THE

PATENT OFFICE

GAZETTE

SEPT & OCT 1946

VOLUMES

590 & 591

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 590

SEPTEMBER

1946

PUBLIC LIBRARY CANTON MS

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1946

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Patents Nos. 2,406,733 to 2,407,213

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 590—No. 1 TUESDAY, SEPTEMBER 3, 1946 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

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Designs	57—No.	145,500 to No.	145,556, inclusive.
Total	897		

Public Law 620—79th Congress

[Chapter 775—2d Session]

[H. R. 4080]

AN ACT

To authorize the Commissioner of Patents to designate Examiners to serve temporarily as Examiners in Chief.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That notwithstanding the provisions of section 476 of the Revised Statutes (U. S. C., title 35, sec. 2), the Commissioner of Patents is authorized to designate Examiners of the Principal Examiner grade or higher, having the requisite ability, to serve as Examiners in Chief and such Examiners so designated shall be fully qualified to act as members of the Board of Appeals constituted by section 482 of the Revised Statutes (U. S. C., title 35, sec. 7): *Provided,* That no such Examiner shall so serve for more than ninety days in any calendar year but thereafter they shall have authority to act and sign decisions and papers necessary to complete action on cases heard during such ninety days: *And provided further,* That not more than one such Examiner shall be among the members of the Board of Appeals hearing an appeal.

Sec. 2. This act shall take effect on the date of approval and shall expire three years after such date.

Approved August 7, 1946.

Order No. 4079

August 16, 1946.

The following units of the United States Patent Office are hereby transferred from Richmond, Va., to Gravelly Point, Washington, D. C., beginning on or about September 30, 1946:

The First Assistant Commissioner's Office;
The Law Examiner's Office;
The Supervisory Examiners' Office;
The Law Library;
The Drafting Division;
The parts of the following divisions still remaining in Richmond:
The Chief Clerk's Office;
The Personnel Office;
The Issue and Gazette Division;
The Docket Clerk's Division;
The Financial Clerk's Division;
The Mail Room;
The Assignment Division;
The Stockroom;
The following Examining Divisions: 1, 2, 4, 5, 8, 9, 11, 12, 13, 14, 17, 18, 19, 20, 22, 28, 29, 30, 32, 33, 34, 35, 36, 39, 40, 44, 45, 46, 47, 49, 52, 53, 57, 58, 61, and 62; and any and all units or parts thereof now remaining in Richmond.

THOMAS F. MURPHY,
Acting Commissioner.

Approved for change of station:

H. A. WALLACE,
Secretary of Commerce.

Notice of Cancellation

U. S. Patent Office, *Richmond, Va., August 1, 1946.*

Napoleon O. Basford, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Hygienic Products Company, 220 Seventh Street, Southeast, Canton, Ohio, to effect the cancellation of trade-mark registration of Napoleon O. Basford, 317 Maiden Lane, Akron, Ohio, No. 259,376, dated July 30, 1929, and the Patent Office having been advised that the said Basford is deceased, notice is hereby given that unless the heirs of Basford, his assigns, legal representatives, or other person claiming an interest in the registration, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adjudicated Patent

(D. C. N. Y.) Grube patent, No. 1,731,415, for gold leaf in roll form, claims 2, 6, and 7 *Held* invalid. *Peerless Roll Leaf Co.* v. *M. Swift & Sons,* 65 F. Supp. 819; 69 USPQ 306.

Condition of Applications Under Examination at Close of Business September 3, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 121,568; Trade-Mark Division, 9,845. Oldest new case, February 12, 1945; oldest amended, February 20, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Apr. 30	June 6	2163
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	May 18	May 28	2650
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	May 16	May 19	1883
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Aug. 2	Aug. 11	2126
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	Apr. 9	3344
6. GENIESSE, E. W., Carbon Chemistry (part)	Sept. 10	Oct. 11	1681
7. JARBOE, C. G., Optics, Photography	Oct. 19	Oct. 2	2047
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 16	July 24	2840
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 16	Apr. 19	1979
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	July 6	June 25	1476
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Dec. 22	Jan. 19	635
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	May 23	June 20	2283
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 13	June 28	1907
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Sept. 18	Sept. 17	1334
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	May 25	July 24	1245
16. LOVEWELL, N. N., Telegraphy; Telephony	Aug. 24	Aug. 18	1179
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 19	Feb. 20	1108
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	May 28	June 29	1664
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 17	Sept. 11	1480
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 6	June 9	1673
21. THOMPSON, T. J., Textiles	Oct. 31	Nov. 28	742
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	June 29	1749
23. LEWIS, J. B., Cash Registers; Calculators (part)	May 28	July 13	256
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Dec. 8	Dec. 15	1088
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	June 29	July 18	1458
26. YOUNG, R. R., Electricity—Generation and Motive Power	May 15	June 1	1840
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	May 3	May 12	1909
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	May 24	Apr. 19	1332
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	June 9	May 31	2017
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	June 4	July 11	2172
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Feb. 2	Jan. 30	926
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Aug. 10	Aug. 29	1781
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	June 6	June 4	2572
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 2	Aug. 11	1146
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	July 18	Aug. 8	1705
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	May 28	June 6	1452
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 2	May 3	1338
38. KRAFFT, O. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	July 9	July 3	1186
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Apr. 24	Apr. 23	2234
40. DRUMMOND, E. J., Receptacles (part); Packages	Aug. 10	Sept. 14	2222
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 24	Apr. 27	841
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Sept. 14	Sept. 21	964
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	June 8	June 6	1247
44. HARVEY, L. P., Refrigeration; Preserving	Apr. 5	May 4	1143
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 5	July 14	2293
46. MUSHAKE, W. J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	July 11	Aug. 9	1294
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Sept. 28	Sept. 4	2393
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Apr. 3	Apr. 3	1852
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 3	Aug. 6	1466
50. LEVIN, SAMUEL, Synthetic Resins	Aug. 30	Aug. 30	2240
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	May 30	May 23	2168
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	May 3	July 2	2860
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 16	May 9	2929
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 18	May 22	2046
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Aug. 10	July 31	1567
56. COOKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	July 3	July 7	1497
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Feb. 12	May 15	2544
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Aug. 20	Nov. 16	1183
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	May 11	May 14	2026
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	July 26	1817
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	June 7	June 5	2306
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 2	Mar. 26	3196
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Apr. 26	May 19	1998
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Jan. 3	Dec. 22	1112
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	May 12	May 10	2327
Trade-Marks: RICHMOND, F. A.	Dec. 14	†Apr. 2	9845
Designs: KALUPY, H. H.	Nov. 14	†May 18	6439

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

FARRINGTON ET AL. *v.* MIKESKA

MIKESKA *v.* FARRINGTON ET AL.

Nos. 5,112 and 5,113. Decided May 7, 1946

[155 F.(2d) 412; 69 USPQ 509]

1. INTERFERENCE — CONCEPTION — REDUCTION TO PRACTICE—EVIDENCE.

The identity of a product as falling within the scope of counts relating to mixed ester salts of phosphoric acid *Held* established by an analysis of the product which showed the phosphorous content to be very close to the "theoretical value," and by the "solubility characteristics of the product."

2. SAME — REDUCTION TO PRACTICE — SUFFICIENCY OF TESTS.

"The tests made of the product obtained showed satisfactory results as a wetting agent in soft water, which is sufficient in view of the fact that the counts are not limited to any particular use of the product and clearly do not require that it be an effective wetting agent in hard water or in acid solutions."

3. SAME — DISCLOSURE — CONSTRUCTIVE REDUCTION TO PRACTICE.

"A disclosure, in order to amount to a constructive reduction to practice, must be sufficient to enable those skilled in the art to practice the invention without the necessity of extensive experimentation."

4. SAME — CONCEPTION — REDUCTION TO PRACTICE — EVIDENCE.

"In the absence of any analysis whatsoever of * * * intermediate compounds, we are unable to hold that their production warrants a holding of conception or reduction to practice of the compounds defined by the counts in issue."

5. SAME—SAME—SAME—SAME.

"Although Farrington, Clayton, and their witness Roland T. Macdonald all testified as to the Hirsch experiment, their testimony was merely based on the contents of a note book allegedly kept by Hirsch. It does not appear that any of those witnesses had any independent recollection of the details of that experiment. The entire case of Farrington et al., therefore, as to the Hirsch experiment, rests on the accuracy of an unverified note book which was not identified by the person who allegedly made the entries therein. Under the circumstances hereinbefore related, it is evident that Farrington et al. have not introduced evidence which would justify a holding of conception or actual reduction to practice of the invention defined by count 2 prior to the filing of their involved application."

6. SAME—OPERATIVENESS—ADMISSION.

"The failure of Mikeska to assert that the disclosure of the Farrington et al. application is inoperative cannot be taken as an admission of more than that the application contains a disclosure of some operative method of producing compounds here in issue. It is not an admission that each example disclosed is operative, nor is it an admission that every experiment falling within the terms of some particular example was necessarily successful."

7. SAME—SAME—SAME.

Where Farrington et al. alleged that certain experiments relied upon to show conception and actual reduction to practice parallel examples disclosed in their application, and contended that "since Mikeska did not attack the disclosure of their application as inoperative, he should be held to have admitted that the processes of the examples given therein will always produce the products which the application discloses as being produced by them," *Held* that "Mikeska's failure to contend that the disclosure of the Farrington et al. application is inoperative cannot supply the lack of affirmative proof as to the results of experiments performed several months before that application was filed."

8. SAME—SAME—SAME.

The failure of a party to attack the operativeness of the disclosure of an opponent's application does not relieve the opponent of the duty of establishing that experiments carried out prior to the filing of his application, and set forth as examples therein and upon which he relies for actual reduction to practice, were successful.

APPEAL from the Patent Office. Affirmed.

Mr. James P. Burns for Farrington et al.

Mr. Wilbur F. Smith (*Mr. W. E. Currie, Mr. P. L. Young* and *Mr. W. F. Weigester* of counsel) for Mikeska.

HATFIELD, *J.*:

These are cross-appeals in an interference proceeding from the decision of the Board of Interference Examiners of the United States Patent Office awarding priority of invention of the subject matter defined by count 1 to appellees Farrington et al. in appeal No. 5113, and that of count 2 to appellee Mikeska in appeal No. 5112.

The interference is between application No. 374,078 of Farrington et al. filed January 11, 1941, which is a division of a parent application No. 241,648, filed November 21, 1938, and Mikeska's patent, No. 2,219,050, issued October 22, 1940, on an application filed December 31, 1938. Farrington et al. are the senior parties by virtue of the filing of their earlier application. Accordingly, the burden was upon Mikeska to establish priority of invention by a preponderance of the evidence.

The counts in issue relate to mixed ester salts of phosphoric acid in which the alkylaryl groups "constitute the ester portion of the molecule." They read:

1. A base metal salt of a phosphoric acid ester containing at least one alkylaryl group and a total of 5 to 16 saturated carbon atoms in the alkyl radicals of said alkylaryl groups.

2. A compound of the general formula

$$(R—Ar—O)_x PO(OM)_y$$

in which R represents at least one alkyl substituent containing an average total of 5 to 16 carbon atoms, Ar represents an aromatic nucelus, M represents a basic metal atom and x and y are whole numbers from 1 to 2, the sum of which is 3.

As stated in the decision of the Board of Interference Examiners, the involved counts are substantially the same as claims 1 and 12 in the Mikeska patent "and differ therefrom only in the upper limit of the number of carbon atoms present in the alkyl substituent; Farrington not having adequate basis for the particular upper limitation of the patent claims" which call for 5 to 20 carbon atoms.

[1] The Board of Interference Examiners accorded Miskeska a date of conception and reduction to practice as of July 1938, on the basis of an experiment performed on his behalf by one George E. Serniuk, a chemist employed by the Standard Oil Development Company, assignee of Mikeska, in

which, Serniuk testified, "an attempt was made to prepare a di-tertiary amyl phenyl phosphate as a mono-sodium salt by esterifying tertiary amyl phenol with phosphorus penta chloride." That the desired product was obtained by Serniuk, was indicated by an analysis which showed the phosphorus content to be very close to what is termed the "theoretical value," that is, the amount which would theoretically be present if the product had the desired composition, and also by the "solubility characteristics of the product." Farrington et al. contend that that analysis is insufficient because the amount of each element was not determined. The Board of Interference Examiners held, however, that the tests employed were sufficient to establish the identity of the product as falling within the scope of both counts. That holding, under all the circumstances and in view of the method by which the product was prepared, is, in our opinion, correct.

Farrington et al. also allege that the product was not sufficiently tested to establish a reduction to practice.

[2] The tests made of the product obtained showed satisfactory results as a wetting agent in soft water, which is sufficient in view of the fact that the counts are not limited to any particular use of the product and clearly do not require that it be an effective wetting agent in hard water or in acid solutions. Mikeska, therefore, is entitled to July 1938, when the witness Serniuk completed his experiment, for reduction to practice of the subject matter defined by the involved counts.

The only experiments relied upon here by Mikeska as establishing dates prior to July 1938 are those performed by the witness Frank E. Toonder in 1937, who at that time was an employee of the Standard Oil Development Company.

The results of the Toonder experiments differed from those of the Serniuk experiment in that the phosphorous content of the products varied to a considerable extent from the "theoretical value" of compounds coming within the counts. Although Mikeska argues that this discrepancy was due to impurities, that argument is merely speculative. The evidence submitted does not satisfactorily establish that any product obtained by the witness Toonder was of the kind called for by either of the counts, and it follows that his work is not sufficient to establish either conception or reduction to practice of the subject matter defined by either of the counts in issue.

Mikeska also relies for conception and constructive reduction to practice on an earlier application which matured into Patent No. 2,213,588.

That patent, however, merely suggests that compounds of the kind here involved may be prepared by certain steps, which are indicated only generally. No specific examples are given, and there is no statement as to the particular conditions under which the reactions are to be carried out. The fact that the witness Serniuk, working under Mikeska, made a number of unsuccessful attempts to prepare the compounds called for by the counts in issue after the application for the Mikeska Patent No. 2,213,588 had been filed, clearly indicates that that patent does not disclose the invention defined by the involved counts. It is asserted by Mikeska that the lack of success was due to impure materials. It is not established, however, that pure materials would have produced the desired product. In his successful experiment, the witness Serniuk employed materials different from those employed by him in the other experiments. Under the circumstances, the disclosure in the Mikeska Patent No. 2,213,588 was properly held to be insufficient to support the counts in the interference.

[3] A disclosure, in order to amount to a constructive reduction to practice, must be sufficient to enable those skilled in the art to practice the invention without the necessity of extensive experimentation. *Thompson* v. *Dicke*, 27 C. C. P. A. (Patents) 931, 110 F.(2d) 98, 44 USPQ 514, 517 O. G. 564.

We are of opinion that the Board of Interference Examiners properly held that Mikeska was entitled to a date not earlier than July 1938 for conception and reduction to practice of the invention defined by the counts in issue.

Owing to the fact that the Board held that the parties Farrington et al. are entitled to conception and reduction to practice of the invention defined by count 1 as early as April 1938, and since Mikeska has alleged no error in that holding, and as that holding of the Board is supported by the evidence of record, the award of priority of invention of the subject matter defined by count 1 to Farrington et al. is affirmed.

[4] Farrington et al. rely on three alleged preparations of sodium or potassium compounds, which, it is alleged, come within the terms of the counts in issue and which were prepared prior to July 1938. In each of those experiments, the compound was merely an intermediate product which was used in making a calcium or aluminum salt which is not called for by count 2. (It may be said at this point that count 2 is limited to a compound of monovalent metal, whereas count 1 is not so limited.) None of those intermediate products was actually analyzed. It is urged by Farrington et al. that, in view of the final product which was obtained, the intermediate compounds must have corresponded to the composition called for by the counts in issue. However, in the absence of any analysis whatsoever of such intermediate compounds, we are unable to hold that their production warrants a holding of conception or reduction to practice of the compounds defined by the counts in issue. Moreover, in two of the three experiments, that is, those carried out by the witnesses Daniel H. Condit and Charles C. Robin, the compounds relied upon were not isolated, but were present in solution only.

The counts in issue do not call for compounds in solution, but for compounds per se.

[5] In the third experiment relied upon by Farrington et al., that allegedly performed by one Julian Hirsch (who was not called as a witness), the intermediate compound, hereinafter referred to, is said to have been separated from solution, although there is no evidence that it was analyzed. Moreover, it was apparently immediately redissolved and used in preparing another composition not here involved. Although Farrington, Clayton, and their witness Roland T. Macdonald all testified as to the Hirsch experiment, their testimony was merely based on the contents of a note book allegedly kept by Hirsch. It does not appear that any of those witnesses had any independent recollection of the details of that experiment. The entire case of Farrington et al., therefore, as to the Hirsch experiment, rests on the accuracy of an unverified note book which was not identified by the person who allegedly made the entries therein. Under the circumstances hereinbefore related, it is evident that Farrington et al. have not introduced evidence which would justify a holding of conception or actual reduction to practice of the invention defined by count 2 prior to the filing of their involved application.

[6][7] Farrington et al. allege that some of the experiments, hereinbefore referred to, parallel examples disclosed in their application, and contend that, since Mikeska did not attack the disclosure of their application as inoperative, he should be held to have admitted that the processes of the examples given therein will always produce the products which the application discloses as being produced by them. It is to be noted, however, that the application, even in the examples, does not give every detail of the necessary procedure to be followed, certain details being left to the judgment of the skilled worker. The failure of Mikeska to assert that the disclosure of the Farrington et al. application is inoperative cannot be taken as an admission of more than that the application contains a disclosure of some operative method of producing the compounds here in issue. It is not an admission that each example disclosed is operative, nor is it an admission that every experiment falling within the terms of some particular example was necessarily successful. Accordingly, Mikeska's failure to contend that the disclosure of the Farrington et al. application is inoperative cannot supply the lack of affirmative proof as to the results of experiments performed several months before the application was filed.

[8] The decisions in the cases of *Schweyer* v. *Thomas*, 21 C. C. P. A. (Patents) 859, 68 F.(2d) 953, 20 USPQ 273, 443 O. G. 298; *Garand* v. *Pedersen*, 22 C. C. P. A. (Patents) 1161, 76 F.(2d) 407, 25 USPQ 247, 460 O. G. 9; and *Hogue* v. *Cowling et al.*, 26 C. C. P. A. (Patents) 874, 101 F.(2d) 541, 40 USPQ 492, 504 O. G. 583, relied upon by Farrington et al., are not in point here. In those cases, parties who had failed to attack an opponent's application during the motion period on the ground that its disclosure was inoperative or that it would not support the counts were not permitted to urge those grounds later against the identical structures disclosed in such application when embodied in actual devices or disclosed in other applications. Those decisions, however, do not hold that the failure of a party to attack the operativeness of the disclosure of an opponent's application relieves the opponent of the duty of establishing that experiments carried out prior to the filing of his application, and set forth as examples therein and upon which he relies for actual reduction to practice, were successful.

In the reasons of appeal assigned by Farrington et al. it is alleged that the calcium compound prepared by the witness Robin and held by the Board to be a reduction to practice of the subject matter of count 1 also satisfies the requirements of count 2.

That contention of counsel does not appear to be urged in his brief and might well be ignored by the court. It is our view, however, that the Board of Interference Examiners correctly held that count 2 calls for a monovalent metal and, therefore, is not satisfied by a compound of a bivalent metal, such as calcium.

It is also alleged that Exhibit 16 of Farrington et al. (which is referred to in the record as a "sheaf of correspondence bearing on the preparation of the Farrington, et al., application") establishes conception as to count 2, and that this conception was coupled, by diligence, with an actual reduction to practice.

It has not been explained by Farrington et al. wherein their Exhibit 16 contains a disclosure of the subject matter of count 2, and we are unable to find that it does contain such a disclosure.

The remaining contentions of counsel for both parties have been considered without finding any error which would justify a modification of the decision of the Board of Interference Examiners as to either of the counts in issue.

For the reasons stated, we are of opinion that the Board was clearly right in awarding priority of invention of the subject matter defined by count 1 to Farrington et al. and that by count 2 to Mikeska.

The decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WESTGATE SEA PRODUCTS COMPANY

No. 5,140. Decided April 1, 1946

[154 F.(2d) 1010; 69 USPQ 438]

1. TRADE-MARKS—REGISTRABILITY UNDER ACT OF 1905—GEOGRAPHICAL NAMES.
   The word "Westgate" applied to canned fish *Held* properly refused registration under the Trade-Mark Act of February 20, 1905, as merely a geographical name.
2. SAME—SAME—SAME.
   "Westgate is a geographical word even though it is the name of inconsequential towns. The provisions of the Trade-Mark Act of February 20, 1905, draw no distinction as to the size of towns, and therefore we do not deem it incumbent upon us to draw a line with respect to the general knowledge or size of cities, towns or villages. We think that if Congress had intended any such distinction to be made it would have so expressed itself."

3. SAME—SAME—SAME.

"There is a decided difference between the word 'Westgate' and the two words 'west' and 'gate,' and we are of opinion that the contention of appellant that joining those two words together gives no different meaning than if used apart is not tenable."

APPEAL from the Patent Office. Affirmed.

O'CONNELL, *J.*, dissenting.

Messrs. Jackson, Webster & Read, Mr. William G. Mackay and *Mr. Chas. R. Allen* for Westgate Sea Products Company.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

The Commissioner of Patents affirmed, 63 USPQ 152, a decision of the Examiner of Trade-Marks rejecting the application of appellant for registration of the trade-mark "Westgate," applied to canned fish, Serial No. 459,971, filed April 17, 1943, in accordance with the Trade-Mark Act of February 20, 1905. From that decision this appeal was taken.

The Examiner in his statement refused registration on the ground that the mark sought to be registered is geographical in that it is the name of "inconsequential" towns in Iowa, Kansas, and England, and because it is a surname not distinctively displayed, being found in the telephone directories of Chicago and New York, and for the further reason that the mark is confusingly similar to a registered mark "Westgate" as applied to flour.

The Commissioner in his decision disapproved the Examiner's holding with respect to the reference. The Commissioner pointed out that the owner of that registration expressly agreed to the registration of the mark of appellant, and also expressed his doubts as to whether flour, to which the registration was applied, and canned fish, to which appellant's trade-mark is applied, are of the same descriptive properties. Otherwise the decision of the Examiner was affirmed.

It appears that appellant had previously registered the mark "Westgate" as applied to canned fish but neglected to renew the registration within the prescribed period.

Appellant in its reasons of appeal alleged that the Commissioner erred in affirming the decision of the Examiner in holding that the mark sought to be registered is merely geographic and merely the name of an individual, and in failing to consider that appellant was the owner of an expired registration as aforesaid.

Appellant contends that his trade-mark is an arbitrary expression and is to be regarded in all respects as such. It does not deny that the word "Westgate" is the name of towns or that it is the name of individuals found in the telephone directories above referred to.

The Examiner of Trade-Marks, with respect to the first rejection, relied on the case of *In re Lamson & Co., Inc., Etc.*, 30 C. C. P. A. (Patents) 1030, 135 F.(2d) 1021, 57 USPQ 555, 553 O. G. 769, wherein we held the name "Elmwood" to be geographical over the contention of the appellant that because that word was composed of the two words "elm" and "wood" it should not be considered as geographical. In that case it appeared, as it does here, that the two words making up the combination of the term sought to be registered lost their individual significance when made into a single word.

[1][2] It seems to us that the reasoning of the Lamson case is controlling on the contention made here, for the reason that "Westgate" is a geographical word even though it is the name of inconsequential towns. The provisions of the Trade-Mark Act of February 20, 1905, draw no distinction as to the size of towns, and therefore we do not deem it incumbent upon us to draw a line with respect to the general knowledge or size of cities, towns or villages. We think that if Congress had intended any such distinction to be made it would have so expressed itself.

[3] There is a decided difference between the word "Westgate" and the two words "west" and "gate," and we are of opinion that the contention of appellant that joining those two words together gives no different meaning than if used apart is not tenable.

For the reasons heretofore stated, it is not necessary to discuss any other ground given for the refusal to register.

The decision of the Commissioner is affirmed.

Affirmed.

O'CONNELL, *J.*, dissents.

U. S. Court of Customs and Patent Appeals

LAND *v.* DREYER

No. 5,073. Decided April 1, 1946. Petition for rehearing denied June 7, 1946

[155 F.(2d) 383; 69 USPQ 602]

1. RULES OF PRACTICE—FORCE.

Held that the Rules of Practice in the United States Patent Office applicable to the case at bar "were established and explicitly promulgated by the Commissioner of Patents for the purpose of facilitating the prompt and orderly disposition of the issues of an interference proceeding"; and that the Rules of Practice "when not inconsistent with the statutes from which they are derived, have the force of law and control the procedure in that Office."

2. INTERFERENCE—MOTION TO DISSOLVE—RULE 122.

Where appellant moved to dissolve under rule 122 on the grounds that appellee's disclosure was inadequate to support the counts and was inoperative, and that motion was dismissed by the Examiner of Interferences as indefinite, *Held* that "appellant might have availed himself of his right to petition the Commissioner of Patents to reverse the ruling of the Examiner of Interferences," or "appellant could have filed an amended motion in proper form and have had it set for hearing before the Primary Examiner."

3. SAME—FINAL HEARING—RULE 130.

"Having failed to take either action to force a dissolution of the interference during the motion period, and not having shown good reason or any reason why such motion was not presented and prosecuted at the proper time, appellant cannot raise the question after the testimony has been completed and have the issue of patentability reviewed at the final hearing before the Board of Interference Examiners."

4. SAME—REBUTTAL TESTIMONY.

"It is not disputed that the senior party in an interference proceeding can introduce evidence to rebut the factual evidence of diligence developed by the junior party relative to the question of his reduction to practice during the critical period."

5. SAME—CONCEPTION.

"The party claiming conception of an invention must show that it was complete and operative and such as would enable a person skilled in the art to reduce the conception to practice without any further research or exercise of the inventive skill. It is not sufficient, therefore, to show that a party claiming an invention has conceived a result to be obtained; the patentable thing is the means provided and disclosed by him to accomplish that result."

6. SAME—SAME.

"Although appellant alleges here that his invention is but a simple mechanical improvement involving merely the direct application of the polarizing sheet material to the non-planar or spherically curved surface of an incandescent lamp, the record fails to disclose that his conception of the invention here in issue included the kind of polarizing material that was necessary to solve the problem with which he was confronted."

7. SAME—EVIDENCE—JUDICIAL NOTICE.

"Appellant asks the court here to take judicial notice of the fact that automobile headlight bulbs are necessarily of clear or transparent glass. That is a critical issue upon which appellant had the burden of proof and upon which this court cannot base a finding of fact without supporting evidence. There is nohe in the record to establish it."

APPEAL from the Patent Office. Affirmed.

Mr. Donald L. Brown (*Mr. Nathaniel R. French* of counsel) for Land.

Mr. Richard K. Stevens (*Mr. Truman S. Safford* and *Messrs. Blair, Curtis & Hayward* of counsel) for Dreyer.

O'CONNELL, *J.*:

The junior party, Land, appeals here from the decision of the Board of Interference Examiners of the United States Patent Office awarding to the senior party, Dreyer, priority of invention for an incandescent lamp having a coating of light polarizing material and a filament light source enclosed within a non-planar envelope.

Dreyer filed his application July 2, 1938; Land on October 4, 1938. Land was granted a patent August 12, 1941. This interference was declared December 30, 1941, between the foregoing patent to Land, No. 2,252,324, and Dreyer's pending application, Serial No. 217, 249.

The invention is designed generally to provide polarized illumination for eliminating the glare from automobile headlights as well as reading or display lamps. The subject matter of the interference is more specifically described in four counts taken from the patent to Land of which count 1 is illustrative—

1. An incandescent lamp comprising, in combination, a filament light source, an envelope therefor a portion at least of which is transparent, at least a portion of said envelope being non-planar, said envelope substantially encompassing said source, a non-planar portion at least of said envelope being coated with a material which polarizes transmitted light, said coating being affixed to and positioned on said envelope to intercept light beams emanating from said source.

Count 2 calls for a structure in which the polarizing material is on the transparent portion of the envelope and counts 3 and 4 call for a structure in which the coating is on the outer surface of the transparent portion of the envelope.

Appellant took testimony and appellee having taken no testimony on the question of priority of invention, is therefore restricted to his filing date for conception and reduction to practice. However, appellee filed a notice under rule 154 (*e*) of the Rules of Practice in the United States Patent Office, the effect of which is hereinafter noted and discussed.

It was incumbent upon appellant, being the junior party, to prove by a preponderance of evidence that he was first to conceive the invention defined by the counts and first to reduce it to actual practice prior to the date upon which appellee filed his application; or that appellant was first to conceive and was actively engaged in reducing his invention to practice at and immediately prior to the time appellee filed his application and entered the field, and that appellant continued such activity to the time of his own filing date.

In his appeal here, to quote from appellant's brief, "Land made forty-one specific assignments of error * * *. The ultimate error to which he objects is the award of priority to Dreyer and in connection therewith the failure of the Board to accept as sufficient Land's proofs of conception and reduction to practice."

Two of the alleged errors which appellant assigns here are that the Board erred in holding that Land had failed to comply with the requirements of rule 130 entitling him to raise at final hearing and in refusing then to consider the question of Dreyer's right to make the counts; and that the Board erred in holding Land's rebuttal testimony was not proper rebuttal and for that reason in granting Dreyer's motion to strike it out.

Inasmuch as the proceedings and events herein disclosed may have a direct bearing on the final issue involved, they are necessarily here set forth so far as pertinent.

The first of the two issues presented resolves itself into the question of whether the action of the Examiner of Interferences in dismissing appellant's motion to dissolve as indefinite is subject to review and disposal at the final hearing before the Board of Interference Examiners; and the second is whether appellant, the junior party, may take rebuttal testimony as to his own diligence when the testimony of appellee, the senior party, is restricted to a rebuttal of the evidence submitted as to such diligence on the part of the junior party.

On August 13, 1942, appellant moved to dissolve the interference on the specific grounds that appellee's disclosure not only is inadequate to support the counts in issue but also that such disclosure is inoperative.

On August 24, 1942, the Examiner of Interferences dismissed appellant's motion to dissolve on the ground that the motion papers did not clearly

and unequivocally point out which elements of the counts are not supported by Dreyer's disclosure and wherein it is apparent from Dreyer's disclosure that it is inoperative.

Appellant promptly moved for reconsideration of the decision dismissing his motion to dissolve as indefinite, whereupon the Examiner of Interferences on September 15, 1942, rendered a further decision explaining his ruling and adhering to his original conclusion.

Thereafter during the motion period no action was taken by appellant on the decision of the Examiner of Interferences either by motion or petition to the Commissioner of Patents. At the final hearing, however, appellant renewed his motion to dissolve on the ground that appellee had no right to make the counts.

In support of his position before the Board, appellant urged that the original decisions of the Examiner of Interferences dismissing his motions to dissolve were both erroneous. Appellant also urged that the "requirement of rule 130 is clearly predicated upon the doctrine of notice, and is designed to protect a party from being surprised at final hearing by an attack upon his right to make a count, * * * and "that the question of Dreyer's right to make the counts was fairly extensively developed in the various additional papers which have been filed in connection with Land's motion."

Without commenting on but without questioning the accuracy of the holding of the Board of Interference Examiners that "the additional papers which were filed after the close of the motion period do not serve to correct the defects" in appellant's original motion to dissolve, it is clearly apparent that appellant has here misconceived not only the requirements but also the significance of the Rules of Practice applicable to the case at bar.

[1] These rules were established and explicitly promulgated by the Commissioner of Patents for the purpose of facilitating the prompt and orderly disposition of the issues of an interference proceeding. Furthermore, the Rules of Practice in the Patent Office, when not inconsistent with the statutes from which they are derived, have the force of law and control the procedure in that office. *In re Terres et al.*, 32 C. C. P. A. (Patents) 965, 150 F.(2d) 711, 65 USPQ 245, 576 O. G. 341; *Broadwell* v. *Long*, 36 App. D. C. 418, 164 O. G. 252.

The validity of such rules is not here questioned. So far as pertinent, they read—

> 122. Motions to dissolve an interference * * * denying the patentability of an applicant's claim, or * * * denying his right to make the claim, * * * should contain a full statement of the grounds relied upon and should, if possible, be made within the time fixed by the Examiner of Interferences, not less than thirty days, after the statements of the parties have been received and approved. Such motions and all motions of a similar character, if in the opinion of the Examiner of Interferences they be in proper form, will be heard and determined by the Primary Examiner. * * *. If in the opinion of the Examiner of Interferences the motion be not in proper form, or if it be not brought within the time specified and no satisfactory reason be given for the delay, it will not be considered and the parties will be so notified.
>
> 130. Where the patentability of a claim to an opponent is material to the right of a party to a patent, said party may urge the nonpatentability of the claim to his opponent as a basis for the decision upon priority of invention. A party shall not be entitled to raise this question, however, unless he has duly presented and prosecuted a motion under rule 122 for dissolution upon this ground or shows good reason why such a motion was not presented and prosecuted. * * *

[2] It will be noted that appellant accepted the dismissal of his motion by the Examiner of Interferences and proceeded to take testimony without first presenting the point raised by his motion and then prosecuting that question to a final determination before the proper tribunal.

At that time appellant might have availed himself of his right to petition the Commissioner of Patents to reverse the ruling of the Examiner of Interferences as disclosed in the procedure of the case cited by the Examiner of Interferences on appellant's original motions to dissolve. See *Burleigh* v. *Elliot*, 197 O. G. 240, 1913 C. D. 244. Furthermore, appellant could have filed an amended motion in proper form and have had it set for hearing before the Primary Examiner.

[3] Having failed to take either action to force a dissolution of the interference during the motion period, and not having shown good reason or any reason why such motion was not presented and prosecuted at the proper time, appellant cannot raise the question after the testimony has been completed and have the issue of patentability reviewed at the final hearing before the Board of Interference Examiners. See *Broadwell* v. *Long*, supra.

On December 1, 1942, the period for taking testimony in chief by appellant expired.

Thereafter, on January 9, appellee gave notice in accordance with the provisions of rule 154 (*e*) that he would rely at the final hearing on twenty-nine patents and applications filed by appellant, to show that appellant's "activity on the invention at issue was dilatory and thereby to rebut any claim to diligence which the party Land may attempt to base upon his proofs." The Examiner of Interferences held that cognizance of the twenty-nine items set forth in appellee's notice might be taken at final hearing, and fixed the date for rebuttal testimony of Land to close on January 28 and for final hearing for April 13.

On January 23, 1943, appellee moved to quash appellant's notice of taking rebuttal testimony and to exclude such testimony on the ground that appellant had no right to take rebuttal testimony, which motion was dismissed without prejudice to its renewal at the final hearing "if circumstances then so warrant."

[4] It is not disputed that the senior party in an interference proceeding can introduce evidence to rebut the factual evidence of diligence developed by the junior party relative to the question of his reduction to practice during the critical period. Before that question can have any bearing upon the final issue, however, the junior party must establish that he conceived the invention defined in the counts of the interference.

Appellee does not question in his brief that as early as 1929 the junior party, Land, had the idea that it would be desirable to apply a polarizing material directly onto an incandescent lamp and that that idea remained in or recurred to his mind off and on during the next ten years; nor does he question that the lamp appellant had in mind had a filament light source encompassed within a non-planar envelope or that he visualized a coating of a polarizer on the non-planar surface.

[5] The party claiming conception of an invention must show that it was complete and operative and such as would enable a person skilled in the art to reduce the conception to practice without any further research or exercise of the inventive skill. It is not sufficient, therefore, to show that a party claiming an invention has conceived a result to be obtained; the patentable thing is the means provided and disclosed by him to accomplish that result. See *Townsend* v. *Smith*, 17 C. C. P. A. (Patents) 647, 36 F.(2d) 292, 4 USPQ 269, 391 O. G. 753; *Rowe* v. *Holtz*, 19 C. C. P. A. (Patents) 970, 55 F.(2d) 468, 12 USPQ 234, 419 O. G. 295, and authorities therein cited; *Curtis et al.* v. *Land*, 29 C. C. P. A. (Patents) 1118, 129 F.(2d) 549, 54 USPQ 212, 543 O. G. 656.

It is noted that the invention defined in the counts in issue calls for the use of a material which polarizes light by the transmission thereof, or of a light polarizing material. Counts 1, 2, and 3 require that at least a portion of the envelope be transparent and count 4 requires that the entire envelope be transparent. The limitation in the respective counts 2, 3, and 4 provides that the transparent portion be coated with the light-polarizing material.

[6] Although appellant alleges here that his invention is but a simple mechanical improvement involving merely the direct application of the polarizing sheet material to the non-planar or spherically curved surface of an incandescent lamp, the record fails to disclose that his conception of the invention here in issue included the kind of polarizing material that was necessary to solve the problem with which he was confronted.

We have given careful consideration to all of the evidence presented by appellant and are of opinion that he has failed to establish conception of the invention defined by the counts in issue prior to the filing date of appellee. Accordingly, appellant's diligence is not an issue to be considered in the case, and the question of the striking out by the Board of Interference Examiners of the rebuttal evidence introduced by appellant to establish diligence is not of importance in deciding the issue of priority here presented.

In reviewing the testimony submitted by appellant it is noted that importance is placed upon the oral but unconvincing testimony of witnesses who relied upon their memories as to critical tests which were conducted by them in years gone by. Appellant by the contention here of his own counsel is an expert in his particular art and has been engaged for many years with a staff of expert associates in the production of inventive polarization. There are more than twenty patented applications in the record of this case which alone evince his knowledge and success in the art, but he produced no records that were helpful in the way of documentary evidence. See *MacGregor* v. *Johnston*, 21 C. C. P. A. (Patents) 1216, 71 F.(2d) 165, 22 USPQ 42, 448 O. G. 508.

[7] Appellant asks the court here to take judicial notice of the fact that automobile headlight bulbs are necessarily of clear or transparent glass. That is a critical issue upon which appellant had the burden of proof and upon which this court cannot base a finding of fact without supporting evidence. There is none in the record to establish it.

The Board of Interference Examiners concluded after consideration of all of appellant's evidence that he had failed to prove conception or reduction to practice prior to appellee's filing date and therefore the appellee, Dreyer, was entitled to the award of priority.

In reaching that conclusion the Board carefully reviewed and analyzed in detail the testimony of the respective witnesses and the exhibits submitted. The same procedure has been carefully followed here with the result that this court is convinced of the correctness of the conclusion reached by the Board of Interference Examiners and therefore affirms it without further and unnecessary discussion of the numerous subordinate aspects of the case presented by appellant.

Subsequent to the filing of the record in this court appellee filed a motion suggesting a diminution of the record by the addition thereto of certain parts of the record filed in the Patent Office. The motion was granted subject to an order of the court that the costs of printing the additional matter requested by appellee should be taxed on final decision. We are of opinion that the additional matter so certified to the court was reasonably necessary to a proper decision of the issues in this case in connection with the subject matter relating to appellant's alleged inoperativeness of appellee's disclosure.

In view of our conclusion in the case at bar, it is not necessary to pass upon the subject matter relating to appellee's "rebuttal evidence." As to that matter, however, the additional parts of the record so certified to the court might have become necessary to a proper decision of issues in this case. Under the facts thus presented, the costs of printing the additional matter requested by appellee will be taxed against appellant.

For the reasons stated, appellee is entitled to the award of priority in this case and the decision of the Board of Interference Examiners is accordingly affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

LUCKY HEART LABORATORIES, INC.
v.
MORTON G. NEUMANN

*No. 5,116. Decided May 3, 1946.**
[154 F.(2d) 519; 69 USPQ 393]

1. TRADE-MARKS—OPPOSITION—RES JUDICATA.
Where the opposed mark of appellant was different from its mark involved in a prior cancellation proceeding *Held* that the doctrine of res judicata was inapplicable.

2. SAME—SAME—RIGHT TO OPPOSE.
Held that under the law opposer "is entitled to rely not only upon his registered trade-marks but also upon trade names and designs which are analogous to a trade-mark use."

3. SAME—CONFUSING SIMILARITY.
"In the case at bar the contested marks, 'Lucky Heart' with a heart shaped design and 'Lucky Sweathearts' with a heart shaped design, so nearly resemble each other in sound, meaning, and appearance as to be likely in our opinion to cause confusion in the mind of the public when concurrently used by the parties on merchandise of the same descriptive properties."

APPEAL from the Patent Office. Affirmed.

Mr. A. Yates Dowell (*Mr. Edward Taylor Newton* of counsel) for Lucky Heart Laboratories, Inc.

Mr. A. W. Murray for Morton G. Neumann.

O'CONNELL, *J.*:

This is an appeal from the decision of the Commissioner of Patents, rendered by the First Assistant, 62 USPQ 317, affirming the action of the Examiner of Trade-Mark Interferences in sustaining the opposition of appellee to the application of appellant, Serial No. 434,989, filed August 14, 1940, for registration of a composite mark, which consists of a heart-shape design, color lined for red, across which is written in large script the words "Lucky Heart," as a trade-mark for cosmetics, including such articles as rouge, perfume, creams, and talcum powder, and for chemicals, medicines, and pharmaceutical preparations. The applicant alleges continuous use of the mark "since about October 20, 1934."

In his notice of opposition appellee relies upon his prior use and ownership of the registration of—

(a) a trade-mark consisting of a heart-shape design for a chamois sachet bag, on which is also a design of a heart and man and woman kissing each other, used on sachet powder; and
(b) a trade-mark consisting of a heart design, a picture of man and woman kissing each other, and the words "Lucky Mo-Jo", used on perfume; and
(c) a trade-mark consisting of a heart design, a picture of man and woman kissing each other, and the words "Lucky Sweethearts," used on sachet powder; * * *
* * * * * * * *

4. In addition to opposer's continuous and extensive use of his said trade-marks, on labels affixed to cosmetics and medicinal preparations made and sold by opposer, the opposer has also extensively used his said trade-marks in advertising and offering for sale of opposer's said goods.

The opposition is based upon that portion of the proviso to section 5 of the Trade-Mark Act of February 20, 1905, which states "That trade-marks which * * * so nearly resemble a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be registered." 15 U. S. C. sec. 85(*b*).

The involved merchandise in part is identical and it is not disputed that all the goods are of the same descriptive properties.

The case at bar is but one of two appeals brought to this court by appellant as a result of the decision adverse to it in each of the two opposition proceedings litigated between the parties in the tribunals of the Patent Office. Appellant having withdrawn the companion appeal, Patent Appeal Docket, No. 5,117, the appeal as to that case was accordingly dismissed by this court on July 2, 1945.

[1] A further factor in the determination of the case at bar, however, is a previously litigated cancellation proceeding in which each party sought to cancel the other's registered trade-mark. *Lucky Heart Laboratories, Inc.*, v. *Neumann*, 53 USPQ 175, 537 O. G. 723. The record in that case has been made a part of the record in the case here and contains a large portion of the testimony relied upon by each of the parties. Appellant contends that the decision in the cancellation proceedings hereinbefore noted is res judicata of the issue presented herein. Since the mark of appellant in the former case is different from the one it has here submitted for consideration, its contention is obviously without merit. *Prince Matchabelli, Inc.*, v. *De Botelho*, 31 C. C. P. A. (Patents) 748, 139 F.(2d) 519, 60 USPQ 190, 560 O. G. 4.

Both of the parties are engaged in the mail order business and it is established by the evidence that appellee began in 1930 the use of his trade-mark embodying the notation "Lucky Sweethearts" and a heart design; that other trade-marks employed by him, prior to any use of appellant's mark, embody the notation "Lucky Mo-Jo" and "Good Luck Sachet" each with a heart design; that labels, catalogs, circulars, and advertising literature printed in various colors with the notation "Lucky Sweethearts" together with a heart-shaped design were extensively used by appellee in association with its merchandise and the sale thereof; and that a heart-shaped chamois bag depicting on its face a heart as well as a man and a woman kissing each other was utilized by appellee as a container for sachet powder.

[2] The evidence establishes that the continuous use of appellee's trade-marks and the advertising material associated therewith, as hereinbefore noted, was inaugurated prior to appellant's entry into the field with its mark. It is true as pointed out by the First Assistant Commissioner of Patents that "Opposer relies upon his use * * * of several marks and labels in which the heart motif predominates." Under the law appellee is entitled to rely not only upon his registered trade-marks but also upon trade-names and designs which are analogous to a trade-mark use. *Central Iron & Steel Company* v. *Republic Steel Corporation*, 26 C. C. P. A. (Patents) 1091, 102 F.(2d) 899, 41 USPQ 276, 507 O. G. 231.

[3] This court has held repeatedly that the primary purpose of that portion of the trade-mark law with which we are here concerned is to protect the public. See *In re Laskin Brothers, Inc.*, 32 C. C. P. A. (Patents) 820, 146 F.(2d) 308, 64 USPQ 225, 572 O. G. 353; *Schering & Glatz, Inc.*, v. *Sharp & Dohme, Inc.*, 32 C. C. P. A. 827, 146 F.(2d) 1019, 64 USPQ 394, 572 O. G. 542. In the case at bar the contested marks, "Lucky Heart" with a heart shaped design and "Lucky Sweethearts" with a heart shaped design, so nearly resemble each other in sound, meaning, and appearance as to be likely in our opinion to cause confusion in the mind of the public when concurrently used by the parties on merchandise of the same descriptive properties.

Appellant, basing his argument on one of the reasons of appeal, urges that appellee is not entitled to the decision appealed from by reason of unclean hands. We have examined the record with care and find no merit in this contention.

For the reasons hereinbefore stated, the decision of the Commissioner of Patents is affirmed.

Affirmed.

* This appeal was originally decided by this court on March 6, 1946. Thereafter, counsel for appellant filed a petition for rehearing. The rehearing was granted May 3, 1946, solely for the purpose of permitting the court to revise certain language in its original decision.

U. S. Court of Customs and Patent Appeals

IN RE SAUNDERS ET AL.

No. 5,141. Decided April 1, 1946
[154 F.(2d) 693; 69 USPQ 341]

1. CLAIMS—LIMITATION.
Upon consideration of appellant's contention that the rejected claims to a method of administering their hormone pellet "definitely include by implication the step of dispersing the hormone in a desiccated condition in the solid waxy medium before implanting the resulting pellet under the skin or in the flesh," *Held* that since appellants failed to point out and distinctly claim "the additional necessary step" as part of their invention, "appellants cannot successfully contend upon the facts presented here that they have defined a critical limitation in the rejected claims by implication."

2. APPEAL—REASONS OF APPEAL.
Where a point raised by appellants was not considered by the Examiner or the Board of Appeals, and their failure was not set forth as error in any of the reasons of appeal enumerated by appellants, *Held* that there was nothing involving the merit of the point presented for review.

3. PATENTABILITY—PROCESS.
"In passing upon the patentability of method or process claims, this court has held repeatedly that where an old method or process is used by an applicant in the administration of a new and analogous material, and the improved result is due solely to the quality of the material used, no inventive method or patentable process is involved in what the applicant has done."

4. SAME—METHOD OF ADMINISTERING HORMONES.
Certain claims to a method of administering gonadotropic pituitary hormones *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Davis, Lindsey, Smith and Shonts (*Mr. Glen E. Smith* of counsel) for Saunders et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Primary Examiner of claims 7 to 12 inclusive in appellants' application for a patent for a method of and pellet for administering gonadotropic pituitary hormones. The claims, which relate to the method of administering the hormones, were rejected not only as lacking invention over the prior art but also "as being for an unpatentable method in view of the Brinkerhoff decision cited by the Examiner." Claims 1 to 6, drawn to the pellet, were allowed by the Examiner.

Claims 7 and 11 are illustrative of the appealed claims:

7. A method of administering the gonadrotropic fraction of the hormones of the anterior pituitary gland which consists in the subcutaneous implantation of said hormone in a desiccated condition as a dispersion of said desiccated hormone in a solid waxy medium.

11. A method of administering the gonadotropic fraction of the hormones of the anterior pituitary gland which consists in the subcutaneous implantation of said hormone in a desiccated condition in a synthetic hydrocarbon wax having substantially the composition of 85½ per cent by weight of carbon and 14½ per cent by weight of hydrogen.

The reference is, Vest et al. — Journal of the American Medical Association, November 18, 1939, pages 1869 to 1872.

Omitting numerical citations to the record, appellants explain in their brief:

Briefly stated, the invention under consideration on this appeal relates to a method of administering the gonadotropic fractions of the hormones of the anterior pituitary gland, more particularly to a method which causes a very slow constant absorption of the active hormone material by the tissues, and to a pellet for use in this method of administration comprising a solid, relatively non-absorbable preparation of these fractions, suitable for subcutaneous implantation. This pellet which consists of a dispersion of the desiccated hormone substance in a waxy medium is defined with varying degrees of particularity in the allowed claims. The claims involved in this appeal are directed to the method of administering the hormone substance by implanting under the skin the pellet consisting of a dispersion of the desiccated hormone substance in a waxy medium.

It is noted that appellants have defined but a single step as the feature of the rejected claims in which the question of patentability resides, and that feature or step "consists in the subcutaneous implantation of said hormone." It was the only feature of these claims which was submitted for decision to the Examiner and the Board of Appeals on the question of patentability, and both concurred in holding that since the method of administering appellants' hormone pellet is exactly the same as the method of administering that of the cited reference, no invention on the part of the appellants was involved in their method of administration of the material and they were not entitled to the allowance of the appealed claims.

[1][2] Appellants argue here that "The method claims," which were rejected as hereinbefore noted, "definitely include by implication the step of *dispersing the hormone in a desiccated condition in the solid waxy medium* before implanting the resulting pellet under the skin or in the flesh," and that the Examiner and apparently the Board of Appeals rendered their respective decisions "without giving consideration to the necessary additional step of dispersing the particular hormone, with which appli-

cants are dealing, in a waxy medium." [Italics not ours.]

It is elementary that an applicant for a patent is required to "particularly point out and distinctly claim the part, improvement, or combination which he claims as his invention or discovery." See section 4888 R. S. (U. S. C., title 35, sec. 33). Having failed to point out and distinctly claim "the additional necessary step" hereinbefore noted as part of their invention, appellants cannot successfully contend upon the facts presented here that they have defined a critical limitation in the rejected claims by implication. See *In re Crowell*, 23 C. C. P. A. (Patents) 1246, 84 F.(2d) 206, 30 USPQ 28, 472 O. G. 737; *In re Wait*, 23 C. C. P. A. (Patents) 1172, 83 F.(2d) 696, 29 USPQ 527, 471 O. G. 709, and authorities therein cited. Neither the Primary Examiner nor the Board of Appeals considered that point and their failure so to do is not set forth as error in any of the reasons of appeal enumerated by appellants. Accordingly, there is nothing involving the merit of the point presented here for review.

[3] Appellants further urge that the Board erred in holding, "In so far as the process is concerned it is deemed to be immaterial what composition is used except that it must be in the form of a solid pellet." In passing upon the patentability of method or process claims, this court has held repeatedly that where an old method or process is used by an applicant in the administration of a new and analogous material, and the improved result is due solely to the quality of the material used, no inventive method or patentable process is involved in what the applicant has done. *In re Williams*, 24 C. C. P. A. 861, 87 F.(2d) 499, 32 USPQ 311, 481 O. G. 216; *In re Dreyfus*, 20 C. C. P. A. 1204, 65 F.(2d) 472, 18 USPQ 263, 437 O. G. 7; *In re Elmyr A. Laughlin*, 18 C. C. P. A. 1239, 48 F.(2d) 921, 9 USPQ 126, 411 O. G. 9; *In re Truslow*, 26 C. C. P. A. 1292, 104 F.(2d) 203, 41 USPQ 737, 508 O. G. 297; *In re Williams*, 24 C. C. P. A. 1175, 89 F.(2d) 674, 33 USPQ 377; *In re Haller and Kappeler*, 24 C. C. P. A. 887, 87 F.(2d) 520, 32 USPQ 306, 481 O. G. 6.

It is interesting to note that while appellants emphasize in their argument here that they have provided a new method by which a particular hormone may be administered, they point out in their specification, "Further, the value of this invention is not dependent upon the purity of the gonadotropic pituitary hormone employed, since it may be equally well applied to comparatively crude or to highly refined hormone preparations. * * * It will be understood that this invention is not limited in scope by the examples quoted herein, but is to be construed as including such equivalents as may be obvious to one skilled in the art within the scope of the appended claims."

[4] Upon the basis of the facts disclosed by the record, we agree with the following summarization quoted from the Solicitor's brief:

> In the present case, the appellants have secured the allowance of claims to a hormone pellet which, so far as appears, has no utility except when implanted subcutaneously; and the art shows such implantation of similar pellets to be old. Obviously, this invention was complete when the pellet was made and, given such a pellet, it could not require invention to implant it in the old manner. Any improved result is due solely to the pellet itself and not to any improved method of use. * * *
>
> It is submitted that the appellants have made a single invention only, and that this is adequately protected by the allowed claims. * * *

In view of our conclusion it is unnecessary to discuss in this opinion and pass upon the further question of the rejection of the appealed claims on the ground that methods of treating the human body are not patentable.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE JONES ET AL.

No. 5,154. Decided April 1, 1946

[154 F.(2d) 688; 69 USPQ 343]

1. APPEAL—EVIDENCE CONSIDERED.
   Where a letter and an affidavit were not presented by appellants "until after the first decision of the Board of Appeals," and were not considered by the Examiner, *Held* that they were "not properly before the court and may not be here considered."
2. CLAIMS—LIMITATION—REFERENCE.
   Where the appealed claims merely stated that the fluidity of the defined composition was such that it might be applied to paper in the conventional way, and thus were not limited to any particular use, *Held* that the fact that the reference patentee did not state that his composition might be used on paper was immaterial.
3. PATENTABILITY—ANALOGOUS ARTS.
   "In considering a reference alleged not to be in the art involved, the question always is whether such reference suggests doing the thing that the applicant has done."
4. SAME—NEW USE OF OLD COMPOSITION.
   Where a composition had been used for collar stiffening, *Held* that appellants' discovery that it could be used as a protective coating for paper did not entitle them to allowance of claims to the composition.
5. SAME—INVENTION.
   Invention *Held* not to reside in the substitution of one known plasticizer for an equivalent plasticizer.

APPEAL from the Patent Office. Affirmed.

Mr. Keith Misegades for Jones et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner who finally rejected, as lacking invention over the prior art, all of the claims in appellants' application for a patent for thermoplastic coating compositions and articles produced therewith.

The claims on appeal sufficiently describe the alleged invention. They read:

> 14. A composition of matter substantially free of ingredients volatile at ordinary room temperatures, which is solid, flexible, mar-proof, non-tacky, transparent and moisture-proof in thin films at room temperatures, comprising from 25 to 50 parts by weight of a mixed ester of cellulose and saturated aliphatic acids having from 2 to 4 carbon atoms, from 20 to 45 parts by weight of a plasticizer compatible therewith and substantially non-volatile at 190° C., said plasticizer being present in substantially greater proportion than half the cellulose ester, and from 10 to 40 parts by weight of a resin compatible with the ingredients and heat-stable at temperatures up to 200° C., the composition being characterized by sufficient fluidity, at temperatures of from 160 to 190° C., to be applicable to paper from conventional roll-coater and intaglio coating machines, and being further characterized by its resistance to thermal decomposition at such temperatures.
>
> 15. The composition of claim 14 in which the mixed ester is cellulose aceto-propionate.
>
> 16. The composition of claim 14, in which the plasticizer is tricresyl phosphate.

Numerous functional limitations, such as flexible, transparent, and mar-proof, are recited in the appealed claims which it is alleged make the disclosed material desirable. However, the composition for which appellants seek protection, as stated in their brief, is quite narrowly defined, being made up of a cellulose mixed ester of the cellulose acetopropionate type, a non-volatile plasticizer, and a compatible heat stable resin. The proportions of the ingredients of this composition are enumerated as 25 to 50 mixed esters of cellulose and a saturated aliphatic acid having 2 to 4 carbon atoms, 20 to 45 compatible plasticizer, non-volatile at 190° C. (present in substantially greater proportion than half the amount of the cellulose ester), and 10 to 40 compatible resin, heat stable at 200° C. The properties which make it desirable in application are specified as fluid for application at 160 to 190° C. resistant to thermal decomposition.

Claim 14 defines the characteristics of the composition, claim 15 is specific to the mixed ester, and claim 16 to the plasticizer. The last two claims are dependent on the first. Claims 14 and 15 were rejected as lacking invention over the principal reference, the patent to Klinger, No. 2,170,416, of August 22, 1939 and claim 16 was rejected as lacking invention over Klinger in view of the publication "Hercose C," page 6, 1936, issued by the Cellulose Products Department, Hercules Powder Company, Incorporated, Wilmington, Del.

The patent to Klinger discloses a thermoplastic composition for collar stiffening which comprises a mixed ester of cellulose, a plasticizer, and/or a resin. A cellulose mixed ester of the cellulose acetopropionate type is specified as suitable to accomplish the desired result as well as a cellulose acetobutyrate, a cellulose acetostearate, and a cellulose acetopalmitate. Of these enumerated cellulose esters, the first two are likewise listed by appellants as suitable for their purpose.

Among the suitable plasticizers listed, Klinger mentions metylphthalylethyl glycollate and butylphthalylbutyl glycollate and among the suitable resins listed are the toluenesulfonamideformaldehyde condensation type resins, the phenolformaldehyde type resins, and the vinyl resins. These plasticizers and resins are likewise described by appellants as being suitable for their defined compositions.

Klinger further discloses—

> The exact amount of plasticizer included in the thermoplastic composition, will depend on the melting point of the cellulose ester used and on the characteristics of the resin, if such is included, and will usually be included in amounts within the range of about 5 parts to about 50 parts by weight per 100 parts of the cellulose ester by weight. The exact amount of resin included will, likewise, depend on the melting point of the cellulose ester used and on the characteristics of the plasticizer, if such is included, and will usually be included in amounts within the range of about 5 parts to about 70 parts by weight per 100 parts of the cellulose ester by weight.

"Reducing this to a basis of 50 parts, to correspond to the claim," as correctly stated in the brief of the Solicitor, "Klinger may use 2½ to 25 parts of plasticizer and 2½ to 35 parts of resin to 50 parts of ester. A considerable portion of this range (20 to 25 parts of plasticizer and 10 to 35 parts of resin) will satisfy the requirements of claim 14 when the upper limit, 50 parts, of ester is used. Clearly, therefore, Klinger, discloses proportions satisfying the numerical values given by claim 14." Furthermore, while appellants state in claim 14 that the plasticizer is "present in substantially greater proportion than half the cellulose ester," they fail to disclose that a proportion greater than half the cellulose ester is of critical importance.

[1] Appellants argue that the Klinger composition includes substances which render it inoperative for appellants' purpose. This contention is based primarily upon a letter and an affidavit neither of which was considered by the Examiner for the reason that the documents were not presented by appellants until after the first decision of the Board of Appeals. Under such circumstances this evidence is not properly before the court and may not be here considered. *In re Replogle*, 27 C. C. P. A. (Patents) 704, 107 F.(2d) 592, 43 USPQ 402, 510 O. G. 775; *In re Spengler et al.*, 32 C. C. P. A. (Patents) 855, 147 F.(2d) 1013, 64 USPQ 560, 575 O. G. 203.

Upon the facts presented, the position of both the Primary Examiner and the Board of Appeals was that inasmuch as appellants have merely selected certain substances in the Klinger composition and had purposes in mind other than the treatment of cloth, this selection would not amount to invention. That was "regarded as a matter within the expected skill of one trained in the art."

[2] Moreover, as correctly stated by the Solicitor, "the claims do not actually state that the material is to be used for coating paper, but merely that its fluidity is such that it might be applied to paper in the conventional way. Since the claims are not limited to any particular use, the fact that Klinger does not state that his composition may be used on paper is immaterial."

[3] Appellants' contention that the principal reference, Klinger, cannot be considered here because it discloses a composition drawn from a non-analogous art is without merit. In considering a reference alleged not to be in the art involved, the question always is whether such reference suggests doing the thing that the applicant has done. *In re Stover*, 32 C. C. P. A. (Patents) 823, 146 F.(2d) 299, 64 USPQ 186, 573 O. G. 367. The difference disclosed between appellants' composition and that of Klinger is of degree only and not of kind and what appellants have done is clearly suggested by the cited reference.

[4] Appellants' further contention that they are entitled to a patent for a new use of an old composition, or of selected proportions thereof, is also without merit. The mere fact that appellants have discovered a composition which is comprised of certain

proportions of mixed ester of cellulose, plasticizer and resin as a protective coating for paper properties, does not, in view of the fact that the composition is old and is suggested by the art of record, entitle them to the allowance of the appealed claims. See *In re Thuau*, 30 C. C. P. A. (Patents) 979, 135 F.(2d) 344, 57 USPQ 324; 554 O. G. 14; *In re James*, 23 C. C. P. A. (Patents) 1124, 83 F.(2d) 313, 29 USPQ 431, 471 O. G. 251; *In re Heap*, 22 C. C. P. A. (Patents) 950, 74 F.(2d) 948, 24 USPQ 300, 456 O. G. 265.

[5] Claims 14 and 15 were properly rejected by the tribunals of the Patent Office on the ground that they were anticipated by Klinger, and claim 16 was likewise properly rejected since it is limited to tricresyl phosphate which Klinger does not disclose but which is old as a plasticizer as disclosed by the publication "Hercose C." In other words, claim 16 merely substitutes one known plasticizer for an equivalent plasticizer which the record shows was also disclosed by Klinger.

For the reasons stated, the decision of the Board of Appeals affirming the action of the Examiner in rejecting the appealed claims as lacking invention over the disclosure of the prior art is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,801,193, J. M. Darst, Bag closure; 2,107,216, H. L. Rogers, Receptacle and closure therefor, filed June 27, 1946, D. C., S. D. N. Y., Doc. 36/583, *Remco Mfg. Co.* v. *Rogers Imports, Inc.*

1,817,856, J. Teller, Cabinet gas stove and range; 1,981,972, 1,836,781, 1,836,782, same, Stove structure; 1,840,751, Teller & Schulz, Gas stove and range; 1,980,769, same, Range construction; 2,044,516, 1,935,567, H. H. Heidbreder, Range, D. C., S. D. Calif. (Los Angeles), Doc. 5279 W, *Jacob Teller et al.* v. *Athens Stove Co.* Dismissed by plaintiffs Apr. 18, 1946.

1,830,751, W. V. Cornett, Pavement wrecking machine; 1,891,221, 1,830,752, same, Pavement breaking machine; 1,891,222, same, Tool for demolition machines, filed June 7, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5451, *Rapid Pavement Breaker Corp.* v. *W. D. Crook et al.*

1,830,752. (See 1,830,751.) 1,836,781. (See 1,817,856.)

1,836,782. (See 1,817,856.) 1,840,751. (See 1,817,856.)

1,879,003, G. A. Alles, Salts of 1-phenyl-2-amino-propane, D. C. Mass., Doc. 4212, *Smith, Kline & French Laboratories* v. *D. M. Grossman.* Consent judgment for plaintiff for injunction Sept. 14, 1945.

1,891,221. (See 1,830,751.) 1,891,222. (See 1,830,751.)

1,835,567. (See 1,817,856.) 1,980,769. (See 1,817,856.)

1,981,972. (See 1,817,856.) 2,044,516. (See 1,817,856.)

2,064,322, L. W. Ruppert, Method of surface finishing articles; 2,361,039, A. L. Langel, Method of producing stippled sheet metal, filed Apr. 16, 1946, D. C., N. D. Ill., E. Div., Doc. 46c688, *Ekco Products Co.* v. *Chicago Metallic Mfg. Co.*

2,101,577. (See 2,158,963.) 2,107,216. (See 1,801,193.)

2,158,963, M. J. Gossen, Weather strip and sash balance; 2,257,051, same, Metal weather strip and sash balance; 2,101,577, same, Window sash balance, filed May 20, 1946, D. C., N. D. Ill., E. Div., Doc. 46c923, *Master Metal Strip Service, Inc., et al.* v. *Protex Weather Strip Mfg. Co., et al.*

2,162,282. (See Re. 20,827.)

2,166,926, W. J. Kropp, Packing and insulating material, filed July 16, 1946, D. C. Kans. (Topeka), Doc. 5964, *Insul-Wool Insulation Corp.* v. *Conley Insulation Co.*

2,180,130, Z. Swanson, Musical instrument; Des. 112,623, same, Design for musical instrument similar to ocarina; 2,209,427, same, Musical instrument for playing bugle calls; Des. 120,232, same, Design for musical instrument; Des. 115,512, same, Musical instrument for playing bugle calls, filed June 12, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1121, *H. S. Grossman et al.* v. *Chicago Musical Instrument Co. et al.*

2,183,894. (See 2,195,803.)

2,195,803, A. F. Willat, Method of waving hair; 2,266,111, 2,331,065, same, Permanent waving of hair; 2,183,894, D. J. Pye, Cold permanent waving of hair, filed June 25, 1946, D. C., S. D. N. Y., Doc. 36/529, *Cold Wave Patents Co. et al.* v. *Suprewave Corp.*

2,208,554. (See Re. 22,272.)

2,209,427. (See 2,180,130.)

2,234,138, W. Kritchevsky, Treatment of animal fur; 2,240,388, J. B. Calva, Method of treating filamentous materials, C. C. A., 2d Cir., Doc. —, *G. W. Bens et al.* v. *Celeste Fur Dyeing and Dressing Corp. et al.* Decree affirmed (notice July 3, 1946).

2,240,388. (See 2,234,138.) 2,257,051. (See 2,158,963.)

2,264,408. (See 2,320,493.) 2,266,111. (See 2,195,803.)

2,284,921, R. B. Purkiss, Casket sealing and locking means, filed July 16, 1946, D. C., S. D. Ohio, W. Div., Doc. 1536, *Batesville Casket Co.* v. *The Crane & Breed Casket Co.*

2,320,493, 2,365,787, F. C. Wallace, Clamp; 2,264,408, Same, Sheet metal clamp, filed June 10, 1946, D. C., S. D. Calif., C. Div., Doc. 5453, *Monogram Mfg. Co. et al.* v. *Wedgelock Co.*

2,331,065. (See 2,195,803.)

2,355,476, Smith & Steegstra, Fluorescent lamp starter; 2,400,353, C. H. Hodgkins, same, filed Nov. 6, 1944, D. C. N. J. (Newark), Doc. 4142. *The Bryant Electric Co.* v. *Industrial Electronics Corp.*

2,361,039. (See 2,064,322.) 2,364,408. (See 2,320,493.)

2,365,787. (See 2,320,493.)

2,381,663, L. L. Greneker, Display head, filed July 16, 1946, D. C., S. D. N. Y., Doc. 36/775, *The Greneker Corp. et al.* v. *Thornwood Display Studio.*

2,400,353. (See 2,355,476.)

Re. 20,827, L. J. Leishman, Means and method for turning rotatable objects to predetermined positions; 2,162,282, same, Automatic turner, D. C., W. D. Okla. (Oklahoma City), Doc. 2155, *L. J. Leishman* v. *The Richards & Conover Co.* Claims 7 to 11 inclusive of reissue held valid and infringed, injunction June 10, 1946; claims 7 and 11 of 2,162,282 held invalid for want of invention, suit dismissed as to 2,162,282 July 16, 1946.

Re. 22,272 (of 2,208,554), N. C. Price, Pressure control system for aircraft cabins, filed May 27, 1946, D. C., S. D. Calif., C. Div., Doc. 5420, *J. O. Mfg. Co.* v. *The Garrett Corp.*

Des. 112,623 (See 2,180,130.)

Des. 114,262, H. Dreyfuss, Clock casing, filed July 17, 1946, D. C. Conn. (New Haven), Doc. 1844, *General Time Instruments Corp.* v. *The U. S. Time Corp.*

Des. 115,512. (See 2,180,130.)

Des. 120,232. (See 2,180,130.)

T. M. 376,420. (See T. M. 381,895.)

T. M. 381,895, T. M. 376,420, Turco Products, Inc., Cleaning compounds, D. C., N. D. Ill., E. Div., Doc. 44c1318, *Lakeside Products* v. *Turco Products, Inc.* Trademarks held invalid, defendant enjoined June 5, 1946.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Des. 144,793. DESIGN FOR A CIGARETTE BUTT SNUFFER OR SIMILAR ARTICLE. Patented May 21, 1946. (Owner) Rudolph C. Kulling, 1541 North Wood St., Chicago 22, Ill. Groups 32—29; 39—99. Reg. No. 3,393.

Pat. 2,292,452. KITCHEN IMPLEMENT. Patented Aug. 11, 1942. Combination perforator, corkscrew, can and bottle opener. Has conventional type of folded handle and corkscrew pivoted to fold into handle. The head of the implement in addition to a can cutter and bottle opener has perforators for punching large as well as small heart-shaped openings into cans. (Owner) Rudolph C. Kulling, 1541 North Wood St., Chicago 22, Ill. Group 33—73. Reg. No. 3,394.

Pat. 2,377,560. ASH TRAY HOLDER. Patented June 5, 1945. Comprises a ring (for holding ash tray) with a laterally extending U-shaped bracket to which a resilient band is secured. The band is adjustable to fit supports of various sizes being clamped thereto by the bracket. One end of the band is fixedly secured to the bracket, the other (having holes for different positions of adjustment) being detachably held by the bracket. (Owner) Rudolph C. Kulling, 1541 North Wood St., Chicago 22, Ill. Group 33—73. Reg. No. 3,395.

Pat. 2,398,951. VEHICLE WHEEL. Patented Apr. 23, 1946. Wheel is constructed with the outer flange of the rim (which engages the bead of the tire) integral with a removable ring so that tires may be quickly and easily changed, a socket wrench being the only tool needed. The ring has hooks for engaging elongated slots in the felly which interlock when ring is slightly rotated. A second ring leaving the flange exposed fits over the first ring. Both rings and the felly have aligned threaded openings for the reception of threaded bolts to hold the assembly together. (Owner) Warren L. Moore, 437 East Main St., Danville, Ky. Groups 33—72; 38—31. Reg. No. 3,396.

Pat. 2,185,602. AUTOMATIC CHANGE-SPEED GEAR. Patented Jan. 2, 1940. Automatic transmission having free wheeling may also be manually operated at will by shifting a conventional lever. An axially slidable drum to which conical rollers are radially secured is splined to the driven shaft. An adjustable spring progressively urges the rollers against a number of concentrically nested cams (one for each speed) in accordance with the load on the driven shaft. The cams are secured to the ends of concentrically nested shafts which are geared on their free ends to engage gears on a countershaft which is, in turn, geared to a driving shaft. (Owner) Heinrich Metzler, 11 West 42d St., New York 18, N. Y. Group 38—31. Reg. No. 3,397.

Pat. 2,032,850. DIRECTION SIGNAL FOR AUTOMOBILES. Patented Mar. 3, 1936. A signaling device which may be mounted on vehicles. Designed to indicate direction in which vehicle is about to turn. Operating controls are located upon steering column below wheel. Pilot light adjacent operating controls shows that signal is functioning. (Owners) Byron T. Denison and Francis B. O'Shea. Address correspondence to Byron T. Denison, 46 West Main St., Mohawk, N. Y. Groups 36—19; 38—31. Reg. No. 3,398.

Pat. 2,301,702. EXTENSION SHOE. Patented Nov. 10, 1942. Extension designed for attachment to the shoe of a person with one leg shorter than the other. It is adjustable as to height and width and is readily attached to and detached from shoes of standard construction. Inventor states attachment is easily kept in serviceable condition. It is of light construction and may be manufactured by mass production methods. (Owners) William G. Purcell, Robert E. Hite, and James R. Grinels. Address correspondence to William G. Purcell, Mutual Bldg., Richmond, Va. Group 39—16. Reg. No. 3,399.

Pat. 2,390,226. MOTOR ACTUATED ERASER. Patented Dec. 4, 1945. A tubular housing containing a motor has a flexible shaft at one end for holding a detachable disc-shaped eraser. The shaft may be bent and held at various positions by a pivoted, telescoping bracket to permit use of the eraser in different angular positions. Built into the housing is a rheostat and speed control regulator. (Owner) John P. Smith, Post Office Box 638, Reidsville, N. C. Group 36—21. Reg. No. 3,400.

Pat. 2,385,576. CLASPING DEVICE FOR BAGS, PORTFOLIOS, ENVELOPES, AND THE LIKE. Patented Sept. 25, 1945. Flap has a pair of spaced slots that fit over downwardly projecting hook-like clips on side of bag or envelope. An elastic, cord-like band extending longitudinally across the top of the flap above the slots is stretched downwardly and slid under the hooks to hold the flap in closed position. The ends of the cord passing through openings in the flap are secured to the inside of the flap. (Owner) Jean I. L. Israel. Address correspondence to Michael S. Striker, 500 Fifth Ave., New York 18, N. Y. Groups 26—41; 31—71. Reg. No. 3,401.

Pat. 2,212,649. DISHWASHING MACHINE. Patented Aug. 27, 1940. Dishwasher has a valve for admitting water into the bottom. Impellers mounted on a pair of horizontal shafts are rotated to spray and throw water upwardly through a screen onto dishes positioned vertically in a rack. An impeller is mounted at each end of each shaft and double impellers in back to back relation are mounted in the centers of the shafts. Each impeller comprises a disc to which a frusto-conically shaped bell-extension is secured and a number of vanes and fins. The vanes are secured to the disc and extend radially outwardly inside the bell extension. The fins are positioned in the space between the disc and the outside of the bell extension. (Co-owner) Paul R. Powell, 221 Main St., Kansas City 6, Mo. Group 35—89. Reg. No. 3,402.

Pat. 2,382,804. MUSIC CHARACTER PRINTING. Patented Aug. 14, 1945. Clear and accurate musical symbols or characters in proper orientation relative to each other may be printed by the use of a hand operated stamp. Stamp is rod-like, being no larger than an ordinary penholder, and operated like a plunger. Any selected disc having the desired rubber symbol is removably inserted in the head. A locator pin projecting longitudinally from the head and centrally through the disc is retractible into the barrel. Pairs of pins project laterally from the head. (Owner) David L. Morrison, 6 Park Ave., Bloomfield, N. J. Groups 27—33; 39—53. Reg. No. 3,403.

Pat. 1,961,871. RADIO PROGRAM CONTROLLER. Patented June 5, 1934. Apparatus provides a means to manually switch off unwanted portions of programs for intervals of five to twenty-five minutes. The device consists of five control keys (mounted on a support or casing) any of which when pressed down switch off the receiver (of radio to which it is attached) thereby energizing an electric motor and magnetic clutch. After predetermined interval has elapsed the motor acts to operate a cam so

that key is returned to its original position. (Owner) Floyd G. Caskey. Address correspondence to Argus Advisory Service, Post Office Box 577, Benjamin Franklin Station, Washington, D. C. Group 36—61. Reg. No. 3,404.

Pat. 2,214,692. COPYHOLDER. Patented Sept. 10, 1940. Groups 33—73; 35—79. Reg. No. 3,405.

Pat. 2,273,486. COPYHOLDER. Patented Feb. 17, 1942. Groups 33—73; 35—79. Reg. No. 3,406.

These two patents relate to easel type copyholders which support notebooks or other copy in a vertical position behind a typewriter. The easel is pivotally mounted on an L-shaped base and has a movable marker operated by a key positioned adjacent the space bar of the typewriter, allowing all adjustments to be made with one hand. In Patent 2,273,486 the marker is adjustable to books of various sizes and thicknesses. The copyholders may be made of stamped sheet metal. (Co-owner) Theodore E. Simonton, 619 University Bldg., Syracuse 2, N. Y.

Pat. 2,399,552. SAFETY RAZOR. Patented Apr. 30, 1946. May be adapted to hold various types of blades, including both single and double edge. Several modified forms are shown. One form is provided with a pivoted blade support and pivoted guard and a common operator whereby the guard and support may be simultaneously moved to operative or inoperative position. A wiper may also be provided to wipe the back of the guard. (Owner) Louis A. Larson, 213 Nicollet Ave., Minneapolis, Minn. Group 33—51. Reg. No. 3,407.

Pat. 2,004,337. FLUID PUMP. Patented June 11, 1935. For use in oil or gas wells. Comprises a tubular shell adapted to be attached to the end of a length of pipe and lowered into well. Shell has upper and lower partitions with balls seating over openings in the partitions forming check valves. A pipe extending downwardly into the shell is connected to upwardly directed nozzles, the mouths of which are beneath the upper check valves. An operating fluid introduced under pressure into the pipe flows in streams from the nozzles, striking and opening the upper valves allowing the operating fluid to pass which carries some of the fluid to be pumped with it. The upper check valves also act as mixing valves causing both fluids to be thoroughly mixed together. (Owner) Mrs. J. W. Murphey, 1012 Jackson St., Monroe, La. Group 35—32—61. Reg. No. 3,408.

Pat. 2,399,393. TREE PRUNING SAW. Patented Apr. 30, 1946. Utilizes two wooden poles placed in parallel edge to edge relation, a curved saw being mounted on the end of one and a resilient rest (straddling the saw) angularly mounted on the end of the other. Handles are provided on the other ends. In operation, one pole is held so that rest bears against under side of a limb, while the other pole is grasped and reciprocated, the saw cutting on the downward stroke. Springs are provided to cushion shock on handles at end of each stroke. The poles may be locked together and reciprocated as a unit, if desired. (Owner) Byron J. Schillinger, 377 Cedar St., Benton Harbor, Mich. Groups 33—52; 35—22. Reg. No. 3,409.

Pat. 2,396,870. HAND ELECTRIC WELDING TONGS. Patented Mar. 19, 1946. Adjustable clamp (made largely of plastic) for holding welding rods of various sizes is of tubular formation with a reduced end to which a removable tip containing a fixed jaw is attached. A circular slot through the tip forms the fixed jaw. A movable rod-like jaw attached to linkage is positioned in a channel in the clamp and operated by a push button. The clamp is wholly enclosed by insulation except for the opening through the tip. Should the tip become worn or burned it may be replaced. (Owner) James S. McLean, Post Office Box 5035, Box Section, Metro Station, Los Angeles 55, Calif. Groups 36—19; 39—81. Reg. No. 3,410.

Pat. 2,398,322. COMBINATION AIR FILTER AND SILENCER. Patented Apr. 9, 1946. Filter and silencer for attachment to a carburetor is of conventional shape with wire mesh screens for properly filtering the air. In addition the inside is provided with air deflecting and silencing means in the form of an inverted cone-shaped cloth loosely suspended with its apex extending toward the discharge end. The cone partially yields to the inflow of air through the filters to deflect and concentrate the air through the discharge end and simultaneously serves to deaden engine noises without impeding the flow of air, or decreasing the required volume for proper combustion. (Owner) William Neumann, 224–38 93d Road, Queens Village, N. Y. Group 38—31. Reg. No. 3,411.

Pat. 2,373,552. GLOBE VALVE. Patented Apr. 10, 1945. Valve is constructed so that leakage around the valve stem is prevented. A circular recess is formed in the upper part of the casing around the valve stem. The stem above the seat carries a fiber washer on top of a small metal washer. As the valve is opened the fiber washer enters the recess sealing the space between stem and casing. (Owner) Charles A. Dies, 4810 North Christiana, Chicago 25, Ill. Group 33—61—66. Reg. No. 3,412.

Pat. 2,347,469. PIPE COUPLING. Patented Apr. 25, 1944. Group 35—69. Reg. No. 3,413.

Pat. 2,396,163. PIPE COUPLING. Patented Mar. 5, 1946. Group 35—69. Reg. No. 3,414.

The two preceding patents relate to couplings for threadless pipes designed to withstand high pressure and vibration without danger of leakage or loosening of the joint. In Patent 2,347,469 the inside of the coupling is tapered and smooth and the end of the pipe is correspondingly tapered to fit therein. The pipe in back of the taper has a ring positioned in a circumferential groove. A flanged nut or ferrule cap encircling the pipe is threaded on the outside of the coupling, the flanges engaging the ring to force the tapered portions into tight sealing engagement. In Patent 2,396,163 a tapered malleable bushing having a flanged outer end is utilized. The end of the pipe is of reduced diameter and has a number of circumferential grooves. When the flanged nut is threaded on the coupling it exerts pressure on the bushing to bind it between the pipe and coupling causing the metal of the bushing to crowd into the grooves of the pipe, the flange of the bushing being simultaneously clamped between the end of the coupling and flanged nut. (Owner) Charles A. Dies, 4810 North Christiana, Chicago 25, Ill.

Correction

The following patent, owned by the United States Government, as represented by the Secretary of the Interior, is available for licensing, upon a non-exclusive, royalty-free basis:

Pat. 2,403,481. METHOD OF CONCENTRATING IRON ORE. Patented July 9, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) The preparation for smelting of iron ores containing siliceous gangue materials may consist of conditioning a watery pulp of the ground ore with hydrated lime to establish a pulp with an alkalinity of pH 11. Soda ash is then added to precipitate the dissolved hydrated lime so that not more than 100 parts per million of the hydrated lime remains in solution. Lignin sulphonate is then added and the pulp subjected to agitation and aeration in the presence of an anion active collecting agent (resin acid, mixtures of resin and fatty acids, etc.) The gangue is floated and the concentrated iron ore settles and is recovered. Other examples given in patent. Group 32—95. Reg. No. 3,392.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 3, 1946

[VOL. 590. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 459,805. ALBERT C. FISCHER, doing business as Servicised Products Company, Chicago, Ill. Filed Apr. 12, 1943.

SERVICISED

FOR NATURAL AND SYNTHETIC PLASTIC COMPOSITIONS IN SHEET, ROD OR TUBE FORM FROM WHICH FINISHED ARTICLES ARE MANUFACTURED; ASPHALT AND/OR ASPHALT COMPOSITIONS ADAPTED TO BE HEATED AND POURED IN PLACE OR MOLDED INTO STRIPS; CORK SHEETS; CORK-RUBBER COMPOSITION SHEETS; SPONGE RUBBER SHEETS; CORK-RUBBER COMPOSITIONS WITH OR WITHOUT OTHER FIBROUS OR MINERAL FILLING MATERIAL; SEED GERMINATING TAPES OF FIBROUS MATERIAL FOR HAVING SEEDS MOUNTED THEREON.

Claims use since May 1, 1915.

Ser. No. 489,509. GERMAIN SEED AND PLANT CO., Los Angeles, Calif. Filed Oct. 6, 1945.

GOLDEN WEST

FOR VEGETABLE AND FLOWER SEEDS.

Claims use since Nov. 30, 1943.

Ser. No. 491,109. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Nov. 5, 1945.

RESLON

Applicant is the owner of Reg. No. 411,455.

FOR SYNTHETIC RESINS IN SOLID AND SOLUTION FORMS FOR GENERAL USE IN THE INDUSTRIAL ARTS—NAMELY, MOLDING, CASTING, SURFACE COATING, AND IMPREGNATION AND OTHER USES.

Claims use since Oct. 17, 1945.

Ser. No. 491,913. GERMAIN SEED AND PLANT CO., Los Angeles, Calif. Filed Nov. 20, 1945.

EMRALAWN

FOR LAWN SEED.

Claims use since Nov. 6, 1945.

Ser. No. 493,150. SEMET-SOLVAY COMPANY, New York, N. Y. Filed Dec. 12, 1945.

SEMET-SOLVAY COKE

Applicant is the owner of Reg. Nos. 260,579; 294,750; 294,751, and 294,752. Registration rights in the word "Coke" and a label in the form of a disc per se are disclaimed.

FOR COKE.

Claims use since Aug. 7, 1945.

CLASS 2

RECEPTACLES

Ser. No. 487,634. PERFECTION TWINE COMPANY, Camas, Wash., and Portland, Oreg. Filed Aug. 27, 1945.



The words "For Protection" and "Brand" are disclaimed apart from the mark.
FOR PAPER BAGS.
Claims use since October 1941.

Ser. No. 487,744. THE VISKING CORPORATION, Chicago, Ill. Filed Aug. 29, 1945.



FOR CELLULOSE CASINGS AND TUBING USED AS CONTAINERS.
Claims use since Aug. 14, 1945.

Ser. No. 491,055. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Nov. 5, 1945.

TRY-SAX

No claim is made to "Sax" apart from the mark.
FOR FABRIC BAGS AND SACKS.
Claims use since January 1941.

Ser. No. 494,976. MERCURY AIRCRAFT, INC., Hammondsport, N. Y. Filed Jan. 18, 1946.



FOR GASOLINE TANKS AND OIL TANKS.
Claims use since September 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 489,129. LICHTENBERGER-FERGUSON COMPANY, Los Angeles, Calif. Filed Sept. 28, 1945.



The drawing is lined for shading only. The word "Superior" is disclaimed apart from the mark.
FOR HORSE COLLARS, HALTERS, STRAPS, BRIDLES, AND SADDLES.
Claims use since 1920.

Ser. No. 491,221. TOWN AND COUNTRY SHOES, Sedalia, Mo. Filed Nov. 7, 1945.



FOR HANDBAGS.
Claims use since Oct. 15, 1945.

Ser. No. 498,078. PRIME LEATHER CO., INC., New York, N. Y. Filed Mar. 12, 1946.



FOR BRIEF CASES.
Claims use since Oct. 1, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 491,427. PEMBERTON PRODUCTS COMPANY, Irvington, N. J. Filed Nov. 10, 1945.

TRI-FOAM

FOR SOAP POWDER.
Claims use since May 1, 1945.

Ser. No. 494,791. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Jan. 15, 1946.

MONEL-O

FOR POT CLEANERS MADE OF METAL TEXTILE.
Claims use since Nov. 28, 1945.

Ser. No. 496,301. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Feb. 9, 1946.

PILOT

FOR SOAP.
Claims use since Jan. 25, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 476,071. THE LLEWELLYN BIOLOGICAL INSTITUTE, Los Angeles, and Westwood Village, Los Angeles, Calif. Filed Nov. 3, 1944.

"TOPLIVEX"

FOR LIVER EXTRACT FOR EXTERNAL APPLICATION IN LIVER THERAPY.
Claims use since Nov. 15, 1940.

Ser. No. 480,313. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Feb. 28, 1945.

2-2-4

FOR DIHYDRIC ALCOHOL—NAMELY, METHYLPENTANEDIOL.
Claims use since Jan. 3, 1945.

Ser. No. 485,752. CENTRAL PETROLEUM COMPANY, Cleveland, Ohio. Filed July 13, 1945.

IDEAL HOG-KOTE

The words "Hog-Kote" are disclaimed separate and apart from the mark.
FOR MEDICATED HOG OIL FOR TREATMENT OF HOGS TO KILL LICE, MANGE, AND OTHER DISEASES.
Claims use since Dec. 1, 1942.

Ser. No. 486,648. BETTER FINISHES AND COATINGS, INC., Newark, N. J. Filed Aug. 3, 1945.

LIQUID ENVELOPE

Applicant disclaims the word "Liquid" apart from the mark.
FOR RESINOUS COATING COMPOSITIONS FOR APPLICATION AS PROTECTIVE COATING MEDIA FOR GOODS TO BE PLACED IN STORAGE, IN TRANSIT OR IN USE ALSO AS PROTECTIVE MEDIA IN PACKAGING OF GOODS TO BE PLACED IN STORAGE OR IN TRANSIT.
Claims use since Jan. 7, 1944.

Ser. No. 487,331. STEPHEN MOLCHAN, doing business as Dobre Products Co., Jersey City, N. J. Filed Aug. 20, 1945.

DOBRÈ

FOR HAIR WAVING SOLUTIONS.
Claims use since May 1934.

Ser. No. 487,692. ELIZABETH F. RIETTE, doing business as Texatone Co., Methuen, Mass. Filed Aug. 28, 1945.

TEXATONE

FOR PREPARATION FOR INTERNAL TREATMENT OF ASTHMA, BRONCHIAL AFFECTIONS, CATARRH, HAY FEVER, BRONCHITIS, INFLUENZA, AND WHOOPING COUGH.
Claims use since Nov. 1, 1922.

Ser. No. 488,074. AGAWAM CHEMICALS, INC., West Springfield, Mass. Filed Sept. 7, 1945.

AGCHEM

FOR CHEMICAL PREPARATIONS USED AS RUBBER ACCELERATORS, ANTIOXIDANTS, RESIN TACKIFIERS AND SOLVENTS; ANTIFOAMS; ANIONIC AND CATIONIC SURFACE ACTIVE AGENTS; CHEMICAL COMPOSITIONS USED AS EMULSIFIERS AND EMULSION STABILIZERS; AND COMPOSITIONS INCLUDING RESIN, WAX AND PROTEIN USED AS SIZING FOR PAPER AND THE LIKE.
Claims use since June 15, 1945.

Ser. No. 488,120. PARFUMERIE FRAGONARD G. FUCHS & CIE, Paris, France. Filed Sept. 7, 1945.

SOURCE BLEUE

FOR PERFUMES.
Claims use since 1935.

Ser. No. 488,122. PARFUMERIE FRAGONARD G. FUCHS & CIE, Paris, France. Filed Sept. 7, 1945.

ZIZANIE

FOR PERFUMES.
Claims use since 1935.

Ser. No. 488,548. PRIMROSE HOUSE, INC., New York, N. Y. Filed Sept. 15, 1945.

Witchery

FOR BATH SALTS, BATH OILS, HAND LOTION, HAND CREAM, TOILET WATER, MASCARA, EYEBROW AND EYELASH DARKENER, BUBBLE BATH—NAMELY, A BATH WATER FRAGRANTER AND SOFTENER—EYEBROW PENCILS, LIP POMADE, FACE LOTIONS AND OILS, ASTRINGENTS, PERFUME, NAIL POLISH, LIPSTICKS, ROUGE, EYE SHADOW, SACHET FOR USE ON CLOTHING IN BUREAUS AND THE LIKE, HAIR SHAMPOO, DUSTING POWDER, MAKE-UP CREAM, DEODORANTS, LEG MAKE-UP, TALCUM POWDER, FACE POWDER, AND COLOGNE.
Claims use since Aug. 14, 1945.

Ser. No. 489,654. LAURETTA G. CHAMBERLIN, Chattanooga, Tenn. Filed Oct. 9, 1945.

TALTICPERIC COLON TREATMENT or T. C. T.

The words "Colon Treatment" are disclaimed apart from the mark.
FOR PREPARATION FOR USE AS AN ENEMA IN THE TREATMENT OF LOCKED BOWELS, HEMORRHOIDS, SHINGLES, STOMACH DISORDERS, ARTHRITIS, AND RHEUMATISM.
Claims use since July 31, 1945.

Ser. No. 491,404. ELECTROMA COMPANY, Los Angeles, Calif. Filed Nov. 10, 1945.

Electroma

FOR VAPORIZING HEAT WAFERS FOR RELIEF OF NASAL CONGESTION DUE TO COMMON HEAD COLDS.
Claims use since Oct. 25, 1945.

Ser. No. 491,521. CLAUDE W. STAFFORD, Florence, Ala. Filed Nov. 13, 1945.

"PENN CHAR"

Stafford's Original

The legend "Stafford's Original" and the word "Penn" are disclaimed apart from the other features of the mark.
FOR DOG MANGE MEDICINE.
Claims use since Oct. 15, 1945.

Ser. No. 491,651. MAN OF MANHATTAN, INC., New York, N. Y. Filed Nov. 15, 1945.



FOR MEN'S TOILETRIES—NAMELY, AFTER-SHAVE LOTION, DRESSINGS AND LOTIONS FOR THE HAIR, DEODORANT, MEN'S COLOGNE AND TALCUM POWDER.
Claims use since Oct. 24, 1945.

Ser. No. 491,657. MAN OF MANHATTAN, INC., New York, N. Y. Filed Nov. 15, 1945.



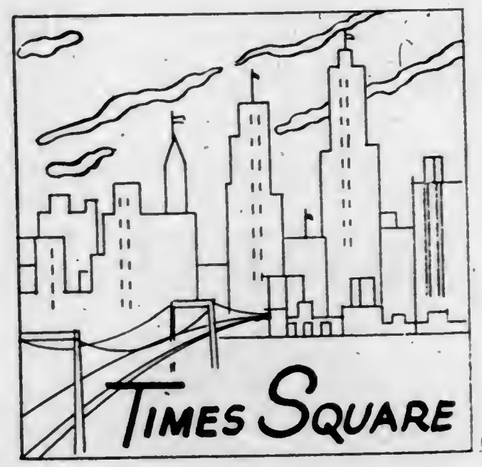
Applicant disclaims the words "New York" apart from the mark.
FOR MEN'S TOILETRIES— NAMELY, AFTER-SHAVE LOTION, DRESSINGS AND LOTIONS FOR THE HAIR, DEODORANT, MEN'S COLOGNE AND TALCUM POWDER.
Claims use since Oct. 24, 1945

Ser. No. 491,658. MAN OF MANHATTAN, INC., New York, N. Y. Filed Nov. 15, 1945.



Applicant disclaims the word "Towner" apart from the mark.
FOR MEN'S TOILETRIES—NAMELY, AFTER-SHAVE LOTION, DRESSINGS AND LOTIONS FOR THE HAIR, DEODORANT, MEN'S COLOGNE AND TALCUM POWDER.
Claims use since Oct. 24, 1945.

Ser. No. 491,659. MAN OF MANHATTAN, INC., New York, N. Y. Filed Nov. 15, 1945.



FOR MEN'S TOILETRIES—NAMELY, AFTER-SHAVE LOTION, DRESSINGS AND LOTIONS FOR THE HAIR, DEODORANT MEN'S COLOGNE AND TALCUM POWDER.
Claims use since Oct. 24, 1945.

Ser. No. 491,871. MEDI-SYNTH LABORATORIES, Los Angeles, Calif. Filed Nov. 19, 1945.

LIVEX

FOR LIVER AND VITAMIN TONIC FOR HUMAN CONSUMPTION.
Claims use since 1938.

Ser. No. 491,873. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Nov. 19, 1945.

BUTAPHYLLAMINE

FOR TABLET FOR USE AS A DIURETIC AND MYOCARDINAL STIMULANT.
Claims use since Nov. 6, 1945.

Ser. No. 492,212. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Nov. 26, 1945.

ORAGEN

FOR TABLET FOR ORAL ADMINISTRATION FOR USE IN HEMOGLOBIN REGENERATION.
Claims use since Nov. 15, 1945.

Ser. No. 492,214. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Nov. 26, 1945.

PARENCILLIN

FOR INTRAVENOUS SOLUTION FOR THE TREATMENT OF VARICOSE VEINS.
Claims use since Nov. 15, 1945.

Ser. No. 492,775. MAN OF MANHATTAN, New York, N. Y. Filed Dec. 6, 1945.

Two on the AISLE

FOR MEN'S COLOGNE AND AFTER SHAVE LOTION.
Claims use since Sept. 24, 1945.

Ser. No. 493,320. JAMES HOMER BUTLER, doing business as Cà d'Oro, New York, N. Y. Filed Dec. 15, 1945.

CÀDORO

FOR PERFUME.
Claims use since Nov. 26, 1945.

Ser. No. 494,515. PARFUM L'OBLE, INC., New York, N. Y. Filed Jan. 9, 1946.

Embroidery

FOR PERFUMES AND TOILET WATERS.
Claims use since Jan. 4, 1946.

Ser. No. 494,574. WILLIAM PETERMAN, INC., Newark, N. J. Filed Jan. 10, 1946.

FLYOSAN

FOR INSECTICIDE.
Claims use since June 24, 1919.

Ser. No. 495,408. ARTHUR RONAI, doing business as Rose Ronai, New York, N. Y. Filed Jan. 25, 1946.

Rose Ronai

The mark is the autographed signature of Rose Ronai, consent given. Applicant disclaims sole right to the word "Rose" except as a part of the signature.

FOR ROUGE, FACE POWDER, PERFUME, TOILET WATER, SACHET POWDER, BATH POWDER, BATH SALTS, COLOGNE, CAKE MAKE-UP, LIPSTICK, BRILLIANTINE, BUBBLE BATH, CREAM POWDER BASE, EYE MASCARA, TALCUM POWDER, EYE-BROW PENCIL, HAND CREAM, HAND LOTION, WATER SOFTENER, BLEACH CREAM, FRECKLE CREAM, SOFTENING CREAM, FOUNDATION CREAM, CUTICLE REMOVER, DEPILATORY, EYE SHADOW, EYE LOTION, FACIAL MASK, LEG MAKE-UP, NAIL POLISH, NAIL POLISH BASE COAT, NAIL POLISH REMOVER, SUNBURN PREVENTATIVE, SHAMPOO AND HAIR WAVE LOTION.
Claims use since Jan. 16, 1946.

Ser. No. 495,445. BOSTON DRUG & CHEMICAL CO., doing business as Prince Toiletries, Boston, Mass. Filed Jan. 26, 1946.

PRINCE'S P.M.C. BRAND

No claim is made to the word "Brand" apart from the mark.

FOR CASCARA SAGRADA TABLETS, RUBBING ALCOHOL, ZINC OINTMENT, MINERAL OIL AND PHENOLTHALEN, WITCH HAZEL AND CASTOR OIL.
Claims use since June 1, 1912.

Ser. No. 495,570. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Jan. 29, 1946.

TAG

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND GERMICIDES, SPRAY, ADJUVANTS, HERBICIDES AND COMPOUNDS WHICH INFLUENCE SPECIFIC PHYSIOLOGICAL PROCESSES IN PLANTS.
Claims use since Dec. 18, 1945.

Ser. No. 496,180. VITAMINS & PHARMACEUTICALS, INC., Dover, Del. Filed Feb. 7, 1946.

AMINOPAN

FOR PREPARATION CONTAINING VARIOUS AMINO ACIDS FOR USE AS A MEDICINAL PREPARATION IN CONJUNCTION WITH ULCER THERAPY, AND AS A DIETARY SUPPLEMENT IN CONDITIONS REQUIRING AN INCREASED INTAKE OF PROTEINS.
Claims use since Nov. 28, 1945.

Ser. No. 496,341. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Feb. 9, 1946.

ESKAY

FOR PHARMACEUTICAL PREPARATIONS MORE PARTICULARLY GENERAL TONIC, MEDICINE FOR DISEASES OF THE NERVOUS SYSTEM, MEDICINE FOR THE STIMULATION OF THE NERVOUS SYSTEM AND OTHER THERAPEUTIC CONDITIONS, EYE DROPS, DERMATOLOGICAL OINTMENTS, ANALGESIC PREPARATION, FERROUS SULFATE ELIXIR, FERROUS SULFATE TABLETS, FERROUS SULFATE, VITAMIN PREPARATIONS, NOSE DROPS, VASOCONSTRICTOR, MEDICINE FOR ARTHRITIS, EYE BATH, SULFONAMIDES, SULFONAMIDE PREPARATIONS, NASAL AND ORAL INHALANTS, AMPHETAMINE SULFATE, AMPHETAMINE SULFATE ELIXIR, PENICILLIN, AMPHETAMINE SALTS, AMPHETAMINE SULFATE SOLUTION, MEDICINE FOR THE TREATMENT OF ANEMIA, DEXTROSE TABLETS, A PREPARATION FOR THE TREATMENT OF AGRANULOCYTOSIS, REMEDY FOR LEUKEMIA, REMEDY FOR INDIGESTION.
Claims use since Jan. 25, 1946.

Ser. No. 496,459. ERNEST T. NUTTER, New York, N. Y. Filed Feb. 12, 1946.

SMOOTHEST KNOWN

No claim is made to the word "Smoothest" apart from the mark.

FOR LIPSTICK, ROUGE, NAIL POLISH, TALCUM POWDER, HAND CREAM, FACE CREAM, FACE LOTION, AND PERFUME.
Claims use since Dec. 12, 1945.

Ser. No. 496,588. VITAMINS & PHARMACEUTICALS, INC., Dover, Del. Filed Feb. 14, 1946.

B-ESTRO-COMPLEX

No claim is made to the letter "B" and the word "Complex" apart from the mark.

FOR B-COMPLEX WITH AMINO ACID HYDROLYSATE AND ESTROGENIC HORMONE, FOR USE IN MENOPAUSE AND DYSMENORRHEA AS WELL AS OTHER CONDITIONS IN WHICH INCREASED INTAKE OF B COMPLEX VITAMINS, AMINO ACIDS AND ESTROGENIC HORMONES ARE INDICATED.
Claims use since Nov. 15, 1945.

Ser. No. 497,131. REQUA MANUFACTURING CO., INC., New York and Brooklyn, N. Y. Filed Feb. 23, 1946.

CHARO

FOR REFRIGERATOR AND ICEBOX DEODORIZERS.
Claims use since April 1912.

Ser. No. 497,360. WILLIAM L. ARMSTRONG, doing business as Armstrong Chemical Company, Fremont, Nebr. Filed Feb. 28, 1946.

Commander Cavity!

No claim is made to the word "Cavity" except as shown.

FOR FLUIDS FOR EMBALMING AND FOR DISINFECTING THE DEAD HUMAN BODY.
Claims use since Oct. 25, 1945.

Ser. No. 497,769. EVELYN B. BENNETT, doing business under the name of Denta-Lava Company, St. Petersburg, Fla. Filed Mar. 7, 1946.

DENTA-LAVA

FOR ANTISEPTIC-DEODORANT AND ASTRINGENT FOR USE AS A MOUTH WASH, GARGLE, SPRAY, OR NASAL DOUCHE.
Claims use since 1926.

Ser. No. 497,816. RIDSDALE & CO. LIMITED, Middlesbrough, England. Filed Mar. 7, 1946.

ANALOID

FOR CHEMICAL SUBSTANCES USED IN ANALYSIS.
Claims use since Oct. 31, 1911.

Ser. No. 497,979. SOCIETE D'ETUDES ET D'EXPANSION DE LA PARFUMERIE DE LUXE, Paris and Asnieres, near Paris, France. Filed Mar. 9, 1946.

FOU

FOR PERFUMES.
Claims use since Nov. 16, 1945.

Ser. No. 498,033. ENNIS NEWTON SEARLES, doing business as Athlophoros Company, Pomfret Center, Conn. Filed Mar. 11, 1946.

ATHLOPHOROS

FOR A SPECIFIC FOR THE TREATMENT OF NEURALGIA AND RHEUMATISM.
Claims use since Mar. 15, 1883.

Ser. No. 498,267. KATHERINE K. BENOLIEL, Philadelphia, Pa. Filed Mar. 15, 1946.

Beam

FOR TARNISH PREVENTIVE BEING A MIXTURE OF CHEMICALS USED TO PREVENT SILVER FROM TARNISHING.
Claims use since October 1940.

Ser. No. 499,584. VAN PATTEN PHARMACEUTICAL CO., Chicago, Ill. Filed Apr. 3, 1946.

Thyrobrom

FOR BROMINATED THYROID PRODUCTS.
Claims use since Mar. 27, 1946.

Ser. No. 499,586. VELSICOL CORPORATION, Chicago, Ill. Filed Apr. 3, 1946.

VELSICOL

FOR INSECTICIDES AND FUNGICIDES.
Claims use since September 1940.

Ser. No. 499,588. VELSICOL CORPORATION, Chicago, Ill. Filed Apr. 3, 1946.

1068

FOR INSECTICIDES AND FUNGICIDES.
Claims use since Feb. 11, 1946.

Ser. No. 499,591. VELSICOL CORPORATION, Chicago, Ill. Filed Apr. 3, 1946.

VELSICOL

FOR INSECTICIDES AND FUNGICIDES.
Claims use since September 1940.

Ser. No. 499,600. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Apr. 4, 1946.

WEEDEX

FOR CHEMICAL PREPARATIONS FOR EXTERMINATING WEEDS.
Claims use since Aug. 10, 1931.

Ser. No. 499,612. THE DESRON COMPANY, Balboa Island, Calif. Filed Apr. 4, 1946.

Sindosan

FOR COUNTER-IRRITANT MEDICINE.
Claims use since Jan. 31, 1946.

Ser. No. 499,648. PARFAIT, INCORPORATED, Chicago, Ill. Filed Apr. 4, 1946.

Thorobred

FOR COLOGNE, TALCUM POWDER, AFTER-SHAVE LOTION, SKIN LOTION, HAIR DRESSING, HAIR SHAMPOO, AND BUBBLE BATH PREPARATION.
Claims use since Mar. 5, 1946.

Ser. No. 499,720. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Apr. 5, 1946.

INTERVALLE

FOR TOILET PREPARATIONS, PERFUMERY AND COSMETICS—NAMELY, PERFUME, TOILET WATERS, LIPSTICKS, FACE POWDER, TOILET CREAMS, AND ROUGE.
Claims use since Mar. 19, 1946.

Ser. No. 499,746. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Apr. 5, 1946.

BUTANEFRINE

FOR BRONCHODILATOR PREPARATION.
Claims use since June 13, 1944.

CLASS 7

CORDAGE

Ser. No. 502,999. PLYMOUTH CORDAGE COMPANY, Plymouth, Mass. Filed May 29, 1946.

PURITAN

FOR ROPE OF SISAL AND OTHER VEGETABLE HARD FIBRE.
Claims use since November 1921.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 490,979. SYRACUSE ORNAMENTAL CO., New York, N. Y. Filed Nov. 2, 1945.

SyrocoWood

Applicant disclaims the word "Wood" apart from the mark.
FOR GOODS NOT MADE OF PRECIOUS OR SEMI-PRECIOUS METAL—NAMELY, ORNAMENTAL CIGARETTE, CIGAR, AND TOBACCO BOXES, HUMIDORS, ASH TRAYS, MATCH BOXES, PIPE RACKS, SMOKING STANDS, SMOKING TRAYS AND COMBINATION SMOKERS' SETS FOR HOLDING SMOKING ACCESSORIES.
Claims use since April 1931.

CLASS 10

FERTILIZERS

Ser. No. 496,152. SHERWOOD MORTLEY PINKERTON, doing business as S. Pinkerton, Toledo, Ohio. Filed Feb. 7, 1946.

TREAT

FOR FOOD FOR ROSES AND PLANTS.
Claims use since May 15, 1936.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 469,491. BOWERS PRINTING INK COMPANY, Chicago, Ill. Filed Apr. 20, 1944.

Aquaset

FOR PRINTING AND LITHOGRAPHIC INKS.
Claims use since Jan. 20, 1944.

Ser. No. 488,474. THE PARKER PEN COMPANY, Janesville, Wis. Filed Sept. 14, 1945. Under section 5b of the act of 1905 as amended in 1920 as to "Parker."

Parker "51"

FOR WRITING INK.
Claims use since Aug. 29, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 476,852. L. SONNEBORN SONS, INC., New York, N. Y. Filed Nov. 24, 1944.

FERROLITH

No claim is made to the word "Ferro" apart from the mark.
FOR HARDENING AND WATERPROOFING POWDERED COMPOSITION FOR HYDRAULIC MIXES, COMPRISING COMMINUTED METALLIC FERROUS AGGREGATE, DRY EARTH COLORS AND PORTLAND CEMENT.
Claims use since Sept. 14, 1944.

Ser. No. 486,701. UNIVERSAL ZONOLITE INSULATION CO., Chicago, Ill. Filed Aug. 3, 1945.

Zcrete

FOR ADMIXTURE OF VERMICULITE, PORTLAND CEMENT AND A WATER-PROOFING COMPOUND, SAID ADMIXTURE BEING CONTAINED IN BAGS AND OTHER SUITABLE CONTAINERS AND USED FOR INSULATING UNDERGROUND PIPES AGAINST LOSS OF HEAT CONDUCTED THROUGH SAID PIPES.
Claims use since Feb. 13, 1945.

Ser. No. 499,192. THE B & T METALS COMPANY, Columbus, Ohio. Filed Mar. 29, 1946.

X-Celolite

FOR BUILDING TRIM OF EXTRUDED METALS AND VARIOUS PLASTIC COMBINATIONS AND ADAPTED TO BE USED IN INTERIOR FINISHING AND DECORATING.
Claims use since Jan. 3, 1946.

Ser. No. 499,561. M. B. M. COMPANY, Everett, Wash. Filed Apr. 3, 1946.

HONEYMOON HOMES

The word "Homes" is disclaimed apart from the mark.
FOR PREFABRICATED BUILDINGS MADE PRIMARILY OF WOOD.
Claims use since Mar. 1, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 487,304. STANLEY V. BOLAND, doing business as Boland Manufacturing Company, Chicago, Ill. Filed Aug. 20, 1945.

Crystalite

FOR SHOWER BATH CURTAINS.
Claims use since Apr. 6, 1945.

Ser. No. 493,816. OAKES & COMPANY, Chicago, Ill. Filed Dec. 22, 1945.

BREAKFAST CLUB

FOR ALUMINUM WARE—NAMELY, GRIDDLES, SKILLETS, STEAK PLATTERS, CHICKEN FRYERS, DUTCH OVENS, TEA KETTLES, SAUCE PANS, COFFEE POTS, COFFEE PERCOLATORS, COFFEE DRIPOLATORS, AND VACUUM TYPE COFFEE MAKERS.
Claims use since Nov. 30, 1945.

CLASS 15

OILS AND GREASES

Ser. No. 489,531. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Oct. 6, 1945.

MICROCUT

Applicant is the owner of Reg. No. 409,149.
FOR CUTTING OILS FOR COOLING AND LUBRICATING CUTTING TOOLS ON METAL MACHINING OPERATIONS.
Claims use since June 2, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 492,912. HERBERT D. FINE, doing business as Plasti-Kote Company, Cleveland, Ohio. Filed Dec. 8, 1945.

PALLETONE

FOR PAINT IN READY-MIXED FORM.
Claims use since Nov. 27, 1945.

CLASS 19

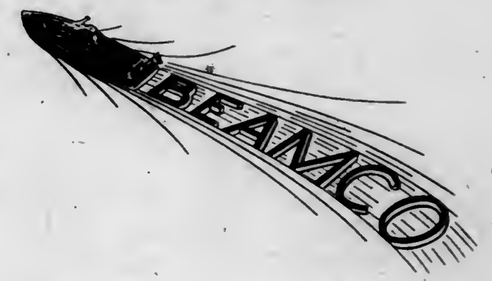
VEHICLES

Ser. No. 492,616. CUSHMAN OVERSEAS CO., New York, N. Y. Filed Dec. 4, 1945.

MOTONETA

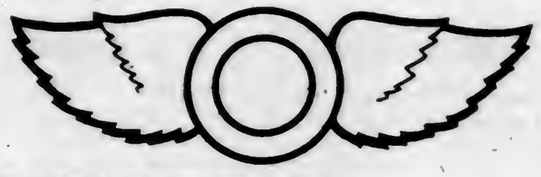
FOR TWO AND THREE WHEEL MOTOR SCOOTERS AND MOTORCYCLES.
Claims use since June 30, 1943.

Ser. No. 497,161. BLAKEY ENGINEERING AND MARINE CO., Babylon, N. Y. Filed Feb. 25, 1946.



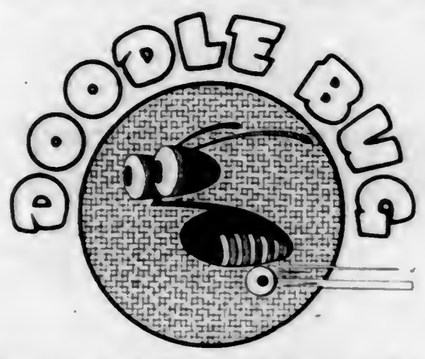
The representation of the boat is disclaimed apart from the mark.
FOR ROW BOATS, SAIL BOATS, AND MOTOR BOATS.
Claims use since Feb. 19, 1946.

Ser. No. 497,342. SENSENICH BROTHERS, Lancaster, Pa. Filed Feb. 27, 1946.



FOR AIRPLANE PROPELLERS.
Claims use since July 6, 1944.

Ser. No. 499,166. SOLAR CORPORATION, Milwaukee, Wis., and Webster City, Iowa. Filed Mar. 28, 1946.



The drawing is lined to indicate the colors yellow and red.
FOR MOTOR SCOOTERS.
Claims use since Mar. 4, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 481,854. MINERVA CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 7, 1945.



The lining on the drawing indicates shading. The words "Corp. of America" are disclaimed apart from the mark.
FOR RADIO RECEIVING SETS AND RADIO TRANSMITTING SETS.
Claims use since Nov. 1, 1944.

Ser. No. 495,568. ERNST BISCHOFF COMPANY, INC., Ivoryton, Conn. Filed Jan. 29, 1946.



FOR THERMO-PLASTIC POTTING COMPOUNDS FOR SEALING AND INSULATING ELECTRICAL UNITS.
Claims use since Oct. 11, 1945.

Ser. No. 496,862. LOUIS W. ROBINSON, doing business as Lu Rae Plastic Fabricators, Kansas City, Mo. Filed Feb. 18, 1946.



FOR ELECTRIC LAMPS.
Claims use since Feb. 7, 1946.

Ser. No. 498,254. RADIO RECEPTOR COMPANY, INC., New York, N. Y. Filed Mar. 14, 1946.



FOR SELENIUM RECTIFIERS.
Claims use since Nov. 15, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 468,731. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Mar. 27, 1944.



The drawing is lined to indicate the colors black and mandarin orange. No claim is made to the surname "Phillips" apart from the mark.
FOR GOLF BALLS AND SAVINGS BANKS.
Claims use since April 1938 on golf balls; and August 1941 on savings banks.

Ser. No. 469,307. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Apr. 18, 1944.



The drawing is lined to indicate the colors black and mandarin orange. No claim is made to the surname "Phillips" apart from the mark.
FOR GOLF BALLS.
Claims use since Apr. 1, 1938.

Ser. No. 484,659. NATHAN AXELROD, San Francisco, Calif. Filed June 18, 1945.

T.N.T

FOR CARD GAME.
Claims use since May 15, 1945.

Ser. No. 486,995. THE LA PORTE CORPORATION, Chicago, Ill., and La Porte, Ind. Filed Aug. 10, 1945.



The lining shown on the drawing is used for shading purposes only. The representation of the baby forming a feature of the mark is fanciful. The words "Baby Walker" are disclaimed apart from the mark.
FOR BABY WALKERS.
Claims use since Jan. 2, 1945.

Ser. No. 489,224. THE LA PORTE CORPORATION, Chicago, Ill., and La Porte, Ind. Filed Oct. 1, 1945.

Pal

FOR WHEELED GOODS—NAMELY, BABY WALKERS, TOY PEDAL CARS, SCOOTERS, TOY TRICYCLES, TOY VELOCIPEDES, CHILDREN'S TWO, THREE, AND FOUR WHEELED TOY VEHICLES.
Claims use since Jan. 2, 1945.

Ser. No. 491,299. WYNNE PRECISION COMPANY, Griffin, Ga. Filed Nov. 8, 1945.



The picture of the head of the man is purely fanciful.
FOR FISHING TACKLE—NAMELY, FLY BOOKS, REELS, RODS, HOOKS, LINES, LEADERS, SPINNERS, FISH LURES, BAITS, CREELS, NETS, STRINGERS, SINKERS, FLOATS, CHAMOIS WIGGLERS, AND VICES.
Claims use since Sept. 27, 1945.

Ser. No. 491,301. WYNNE PRECISION COMPANY, Griffin, Ga. Filed Nov. 8, 1945.



The picture of the head of the man is purely fanciful.
FOR FISHING TACKLE—NAMELY, FLY BOOKS, REELS, RODS, HOOKS, LINES, LEADERS, SPINNERS, FISH LURES, BAITS, CREELS, NETS, STRINGERS, SINKERS, FLOATS, CHAMOIS WIGGLERS, AND VICES.
Claims use since Sept. 27, 1945.

Ser. No. 491,302. WYNNE PRECISION COMPANY, Griffin, Ga. Filed Nov. 8, 1945.



The picture of the head of the man is purely fanciful.
FOR FISHING TACKLE—NAMELY, FLY BOOKS, REELS, RODS, HOOKS, LINES, LEADERS, SPINNERS, FISH LURES, BAITS, CREELS, NETS, STRINGERS, SINKERS, FLOATS, CHAMOIS WIGGLERS, AND VICES.
Claims use since Sept. 27, 1945.

Ser. No. 491,766. REGINALD D. OSGOODBY, Chicago, Ill. Filed Nov. 17, 1945.

AT - EM - BOM

FOR PLAYING CARDS AND GAME BOARDS.
Claims use since Nov. 12, 1945.

Ser. No. 491,905. WESTERN COLUMBIA MANUFACTURING CO., Los Angeles, Calif. Filed Nov. 19, 1945.



No claim is made to the word "Tops" separate and apart from the mark.
FOR DIABLO TOPS.
Claims use since Sept. 15, 1945.

Ser. No. 500,015. MARY P. PADGETT, Bloomingdale, N. J. Filed Apr. 11, 1946.

Jamble

FOR PUZZLES CONSISTING OF CUBES CARRYING PLAYING CARD CHARACTERS.
Claims use since Mar. 10, 1946.

Ser. No. 500,396. KNIGHT SCREW PRODUCTS COMPANY, Detroit, Mich. Filed Apr. 17, 1946.

MULTIKLUB

FOR GOLF CLUBS.
Claims use since Mar. 14, 1946.

Ser. No. 503,126. SHUREBITE INC., Bronson, Mich. Filed May 31, 1946.

SHEDEVIL

FOR FISH LURES.
Claims use since March 1930.

Ser. No. 503,137. SHUREBITE INC., Bronson, Mich. Filed May 31, 1946.

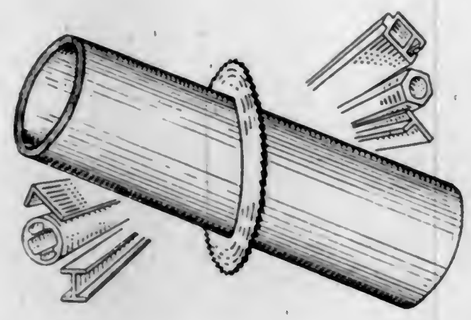
SHUREBITE

FOR FISH LURES.
Claims use since Mar. 25, 1946.

CLASS 23

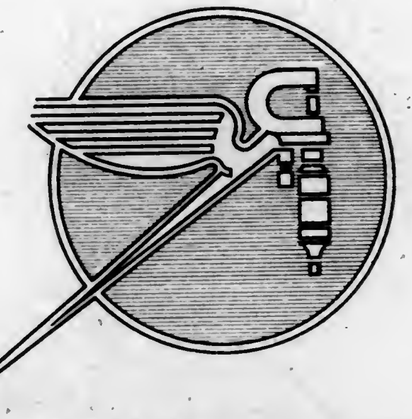
CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 474,584. DE WALT PRODUCTS CORPORATION, Lancaster, Pa. Filed Sept. 25, 1944.



The drawing is lined to indicate shading only.
FOR METAL CUTTING MACHINES—NAMELY, MACHINES FOR CUTTING OFF PIECES OF METAL STOCK AND FOR NOTCHING PIECES OF METAL STOCK.
Claims use since Feb. 9, 1944.

Ser. No. 482,827. ADEL PRECISION PRODUCTS CORP., Burbank, Calif. Filed May 1, 1945.



The drawing is lined for blue.
FOR MOTOR OPERATED PUMPS, HAND OPERATED PUMPS, HYDRAULIC CYLINDER AND PISTON ASSEMBLIES AND HYDRAULIC MOTION-TRANSMITTING APPARATUS INCLUDING CYLINDER AND PISTON, ACTUATING UNITS, CYLINDER AND PISTON ACTUATED UNITS AND PRESSURE ACCUMULATORS AND EQUALIZERS, ALL WITH OR WITHOUT BUILT-IN VALVES AND/OR THERMAL-COMPENSATING DEVICES FOR HYDRAULIC, POWER-TRANSMITTING SYSTEMS, FLUID FLOW CONTROL SYSTEMS AND THE LIKE.
Claims use since Nov. 12, 1941.

Ser. No. 483,045. THE UNION FORK AND HOE COMPANY, Columbus, Ohio. Filed May 5, 1945.

YARDBIRD

FOR HAND OPERATED TOOLS—NAMELY, AXES, CULTIVATORS, CUTTERS, LETTUCE CUTTERS, THISTLE, DOCK AND WEED CUTTERS, D-HANDLES FOR TOOLS, MANURE DRAGS, POTATO DRAGS, PHOSPHATE DRAGS, STONE DRAGS, LAWN EDGERS, TURF EDGERS, LIGHT AND HEAVY FORKS, ALFALFA FORKS, ASPHALT FORKS, BALING FORKS, BALLAST FORKS, BARLEY FORKS, BEET FORKS, CLOVER FORKS, COAL FORKS, COAL SCOOP FORKS, COKE FORKS, COTTON SEED FORKS, ENGLISH DIGGING FORKS, ENSILAGE FORKS, FISH FORKS, FLORAL SPADING FORKS, GRAIN FORKS, HAY FORKS, HEADER FORKS, MANURE FORKS, MILL FORKS, PHOSPHATE FORKS, POTATO DIGGING FORKS, PULP FORKS, SHAVING FORKS, SPADING FORKS, STREET FORKS, STONE FORKS, STONE PICKER FORKS, TANNERS' FORKS, TAR FORKS, VEGETABLE SCOOP FORKS, FLORAL GARDEN TOOLS, ICE CHISELS, BEET HOES, BLACKLAND HOES, BOYS' HOES, CORN HOES, COTTON HOES, COTTON CHOPPER HOES, CULTIVATOR HOES, EYE HOES, FIELD HOES, FLORAL HOES, GARDEN HOES, GRADING HOES, GRAPE HOES, GRUB HOES, HANDLED SPROUTING HOES, HANDLED SQUARE EYE HOES, LADIES' HOES, MATTOCK HOES, MEADOW HOES, MORTAR HOES, MORTAR MIXER HOES, NURSERY HOES, NURSERYMEN'S HOES, ONION HOES, PLANTER HOES, RHODE ISLAND HOES, RIVETED HOES, SCUFFLE HOES, SPROUTING HOES, STRAWBERRY HOES, STREET HOES, SUGAR BEET HOES, THINNING HOES, TOBACCO HOES, WARREN HOES, WEEDING HOES, WHIRLWIND HOES, CLAM HOOKS, GARBAGE HOOKS, MANURE HOOKS, NURSERYMEN'S HOOKS, PHOSPHATE HOOKS, POTATO HOOKS, REFUSE HOOKS, STONE HOOKS, LAWN COMBS, ASPHALT RAKES, BRUME RAKES, CLAM RAKES, CURVED TOOTH RAKES, DANDELION RAKES, FLAT BOW RAKES, FLORAL RAKES, GARDEN RAKES, GRAVEL RAKES, LAWN RAKES, LEVEL HEAD RAKES, MALLEABLE RAKES, PINE NEEDLE RAKES, ROAD RAKES, ROUND BOW RAKES, SINGE SHANK RAKES, STEEL RAKES, STONE RAKES, TAR RAKES, TWO-MAN RAKES, WIRE LAWN RAKES, SEEDLING SETTERS, BARN FLOOR SCRAPERS, CHICKEN HOUSE SCRAPERS, DECK SCRAPERS, FLOOR SCRAPERS, SHIP SCRAPERS, SHOVELS, FIRE SHOVELS, FLORAL SHOVELS, SIDE WALK CLEANERS, SOD LIFTERS, SPADES, CONCRETE SPADES, HAND SPADES, TOOL HANDLES AND PARTS THEREOF, TROWELS, GARDEN TROWELS, NURSERYMEN'S TROWELS, TRANSPLANTING TROWELS, WEEDERS, DANDELION WEEDERS, HAND WEEDERS, ONION WEEDERS.
Claims use since Apr. 2, 1945.

Ser. No. 496,077. HOWARD H. HEINZ, INCORPORATED, Detroit, Mich. Filed Feb. 6, 1946.

HY-CO

FOR CENTER DRILL.
Claims use since Oct. 25, 1945.

Ser. No. 496,379. GRAND SPECIALTIES COMPANY, Chicago, Ill. Filed Feb. 11, 1946.



FOR C-CLAMPS.
Claims use since Jan. 10, 1946.

Ser. No. 496,401. THE OSTER MANUFACTURING COMPANY, Cleveland, Ohio. Filed Feb. 11, 1946.

The Pipe Master

The word "Pipe" is disclaimed apart from the mark.
FOR SEMI-PORTABLE PIPE, BOLT, AND ROD THREADING AND CUTTING OFF MACHINES.
Claims use since Sept. 15, 1939.

Ser. No. 496,855. NATIONAL RUBBER MACHINERY COMPANY, Akron, Ohio. Filed Feb. 18, 1946.

PLASTRUDER

FOR EXTRUSION PRESSES FOR PLASTICS.
Claims use since Sept. 28, 1942.

Ser. No. 497,976. F. L. SMIDTH & Co., New York, N. Y. Filed Mar. 9, 1946.

DRAGPEB

FOR LININGS FOR TUBE MILLS.
Claims use since Sept. 1, 1925.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 487,716. GEORGE M. GIBSON, Bellevue, Iowa. Filed Aug. 29, 1945.

PET

FOR DOMESTIC LAUNDRY WASHING AND IRONING MACHINES.
Claims use since June 12, 1945.

Ser. No. 489,278. NATIONAL TRADING COMPANY, Hickory, N. C. Filed Oct. 2, 1945.

ATOMIC

FOR CLOTHES WASHING MACHINES.
Claims use since Aug. 3, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 475,066. PANORAMIC RADIO CORPORATION, New York, N. Y. and elsewhere. Filed Oct. 7, 1944.

PANADAPTOR

FOR ELECTRICAL FREQUENCY DETECTING OR MEASURING EQUIPMENT, COMPRISING ELECTRONIC DEVICES AND A CATHODE RAY DISPLAY SCREEN TO INDICATE A DETECTED OR MEASURED FREQUENCY.
Claims use since Apr. 21, 1943.

Ser. No. 475,067. PANORAMIC RADIO CORPORATION, New York, N. Y. and elsewhere. Filed Oct. 7, 1944.

PANALYZOR

FOR ELECTRICAL FREQUENCY DETECTING OR MEASURING EQUIPMENT, COMPRISING ELECTRONIC DEVICES AND A CATHODE RAY DISPLAY SCREEN TO INDICATE A DETECTED OR MEASURED FREQUENCY.
Claims use since Jan. 28, 1943.

Ser. No. 475,068. PANORAMIC RADIO CORPORATION, New York, N. Y. and elsewhere. Filed Oct. 7, 1944.

PANORADIO

FOR ELECTRICAL FREQUENCY DETECTING OR MEASURING EQUIPMENT, COMPRISING ELECTRONIC DEVICES AND A CATHODE RAY DISPLAY SCREEN TO INDICATE A DETECTED OR MEASURED FREQUENCY.
Claims use since July 3, 1942.

Ser. No. 475,069. PANORAMIC RADIO CORPORATION, New York, N. Y. and elsewhere. Filed Oct. 7, 1944.

PANOSCOPE

FOR ELECTRICAL FREQUENCY DETECTING OR MEASURING EQUIPMENT, COMPRISING ELECTRONIC DEVICES AND A CATHODE RAY DISPLAY SCREEN TO INDICATE A DETECTED OR MEASURED FREQUENCY.
Claims use since Nov. 24, 1942.

Ser. No. 477,606. FOLLSAIN METALS LTD., Lutterworth, near Rugby, England. Filed Dec. 15, 1944.

PENETRAL

Applicant disclaims the right to the exclusive use of the cut section of the metal tube. The lining shown on the drawing indicates shading only.
FOR OUTER CASING OF SHIPS PATENT LOGS.
Claims use since June 1, 1935.

Ser. No. 481,096. JAMES H. CANNON, doing business as Cannon Electric Development Company, Los Angeles, Calif. Filed Mar. 20, 1945.

CANNON

FOR ELECTRICAL EQUIPMENT AND PARTS THEREFOR—NAMELY, ELAPSED TIME RECORDERS IN THE FORM OF DEVICES FOR MEASURING THE PASSAGE OF TIME AFTER SIGNALS, AND EXPERIMENTAL PANELS AND SWITCHBOARDS ADAPTED FOR USE IN SCHOOLS AND LABORATORIES AND CARRYING VARIOUS KINDS OF ELECTRICAL EQUIPMENT, SUCH AS PLUGS AND CONNECTORS, AND PARTICULARLY CARRYING INSTRUMENTS FOR MEASURING AND VARYING ELECTRIC CURRENTS, SUCH AS METERS AND TRANSFORMERS.
Claims use since 1920.

Ser. No. 481,097. JAMES H. CANNON, doing business as Cannon Electric Development Company, Los Angeles, Calif. Filed Mar. 20, 1945.

DO IT ELECTRICALLY JC

The words "Do It Electrically" are disclaimed apart from the mark.
FOR ELECTRICAL EQUIPMENT AND PARTS THEREFOR—NAMELY, ELAPSED TIME RECORDERS IN THE FORM OF DEVICES FOR MEASURING THE PASSAGE OF TIME AFTER SIGNALS, AND EXPERIMENTAL PANELS AND SWITCHBOARDS ADAPTED FOR USE IN SCHOOLS AND LABORATORIES AND CARRYING VARIOUS KINDS OF ELECTRICAL EQUIPMENT, SUCH AS PLUGS, AND CONNECTORS, AND PARTICULARLY CARRYING INSTRUMENTS FOR MEASURING AND VARYING ELECTRIC CURRENTS, SUCH AS METERS AND TRANSFORMERS.
Claims use since 1920.

Ser. No. 481,098. JAMES H. CANNON, doing business as Cannon Electric Development Company, Los Angeles, Calif. Filed Mar. 20, 1945.

JC CANNON

FOR ELECTRICAL EQUIPMENT AND PARTS THEREFOR—NAMELY, ELAPSED TIME RECORDERS IN THE FORM OF DEVICES FOR MEASURING THE PASSAGE OF TIME AFTER SIGNALS, AND EXPERIMENTAL PANELS AND SWITCHBOARDS ADAPTED FOR USE IN SCHOOLS AND LABORATORIES AND CARRYING VARIOUS KINDS OF ELECTRICAL EQUIPMENT, SUCH AS PLUGS, AND CONNECTORS, AND PARTICULARLY CARRYING INSTRUMENTS FOR MEASURING AND VARYING ELECTRIC CURRENTS, SUCH AS METERS AND TRANSFORMERS.
Claims use since 1920.

Ser. No. 493,486. GENERAL RADIO COMPANY, Cambridge, Mass. Filed Dec. 18, 1945.

STROBOLUX

FOR STROBOSCOPES.
Claims use since 1938.

Ser. No. 494,215. GRANT PHOTO PRODUCTS, INC., New York, N. Y. Filed Jan. 3, 1946.

Grancolor

Applicant is the owner of Reg. No. 383,459.
FOR SENSITIZED FILM AND PHOTOGRAPHIC PAPER.
Claims use since Dec. 12, 1945.

Ser. No. 494,721. TERRYTOONS, INC., New Rochelle, N. Y. Filed Jan. 12, 1946.

TERRY TOONS

Applicant is the owner of Reg. No. 273,389. The exclusive use of the surname "Terry" is disclaimed apart from the mark.
FOR MOTION PICTURE FILMS OF ANIMATED CARTOONS WITH SYNCHRONIZED SOUND TRACK THEREON.
Claims use since Feb. 23, 1930.

Ser. No. 494,955. DASSONVILLE CO., LTD., New York, N. Y. Filed Jan. 18, 1946.

DASSONVILLE CO. LTD.

No claim is made to the words "Dassonville Co. Ltd." apart from the mark.
FOR LIGHT SENSITIZED PHOTOGRAPHIC PAPER FOR PROJECTION PRINTING.
Claims use since Dec. 27, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 488,710. SOCIETE ANONYME DE LA MANUFACTURE D'HORLOGERIE AUDEMARS PIGUET & CIE, Le Brasus, Switzerland. Filed Sept. 19, 1945.

AUDIGUET

FOR TIME PIECES—NAMELY, WATCHES, CLOCKS, MOVEMENTS AND PARTS USED IN WATCHES AND CLOCKS.
Claims use since June 19, 1945.

Ser. No. 491,424. MOVADO WATCH AGENCY, INC., New York, N. Y. Filed Nov. 10, 1945.

TEMPOMATIC

FOR WATCHES.
Claims use since Oct. 9, 1945.

Ser. No. 499,266. PARKER WATCH COMPANY, New York, N. Y. Filed Mar. 29, 1946.

DECATHLON

FOR WATCHES AND PARTS THEREOF.
Claims use since Feb. 1, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 488,368. REVOC, INC., New York, N. Y. Filed Sept. 12, 1945.



The picture shown is fanciful.

FOR JEWELRY FOR PERSONAL ADORNMENT (NOT INCLUDING WATCHES)—NAMELY, BAR PINS, LAPEL PINS, BROOCHES, FINGER RINGS, EARRINGS, WRIST BRACELETS, ANKLE BRACELETS, CHARMS, CHOKERS, NECKLACES AND HAIR ORNAMENTS.

Claims use since July 18, 1945.

Ser. No. 494,798. THE ROBBINS COMPANY, Attleboro, Mass. Filed Jan. 15, 1946.



FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT (NOT INCLUDING WATCHES) AND THE FOLLOWING ARTICLES MADE OF OR PLATED WITH PRECIOUS OR SEMI-PRECIOUS METAL: FRATERNAL PINS, ORNAMENTAL PINS, FRATERNAL BUTTONS, BELT BUCKLES, CHARMS, FRATERNAL RINGS, ORNAMENTAL RINGS, TIE CLIPS, MEDALLIONS, SOUVENIR SPOONS, FRATERNAL BARS AND PENDANTS, BANDANA HOLDERS, MEDAL AWARDS, BRACELETS, KEY TAGS, AND WATCH FOBS.

Claims use since Dec. 26, 1945.

Ser. No. 495,593. CRAFT PRECISION COMPANY, Los Angeles, Calif. Filed Jan. 29, 1946.

JUNGLE

FOR COSTUME JEWELRY.

Claims use since Jan. 16, 1946.

Ser. No. 497,020. I. FREEMAN & SON, INC., New York, N. Y. Filed Feb. 21, 1946.

YEOMAN PLATE

The word "plate" is disclaimed apart from the mark.

FOR SILVER FLATWARE AND HOLLOW WARE.

Claims use since Jan. 15, 1945.

Ser. No. 497,167. CAVU COMPANY, Downey, Calif. Filed Feb. 25, 1946.

CAVU

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, BRACELETS AND CHOKERS.

Claims use since Oct. 22, 1945.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 498,876. AFFILIATED RETAILERS, INC., New York, N. Y. Filed Mar. 25, 1946.

ARLITE

FOR MEN'S, WOMEN'S, AND CHILDREN'S HAIR BRUSHES.

Claims use since Jan. 2, 1946.

Ser. No. 499,595. AFFILIATED RETAILERS, INC., New York, N. Y. Filed Apr. 4, 1946.

ARNYLE

FOR MEN'S, WOMEN'S, AND CHILDREN'S TOOTH BRUSHES.

Claims use since Feb. 15, 1946.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 482,728. BUFFALO POTTERY INCORPORATED, Buffalo, N. Y. Filed Apr. 28, 1945.

LAMELLÉ

FOR VITREOUS CHINA DINNERWARE.

Claims use since Mar. 15, 1932.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 489,036. ARTHUR BROWN, New York, N. Y. Filed Sept. 27, 1945.

A DIAMOND CREATION

The word "Creation" is disclaimed apart from the mark.

FOR MIRRORED PICTURE FRAMES, MIRRORED BARS, MIRRORED SHOW CASES, MIRRORED END TABLES, AND MIRRORED COUNTER DISPLAY STANDS.

Claims use since Oct. 9, 1944.

Ser. No. 500,265. WESTERN CAROLINA FURNITURE COMPANY, Hickory, N. C. Filed Apr. 15, 1946.

The Princess

FOR UPHOLSTERED LIVING ROOM CHAIRS.

Claims use since Mar. 26, 1946.

Ser. No. 500,453. AIRWAY FINISHING CORPORATION, Chicago, Ill. Filed Apr. 18, 1946.

AIRWAY

FOR METAL DISPLAY SHELVES.

Claims use since Apr. 29, 1937.

Ser. No. 501,612. U. S. STEEL FURNITURE MFG. CORP., New York, N. Y. Filed May 7, 1946.

PLASTICON

FOR TABLE TOPS FOR KITCHEN, DINETTE, AND RESTAURANT TABLES.

Claims use since Mar. 1, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 482,695. MOTOR WHEEL CORPORATION, Lansing, Mich. Filed Apr. 27, 1945.

DUO-THERM

Applicant is the owner of registration No. 332,330., registered Feb. 11, 1936.

FOR OIL BURNING WATER HEATERS, OIL BURNING FURNACES, COOKING STOVES AND RANGES OPERATED EITHER BY GAS OR OIL, COOKING STOVES AND RANGES OPERATED EITHER BY OIL OR ELECTRICITY.

Claims use since Dec. 23, 1935, on water heaters; since Aug. 29, 1936, on furnaces; and since Oct. 15, 1937, on cooking ranges.

Ser. No. 495,525. THE SWARTWOUT COMPANY, Cleveland, Ohio. Filed Jan. 26, 1946.

AIRJECTOR

FOR ROOF VENTILATORS, POWER DRIVEN FAN VENTILATORS, AND ROTARY ROOF VENTILATORS HAVING EXHAUST FANS.

Claims use since Oct. 16, 1945.

Ser. No. 497,628. A. G. REDMOND CO., Owosso, Mich., assignor to Redmond Company, Inc., Owosso, Mich., a corporation of Michigan. Filed Mar. 4, 1946.



No claim is made for the name "Redmond" apart from the mark. The drawing is lined for shading.

FOR ELECTRIC MOTOR DRIVEN BLOWERS FOR HEATING AND VENTILATING PURPOSES.

Claims use since Aug. 15, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 478,784. CHICAGO SHOW PRINTING COMPANY, Chicago, Ill. Filed Jan. 19, 1945.

MYSTIK

FOR PAPER AND CLOTH TAPES AND SHEETS COATED ON THE BACK WITH A PRESSURE-SENSITIVE ADHESIVE COATING, USED FOR COVERING, MASKING, BINDING AND SECURING ARTICLES, AND PAPER AND CLOTH BLANK LABELS AND OIL CHANGE TABS COATED ON THE BACK WITH A PRESSURE-SENSITIVE ADHESIVE COATING.

Claims use since Jan. 1, 1935.

Ser. No. 491,315. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C. Filed Nov. 9, 1945.

PARQUET

FOR BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS.

Claims use since Aug. 31, 1939.

Ser. No. 491,991. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Nov. 21, 1945.

Mistlon

FOR SHEET MATERIAL SOLD IN CUT LENGTHS OF VARIOUS SIZES, IN THE FORM OF ROLLS, FLAT SHEETS, ETC., MADE OF PLASTIC FIBERS LAID IN FELTED OR MESHED FASHION, USED TO SOME EXTENT AS A PAPER SUBSTITUTE FOR PACKAGING, WRAPPING, TYING, DRAPING, DECORATING, ETC., AND ALSO FOR WIPING LENSES, ETC.

Claims use since September 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 483,913. NORCROSS, New York, N. Y. Filed May 29, 1945.

BUTCH

FOR GREETING CARDS AND GREETING FOLDERS, BOOKLETS OF CHILDREN'S STORIES, CALENDARS AND DECORATIVE PRINTED TAGS.
Claims use since May 18, 1945.

CLASS 39

CLOTHING

Ser. No. 486,388. SAM ROTHBART, doing business as Juliette Frocks, Chicago, Ill. Filed July 27, 1945.



The portrait is fanciful.
FOR LADIES' DRESSES.
Claims use since Jan. 1, 1938.

Ser. No. 487,364. HYMAN HELFAND, doing business as Hyman Helfand Shoe Co., New York, N. Y. Filed Aug. 21, 1945.

ATOMIC

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES, SANDALS, AND SLIPPERS MADE OF FABRIC, LEATHER, RUBBER, AND COMBINATIONS THEREOF.
Claims use since Aug. 10, 1945.

Ser. No. 487,695. L. WOHL & COMPANY, New York, N. Y. Filed Aug. 28, 1945.

Kate Greenaway

LITTLE TEEN

The name "Kate Greenaway" is the name of a famous English artist, author, and illustrator, now deceased. The words "Little Teen" are not claimed apart from the mark.
FOR CHILDREN'S DRESSES, BLOUSES, AND SKIRTS.
Claims use since Aug. 1, 1945.

Ser. No. 489,710. CALVIN BEAN, doing business as Ideal Shirt Company, Sykesville, Pa. Filed Oct. 10, 1945.



The outline map of the United States is disclaimed.
FOR MEN'S OUTER SHIRTS.
Claims use since 1932.

Ser. No. 494,314. DONNYBROOK COAT AND SUIT CO., New York, N. Y. Filed Jan. 5, 1945.

DONNY JUNIOR

The word "Junior" is disclaimed apart from the mark.
FOR MISSES' AND JUNIOR MISSES' COATS, SUITS, JACKETS, SKIRTS, AND COAT AND SUIT ENSEMBLES.
Claims use since Aug. 1, 1944.

Ser. No. 496,103. RHINE UNDERGARMENT COMPANY, New York, N. Y. Filed Feb. 6, 1946.

RHINELINE

FOR LADIES' AND CHILDREN'S PANTIES, POLO SHIRTS, SLIPS, NIGHTGOWNS, AND PAJAMAS.
Claims use since Jan. 24, 1946.

Ser. No. 498,216. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Mar. 14, 1946.

Bobolink

FOR HOSIERY.
Claims use since July 21, 1923.

Ser. No. 498,634. JOSIE LINGERIE, A CORPORATION, New York, N. Y. Filed Mar. 20, 1946.

TEENIOR

FOR CERTAIN ARTICLES OF CLOTHES FOR WOMEN AND GIRLS—NAMELY, SLIPS, NIGHTGOWNS, AND PAJAMAS.
Claims use since Nov. 17, 1945.

Ser. No. 499,105. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa. Filed Mar. 28, 1946.

Blossom

FOR LADIES' AND KIDDIES' PANTIES AND BRIEFS.
Claims use since Apr. 2, 1942.

Ser. No. 500,311. KORET OF CALIFORNIA INC., San Francisco, Calif. Filed Apr. 16, 1946.

DECOY

FOR GIRLS' AND WOMEN'S SUITS AND PLAYSUITS.
Claims use since Feb. 28, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 486,049. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Filed July 20, 1945. Under section 5b of the act of 1905 as amended in 1920.

LORRAINE

FOR DRESS SHIELDS.
Claims use since June 1882; and for dress shields since Jan. 15, 1940.

Ser. No. 496,000. THE UNION PIN COMPANY, Winsted, Conn. Filed Feb. 4, 1946.

SAPPHIRE

FOR COMMON PINS MADE OF BRASS OR STEEL, EITHER PLATED OR NOT PLATED
Claims use since 1912.

Ser. No. 496,573. RICHMOND-PHILLIPS, New York, N. Y. Filed Feb. 14, 1946.

Fleur de Barbezon

FOR SACHET ARTICLES—NAMELY, SACHET PILLOWS HAVING POCKETS FOR HOLDING ARTICLES, SACHET PADS, MINIATURE BEDS CONTAINING SACHET PILLOWS AND TRIMMINGS, SACHET NOVELTIES FOR DECORATIVE PURPOSES, AND DECORATIVE BALLS, TASSELS AND ORNAMENTS.
Claims use since Dec. 15, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 487,778. MURRAY W. GROSS, New York, N. Y., assignor to Murray W. Gross & Co., Inc., New York, N. Y., a corporation of New York. Filed Aug. 30, 1945.

SCOTMOOR

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since June 1, 1945.

Ser. No. 490,825. RALPH S. HARTE, San Francisco, Calif. Filed Oct. 31, 1945.

Fantasy

FOR THIN TRANSPARENT OR TRANSLUCENT SHEETS OR FILMS OF POLYVINYL CHLORIDE RESIN SOLD AS PIECE GOODS FOR USE IN MAKING SHOWER CURTAINS, BATHROOM CURTAINS, APRONS, PILLOW CASES, BABY GARMENTS, RAIN COATS, AND THE LIKE.
Claims use since Aug. 1, 1945.

Ser. No. 490,829. RALPH S. HARTE, San Francisco, Calif. Filed Oct. 31, 1945.

Cordtone

FOR THIN TRANSPARENT OR TRANSLUCENT SHEETS OR FILMS OF POLYVINYL CHLORIDE RESIN SOLD AS PIECE GOODS FOR USE IN MAKING SHOWER CURTAINS, BATHROOM CURTAINS, APRONS, PILLOW CASES, BABY GARMENTS, RAIN COATS AND THE LIKE.
Claims use since Aug. 1, 1945.

Ser. No. 491,382. ASHER & BORETZ, INC., New York, N. Y. Filed Nov. 10, 1945.

VYLAB

FOR WOVEN COTTON FABRICS IN THE GREIGE, BLEACHED OR DYED AND COATED WITH A VINYL PLASTIC COATING, AND EMBOSSED IN DIFFERENT PATTERNS.
Claims use since June 1, 1944.

Ser. No. 493,261. N. ERLANGER, BLUMGART & CO. INC., New York, N. Y. Filed Dec. 14, 1945.



The faces shown are fanciful and not those of living individuals.

FOR FABRICS IN THE PIECE MADE OF FIBRES OF RAYON, COTTON, SILK, WOOL, AND MIXTURES THEREOF.

Claims use since Oct. 1, 1945.

Ser. No. 495,219. DUPLEX FABRICS CORPORATION, New York, N. Y. Filed Jan. 23, 1946.

La Riche

FOR RAYON PIECE GOODS.

Claims use since Dec. 1, 1938.

Ser. No. 496,168. PAUL SCHWARTZ, New York, N. Y. Filed Feb. 7, 1946.

VALOVER

FOR WINDOW DRAPES AND HANGINGS.

Claims use since Sept. 1, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 492,562. SAMUEL HOLLANDER, Cleveland, Ohio. Filed Dec. 3, 1945.

CENTRICULATOR

FOR INSTRUMENTS USED TO CHECK INTERMAXILLARY RELATIONSHIP OF DENTURES.

Claims use since Nov. 12, 1945.

Ser. No. 495,765. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Jan. 31, 1946.

Formo-Met

FOR ARCH SUPPORTS.

Claims use since Aug. 1, 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 476,556. THE FISHERY COUNCIL, New York, N. Y. Filed Nov. 17, 1944. Under the act of February 20, 1905, as amended June 10, 1938.



FOR FRESH FISH, CANNED FISH, FROZEN FISH, DRIED FISH, SMOKED FISH, SALTED FISH, PICKLED FISH AND SHREDDED FISH.

Claims use since November 1942.

Ser. No. 489,596. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif. Filed Oct. 8, 1945. Under act of February 20, 1905, as amended June 10, 1938.

SIERRA-CREST

FOR FRESH CITRUS FRUITS.

Claims use since Dec. 1, 1923.

Ser. No. 489,997. VALLEY VIEW PACKING COMPANY, San Jose, Calif. Filed Oct. 15, 1945.

VALLEY-VIEW

FOR DRIED FRUITS, RAISINS, AND CURRANTS.

Claims use since 1890.

Ser. No. 490,170. BRISTOL-MYERS COMPANY, New York, N. Y. Filed Oct. 19, 1945.

BONE-ETS

FOR FOOD SUPPLEMENT IN THE FORM OF SMALL BLOCKS CONTAINING BREWER'S YEAST WITH A SALT MIXTURE FOR DOGS AND OTHER SMALL ANIMALS.

Claims use since Aug. 6, 1945.

Ser. No. 490,487. GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass. Filed Oct. 25, 1945.

SPRING CHICKEN

The applicant disclaims use of the word "Chicken" except in connection with the mark.

FOR SALTED CODFISH.

Claims use since Nov. 11, 1908.

Ser. No. 492,533. JAMES A. WILLIAMS, doing business as Bill Williams Chicken House, Houston, Tex. Filed Dec. 1, 1945.



The words "Style Fried Chicken" are disclaimed when used apart from the mark.

FOR FRIED CHICKEN.

Claims use since Nov. 15, 1945.

Ser. No. 492,812. JEANNETTE R. ZUSSMAN, doing business as Interstate Popcorn Co., Boston, Mass. Filed Dec. 6, 1945.



Conventional illustration of popcorn balls is disclaimed apart from the mark.

FOR POPCORN IN ITS NATURAL STATE AND POPPED POPCORN PLAIN, BUTTERED, CANDIED, AND/OR IN THE FORM OF POPCORN BARS OR POPCORN BALLS.

Claims use since Sept. 1, 1945.

Ser. No. 492,861. SHIPPERS SALES SERVICE, Nogales, Ariz. Filed Dec. 7, 1945.



The picture is that of Pamela Parks, the granddaughter of F. W. Parks, a partner of the applicant, consent given.

FOR FRESH VEGETABLES—NAMELY, TOMATOES.

Claims use since Mar. 22, 1945.

Ser. No. 495,157. STANDARD MILLING COMPANY, New York, N. Y., assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois. Filed Jan. 21, 1946.



The applicant is the owner of registrations 48,464, 320,826, and 378,960. The representation of the boy is fanciful and the drawing is lined for shading only.

FOR WHEAT FLOUR.

Claims use since about October 1895.

Ser. No. 496,121. AYERST, MCKENNA & HARRISON LIMITED, New York, N. Y. Filed Feb. 7, 1946.

PRENZIGEST

FOR PROTEIN DIGEST PRODUCT.

Claims use since Dec. 10, 1945.

Ser. No. 496,236. G. N. HANGE, Chicago, Ill. Filed Feb. 8, 1946.



Applicant disclaims exclusive right to the words "Butter" and "Delectable Candies" per se.

FOR CANDIES.

Claims use since Dec. 14, 1945.

Ser. No. 497,139. THE THEOBALD INDUSTRIES, Kearny and Harrison, N. J. Filed Feb. 23, 1946.

QUADBERGER

FOR DOG FOOD.
Claims use since Feb. 4, 1946.

Ser. No. 497,192. PARROTT & Co., San Francisco, Calif. Filed Feb. 25, 1946.

VALLEY BELT

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since Apr. 1, 1915.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 473,945. RICHARD HUDNUT, New York, N. Y. Filed Sept. 7, 1944.

Beauty on Parade

The term "Beauty" is disclaimed except in connection with the mark as shown.

FOR COSMETIC KITS CONTAINING THE FOLLOWING: FOUNDATION LOTION, SKIN FRESHENER, BEAUTY CAKE MAKE-UP, EYE SHADOW, CREAM ROUGE, FACE POWDER, LIPSTICK, SPECIAL SKIN CREAM, CLEANSING CREAM FOR DRY SKIN AND CLEANSING TISSUES.

Claims use since Aug. 25, 1944.

Ser. No. 487,833. ZADEK FELDSTEIN CO., INC., New York, N. Y. Filed Aug. 31, 1945.

Snow Baby

No claim is made to the word "Baby" apart from the mark.

FOR PLASTIC FEEDING SETS CONSISTING OF A SPOON, FORK, PLATE, BOWL, MUG, AND TUMBLER.
Claims use since March 1942.

Ser. No. 493,120. HILCO INCORPORATED, St. Louis, Mo. Filed Dec. 12, 1945.

hilco

FOR PERMANENT WAVE KITS CONSISTING OF FLUID LOTION, FLUID NEUTRALIZER, PAPER CAP AND HAIR RETENTION PAPERS FOR USE IN GIVING SO-CALLED PERMANENT WAVES TO THE HUMAN HAIR.

Claims use since Sept. 25, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 3, 1946

423,426. RUBBER TOYS. TILLOTSON RUBBER CO., INC., Needham Heights, Mass.
Filed April 22, 1940, Serial No. 431,096. PUBLISHED JULY 2, 1940. Class 22.

423,427. FRESH VEGETABLES. FRED W. RUSH, doing business as Fred W. Rush Co., Los Angeles, Calif.
Filed December 20, 1943. Serial No. 465,929. PUBLISHED JANUARY 22, 1946. Class 46.

423,428. CANVAS PRODUCTS—NAMELY, ASH BAGS; BAGS FOR STORING CLOTHING AND OTHER ITEMS—NAMELY, BARRACK BAGS, ETC. KAMEN PRODUCTS CO., INC., New York and Brooklyn, N. Y.
Filed January 27, 1944. Serial No. 466,916. PUBLISHED JUNE 11, 1946. Class 2.

423,429. SEWING THREAD. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed March 2, 1944. Serial No. 467,911. PUBLISHED MAY 28, 1946. Class 43.

423,430. COMPACT AND VANITY CASES, CASES FOR EYEGLASSES, CASES FOR HOLDING WATCHES AND CLOCKS, SOLD EMPTY AND MADE OF BASE AND/OR PLASTIC MATERIALS. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y., assignor to Simon Edmund Knee, New York, N. Y.
Filed April 21, 1944. Serial No. 469,529. PUBLISHED NOVEMBER 14, 1944. Class 2.

423,431. COAL. RED JACKET COAL SALES COMPANY, Columbus, Ohio.
Filed April 28, 1944. Serial No. 469,784. PUBLISHED NOVEMBER 14, 1944. Class 1.

423,432. MOTION PICTURE FILMS PREPARED FOR TELECASTING. RKO TELEVISION CORPORATION, Dover, Del., and New York, N. Y.
Filed August 17, 1944. Serial No. 473,396. PUBLISHED JUNE 11, 1946. Class 26.

423,433. ELECTRICAL MOTORS, DYNAMOTORS, SPEED CONTROLLERS OF THE REACTANCE TYPE FOR ELECTRICAL MOTORS, ETC. A. G. REDMOND CO., Owosso, Mich., assignor to Redmond Company, Inc., Owosso, Mich., a corporation of Michigan.
Filed September 13, 1944. Serial No. 474,178. PUBLISHED MAY 28, 1946. Class 21.

423,434. MATERIAL TREATING MACHINES FOR DESTROYING INSECT LIFE BY MECHANICAL ACTION BY IMPACTING OR OTHERWISE ENGAGING PARTICLES OF THE INSECT LIFE IN A FLOWING STREAM OF THE MATERIAL, ETC. THE SAFETY CAR HEATING AND LIGHTING COMPANY, INC., New York, N. Y.
Filed November 23, 1944. Serial No. 476,818. PUBLISHED MAY 28, 1946. Class 23.

423,435. GAME DEVICES COMPRISING A BOARD WITH INDICIA THEREON AND A SUSPENDED POINTER MOVABLE OVER THE BOARD. ALFRED ARNOLD REES, West Haven, Conn.
Filed November 27, 1944. Serial No. 476,927. PUBLISHED JUNE 11, 1946. Class 22.

423,436. MACHINES FOR THE SEPARATION OF THE ELEMENTS AND CLARIFICATION OF MILK, FRUIT JUICES, MOLASSES, YEAST, STARCH, AND OIL. COLUMBIA MACHINE WORKS, INC., Brooklyn, N. Y.
Filed December 2, 1944. Serial No. 477,140. PUBLISHED JUNE 18, 1946. Class 23.

423,437. UNITARY PORTABLE AUTOMOTIVE SERVICING APPARATUS, COMPRISING LUBRICANT AND AIR TANKS, PUMPS, ETC. LINCOLN ENGINEERING COMPANY, St. Louis, Mo.
Filed December 26, 1944. Serial No. 477,937. PUBLISHED JUNE 18, 1946. Class 23.

423,438. FLEXIBLE METAL HOSE. BENDIX AVIATION CORPORATION, Teterboro, N. J.
Filed January 5, 1945. Serial No. 478,266. PUBLISHED JUNE 11, 1946. Class 35.

423,439. REFRIGERATION CONTROLS—NAMELY, EXPANSION VALVES FOR CONTROL OF DELIVERY OF LIQUID REFRIGERANT TO AN EVAPORATOR, ETC. SPORLAN VALVE COMPANY, Maplewood, Mo.
Filed January 5, 1945. Serial No. 478,296. PUBLISHED JUNE 18, 1946. Class 31.

423,440. STOCK HANDLING MACHINERY—NAMELY, GRABS, HOISTS, CRANES, GRAPPLES, AND BELT, CHAIN, AND ROLLER CONVEYORS, AND PARTS THEREOF. J. B. ENGINEERING SALES COMPANY, New Haven, Conn.
Filed January 10, 1945. Serial No. 478,456. PUBLISHED MAY 21, 1946. Class 23.

423,441. SYNTHETIC RUBBER SLEEVES FOR ELECTRIC INSULATING PURPOSES. HELLERMANN ELECTRIC LIMITED, Oxford, England.
Filed January 24, 1945. Serial No. 478,954. PUBLISHED JUNE 11, 1946. Class 21.

423,442. PUMPS—NAMELY, POWER WATER PUMPS USED FOR ALL TYPES OF PUMPING WHERE SUCTION LIFT IS REQUIRED. MARLOW PUMPS, Wortendyke, N. J.
Filed January 27, 1945. Serial No. 479,081. PUBLISHED JUNE 11, 1946. Class 23.

423,443. CANDY. PAN-AMERICAN CANDY CO., Ashely, Ill.
Filed January 29, 1945. Serial No. 479,140. PUBLISHED APRIL 17, 1945. Class 46.

423,444. HAND SUPPORTED AND CONTROLLED ELECTRIC POWER DRIVEN SHEARS FOR CUTTING METAL, LEATHER, CELLULOID, CARDBOARD, AND THE LIKE. THE BLACK AND DECKER MANUFACTURING COMPANY, Towson, Md.
Filed February 1, 1945. Serial No. 479,274. PUBLISHED OCTOBER 23, 1945. Class 21.

423,445. FRESH MILK, CREAM, BUTTERMILK, AND CHOCOLATE MILK DRINK AND DAIRY ORANGEADE, BOTH OF THE LATTER BEING SOLD AS FOOD BEVERAGES. SOUTHERN DAIRIES, INC., Washington, D. C.
Filed February 19, 1945. Serial No. 479,998. PUBLISHED JUNE 4, 1946. Class 46.

423,446. JAWS FOR ELECTRODE HOLDERS AND CONTACT MEMBERS FOR ELECTRICAL EQUIPMENT GENERALLY. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio.
Filed March 19, 1945. Serial No. 481,073. PUBLISHED JUNE 4, 1946. Class 21.

423,447. KALEIDOSCOPIC DISCS FOR KALEIDOSCOPIC PROJECTORS. TELEVISION ASSOCIATES, INC., Chicago, Ill.
Filed March 29, 1945. Serial No. 481,501. PUBLISHED JUNE 18, 1946. Class 26.

423,448. PHOTOSENSITIVE TRANSFERS, COMPRISING BACKING SHEETS HAVING PHOTOSENSITIVE COATINGS DETACHABLY MOUNTED THEREON AND ADAPTED TO BE TRANSFERRED TO OTHER SURFACES. THE DI-NOC COMPANY, Cleveland, Ohio.
Filed April 9, 1945. Serial No. 481,887. PUBLISHED JUNE 18, 1946. Class 26.

423,449. X-RAY APPARATUS FOR THE MAKING OF X-RAY EXPOSURES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa., and Baltimore, Md., now by change of name Westinghouse Electric Corporation, a corporation of Pennsylvania.
Filed April 14, 1945. Serial No. 482,186. PUBLISHED SEPTEMBER 18, 1945. Class 21.

423,450. CLEAN MILLED RICE. SOUTHERN RICE SALES COMPANY, INC., New York, N. Y.
Filed April 21, 1945. Serial No. 482,445. PUBLISHED JULY 17, 1945. Class 46.

423,451. CORK SCREWS. JOHN HENRY MILLER, Baltimore, Md.
Filed April 24, 1945. Serial No. 482,539. PUBLISHED JUNE 11, 1946. Class 23.

423,452. LAWN MOWERS. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn.
Filed May 4, 1945. Serial No. 482,960. PUBLISHED MAY 21, 1946. Class 23.

423,453. WORK SUPPORTING MEMBERS AND LABEL GUIDES FOR USE AS PARTS OF LABELING MACHINES. ROGER B. WHITE, Cleveland Heights, Ohio.
Filed May 17, 1945. Serial No. 483,504. PUBLISHED MAY 28, 1946. Class 23.

423,454. ASSEMBLY IN THE NATURE OF A KIT OF PAPER WRAPPING AND PACKAGING MATERIALS IN VARIOUS FORM FOR COMPLETELY PACKAGING A PRODUCT, ETC. YORKVILLE PAPER CO. INC., New York, N. Y.
Filed May 25, 1945. Serial No. 483,799. PUBLISHED JUNE 11 1946. Class 37.

423,455. SEWING NEEDLES FOR HAND USE. D. ACKERMAN & SONS LTD., Edgware, Middlesex, England.
Filed May 26, 1945. Serial No. 483,803. PUBLISHED MAY 28, 1946. Class 40.

423,456. MACHINE TOOL CUTTERS—NAMELY, MILLING CUTTERS, AND ALSO FOR GEARS. ARTHUR MACKMANN, doing business as A. Mackmann Tool & Engineering Company, Chicago, Ill.
Filed May 26, 1945. Serial No. 483,828. PUBLISHED NOVEMBER 27, 1945. Class 23.

423,457. SELF-RETAINING ELECTRODES USED IN ELECTRO-SURGICAL APPARATUS. THE BIERCHER CORPORATION, Los Angeles, Calif.
Filed June 4, 1945. Serial No. 484,117. PUBLISHED JUNE 11, 1946. Class 44.

423,458. ELECTRO-MAGNETS. HANCHETT MANUFACTURING CO., Big Rapids, Mich.
Filed June 4, 1945. Serial No. 484,128. PUBLISHED MAY 28, 1946. Class 21.

423,459. AUTOMOBILE TAIL PIPE EXTENSION. LEO LYONS, doing business as Lyons Products Co., Los Angeles, Calif.
Filed June 18, 1945. Serial No. 484,692. PUBLISHED JUNE 11, 1946. Class 23.

423,460. PLASTIC BURIAL VAULTS AND PLASTIC BURIAL URNS. METALLIN PRODUCTS COMPANY, Jamaica, N. Y.
Filed June 18, 1945. Serial No. 484,694. PUBLISHED JUNE 18, 1946. Class 2.

423,461. ELECTRIC SWITCHES, ELECTRIC SWITCH HOUSINGS, AND OVERTRAVEL ACTUATORS FOR SWITCHES. FIRST INDUSTRIAL CORPORATION, Freeport, Ill.
Filed June 19, 1945. Serial No. 484,738. PUBLISHED MAY 28, 1946. Class 21.

423,462. PARTIALLY PRINTED PUNCHED CARDS. CHARLES R. HADLEY COMPANY, Los Angeles, Calif.
Filed June 19, 1945. Serial No. 484,741. PUBLISHED JUNE 18, 1946. Class 37.

423,463. PILE FABRIC FLOOR COVERINGS. BIGELOW-SANFORD CARPET CO., INC., Thompsonville, Conn.
Filed June 20, 1945. Serial No. 484,775. PUBLISHED MAY 28, 1946. Class 42.

423,464. METAL PLATES TO BE USED IN CONNECTION WITH CLEANING SOLUTIONS TO AID BY ELECTROLYTIC METHOD IN CLEANING, ETC. OAKITE PRODUCTS, INC., New York, N. Y.
Filed June 23, 1945. Serial No. 484,968. PUBLISHED JUNE 4, 1946. Class 21.

423,465. INDUSTRIAL CLEANING EQUIPMENT—NAMELY, PORTABLE AND STATIONARY STEAM CLEANING UNITS FOR USE IN CLEANING HEAVY MACHINERY IN STEEL MILLS, ETC. OAKITE PRODUCTS, INC., New York, N. Y.
Filed June 23, 1945. Serial No. 484,969. PUBLISHED JUNE 4, 1946. Class 23.

423,466. ELECTRICALLY OPERATED APPARATUS FOR MEASURING AND INDICATING THE CONCENTRATION OF CLEANING SOLUTIONS USED IN MECHANICAL WASHING EQUIPMENT. OAKITE PRODUCTS, INC., New York, N. Y.
Filed June 27, 1945. Serial No. 485,094. PUBLISHED JUNE 4, 1946. Class 26.

423,467. CANNED TOMATO PUREE. DINUBA CANNING CO., INC., Dinuba, Calif.
Filed July 2, 1945. Serial No. 485,332. PUBLISHED OCTOBER 23, 1945. Class 46.

423,468. GAUGING MEMBERS—NAMELY, PLUG AND RING GAUGE ELEMENTS OF ALL TYPES. NORMAN W. REDMER, doing business as United Precision Products Co., Chicago, Ill.
Filed July 9, 1945. Serial No. 485,601. PUBLISHED JUNE 18, 1946. Class 26.

423,469. PIECE GOODS OF WOOL, WOOL AND COTTON, AND WOOL AND RAYON. A. STEINAM COMPANY, INC., New York. N. Y.
Filed July 9, 1945. Serial No. 485,614. PUBLISHED MAY 28, 1946. Class 42.

423,470. CURTAIN SETS MADE OF PLASTIC FILM, CONSISTING OF SHOWERBATH CURTAINS AND BATHROOM WINDOW CURTAINS. A. L. SIEGEL CO., INC., New York, N. Y.
Filed July 10, 1945. Serial No. 485,659. PUBLISHED JUNE 18, 1946. Class 13.

423,471. FLUID OPERATED VEHICLE WINDOW OPERATORS. TRICO PRODUCTS CORPORATION, Buffalo, N. Y.
Filed July 16, 1945. Serial No. 485,894. PUBLISHED JUNE 18, 1946. Class 19.

423,472. POCKET TRANSITS. WM. AINSWORTH & SONS, INC., Denver, Colo.
Filed July 20, 1945. Serial No. 486,019. PUBLISHED JUNE 18, 1946. Class 26.

423,473. MOLDED PLASTIC ELECTRICAL PARTS—NAMELY, ELECTRODE SUPPORTS, LAMPHOLDER BASES, FRONT CASES FOR FUSES, ETC. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed July 21, 1945. Serial No. 486,117. PUBLISHED JUNE 18, 1946. Class 21.

423,474. MACHINE FOR USE IN WASHING GREASE FROM METAL PARTS BY SUBJECTING THEM TO AGITATION IN A BATH OF ACID COMPOUNDS. GRAY-MILLS CO., Evanston, Ill.
Filed July 25, 1945. Serial No. 486,250. PUBLISHED MAY 28, 1946. Class 23.

423,475. CANDIES AND CANDIED FRUITS. QUERENCIA ORCHARD, Cupertino, Calif.
Filed July 25, 1945. Serial No. 486,273. PUBLISHED JUNE 4, 1946. Class 46.

423,476. ELECTRICAL WIRE FOR USE IN MAKING RADIO TUBES. CALLITE TUNGSTEN CORPORATION, Union City, N. J.
Filed July 26, 1945. Serial No. 486,287. PUBLISHED MAY 28, 1946. Class 21.

423,477. TRACTORS. DEERE & COMPANY, Moline, Ill.
Filed July 26, 1945. Serial No. 486,296. PUBLISHED MAY 28, 1946. Class 23.

423,478. AGRICULTURAL CULTIVATORS. DEERE & COMPANY, Moline, Ill.
Filed July 26, 1945. Serial No. 486,297. PUBLISHED MAY 28, 1946. Class 23.

423,479. LIQUID FUEL FEEDING ASSEMBLIES AND FILTERS, PUMPS, AND OTHER PARTS THEREOF, USED IN HEATING APPARATUS. WITHAS MANUFACTURING COMPANY, Pocomoke City, Md.
Filed July 30, 1945. Serial No. 486,511. PUBLISHED JUNE 18, 1946. Class 34.

423,480. CANDY. THE SWEETS COMPANY OF AMERICA, INCORPORATED, doing business as The Sweets Company of America, Inc., Hudson, N. J.
Filed Aug. 10, 1945. Serial No. 487,013. PUBLISHED JANUARY 1, 1946. Class 46.

423,481. HIGH FREQUENCY INDUCTION HEATING EQUIPMENT AND PARTS THEREFOR—NAMELY, HIGH FREQUENCY GENERATORS, ELECTRICALLY DRIVEN COOLING SYSTEMS, AND INDUCTORS. INDUCTION HEATING CORPORATION, New York, N. Y.
Filed August 14, 1945. Serial No. 487,133. PUBLISHED JUNE 11, 1946. Class 21.

423,482. MINIATURE CLARINET INSTRUMENTS. PIONEER MUSICAL INSTRUMENT CO., Oak Park, Ill.
Filed August 17, 1945. Serial No. 487,205. PUBLISHED JUNE 4, 1946. Class 36.

423,483. TEXTILE THREAD GUIDES FOR NATURAL AND SYNTHETIC THREAD MANUFACTURE, GRINDING BALLS, WEARING PLATES FOR EQUIPMENT SUBJECT TO EXCESSIVE WEAR, ETC. UNITED STATES QUARRY TILE COMPANY, North Canton and East Sparta, Ohio, and Parkersburg, W. Va.
Filed August 17, 1945. Serial No. 487,227. PUBLISHED JUNE 11, 1946. Class 23.

423,484. FRICTION AND PYROPHORIC CIGAR, CIGARETTE AND PIPE LIGHTERS, AND PARTS FOR SUCH LIGHTERS. LESLIE L. ZUKMANN, New York, N. Y.
Filed August 23, 1945. Serial No. 487,491. PUBLISHED JANUARY 22, 1946. Class 34.

423,485. WOOLEN PIECE GOODS—NAMELY, KNITTED FLEECE FABRICS. WARREN FABRICS CO. INC., West Warren, Mass., and New York, N. Y.
Filed August 24, 1945. Serial No. 487,538. PUBLISHED MAY 28, 1946. Class 42.

423,486. PHOTOGRAPHIC MOUNTS AND ALBUMS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed August 28, 1945. Serial No. 487,675. PUBLISHED JUNE 11, 1946. Class 37.

423,487. PIECE GOODS OF COTTON, RAYON, OR COMBINATIONS OF COTTON AND RAYON. J. RICHMAN & CO., New York, N. Y.
Filed August 30, 1945. Serial No. 487,803. PUBLISHED JUNE 4, 1946. Class 42.

423,488. TOILET SEAT TRAINERS AND PLASTIC TOILET DEFLECTORS. ZADEK FELDSTEIN CO., INC., New York, N. Y.
Filed August 31, 1945. Serial No. 487,832. PUBLISHED JUNE 11, 1946. Class 13.

423,489. WIRE BRAID HYDRAULIC CONTROL AND INDUSTRIAL GREASE HOSE, AND ROTARY HOSE. THERMOID COMPANY, Trenton, N. J.
Filed August 31, 1945. Serial No. 487,877. PUBLISHED NOVEMBER 13, 1945. Class 35.

423,490. BELTS FOR SANITARY NAPKINS. SARAH A. HARRISON, Omaha, Nebr., assignor to James L. Younghusband, Chicago, Ill.
Filed September 10, 1945. Serial No. 488,219. PUBLISHED JUNE 18, 1946. Class 44.

423,491. CELLULOSE FIBER MIXTURES FOR USE IN WELL DRILLING FLUIDS. NATIONAL LEAD COMPANY, Sayreville, N. J., and New York, N. Y.
Filed September 10, 1945. Serial No. 488,249. PUBLISHED JUNE 11, 1946. Class 1.

423,492. DRAWING PAPER TO BE SOLD FOR MECHANICAL DRAWINGS. JAMES EDWARD PATRICK SULLIVAN, Dayton, Ohio.
Filed September 12, 1945. Serial No. 488,384. PUBLISHED JUNE 11, 1946. Class 37.

423,493. INFANT SLING SUPPORT ADAPTED TO BE WORN BY AN ADULT. GRACE BEIER, Washington, D. C.
Filed September 13, 1945. Serial No. 488,390. PUBLISHED JUNE 18. 1946. Class 19.

423,494. ELECTRIC FLUORESCENT LAMP LIGHTING FIXTURES. FLUORESCENT FIXTURES, INC., Milwaukee, Wis., now by change of name Kahn Manufacturing Co., Inc.
Filed September 14, 1945. Serial No. 488,459. PUBLISHED MAY 21, 1946. Class 21.

423,495. HYDRAULIC VALVE ACTUATORS FOR POWER OPERATION OF GATE VALVES. BENDIX AVIATION CORPORATION, North Hollywood, Calif.
Filed September 17, 1945. Serial No. 488,564. PUBLISHED JUNE 11, 1946. Class 23.

423,496. COOKING AND SALAD OILS CONSISTING OF A BLEND OF VEGETABLE OILS. CENTRAL WHOLESALE GROCERS, INC., Worcester, Mass.
Filed September 17, 1945. Serial No. 488,571. PUBLISHED JUNE 4, 1946. Class 46.

423,497. BUILT-IN, TRACK-ATTACHED, MECHANICAL LUBRICATING APPARATUS OPERATED BY CAR WEIGHT IN THE LUBRICATION OF RAIL AND FLANGES OF RAILWAY TRACKS. ARDCO MANUFACTURING COMPANY, North Bergen, N. J.
Filed September 19, 1945. Serial No. 488,683. PUBLISHED MAY 21, 1946. Class 23.

423,498. AUTOMOBILE AND VEHICLE TOP HARDWARE, AND AUTOMOBILE AND TRUCK BODY HARDWARE—NAMELY, AUTOMOBILE BODY SCREWS, ETC. AUTO-VEHICLE PARTS CO., Newport, Ky.
Filed September 20, 1945. Serial No. 488,727. PUBLISHED JUNE 18, 1946. Class 13.

423,499. WOVEN FABRICS COMPRISED OF NON-FIBROUS CELLULOSIC MATERIALS AND SOLD IN THE PIECE. MAURICE R. BRULÉ Central Falls, R. I.
Filed September 20, 1945. Serial No. 488,738. PUBLISHED MAY 28, 1946. Class 42.

423,500. DOMESTIC ELECTRIC DISHWASHING MACHINES. DYNA-ELECTRIC MANUFACTURING COMPANY, New Haven, Conn.
Filed September 22, 1945. Serial No. 488,851. PUBLISHED JUNE 11, 1946. Class 21.

423,501. DOMESTIC ELECTRIC DISHWASHING MACHINES. DYNA-ELECTRIC MANUFACTURING COMPANY, New Haven, Conn.
Filed September 22, 1945. Serial No. 488,852. PUBLISHED JUNE 11, 1946. Class 21.

423,502. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed September 24, 1945. Serial No. 488,894. PUBLISHED MAY 28, 1946. Class 42.

423,503. BILLFOLDS, CARD AND LICENSE CASES, SECRETARY CASES, KEY CASES, COIN PURSES, AND HANDBAGS. MUELLER SPECIALTIES, INC., Philadelphia, Pa.
Filed October 3, 1945. Serial No. 489,430. PUBLISHED JUNE 11, 1946. Class 3.

423,504. ELECTRICALLY HEATED FOOD WARMERS AND COOKERS, ELECTRICALLY HEATED BOTTLE WARMERS, ELECTRICALLY HEATED VAPOR STERILIZERS, ELECTRICALLY HEATED STEAM GENERATORS, ELECTRICALLY HEATED WATER VAPORIZERS, ELECTRIC WELDING APPARATUS, ELECTRIC TERMINALS, HERMETICALLY SEALED AND INSULATED ELECTRICALLY CONDUCTIVE TERMINALS AND LEADS, HERMETICALLY SEALED ELECTRICAL CONDUCTOR HEADERS, GLASS-SEALED ELECTRICAL TERMINALS AND LEADS, ELECTRICALLY INSULATED TERMINALS AND LEADS, AND ELECTRONIC VACUUM TUBE PARTS AND COMPONENTS. ELECTRICAL INDUSTRIES, INC., Newark, N. J.
Filed October 5, 1945. Serial No. 489,454. PUBLISHED MAY 28, 1946. Class 21.

423,505. CIGARS. M. FERNANDEZ & COMPANY, Tampa, Fla.
Filed October 6, 1945. Serial No. 489,507. PUBLISHED JUNE 11, 1946. Class 17.

423,506. WIRE AND BAR DRAWING DIES, FLUID ORIFICE PLUGS AND FLUID SPRAY JETS, BLAST CLEANING NOZZLES, ETC. UNITED STATES QUARRY TILE COMPANY, North Canton and East Sparta, Ohio, and Parkersburg, W. Va.
Filed October 6, 1945. Serial No. 489,547. PUBLISHED JUNE 11, 1946. Class 23.

423,507. FRESH WHOLE SPINACH AND FRESH SLICED AND SHREDDED MIXED VEGETABLES FOR SALADS. AUNT MID COMPANY, Detroit, Mich.
Filed October 11, 1945. Serial No. 489,785. PUBLISHED JUNE 4, 1946. Class 46.

423,508. VIBRATION AND SHOCK ABSORBING ENGINE AND TRANSMISSION MOUNTS FOR AUTOMOBILES. ANCHOR RUBBER PRODUCTS, INC., Cleveland, Ohio.
Filed October 13, 1945. Serial No. 489,894. PUBLISHED JUNE 18, 1946. Class 23.

423,509. ASH RECEIVERS, HUMIDORS FOR THE CONSERVING OF CIGARS AND CIGARETTES, CIGAR AND CIGARETTE CASES AND HOLDERS, ETC. E. E. EDWARD, LTD., New York, N. Y.
Filed October 16, 1945. Serial No. 490,016. PUBLISHED JUNE 11, 1946. Class 8.

423,510. LUBRICATING OILS AND GREASES. PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex.
Filed October 16, 1945. Serial No. 490,032. PUBLISHED MARCH 19, 1946. Class 15.

423,511. SYNTHETIC, INITIALLY PLASTIC, SETTING MATERIAL IN SHEET, STRAND, LIQUEFIED AND UNFINISHED MOLDED FORMS. THE UNITED STATES STONEWARE CO., Akron, Ohio.
Filed October 16, 1945. Serial No. 490,044. PUBLISHED JUNE 18, 1946. Class 1.

423,512. RAIL LUBRICATORS OF THE RAILROAD RAIL AND WHEEL FLANGE LUBRICATING TYPE AND SWITCH POINT LOCKS. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed October 17, 1945. Serial No. 490,049. PUBLISHED MAY 28, 1946. Class 23.

423,513. RUB APRONS FOR CARDING MACHINES. BOSTON WOVEN HOSE & RUBBER COMPANY, Cambridge, Mass.
Filed October 17, 1945. Serial No. 490,057. PUBLISHED JUNE 11, 1946. Class 23.

423,514. COMBINATION HAND RAKE AND CUTTER. RALPH G. AREY, Lynn, Mass.
Filed October 18, 1945. Serial No. 490,096. PUBLISHED JUNE 4, 1946. Class 23.

423,515. ELECTRIC MOTORS. FARMCO, INC., Jersey City, N. J., and New York, N. Y.
Filed October 18, 1945. Serial No. 490,108. PUBLISHED JUNE 4, 1946. Class 21.

423,516. ELECTRIC CREAM SEPARATORS. FARMCO, INC., Jersey City, N. J., and New York, N. Y.
Filed October 18, 1945. Serial No. 490,109. PUBLISHED JUNE 4, 1946. Class 23.

423,517. RAZOR BLADES. LIGHTFOOT SCHULTZ CO., New York, N. Y., and Hoboken, N. J.
Filed October 18, 1945. Serial No. 490,126. PUBLISHED JUNE 4, 1946. Class 23.

423,518. FRONT END LOADERS FOR TRACTORS POWERED BY THE TRACTOR ITSELF. SUPER SIX MFG., INC., Minneapolis, Minn.
Filed October 20, 1945. Serial No. 490,267. PUBLISHED JUNE 11, 1946. Class 23.

423,519. ELECTRICAL POWER TRANSFORMERS FOR USE IN RADIO AND TELEVISION RECEIVERS AND IN RADIO-PHONOGRAPHS. UNITED STATES TELEVISION MANUFACTURING CORPORATION, New York, N. Y.
Filed October 20, 1945. Serial No. 490,271. PUBLISHED JUNE 11, 1946. Class 21.

423,520. CANNED WHITE CORN. HALE-HALSELL CO., McAlester, Okla.
Filed October 24, 1945. Serial No. 490,431. PUBLISHED JUNE 4, 1946. Class 46.

423,521. DOLLS. AUDREY KARGÈRE, New York, N. Y.
Filed October 26, 1945. Serial No. 490,538. PUBLISHED JUNE 18, 1946. Class 22.

423,522. ELECTRIC RECORD PLAYERS WITH RADIO AMPLIFIER. TONE PRODUCTS CORPORATION OF AMERICA, New York, N. Y.
Filed October 26, 1945. Serial No. 490,554. PUBLISHED JUNE 18, 1946. Class 21.

423,523. AUTOMOBILE JACKS. TUDOR INDUSTRIES CORP. New York, N. Y.
Filed October 26, 1945. Serial No. 490,558. PUBLISHED JUNE 4, 1946. Class 23.

423,524. RADIO RECEIVING SETS AND PARTS THEREOF. V-LECTRICAL ENGINEERING CO., Los Angeles, Calif.
Filed October 26, 1945. Serial No. 490,560. PUBLISHED JUNE 11, 1946. Class 21.

423,525. ELECTRICALLY OPERATED LATHER PRODUCING MACHINES. CAMPBELL PRODUCTS COMPANY, Chicago, Ill.
Filed October 29, 1945. Serial No. 490,634. PUBLISHED JUNE 18, 1946. Class 21.

423,526. SPRAY DISCS AND SPRAY WHIRLS USED IN AGRICULTURE SPRAY EQUIPMENT. ROY E. COOLEY, doing business as Cooley Spray Equipment Works, Somers, Conn.
Filed October 30, 1945. Serial No. 490,746. PUBLISHED MAY 21, 1946. Class 23.

423,527. EARTHWORKING MACHINES—NAMELY, SCOOPLIKE DRAWN MACHINES FOR FILLING, LEVELING, AND GRADING. K & B MANUFACTURING CO., Fairmont, Okla.
Filed October 31, 1945. Serial No. 490,833. PUBLISHED JUNE 18, 1946. Class 23.

423,528. PIPES. LANE TOBACCO, LTD., New York, N. Y.
Filed November 1, 1945. Serial No. 490,890. PUBLISHED JUNE 11, 1946. Class 8.

423,529. RADIO RECEIVING SETS FOR AUDIO MODULATION AND FREQUENCY MODULATION, TELEVISION RECEIVING SETS, ETC. METROPOLITAN RADIO ELECTRONICS CORP., New York, N. Y.
Filed November 1, 1945. Serial No. 490,898. PUBLISHED JUNE 11, 1946. Class 21.

423,530. PIECE GOODS—TO WIT, RAYON PIECE GOODS. MARTIN WEINER, New York, N. Y.
Filed November 1, 1945. Serial No. 490,910. PUBLISHED MAY 28, 1946. Class 42.

423,531. WATER SOFTENERS AND FILTERS OF THE CHEMICAL CONTAINER TYPE SET IN A PLUMBING LINE. BEATRICE HOSID, doing business as Waterqueen Co., Syracuse, N. Y.
Filed November 2, 1945. Serial No. 490,948. PUBLISHED JUNE 18, 1946. Class 13.

423,532. SHORTHAND WRITING MACHINES. WENDELL V. KIRKPATRICK, Bonita, Calif.
Filed November 2, 1945. Serial No. 490,951. PUBLISHED MAY 28, 1946. Class 23.

423,533. SHEATHED ELECTRIC WIRE. THE PLASTIC WIRE & CABLE CORPORATION, Norwich, Conn.
Filed November 2, 1945. Serial No. 490,967. PUBLISHED JUNE 18, 1946. Class 21.

423,534. ICE CREAM CABINETS, STORAGE REFRIGERATOR CABINETS, FARM FREEZERS, AND PARTS THEREOF INCLUDING EVAPORATOR PLATES. STANGARD-DICKERSON CORPORATION, Newark, N. J.
Filed November 3, 1945. Serial No. 491,034. PUBLISHED JUNE 11, 1946. Class 31.

423,535. ICE CREAM CABINETS, STORAGE REFRIGERATOR CABINETS, FARM FREEZERS, AND PARTS THEREOF INCLUDING EVAPORATOR PLATES. STANGARD-DICKERSON CORPORATION, Newark, N. J.
Filed November 3, 1945. Serial No. 491,035. PUBLISHED JUNE 18, 1946. Class 31.

423,536. SHOULDER PADS. CARLCRAFT PADS, New York, N. Y.
Filed November 5, 1945. Serial No. 491,062. PUBLISHED MAY 28, 1946. Class 40.

423,537. SHOULDER PADS. CARLCRAFT PADS, New York, N. Y.
Filed November 5, 1945. Serial No. 491,064. PUBLISHED MAY 28, 1946. Class 40.

423,538. CANNED PIMIENTOS. MARINE PRODUCTS COMPANY, San Diego, Calif.
Filed November 5, 1945. Serial No. 491,106. PUBLISHED JUNE 4, 1946. Class 46.

423,539. ELECTRICALLY INSULATED WIRE AND TUBING AND FOR THERMO-PLASTIC APPLIED CONCENTRICALLY ON WIRES FOR ELECTRICAL INSULATION. JAMES F. MATTIMORE, doing business as Montrose Products and Montrose Products Co., Worcester, Mass.
Filed November 6, 1945. Serial No. 491,166. PUBLISHED JUNE 18, 1946. Class 21.

423,540. ICE CREAM CABINETS, STORAGE REFRIGERATOR CABINETS, FARM FREEZERS, AND PARTS THEREEOF INCLUDING EVAPORATOR PLATES. STANGARD-DICKERSON CORPORATION, Newark, N. J.
Filed November 5, 1945. Serial No. 491,197. PUBLISHED JUNE 4, 1946. Class 31.

423,541. WRAPPING PAPER. UNIVERSAL RIBBON COMPANY, New York, N. Y.
Filed November 8, 1945. Serial No. 491,294. PUBLISHED JUNE 11, 1946. Class 37.

423,542. SNUFF. ALOIS SELMER, doing business as S. & H. Co., Bronx, N. Y.
Filed November 9, 1945. Serial No. 491,369. PUBLISHED JUNE 18, 1946. Class 17.

423,543. SOAP AND SOAP PREPARATIONS. EDWARD J. BEACH, doing business as Beach Brothers, Dubuque, Iowa.
Filed November 10, 1945. Serial No. 491,383. PUBLISHED JUNE 4, 1946. Class 4.

423,544. ACID SODIUM PYRO PHOSPHATE FOR USE WITH SODIUM BICARBONATE AS A BAKING POWDER COMPOSITION. WESTVACO CHLORINE PRODUCTS CORPORATION, New York, N. Y.
Filed November 10, 1945. Serial No. 491,442. PUBLISHED JUNE 4, 1946. Class 46.

423,545. APPARATUS FOR SYNCHRONIZING THE FLASH BULB EQUIPMENT OF PHOTOGRAPHIC CAMERAS. AL NORRIS COMPANY, North Hollywood, Calif.
Filed November 13, 1945. Serial No. 491,499. PUBLISHED JUNE 11, 1946. Class 26.

423,546. PHOTOGRAPHIC PROCESSING TANKS, SQUEEGEES AND PRINTING ROLLS FOR PHOTOGRAPHIC USE. POLAROID CORPORATION, Cambridge, Mass.
Filed November 13, 1945. Serial No. 491,507. PUBLISHED JUNE 18, 1946. Class 26.

423,547. AUTOMATIC MECHANICAL WATER-UNLOADING VALVES FOR THE COMPRESSED-AIR TANKS OF AIR-COMPRESSORS. GRAY COMPANY, INC., Minneapolis, Minn.
Filed November 14, 1945. Serial No. 491,566. PUBLISHED MAY 21, 1946. Class 23.

423,548. STATUES OF HUMANS, ANIMAL FIGURES, RELIGIOUS FIGURES AND ORNAMENTAL FIGURES WITH POCKETS FOR HOLDING FLOWERS OR PLANTS, ETC. GEO. BORGFELDT CORPORATION, New York, N. Y.
Filed November 15, 1945. Serial No. 491,623. PUBLISHED JUNE 4, 1946. Class 50.

423,549. TOWELS AND MATS MADE OF COTTON YARNS. CALLAWAY MILLS, La Grange, Ga.
Filed November 15, 1945. Serial No. 491,625. PUBLISHED MAY 28, 1946. Class 42.

423,550. SCISSORS AND SHEARS. THE CLAYTON MANUFACTURING COMPANY, Bristol, Conn.
Filed November 15, 1945. Serial No. 491,629. PUBLISHED MAY 21, 1946. Class 23.

423,551. APPARATUS FOR THINNING SEEDLING AND OTHER PLANTS BY THE USE OF FLAME OR HOT BLASTS. FIJELEN RESEARCH AND DEVELOPMENT COMPANY, Washington, D. C.
Filed November 15, 1945. Serial No. 491,637. PUBLISHED MAY 28, 1946. Class 23.

423,552. MILLINERY BRAIDS. HENRY POLLAK, INC., New York, N. Y.
Filed November 15, 1945. Serial No. 491,675. PUBLISHED MAY 28, 1946. Class 40.

423,553. ASPHALT SHINGLES. GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind.
Filed November 16, 1945. Serial No. 491,712. PUBLISHED JUNE 18, 1946. Class 12.

423,554. PERSONALIZED MAILING CARDS AND FOR STATIONERY—NAMELY, NOTE HEADS, LETTER HEADS, AND ENVELOPES. THOMAS J. WILLIAMS, doing business as Personal Stationery Co., Camden, N. Y.
Filed November 17, 1945. Serial No. 491,782. PUBLISHED JUNE 11, 1946. Class 37.

423,555. PIPES. JOHN HUDSON MOORE, INC., New York, N. Y.
Filed November 20, 1945. Serial No. 491,927. PUBLISHED JUNE 11, 1946. Class 8.

423,556. FLASH LIGHTS, ELECTRIC VAPOR AND/OR EXPLOSIVE PROOF EXTENSION LIGHTS, STATIC ELIMINATORS, AND ELECTRIC FLASHER BEACONS. STEWART R. BROWNE MFG. CO. INC., New York, N. Y.
Filed November 21, 1945. Serial No. 491,962. PUBLISHED JUNE 11, 1946. Class 21.

423,557. FLUORESCENT LIGHTING FIXTURES. DAY-BRITE LIGHTING, INC., St. Louis, Mo.
Filed November 21, 1945. Serial No. 491,963. PUBLISHED JUNE 11, 1946. Class 21.

423,558. TRANSMITTING AND RECEIVING APPARATUS FOR ELECTRICALLY REPRODUCING AT A REMOTE POINT WRITING AND DRAWINGS, AND PARTS AND SUPPLIES THEREFOR. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee, Wis.
Filed November 23, 1945. Serial No. 492,016. PUBLISHED JUNE 11, 1946. Class 21.

423,559. RAZOR BLADES. MUKAMAL COMPANY, New York, N. Y.
Filed November 23, 1945. Serial No. 492,078. PUBLISHED MAY 28, 1946. Class 23.

423,560. WRIST WATCH STRAPS MADE OF SYNTHETIC BUTADIENE ELASTOMERE WITH A FILLER OF NYLON FLOCK AND COTTON FLOCK. RING GRIP CORPORATION, Stamford, Conn.
Filed November 23, 1945. Serial No. 492,094. PUBLISHED MAY 28, 1946. Class 40.

423,561. FLUID METERS AND INSTRUMENTS USED THEREWITH FOR INTEGRATING, RECORDING, AND INDICATING THE RATE OF FLOW AND FOR CONTROLLING AUXILIARY APPARATUS IN PROPORTION TO THE RATE OF FLOW. BUILDERS IRON FOUNDRY, Providence, R. I.
Filed November 26, 1945. Serial No. 492,177. PUBLISHED JUNE 18, 1946. Class 26.

423,562. AIR CONDITIONING EQUIPMENT FOR COOLING PURPOSES, EITHER BY MEANS OF MECHANICAL REFRIGERATION OR BY WATER COOLING METHODS. LANCE WIKKERINK, Milwaukee, Wis.
Filed November 26, 1945. Serial No. 492,241. PUBLISHED JUNE 18, 1946. Class 34.

423,563. INSIDE AND OUTSIDE CALIPERS, DIVIDERS, AND PENCIL COMPASSES OR SCRIBERS. RUTH A. BECK, doing business as F. I. Blake Co., Worcester, Mass.
Filed November 29, 1945. Serial No. 492,352. PUBLISHED JUNE 18, 1946. Class 26.

423,564. LEATHER. KARG BROTHERS, INC., Johnstown, N. Y.
Filed November 30, 1945, Serial No. 492,443. PUBLISHED JUNE 11, 1946. Class 1.

423,565. SECTION OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed November 30, 1945. Serial No. 492,476. PUBLISHED MAY 7, 1946. Class 38.

423,566. PAPER TOWELS. WHEELER PAPER CORPORATION, Albany, N. Y.
Filed November 30, 1945. Serial No. 492,480. PUBLISHED JUNE 18, 1946. Class 37.

423,567. PYROMETERS. CLAUD S. GORDON COMPANY, Chicago, Ill.
Filed December 1, 1945. Serial No. 492,493. PUBLISHED JUNE 11, 1946. Class 26.

423,568. RADIO RECEIVING SETS AND PARTS THEREOF. WINDSOR-LLOYD PRODUCTS, INC., Philadelphia, Pa.
Filed December 1, 1945. Serial No. 492,534. PUBLISHED JUNE 4, 1946. Class 21.

423,569. TISSUE FRUIT WRAPS. CROWN ZELLERBACH CORPORATION, San Francisco, Calif.
Filed December 3, 1945. Serial No. 492,546. PUBLISHED JUNE 18, 1946. Class 37.

423,570. CANDY. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa.
Filed December 3, 1945. Serial No. 492,606. PUBLISHED JUNE 4, 1946. Class 46.

423,571. MACERATED COTTON FABRIC USED AS A FILLER FOR PHENOL FORMALDEHYDE PLASTICS MOLDING COMPOUNDS. THE RAYON PROCESSING CO. OF R. I. INC., Central Falls, R. I.
Filed December 4, 1945. Serial No. 492,657. PUBLISHED JUNE 11, 1946. Class 1.

423,572. FINELY CUT OR COMMINUTED COTTON FIBRES IN NATURAL, BLEACHED, OR DYED STATE, USED AS A SURFACE COATING MEDIUM FOR SURFACES. THE RAYON PROCESSING CO. OF R. I. INC., Central Falls, R. I.
Filed December 4, 1945. Serial No. 492,659. PUBLISHED JUNE 11, 1946. Class 1.

423,573. PAPER TOWELS. WHEELER PAPER CORPORATION, Albany, N. Y.
Filed December 6, 1945. Serial No. 492,808. PUBLISHED JUNE 18, 1946. Class 37.

423,574. LINEN PIECE GOODS, BED SHEETS, PILLOWCASES, TABLECLOTHS, NAPKINS, DOILIES, WOOLEN PIECE GOODS, COTTON PIECE GOODS, ETC. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Filed December 8, 1945. Serial No. 492,880. PUBLISHED JUNE 4, 1946. Class 42.

423,575. ELECTRIC IRONS. CONRAD D. MULLER, doing bunsiness as Quincy Electronics Company, Quincy, Mich.
Filed December 8, 1945. Serial No. 492,940. PUBLISHED MAY 21, 1946. Class 21.

423,576. CAST ALUMINUM COOKWARE—NAMELY, KETTLES, TEAKETTLES, PRESERVING KETTLES, COFFEE POTS, ROASTERS, ETC. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill.
Filed December 10, 1945. Serial No. 492,980. PUBLISHED JUNE 11, 1946. Class 13.

423,577. CAST ALUMINUM COOKWARE—NAMELY; KETTLES, TEAKETTLES, PRESERVING KETTLES, COFFEE POTS, ROASTERS, ETC. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill.
Filed December 10, 1945. Serial No. 492,982. PUBLISHED JUNE 11, 1946. Class 13.

423,578. CAST ALUMINUM COOKWARE—NAMELY, KETTLES, TEAKETTLES, PRESERVING KETTLES, COFFEE POTS, ROASTERS, ETC. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill.
Filed December 10, 1945. Serial No. 492,984. PUBLISHED JUNE 11, 1946. Class 13.

423,579. EXTENSIBLE ELECTRICAL CORDS. KELLOGG SWITCHBOARD AND SUPPLY COMPANY, Chicago, Ill.
Filed December 10, 1945. Serial No. 493,010. PUBLISHED MAY 21, 1946. Class 21.

423,580. EXTENSIBLE ELECTRICAL CORDS. KELLOGG SWITCHBOARD AND SUPPLY COMPANY, Chicago, Ill.
Filed December 10, 1945. Serial No. 493,011. PUBLISHED MAY 21, 1946. Class 21.

423,581. FRESH DECIDUOUS FRUITS AND VEGETABLES. R. A. NEMANICK, Watsonville, Calif.
Filed December 10, 1945. Serial No. 493,018. PUBLISHED JUNE 4, 1946. Class 46.

423,582. COPPER-BASE TUBES. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed December 11, 1945. Serial No. 493,041. PUBLISHED JUNE 11, 1946. Class 18.

423,583. RADIO TUBES. FEDERAL TELEPHONE AND RADIO CORPORATION, Newark, N. J.
Filed December 12, 1945. Serial No. 493,112. PUBLISHED MAY 21, 1946. Class 21.

423,584. RADIO TUBES. FEDERAL TELEPHONE AND RADIO CORPORATION, Newark, N. J.
Filed December 12, 1945. Serial No. 493,113. PUBLISHED MAY 21, 1946. Class 21.

423,585. SUN GLASSES, EYE GLASSES, SPECTACLES AND PARTS THEREOF INCLUDING LENSES. COMPTONE COMPANY, New York, N. Y.
Filed December 13, 1945. Serial No. 493,165. PUBLISHED JUNE 11, 1946. Class 26.

423,586. SUN GLASSES, EYE GLASSES, SPECTACLES AND PARTS THEREOF, INCLUDING LENSES. COMPTONE COMPANY, New York, N. Y.
Filed December 13, 1945. Serial No. 493,167. PUBLISHED JUNE 11, 1946. Class 26.

423,587. SUN GLASSES, EYE GLASSES, SPECTACLES AND PARTS THEREOF, INCLUDING LENSES. COMPTONE COMPANY. New York, N. Y.
Filed December 13, 1945. Serial No. 493,168. PUBLISHED JUNE 11, 1946. Class 26.

423,588. SLIDE FASTENERS. THE F. L. G. Co. INC., New York, N. Y.
Filed December 13, 1945. Serial No. 493,183. PUBLISHED JUNE 18, 1946. Class 13.

423,589. ELECTRIC LAMPS. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa., and Owensboro, Ky.
Filed December 13, 1945. Serial No. 493,234. PUBLISHED MAY 21, 1946. Class 21.

423,590. ELECTRIC LAMPS. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa., and Owensboro, Ky.
Filed December 13, 1945. Serial No. 493,235. PUBLISHED MAY 21, 1946. Class 21.

423,591. ELECTRIC CIRCUIT SWITCHING APPARATUS AND PARTS THEREOF. ALLIS-CHALMERS MANUFACTURING COMPANY, Wilwaukee and West Allis, Wis.
Filed December 15, 1945. Serial No. 493,308. PUBLISHED JUNE 4, 1946. Class 21.

423,592. SLIDE FASTENERS OF THE ZIPPER TYPE, MADE OF METAL AND PLASTIC MATERIAL. COMPANHIA BRASILEIRA DE METAIS, Sao Paulo, Brazil.
Filed December 15, 1945. Serial No. 493,324. PUBLISHED JUNE 18, 1946. Class 13.

423,593. EYEGLASSES AND EYEGLASS MOUNTINGS OR FRAMES AND PARTS THEREOF. OPTICAL PRODUCTS COMPANY, New York, N. Y.
Filed December 15, 1945. Serial No. 493,387. PUBLISHED JUNE 18, 1946. Class 26.

423,594. EYEGLASSES AND EYEGLASS MOUNTINGS OR FRAMES AND PARTS THEREOF. OPTICAL PRODUCTS COMPANY, New York, N. Y.
Filed December 15, 1945. Serial No. 493,388. PUBLISHED JUNE 18, 1946. Class 26.

423,595. FLINTS (A FLINT BEING AN ALLOY CONSISTING OF ABOUT 70% CERIUM METAL PLUS ABOUT 27% IRON METAL PLUS ABOUT 3% MAGNESIUM METAL OR A SIMILAR METAL), ETC. SUPERIOR SMELTING CORPORATION, Flushing, Long Island, N. Y.
Filed December 15, 1945. Serial No. 493,408. PUBLISHED JUNE 18, 1946. Class 34.

423,596. CHOCOLATE AND CONFECTIONARY MOLDS. WARREN BROS. CORP., Cranford, N. J.
Filed December 15, 1945. Serial No. 493,412. PUBLISHED MAY 28, 1946. Class 23.

423,597. HOUSEHOLD LINENS, TABLE CLOTHS, NAPKINS, TOWELING, AND TABLE LINENS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and also as Quackenbush Company, Paterson, N. J.
Filed December 17, 1945. Serial No. 493,422. PUBLISHED JUNE 4, 1946. Class 42.

423,598. TUBES MADE OF NICKEL STEEL. THE BABCOCK & WILCOX TUBE COMPANY., Beaver Falls, Pa.
Filed December 18, 1945. Serial No. 493,475. PUBLISHED JUNE 11, 1946. Class 13.

423,599. BUILDING MATERIAL—NAMELY, BRICKS. HARRY KLEIN, New York, N. Y.
Filed December 18, 1945. Serial No. 493,494. PUBLISHED JUNE 11, 1946. Class 12.

423,600. AUTOMOTIVE RADIATOR FLUSHING GUN. RODGER F. BECKER, doing business as Kalamazoo Aero-Motive Manufacturing Company, Kalamazoo, Mich.
Filed December 20, 1945. Serial No. 493,585. PUBLISHED MAY 28, 1946. Class 23.

423,601. SUN GLASSES. BER-TEE OPTICAL CORPORATION. New York, N. Y.
Filed December 20, 1945. Serial No. 493,586. PUBLISHED JUNE 18, 1946. Class 26.

423,602. CANDY. FUBAR, INC., Chicago, Ill.
Filed December 20, 1945, Serial No. 493,596. PUBLISHED JUNE 4, 1946. Class 46.

423,603. CANDY. SNAFU, INC., Chicago, Ill.
Filed December 20, 1945. Serial No. 493,627. PUBLISHED JUNE 4, 1946. Class 46.

423,604. CANDY. TARFU, INC., Chicago, Ill.
Filed December 20, 1945. Serial No. 493,633. PUBLISHED JUNE 4, 1946. Class 46.

423,605. RADIO RECEIVING SETS—NAMELY, MANTEL SETS, CONSOLE SETS, PORTABLES, AND RADIO PHONOGRAPH COMBINATION SETS. AFFILIATED RETAILERS, INC., New York, N. Y.
Filed December 22, 1945. Serial No. 493,709. PUBLISHED MAY 28, 1946. Class 21.

423,606. REFRIGERATORS AND HOME FREEZERS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and also as Quackenbush Company, Paterson, N. J.
Filed December 22, 1945. Serial No. 493,712. PUBLISHED JUNE 18, 1946. Class 31.

423,607. REFRIGERATORS AND HOME FREEZERS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and also as Quackenbush Company, Paterson, N. J.
Filed December 22, 1945. Serial No. 493,714. PUBLISHED JUNE 18, 1946. Class 31.

423,608. CANNED TOMATO PASTE, CANNED FRUITS, AND CANNED TOMATO PUREE. OAKLAND CANNING COMPANY, Oakland, Calif.
Filed December 22, 1945. Serial No. 493,815. PUBLISHED JUNE 4, 1946. Class 46.

423,609. CANNED BONED CHICKEN, AND BONED TURKEY. CHICAGO WESTERN CORPORATION, Chicago, Ill.
Filed December 27, 1945. Serial No. 493,917. PUBLISHED JUNE 4, 1946. Class 46.

423,610. LIGHTWEIGHT FLOOR, WALL, AND SIMILAR SURFACE COVERINGS OF THE LINOLEUM TYPE. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed December 28, 1945. Serial No. 493,944. PUBLISHED JUNE 11, 1946. Class 20.

423,611. DOMESTIC LAUNDRY APPLIANCES—NAMELY, WASHING MACHINES, CLOTHES DRIER MACHINES, AND IRONING MACHINES. NINETEEN HUNDRED CORPORATION, St. Joseph, Mich.
Filed December 28, 1945. Serial No. 493,977. PUBLISHED JUNE 18, 1946. Class 24.

423,612. TROLLEY WHEELS AND TROLLEY HARPS. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., and St. Louis, Mo.
Filed December 29, 1945. Serial No. 493,997. PUBLISHED JUNE 11, 1946. Class 21.

423,613. AIRPLANE PARTS, SPECIFICALLY AILERON CONTROL WHEELS, HAT SECTION REINFORCEMENTS, AND TRIM TABS, ETC. THE B. F. GOODRICH COMPANY, doing business as Hood Rubber Company, New York, N. Y., and Watertown, Mass.
Filed December 29, 1945. Serial No. 494,059. PUBLISHED JUNE 11, 1946. Class 19.

423,614. AIRPLANES AND STRUCTURAL PARTS THEREFOR. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif.
Filed December 31, 1945. Serial No. 494,160. PUBLISHED JUNE 11, 1946. Class 19.

423,615. AIRPLANES AND STRUCTURAL PARTS THEREFOR. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif.
Filed December 31, 1945. Serial No. 494,161. PUBLISHED JUNE 11, 1946. Class 19.

423,616. AIRPLANES AND STRUCTURAL PARTS THEREFOR. LOCKHEED AIRCRAFT CORPORATION. Burbank, Calif.
Filed December 31, 1945. Serial No. 494,162. PUBLISHED JUNE 11, 1946. Class 19.

423,617. WET STORAGE BATTERIES. GAMBLE STORES, INCORPORATED, Minneapolis, Minn.
Filed January 4, 1946. Serial No. 494,269. PUBLISHED JUNE 11, 1946. Class 21.

423,618. CUTTING OILS AND GRINDING COMPOUNDS USED AS LUBRICANTS OR COOLING AGENTS IN THE CUTTING, GRINDING, OR FABRICATION OF METALS. AMOS J. MCDUFF, doing business as A. J. McDuff Company, Boston, Mass.
Filed January 4, 1946. Serial No. 494,275. PUBLISHED JUNE 4, 1946. Class 15.

423,619. ELECTRIC SWITCHES. WALLACE METAL PRODUCTS COMPANY, INC., New Haven, Conn.
Filed January 4, 1946. Serial No. 494,296. PUBLISHED JUNE 11, 1946. Class 21.

423,620. CIRCUIT BREAKERS. FRANK ADAM ELECTRIC COMPANY, St. Louis, Mo.
Filed January 5, 1946. Serial No. 494,297. PUBLISHED JUNE 11, 1946. Class 21.

423,621. LAWN MOWERS. ROOT MANUFACTURING CO., Baxter Springs, Kans.
Filed January 5, 1946. Serial No. 494,363. PUBLISHED JUNE 11, 1946. Class 23.

423,622. CAMERAS, PARTS THEREOF, AND ACCESSORIES THEREFOR. ADEL PRECISION PRODUCTS CORP., Burbank, Calif.
Filed January 8, 1946. Serial No. 494,417. PUBLISHED JUNE 11, 1946. Class 26.

423,623. FROZEN POULTRY. THE DAVID J. JOSEPH COMPANY, Loveland, Ohio.
Filed January 8, 1946. Serial No. 494,450. PUBLISHED JUNE 4, 1946. Class 46.

423,624. OPHTHALMIC MOUNTINGS FOR LENSES. UHLEMANN OPTICAL CO. OF ILLINOIS, Chicago, Ill.
Filed January 9, 1946. Serial No. 494,526. PUBLISHED JUNE 11, 1946. Class 26.

423,625. CELLULAR THERMAL INSULATING FABRIC. INFRA INSULATION, INC., New York, N. Y.
Filed January 11, 1946. Serial No. 494,608. PUBLISHED JUNE 18, 1946. Class 12.

423,626. DOOR CHECKS. WALLACE METAL PRODUCTS COMPANY, INC., New Haven, Conn.
Filed January 11, 1946. Serial No. 494,641. PUBLISHED JUNE 11, 1946. Class 13.

423,627. BAKING POWDER. RUMFORD CHEMICAL WORKS, Rumford, R. I.
Filed January 12, 1946. Serial No. 494,706. PUBLISHED JUNE 4, 1946. Class 46.

423,628. CRIBS. ELMER FRANK BORRELLI, Philadelphia, Pa.
Filed January 28, 1946. Serial No. 495,535. PUBLISHED JUNE 18, 1946. Class 32.

423,629. MATTRESSES, DIVANS, BOX SPRINGS, AND STUDIO COUCHES. RICHARD B. CLARK, doing business as Sterling Bedding Company, San Francisco, Calif.
Filed January 28, 1946. Serial No. 495,540. PUBLISHED JUNE 11, 1946. Class 32.

423,630. HARD SURFACE FLOOR COVERINGS OF THE TYPE INCLUDING A FELT BASE AND A MASTIC WEARING SURFACE. ARMSTRONG CORK COMPANY, Manheim Township, Lancaster County, Pa.
Filed January 29, 1946. Serial No. 495,565. PUBLISHED JUNE 18, 1946. Class 20.

423,631. COLLAPSIBLE STROLLERS. FRANK R. PICCOLO, doing business as Industrial Maintenance Company, Bridgeport, Conn.
Filed January 29, 1946. Serial No. 495,622. PUBLISHED JUNE 18, 1946. Class 19.

423,632. LADIES' HANDBAGS, MADE PRINCIPALLY OF PLASTIC MATERIALS. GOLDSMITH BROTHERS MANUFACTURING CO. INC., New York, N. Y.
Filed February 7, 1946. Serial No. 496,136. PUBLISHED JUNE 11, 1946. Class 3.

423,633. ACRYLIC DENTURE BASE. THE MOTLOID CO., INC., Chicago, Ill.
Filed February 8, 1946. Serial No. 496,260. PUBLISHED JUNE 11, 1946. Class 44.

423,634. TRAVELLING CASES, TRUNKS, BRIEF CASES, PORTFOLIOS, WALLETS, CHANGE PURSES, AND KEY CASES. U. S. LUGGAGE & LEATHER PRODUCTS CO., New York, N. Y.
Filed February 27, 1946. Serial No. 497,353. PUBLISHED JUNE 18, 1946. Class 3.

423,635. TOY HOLSTER SETS. CLASSY PRODUCTS CO., New York, N. Y.
Filed March 2, 1946. Serial No. 497,530. PUBLISHED JUNE 11, 1946. Class 22.

423,636. LADIES' HANDBAGS AND PURSES OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF. GOLD SEAL IMPORTERS, INC., New York, N. Y.
Filed March 2, 1946. Serial No. 497,540. PUBLISHED JUNE 11, 1946. Class 3.

423,637. LADIES', MISSES' AND CHILDREN'S HANDBAGS, OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. PYRAMID LEATHER GOODS CO., INC., New York, N. Y.
Filed March 2, 1946. Serial No. 497,567. PUBLISHED JUNE 11, 1946. Class 3.

423,638. DEVICES FOR RELEASING SNAGGED FISHING LURES OR BAITS. HELLDIVER COMPANY, Chicago, Ill.
Filed March 4, 1946. Serial No. 497,605. PUBLISHED JUNE 11, 1946. Class 22.

423,639. TOY AIRPLANES, BOATS, TRAINS, AND JEEPS. SKY HOBBY, INCORPORATED, Kansas City, Mo.
Filed March 4, 1946. Serial No. 497,632. PUBLISHED JUNE 11, 1946. Class 22.

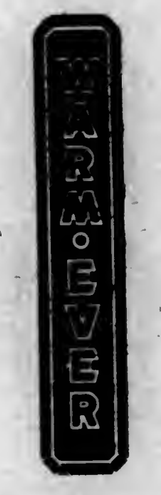
423,640. SURGICAL DRESSING OF IMPREGNATED GLASS GAUZE. AMERICAN MEDICAL GLASS COMPANY, Washington, D. C.
Filed March 8, 1946. Serial No. 497,836. PUBLISHED JUNE 18, 1946. Class 44.

423,641. BOTTLE BOXES OR BEER CASES. CLARENCE A. LAFAVE, Gladstone, Mich.
Filed March 19, 1946. Serial No. 498,528. PUBLISHED JUNE 18, 1946. Class 2.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

423,642. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) LOCKE STOVE COMPANY, Kansas City, Mo. Filed Apr. 20, 1942. Serial No. 452,451.



FOR WATER HEATERS USING SOLID FUELS.
Claims use since Jan. 1, 1942.

423,643. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WAVERLY COCOA & CHOCOLATE CO. INC., Brooklyn, N. Y. Filed May 17, 1944. Serial No. 470,361.

WAVERLY

FOR COCOA AND CANDY BARS.
Claims use since 1934.

423,644. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MERCURY BATTERY CHARGER CO., Kansas City, Mo. Filed Dec. 18, 1944. Serial No. 477,707.

SAFE-T I TE PANEL

FOR COMBINATION BATTERY CHARGING AND TESTING APPARATUS.
Claims use since Dec. 5, 1944.

423,645. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DOMESTIC INDUSTRIES, INC., Chicago, Ill., Filed February 5, 1945. Serial No. 479,426.

MOTOWLIFT

FOR GASOLINE ENGINE POWERED LIFT TRUCKS FOR LIFTING, CONVEYING, AND LOWERING MATERIAL.
Claims use since Nov. 30, 1944.

423,646. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WEAVER MANUFACTURING COMPANY, Springfield, Ill. Filed Feb. 23, 1945. Serial No. 480,150.

TWIN POST

FOR PRESSURE LINE OPERATED HYDRAULIC AND PNEUMATIC-HYDRAULIC PRESSURE LINE OPERATED ELEVATING AND LOWERING APPLIANCES FOR VEHICLES.
Claims use since Aug. 11, 1933.

423,647. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) RICHMOND-PHILLIPS, New York, N. Y. Filed Apr. 20, 1945. Serial No. 482,397.

FLEURS-DE-POM

FOR SACHETS IN THE FORM OF POMPOMS, BALLS, TASSELS, ROSETTES, RIBBON BOWS, PADS, AND MINIATURE PILLOWS.
Claims use since Apr. 2, 1945.

423,648. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TENNESSEE VALLEY ASSOCIATES, Nashville, Tenn. Filed Apr. [illegible] 1945. Serial No. 482,716.

TOP LINE

FOR ELECTRIC APPLIANCES—NAMELY, AUTOMATIC ELECTRIC IRONS, ELECTRIC HEATERS, ROASTERS, ELECTRIC FANS AND ELECTRIC TOASTERS.
Claims use since 1937.

423,649. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BASTIS IMPORTING COMPANY, INC., New York, N. Y. Filed May 2, 1945. Serial No. 482,863.

Sea Fare

FOR SALAD DRESSING.
Claims use since Oct. 1, 1944.

423,650. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HESTER MAY, Honolulu, Territory of Hawaii. Filed May 12, 1945. Serial No. 483,274.

Hester May

FOR FRUIT CAKE, NUT LOAF, SOY FLOUR WAFERS, PINEAPPLE PIE, BLUEBERRY PIE, CHERRY PIE, LEMON MERINGUE PIE, CUSTARD PIE, HEALTH BREAD, MACAROONS, APPLE PIE, PUMPKIN PIE, RAISIN PIE, PECAN PIE, SOY BREAD AND CRACKED WHEAT BREAD.
Claims use since June 1942.

423,651. (CLASS 37. PAPER AND STATIONERY.) IRVING WORTHMAN, Brooklyn, N. Y. Filed May 15, 1945. Serial No. 483,408.

Tissue Compax

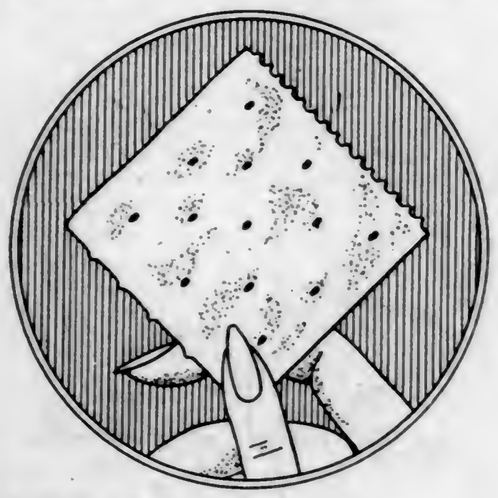
FOR FACIAL TISSUE.
Claims use since Mar. 1, 1945.

423,652. (CLASS 32. FURNITURE AND UPHOLSTERY.) KANGAROO, Columbus, Ohio. Filed May 18, 1945. Serial No. 483,533.

SAV-A-SPACE

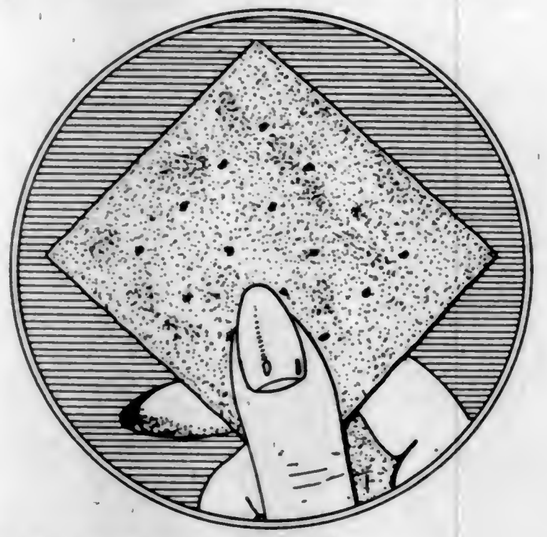
FOR CABINET SHELVES.
Claims use since Nov. 10, 1944.

423,653. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSOLIDATED BISCUIT COMPANY, Chicago, Ill. Filed May 23, 1945. Serial No. 483,675.



The drawing is lined for red.
FOR SALTINE CRACKERS.
Claims use since Jan. 11, 1944.

423,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSOLIDATED BISCUIT COMPANY, Chicago, Ill. Filed May 23, 1945. Serial No. 483,676.



The drawing is shaded for blue.
FOR GRAHAM WAFERS.
Claims use since Jan. 11, 1944.

423,655. (CLASS 32. FURNITURE AND UPHOLSTERY.) COLUMBIA BEDDING CO., Chicago, Ill. Filed May 28, 1945. Serial No. 483,844.

MOR-ROOM

FOR MATTRESSES, AND BOX SPRINGS.
Claims use since Feb. 1, 1945.

423,656. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) THE FASHION CURTAIN CO., Memphis, Tenn. Filed June 18, 1945. Serial No. 484,676.

Fashion Edge Curtains

FOR RUFFLED CURTAINS.
Claims use since Apr. 10, 1945.

423,657. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HORTENSE SPIER, INC., New York, N. Y. Filed Aug. 23, 1945. Serial No. 487,486.

Spier

FOR PIES AND CAKES.
Claims use since June 6, 1945.

423,658. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAFEWAY STORES, INCORPORATED, doing business as Regent Canfood Co., Baltimore, Md., and Oakland, Calif. Filed Sept. 17, 1945. Serial No. 488,617.

Blend O'Gold

FOR CANNED BLENDED GRAPEFRUIT AND ORANGE JUICE.
Claims use since Jan. 5, 1945.

423,659. (CLASS 32. FURNITURE AND UPHOLSTERY.) ARTHUR BROWN, New York, N. Y. Filed Sept. 27, 1945. Serial No. 489,038.

IN-GENI-OUS

FOR MIRRORED PICTURE FRAMES, MIRRORED BARS, MIRRORED SHOW CASES, MIRRORED END TABLES, AND MIRRORED COUNTER DISPLAY CASES.
Claims use since Oct. 9, 1944.

423,660. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RAYMOND L. KIRKEGAARD, doing business as R. L. Kirkegaard Mfg. Co., Denver, Colo. Filed Oct. 8, 1945. Serial No. 489,588.

Miniature TIMBERS

The lining on the drawing designates the color red.
FOR KITS OF MINIATURE BUILDING MATERIAL FOR CONSTRUCTING TOY STRUCTURES.
Claims use since Oct. 1, 1944.

423,661. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SAM ORENSTEIN, doing business as Amelia Earhart Luggage, Newark, N. J. Filed Oct. 17, 1945. Serial No. 490,078.

"Cushion Edge"

FOR LUGGAGE—NAMELY, SUIT CASES, HAND BAGS, HAND TRUNKS, STEAMER TRUNKS, AND WARDROBE TRUNKS.
Claims use since March 1939.

423,662. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JACOB TANENBAUM, New York, N. Y. Filed Oct. 20, 1945. Serial No. 490,268.

TANEY

FOR HAIR BRUSH.
Claims use since February 1939.

423,663. (CLASS 32. FURNITURE AND UPHOLSTERY.) HABITANT SHOPS, INC., Bay City, Mich. Filed Oct. 22, 1945. Serial No. 490,304.

Pickled Pine

FOR TRESTLE TABLES, CARD TABLES, CORNER TABLES, SIDE TABLES, REFECTORY TABLES, END TABLES, SOFAS, BENCHES, LOUNGES, CHAIRS, PLAIN AND UPHOLSTERED, BEDS, DAY BEDS, BED STANDS, LIVING ROOM STANDS, SEATS, FOOTSTOOLS, HATRACKS, DESKS, DRESSERS, HANGING SHELVES, MAGAZINE RACKS, SIDEBOARDS FOR DINING ROOMS, WALL CABINETS, CORNER CABINETS, BOOKCASE CABINETS, BAR CABINETS, AND CHESTS OF DRAWERS.
Claims use since Jan. 1, 1941.

423,664. (CLASS 32. FURNITURE AND UPHOLSTERY.) HABITANT SHOPS, INC., Bay City, Mich. Filed Oct. 22, 1945. Serial No. 490,305.

Pinewood

FOR TRESTLE TABLES, CARD TABLES, CORNER TABLES, SIDE TABLES, REFECTORY TABLES, END TABLES, SOFAS, BENCHES, LOUNGES, CHAIRS, PLAIN AND UPHOLSTERED, BEDS, DAY BEDS, BED STANDS, LIVING ROOM STANDS, SEATS, FOOTSTOOLS, HATRACKS, DESKS, DRESSERS, HANGING SHELVES, MAGAZINE RACKS, SIDEBOARDS FOR DINING ROOMS, WALL CABINETS, CORNER CABINETS, BOOKCASE CABINETS, BAR CABINETS, AND CHESTS OF DRAWERS.
Claims use since Jan. 1, 1939.

423,665. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) E. J. WILKINS COMPANY, Gloversville, N. Y. Filed Nov. 20, 1945. Serial No. 491,940.

Smok-pak

FOR LEATHER CIGARETTE CASES.
Claims use since May 15, 1939.

423,666. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) DUPLEX FABRICS CORP., New York, N. Y. Filed Nov. 29, 1945. Serial No. 492,364.

COLORSET by DUPLEX

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND COMBINATIONS THEREOF.
Claims use since Jan. 23, 1945.

423,667. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DORSET FOODS, LTD., Long Island City, N. Y. Filed Nov. 30, 1945. Serial No. 492,431.



FOR CANNED AND BOTTLED BONED TURKEY; BONED CHICKEN; À LA KING PRODUCTS—NAMELY, CHICKEN À LA KING, TURKEY À LA KING, HAM À LA KING, AND SAUCE À LA KING; CHICKEN SPECIALTIES—NAMELY, NOODLE CHICKEN DINNER, CHICKEN MEAT IN MUSHROOM SAUCE, BONELESS CHICKEN FRICASSÉE, A SPREAD COMPOSED OF CHICKEN, CHICKEN GIBLETS, BROTH, SALT, AND SPICES FOR SANDWICHES, SALAD, AND CANAPÉS, PACKAGES CONTAINING ARGENTINA BLUE CHEESE IN BRANDY, CHEDDAR IN SHERRY, CHEDDAR IN PORT, GORGONZOLA IN BRANDY, EDAM IN SAUTERNE AND STILTON IN PORT, AND BOTTLED CHICKEN, CHICKEN MEAT WITH VEGETABLES, HALF CHICKEN IN BROTH, CHICKEN WINGS IN CHICKEN BROTH, CHICKEN MEAT CREOLE, CURRY OF CHICKEN, AND CHICKEN JARDINIERE; MEAT PRODUCTS—NAMELY, PATÉ PASTE OR SPREAD AND TRIPE IN SAUCE; CHEESES—NAMELY, RARE-BIT CHEESE SPREAD; CREAM OF CHICKEN SOUPS—NAMELY, CREAMED CHICKEN SOUP, CREAM OF CHICKEN AND ASPARAGUS SOUP, CREAM OF CHICKEN AND MUSHROOM SOUP, CREAM OF CHICKEN AND WATERCRESS SOUP, CREAM OF CHICKEN SOUP MALAKOFF, CREAM VICHYSSOISE SOUP AND CREAM OF CHICKEN SOUP L'INDIENNE; CHICKEN AND TURKEY BROTHS—NAMELY, NATURAL CHICKEN BROTH, CHICKEN BROTH WITH NOODLES, CHICKEN BROTH WITH RICE AND TURKEY BROTH WITH NOODLES; BROTHS WITH PARTS OF CHICKEN—NAMELY, BROTH WITH PARTS OF TWO CHICKEN WINGS AND BROTH WITH CHICKEN NECK, BROTH WITH CHICKEN GIZZARDS; AND HOSTESS PANTRY BOX CONTAINING COMBINATIONS OF THE FOREGOING.

Claims use since Nov. 14, 1939, as to the word "Dorset" and since Oct. 31, 1944, as to the mark presented.

423,668. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) CASA DE LEON, St. Louis, Mo. Filed Dec. 14, 1945. Serial No. 493,248.

casa de leon

FOR BUTTONS MADE OF ONE OR MORE OF THE FOLLOWING MATERIALS: PLASTICS, METALS, BONE, LUCITE, PLASTER, WOOD, PEARL, CERAMIC, UREA, AND GALILITH.

Claims use since Jan. 3, 1944.

423,669. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) L. W. GUILD COMPANY, INC., Boston, Mass. Filed Jan. 31, 1946. Serial No. 495,734.

PERONA

FOR PIECE GOODS OF WOOL OR OF WOOL AND COTTON MIXTURES.

Claims use since January 1944.

423,670. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LE ROY SCHENCK, doing business as Flush Wall Radio Company, Newark, N. J. Filed Feb. 27, 1946. Serial No. 497,340.

FLUSH WALL

FOR RADIO RECEIVING SETS FOR INSTALLATION IN WALLS.

Claims use since Sept. 3, 1940.

423,671. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WINTER BROTHERS COMPANY, Wrentham, Mass. Filed Mar. 5, 1946. Serial No. 497,687.

WINTER

FOR TAPS AND DIES.

Claims use since 1900.

423,672. (CLASS 23. CUTLERY MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROBINSON MANUFACTURING CO., Waterbury, Conn. Filed Mar. 13, 1946. Serial No. 498,173.

HARTFORD

FOR FILING MACHINES.

Claims use since January 1906.

TRADE-MARK REGISTRATIONS RENEWED

50,936. **NEMO.** CORSETS, CORSET-WAISTS, AND CORSET-STEELS. Registered Apr. 3, 1906. KOPS BROS. Re-renewed Apr. 3, 1946, to Kops Bros., Inc., New York, N. Y., a corporation of New York. Classes 39 and 40.

51,222. **NEW WATERPROOF FLOOR FINISH.** VARNISHES. Registered Apr. 10, 1906. THE DAVID B. CROCKETT COMPANY. Re-renewed Apr. 10, 1946, to The Bissell Varnish Company, Bridgeport, Conn., a corporation of Connecticut. Class 16.

51,251. **"STEPHENSON" AND DRAWING.** BELT-DRESSING. Registered Apr. 10, 1906. STEPHENSON MFG. CO., Albany, N. Y., a corporation of New York. Re-renewed Apr. 10, 1946. Class 4.

51,278. **"BRONZENE" AND DRAWING.** BRONZE-GREEN PAINTS. Registered Apr. 10, 1906. JOHN BRIGGS & Co., Boston, Mass. Re-renewed Apr. 10, 1946, to Acme White Lead & Color Works, Detroit, Mich., a corporation of Michigan. Class 16.

51,309. **"ABRAST" AND DESIGN.** KNIT UNDERWEAR. Registered Apr. 10, 1906. ABRAHAM & STRAUS. Re-renewed Apr. 10, 1946, to Abraham & Straus, Inc., Brooklyn, N. Y., a corporation of New York. Class 39.

51,444. **HUNTLEY & PALMERS.** BISCUITS AND CAKES. Registered Apr. 17, 1906. HUNTLEY & PALMERS, LTD., Reading, England. Re-renewed Apr. 17, 1946, to Huntley & Palmers, Limited, Reading and London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 46.

51,636. **BORO-PHENO-FORM.** SUPPOSITORIES. Registered Apr. 17, 1906. DR. PIERRE CHEMICAL COMPANY. Re-renewed Apr. 17, 1946, to Dr. Pierre Chemical Company, Chicago, Ill., a corporation of Delaware. Class 6.

51,646. **BENZO-FORMOL COMP.** ANTISEPTIC FOR LOCAL AND INTERNAL USE. Registered Apr. 17, 1906. H. K. MULFORD COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Apr. 17, 1946. Class 6.

51,649. **TANICHTHOL.** MEDICINAL PREPARATION IN SUPPOSITORY OR OINTMENT FORM USED AS A LOCAL ANESTHETIC, ANTIPHLOGISTIC, ASTRINGENT, AND HEMOSTATIC. Registered Apr. 17, 1906. H. K. MULFORD COMPANY. Re-renewed Apr. 17, 1946, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. Class 6.

51,677. **TOPAZ.** LUBRICATING-OILS. Registered Apr. 24, 1906. ATLANTIC REFINING COMPANY, Franklin and Philadelphia, Pa. Re-renewed Apr. 24, 1946, to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 15.

51,682. **REPRESENTATIONS OF LIME-TREE BRANCHES.** GLASS BOTTLES. Registered Apr. 24, 1906. L. ROSE & Co. LIMITED, London, England. Re-renewed Apr. 24, 1946, to L. Rose & Co., Limited, St. Albans, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 33.

51,763. **MASTICA.** LIQUID PUTTY OR GLAZING PREPARATION. Registered Apr. 24, 1906. F. O. PIERCE COMPANY, New York, N. Y. Re-renewed Apr. 24, 1946, to F. O. Pierce Company, Long Island City, N. Y., a corporation of New York. Class 16.

51,766. **"HUNTLEY & PALMERS" ETC. AND DESIGN.** BISCUITS AND CAKES. Registered Apr. 24, 1906. HUNTLEY & PALMERS, LTD., Reading, England. Re-renewed Apr. 24, 1946, to Huntley & Palmers, Limited, Reading and London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 46.

51,767. **"HUNTLEY & PALMERS" ETC. AND DESIGN.** BISCUITS AND CAKES. Registered Apr. 24, 1906. HUNTLEY & PALMERS, LTD., Reading, England. Re-renewed Apr. 24, 1946, to Huntley & Palmers, Limited, Reading and London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 46.

52,100. **REGENT.** SPOOL-COTTON. Registered May 1, 1906. JOHN J. CLARK & Co., Pawtucket, R. I. Re-renewed May 1, 1946, to W. Warren Thread Works, Westfield, Mass., a corporation of Massachusetts. Class 43.

52,101. **FAVORITE.** SPOOL-COTTON. Registered May 1, 1906. JOHN J. CLARK & Co., Pawtucket, R. I. Re-renewed May 1, 1946, to W. Warren Thread Works, Westfield, Mass., a corporation of Massachusetts. Class 43.

52,102. **NASSAU MILLS.** SPOOL-COTTON. Registered May 1, 1906. JOHN J. CLARK & Co., Pawtucket, R. I. Re-renewed May 1, 1946, to W. Warren Thread Works, Westfield, Mass., a corporation of Massachusetts. Class 43.

52,314. **"A" IN A TRIANGLE.** CIGARS. Registered May 8, 1906. AMERICAN CIGAR COMPANY. Re-renewed May 8, 1946, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey. Class 17.

52,758. **GOETZ.** MALT EXTRACTS. Registered May 15, 1906. M. K. GOETZ BREWING COMPANY, St. Joseph, Mo., a corporation of Missouri. Re-renewed May 15, 1946. Class 16.

53,143. **"HANAN & SON" AND DRAWING.** LEATHER AND CLOTH BOOTS, SLIPPERS, AND SHOES. Registered May 29, 1906. HANAN & SON, Brooklyn, N. Y. Re-renewed May 29, 1946, to Hanan & Son, Inc., New York, N. Y., a corporation of Delaware. Class 39.

53,171. **WEAREVER.** RUBBER WATER-BOTTLES, RUBBER FOUNTAIN-SYRINGE BAGS, RUBBER ICE-CAPS, AND RUBBER INVALID-RINGS. Registered May 29, 1906. THE FAULTLESS RUBBER CO., Akron, Ohio. Re-renewed May 29, 1946, to The Faultless Rubber Company, Ashland, Ohio, a corporation of Ohio. Class 44.

53,216. **H.** STRIPS OF UNITED STAPLES FOR FASTENING TOGETHER PAPERS WHEN INDIVIDUALLY SEVERED OR SEPARATED. Registered May 29, 1906. THE E. H. HOTCHKISS COMPANY, Norwalk, Conn., a corporation of Connecticut. Re-renewed May 29, 1946. Class 37.

53,240. **"BV" AND DRAWING.** BUTTER. Registered May 29, 1906. BLUE VALLEY CREAMERY COMPANY, St. Joseph, Mo. Re-renewed May 29, 1946, to Beatrice Creamery Company, Chicago, Ill., a corporation of Delaware. Class 46.

54,356. **REPRESENTATION OF TWO CROSSED SWORDS.** RAZORS, POCKET-KNIVES, BUTCHER-KNIVES, KITCHEN-KNIVES, HUNTING-KNIVES, AND TABLE-KNIVES. Registered June 26, 1906. ADOLPH KASTOR & BROS., New York, N. Y. Re-renewed June 26, 1946, to Camillus Cutlery Company, Camillus and New York, N. Y., a corporation of New York. Class 23.

54,521. **"B P S" AND DESIGN.** MIXED PAINTS. Registered June 26, 1906. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio: Re-renewed June 26, 1946. Class 16.

54,946. **QUAKER CITY.** HARD AND SOFT CANDY. Registered Aug. 7, 1906. QUAKER CITY CHOCOLATE AND CONFECTIONERY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Aug. 7, 1946. Class 46.

55,049. **"BEDELL" AND DRAWING.** CLOAKS, DRESS-SKIRTS, DRESS-WAISTS, AND TAILOR-MADE SUITS. Registered Aug. 7, 1906. THE BEDELL COMPANY. Re-renewed Aug. 7, 1946, to Bedell Stores, Inc., New York, N. Y., a corporation of New York. Class 39.

55,882. **RICHELIEU.** GINGER-ALE, ROOT-BEER, LEMON SODA, CELERY PHOSPHATE, CHERRY PHOSPHATE, AND SARSAPARILLA WHEN USED AS A BEVERAGE. Registered Aug. 21, 1906. SPRAGUE, WARNER & COMPANY. Re-renewed Aug. 21, 1946, to Consolidated Grocers Corporation, Chicago, Ill., a corporation of Maryland. Class 45.

56,411. **"NAP-A-TAN" AND DESIGN.** LEATHER BOOTS AND SHOES. Registered Sept. 25, 1906. THE EVANS SHOE CO., East Napa, Calif. Re-renewed Sept. 25, 1946, to Buckingham & Hecht, San Francisco, Calif., a corporation of California. Class 39.

56,427. **VALENTINES VARNISHES.** MIXED PAINTS, VARNISHES, ENAMELS, BLACKS, ROUGH-STUFFS, AND PIGMENTS USED FOR PAINTS. Registered Sept. 25, 1906. VALENTINE & COMPANY. Re-renewed Sept. 25, 1946, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware. Class 16.

210,939. **LITTLE WOMEN.** TEXTILE HOSIERY. Registered Mar. 30, 1926. BEAR BRAND HOSIERY CO., Chicago, Ill. Renewed Mar. 30, 1946, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill., a corporation of Illinois. Class 39.

211,138. **"YARD LONG" AND DESIGN.** MEN'S WORK SHIRTS. Registered Apr. 6, 1926. CARSON PIRIE SCOTT & CO., Chicago, Ill. Renewed Apr. 6, 1946, to Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Class 39.

211,158. **VITAMUL.** COD-LIVER OIL AND EMULSIONS THEREOF. Registered Apr. 6, 1926. TAILBY-NASON CO., Boston, Mass. Renewed Apr. 6, 1946, to Tailby-Nason Company, Cambridge, Mass., a corporation of Maine. **Class 6.**

211,233. **AWINC.** INSECTICIDES. Registered Apr. 6, 1926. ANDREW WILSON, INC., Springfield, N. J., a corporation of New Jersey. Renewed Apr. 6, 1946. Class 6.

211,292. **MOROLA.** NUT MARGARINE. Registered Apr. 6, 1926. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Apr. 6, 1946. Class 46.

211,802. **VITALIZED WATER.** WATER FOR DRINKING PURPOSES. Registered Apr. 20, 1926. CAROLYN S. SMITH, New York, N. Y. Renewed Apr. 20, 1946. Class 45.

211,820. **COUNTRY CLUB.** LEAF LARD AND MEATS—NAMELY, HAMS, HAMS KNOWN AS "PICNICS", COTTAGE BUTTS, BREAKFAST BACON, SLICED BREAKFAST BACON, BACON SQUARES, PORK SAUSAGE. Registered Apr. 20, 1926. KROGER GROCERY & BAKING CO. Renewed Apr. 20, 1946, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Class 46.

212,236. **C.** VEHICLE HUB CAPS. Registered Apr. 27, 1926. CHRYSLER SALES CORPORATION. Renewed Apr. 27, 1946, to Chrysler Corporation, Detroit, Mich., a corporation of Delaware. Class 19.

212,289. **"SVW" ETC. AND DESIGN.** READY-MIXED PAINTS. Registered Apr. 27, 1926. STANDARD VARNISH WORKS, New York, N. Y. Renewed Apr. 27, 1946, to Standard Varnish Works, Staten Island, N. Y., a corporation of New York. Class 16.

212,322. **WILLIAMS RAPIDUCTION.** THREADING MACHINES. Registered Apr. 27, 1926. WILLIAMS TOOL CORPORATION, Erie, Pa. Renewed Apr. 27, 1946, to The Oster Manufacturing Company, Cleveland, Ohio, a corporation of Ohio. Class 23.

212,442. **TIN-APA.** CANNED, SMOKED, AND KIPPERED FISH. Registered May 4, 1926. VAN CAMP SEA FOOD CO., Fish Harbor, East San Pedro, Calif. Renewed May 4, 1946, to Van Camp Sea Food Co. Inc., Terminal Island, Calif., a corporation of California. Class 46.

212,704. **BLOSSOM.** CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, BOTTLED ONIONS, CANNED PORK AND BEANS, OLIVES, COFFEE, TEA, CANDY, PEANUT BUTTER, APPLE BUTTER, AND CERTAIN OTHER NAMED GROCERIES. Registered May 11, 1926. DURAND-MCNEIL-HORNER CO. Renewed May 11, 1946, to Consolidated Grocers Corporation, Chicago, Ill., a corporation of Maryland. Class 46.

213,283. **"CLOVER HILL".** CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, CANNED HAWAIIAN PINEAPPLE, FRUIT PRESERVES, PEANUT BUTTER, FRUIT JELLY, TEA, COFFEE, DRIED CODFISH, AND CERTAIN OTHER NAMED GROCERIES. Registered May 25, 1926. DURAND-MCNEIL-HORNER CO. Renewed May 25, 1946, to Consolidated Grocers Corporation, Chicago, Ill., a corporation of Maryland. Class 46.

213,425. **"EDGEWOOD" ETC. AND DESIGN.** SHOES MADE OF LEATHER OR RUBBER AND FABRIC OR A COMBINATION OF THOSE MATERIALS. Registered May 25, 1926. J. K. ORR SHOE COMPANY, Atlanta, Ga. Renewed May 25, 1946, to General Shoe Corporation, Nashville, Tenn., a corporation of Tennessee. Class 39.

213,899. **"DR. PIERRE CHEM. CO." AND DESIGN.** SUPPOSITORIES FOR PREVENTION AND ALLEVIATION OF DISEASES OF THE PELVIC ORGANS PECULIAR TO WOMEN, VENEREAL DISEASES, AND PILES. Registered June 8, 1926. DR. PIERRE CHEMICAL CO. Renewed June 8, 1946, to Dr. Pierre Chemical Company, Chicago, Ill., a corporation of Delaware. Class 6.

213,912. **NONE-SUCH.** FRESH GRAPEFRUIT, MARINATED HERRING, BRUSSELS SPROUTS, SHREDDED COCONUT, PLUM PUDDING, TOASTED CORN FLAKES, CEREAL BREAKFAST FOOD, GELATIN DESSERT, AND CERTAIN OTHER NAMED FOODS. Registered June 8, 1926. DURAND-MCNEIL-HORNER CO. Renewed June 8, 1946, to Consolidated Grocers Corporation, Chicago, Ill., a corporation of Maryland. Class 46.

213,992. **EXTRA DRY ESOTOO.** LIQUID SULPHUR DIOXIDE. Registered June 8, 1926. VIRGINIA SMELTING COMPANY, Portland, Maine, a corporation of Maine. Renewed June 8, 1946. Class 6.

214,014. **"DR. PIERRE'S" AND DRAWING.** SUPPOSITORIES FOR PREVENTION AND ALLEVIATION OF DISEASES OF THE PELVIC ORGANS PECULIAR TO WOMEN, VENEREAL DISEASES, AND PILES. Registered June 8, 1926. DR. PIERRE CHEMICAL CO. Renewed June 8, 1946, to Dr. Pierre Chemical Company, Chicago, Ill., a corporation of Delaware. Class 6.

214,172. **DEBUTANTE.** HAND BAGS. Registered June 15, 1926. COHN & ROSENBERGER, INC. Renewed June 15, 1946, to Coro, Inc., New York, N. Y., a corporation of New York. Class 3.

214,214. **"LUSTRE" AND DESIGN.** CLEANING PREPARATIONS FOR KITCHEN, HOUSEHOLD, AND LAUNDRY USES. Registered June 15, 1926. LUSTRE CHEMICAL CORPORATION. Renewed June 15, 1946, to H. & W. Chemicals, Inc., Rochester, N. Y., a corporation of New York. Class 4.

214,633. **ELEKTROLUX.** ALL KINDS OF REFRIGERATING APPARATUS, REFRIGERATING MACHINES, AND REFRIGERATORS. Registered June 29, 1926. AKTIEBOLAGET ELEKTROLUX, Stockholm, Sweden. Renewed June 29, 1946, to Servel, Inc., New York, N. Y., a corporation of Delaware. Class 31.

214,850. **MOON.** RAZOR BLADES. Registered July 6, 1926. OTTO ROTH, INC., Newark, N. J. Renewed July 6, 1946, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. Class 23.

214,929. **"PURITY" AND DESIGN.** TISSUE PAPER, VEGETABLE PARCHMENT, WAX PAPER, PAPER EXCELSIOR, AND PAPER NAPKINS, GLASSINE PAPER, AND ENROBER DIPPING PAPER. Registered July 6, 1926. BROOKS PAPER COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed July 6, 1946. Class 37.

215,082. **"SAT INA" AND DESIGN.** HAIR GROWER. Registered July 13, 1926. RACHEL LEWIS. Renewed July 13, 1946, to Charlotte Lewis, Buffalo, N. Y. Class 6.

215,158. **DOUBLE A.** CLOTHES OR LAUNDRY WASHING MACHINES. Registered July 13, 1926. ALTORFER BROS. COMPANY, East Peoria, Ill. Renewed July 13, 1946, to Altorfer Bros. Company, Peoria, Ill., a corporation of Illinois. Class 24.

215,265. **"JACK FROST" AND DRAWING.** ELECTRIC FANS. Registered July 13, 1926. GALVIN ELECTRIC MANUFACTURING COMPANY. Renewed July 13, 1946, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri. Class 21.

215,524. **ARABY.** TALCUM POWDER, FACE POWDER, COLD CREAM, LIP STICKS, DENTAL CREAM, PERFUME, AND TOILET WATER. Registered July 20, 1926. LEVER BROTHERS COMPANY, Cambridge, Mass., a corporation of Maine. Renewed July 20, 1946. Class 6.

215,641. **"SEAMAN PAPER COMPANY" ETC. AND DESIGN.** PRINTING PAPER. Registered July 20, 1926. SEAMAN PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 20, 1946. Class 37.

215,796. **PARAMOUNT.** FOOD-FLAVORING EXTRACTS, ESSENCES, AND COMPOUNDS. Registered July 27, 1926. PARAMOUNT LABORATORIES, INC., Binghamton, N. Y., a corporation of New York. Renewed July 27, 1946. Class 46.

215,961. **"LE CONTE" ETC. AND DRAWING.** SMOOTH-SURFACE ASPHALT READY ROOFING. Registered Aug. 3, 1926. C. M. MCCLUNG & CO., INC., Knoxville, Tenn., a corporation of Tennessee. Renewed Aug. 3, 1946. Class 12.

216,030. **NUMBER 1.** PROTECTIVE COATINGS FOR THE INSIDE OF BOILER DRUMS AND BOILER AND ECONOMIZER TUBES, ETC. Registered Aug. 3, 1926. THE DAMPNEY COMPANY OF AMERICA, Boston, Mass., a corporation of Massachusetts. Renewed Aug. 3, 1946. Class 16.

216,169. **"AFG" AND DESIGN.** FRESH CITROUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH BERRIES, FRESH GRAPES, WATERMELONS, CANTALOUPES, CASABA MELONS, HONEY DEW MELONS, PINEAPPLES, CANNED FRUITS, FRESH FIGS AND DATES, FRESH VEGETABLES. Registered Aug. 3, 1926. AMERICAN FRUIT GROWERS INCORPORATED, Wilmington, Del., and Pittsburgh, Pa. Renewed Aug. 3, 1946, to American Fruit Growers Incorporated, Pittsburgh, Pa., a corporation of Delaware. Class 46.

216,427. **BABY-SAN.** SOAP. Registered Aug. 10, 1926. HUNTINGTON LABORATORIES, INC., Huntington, Ind., a corporation of Indiana. Renewed Aug. 10, 1946. Class 4.

216,743. **NITRO EXPRESS.** AMMUNITION. Registered Aug. 17, 1926. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., and Ilion and New York, N. Y. Renewed Aug. 17, 1946, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware. Class 9.

216,779. **SUPRE-MACY.** GOLF BALLS. Registered Aug. 17, 1926. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed Aug. 17, 1946. Class 22.

216,941. **TRUVAL.** METAL FILING CABINETS. Registered Aug. 24, 1926. THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio, a corporation of Ohio. Renewed Aug. 24, 1946. Class 32.

217,005. **LANDMATIC.** DIE HEADS. Registered Aug. 24, 1926. LANDIS MACHINE COMPANY, Waynesboro, PA., a corporation of Pennsylvania. Renewed Aug. 24, 1946. Class 23.

217,038. **"JUMBO" AND DESIGN.** PLUG TOBACCO AND CIGARETTES. Registered Aug. 24, 1926. LARUS & BROTHER COMPANY, INCORPORATED, Richmond, Va., a corporation of Virginia. Renewed Aug. 24, 1946. Class 17.

217,084. **"BOQUET SUPREME" AND DESIGN.** CERTAIN NAMED TOILET PREPARATIONS; AND PERFUMES, FOOT POWDERS, SMELLING SALTS, AND INCENSES. Registered Aug. 24, 1926. LEIGH CHEMIST, INC., New York, N. Y. Renewed Aug. 24, 1946, to Shulton, Inc., Hoboken, N. J. and New York, N. Y., a corporation of New Jersey. Class 6.

217,157. **CHARM VOILE.** COTTON DRESS GOODS IN THE PIECE. Registered Aug. 24, 1926. EDWIN E. BERLINER & CO. Renewed Aug. 24, 1946, to Edwin E. Berliner & Co., New York, N. Y., a firm of limited partnership. Class 42.

217,225. **ZOLGAS.** LIQUID FUELS FOR HIGH-COMPRESSION MOTORS. Registered Aug. 31, 1926. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Aug. 31, 1946. Class 15.

217,327. **NEW ERA.** LEATHER POLISH. Registered Aug. 31, 1926. WHITTEMORE BROS. CORP., Cambridge, Mass., a corporation of Massachusetts. Renewed Aug. 31, 1946. Class 4.

217,334. **BALLOON.** TANK BULBS. Registered Aug. 31, 1926. J. A. SEXAUER MFG. CO., INC., New York, N. Y., a corporation of New York. Renewed Aug. 31, 1946. Class 13.

217,402. **FAVORITE.** EXPANDING FILES OF PAPER AND/OR FABRIC, LETTER AND INVOICE FILES OF PAPER AND/OR FABRIC, EXPANDING ENVELOPES, METAL CLIPS, METAL BOARD CLIPS, AND BINDERS. Registered Aug. 31, 1926. THE COOK AND COBB COMPANY, Brooklyn, N. Y. Renewed Aug. 31, 1946, to The Cook & Cobb Company, New York, N. Y., a corporation of New York. Class 37.

217,479. **"GOSLING" ETC. AND DESIGN.** MOCCASINS WHICH ARE MADE OF BUCKSKIN. Registered Aug. 31, 1926. GIDEON F. GOSSELIN & SONS, St. Paul, Minn., a firm. Renewed Aug. 31, 1946. Class 39.

217,589. **THE FITZGIBBONS BOILER.** STEAM AND HOT-WATER BOILERS. Registered Sept. 7, 1926. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Sept. 7, 1946. Class 34.

217,620. **A.M.C.** MEN'S NEGLIGEE SHIRTS. Registered Sept. 7, 1926. ASSOCIATED MERCHANDISING CORPORATION. Renewed Sept. 7, 1946, to Associated Merchandising Corporation, New York, N. Y., a corporation of New York. Class 39.

217,649. **"RING TING" AND DESIGN.** HOSIERY. Registered Sept. 7, 1926. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 7, 1946. Class 39.

217,650. **"LITTLE COLONEL" AND DESIGN.** CHILDREN'S PLAY SUITS. Registered Sept. 7, 1926. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 7, 1946. Class 39.

217,855. **GOTHIC.** WATCHES. Registered Sept. 14, 1926. GOTHIC WATCH CO. INC. Renewed Sept. 14, 1946, to Gothic Jarproof Watch Corp., New York, N. Y., a corporation of New York. Class 27.

218,043. **REPRESENTATION OF A RHOMB.** TRAILERS. Registered Sept. 21, 1926. FRUEHAUF TRAILER COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Sept. 21, 1946. Class 19.

218,052. **"JAYSON" AND DESIGN.** MEN'S AND BOYS' COATS, TROUSERS, VESTS, AND OVERCOATS. Registered Sept. 21, 1926. LEVINSOHN BROS. & CO., INC., New York, N. Y., a corporation of New York. Renewed Sept. 21, 1946. Class 39.

218,055. **"HOMESTEAD" AND DRAWING.** PORCELAIN WARE. Registered Sept. 21, 1926. EUGENE L. FONDEVILLE, doing business as A. J. Fondeville & Co. Renewed Sept. 21, 1946, to Fondeville & Co., Inc., New York, N. Y., a corporation of New York. Class 30.

218,094. **"WORUMBO" ETC. AND DESIGN.** COATS AND SUITS FOR MEN, WOMEN, AND CHILDREN. Registered Sept. 21, 1926. WORUMBO MANUFACTURING COMPANY, Bath, Maine. Renewed Sept. 21, 1946, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine. Class 39.

218,095. **"WORUMBO" ETC. AND DESIGN.** COATS AND SUITS FOR MEN, WOMEN, AND CHILDREN. Registered Sept. 21, 1926. WORUMBO MANUFACTURING COMPANY, Bath, Maine. Renewed Sept. 21, 1946, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine. Class 39.

218,113. **"BLU-J" AND DRAWING.** FRESH APPLES. Registered Sept. 21, 1926. SCAMPAVIA BROS., Watsonville, Calif., a firm. Renewed Sept. 21, 1946. Class 46.

218,117. **"AUTO LYE" AND DRAWING.** LYE. Registered Sept. 21, 1926. CHAMPION CHEMICAL WORKS, INC., Chicago, Ill. Renewed Sept. 21, 1946, to Champion Chemical Works, Incorporated, New York, N. Y., a corporation of New York. Class 6.

218,134. **TROPIC-FELT.** FELT HATS FOR MEN AND YOUNG MEN. Registered Sept. 21, 1926. F. R. TRIPLER & CO., INC., New York, N. Y., a corporation of New York. Renewed Sept. 21, 1946. Class 39.

218,135. **VELVOLEUM.** DESK TOPS FOR OFFICE DESKS AND THE LIKE. Registered Sept. 21, 1926. THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio, a corporation of Ohio. Renewed Sept. 21, 1946. Class 32.

218,187. **HOME.** TOOTHPICKS. Registered Sept. 21, 1926. GRIGGS, COOPER & COMPANY. Renewed Sept. 21, 1946, to Griggs, Cooper & Company, St. Paul, Minn., a corporation of Delaware. Class 44.

218,227. **ELVACUT.** LAWN MOWERS, FIELD MOWING MACHINES, GRAIN HARVESTERS, AND PARTS THEREOF. Registered Sept. 21, 1926. H. C. DODGE INCORPORATED, Boston, Mass., a corporation of Massachusetts. Renewed Sept. 21, 1946. Class 23.

218,262. **"MI CHEVEE" ETC. AND DESIGN.** WATCH CRYSTALS. Registered Sept. 21, 1926. C. & E. MARSHALL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 21, 1946. Class 33.

218,264. **UTILITY SERVICE.** DINNER SETS, BREAKFAST SETS, AND SIMILAR CHINA OR PORCELAIN WARE. Registered Sept. 21, 1926. B. ALTMAN & CO., New York, N. Y., a corporation of New York. Renewed Sept. 21, 1946. Class 30.

218,299. **VALMOR.** FACE POWDER, TALCUM POWDER, ROUGE, LIP STICK, EYEBROW PENCIL, COLD CREAM, VANISHING CREAM, MASSAGE CREAM, AND CERTAIN OTHER NAMED COSMETICS AND PHARMACEUTICAL PREPARATIONS. Registered Sept. 21, 1926. VALMOR HEALTH PRODUCTS CO. Renewed Sept. 21, 1946, to Valmor Products Co., Chicago, Ill., a firm. Class 6.

218,381. **EXPOSITION BAND.** MOUTH HARMONICAS. Registered Sept. 28, 1926. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed Sept. 28, 1946. Class 36.

218,386. **LIGHTNING HOT DROPS.** LIQUID MEDICINE TO ALLEVIATE PAIN FOR INTERNAL AND EXTERNAL USE. Registered Sept. 28, 1926. THE HERB MEDICINE CO., Springfield, Ohio, a corporation of Ohio. Renewed Sept. 28, 1946. Class 6.

218,465. **DOUBLE Q.** CANNED FRUITS AND VEGETABLES AND CANNED FISH. Registered Sept. 28, 1926. P. E. HARRIS & CO., Seattle, Wash., a corporation of Washington. Renewed Sept. 28, 1946. Class 46.

218,470. **"LETTER-BOX" AND DRAWING.** BOXES OF PAPER, PAPER BOARD, BOXBOARD, OR LIKE MATERIAL. Registered Sept. 28, 1926. THE MASON BOX COMPANY, North Attleboro, Mass. Renewed Sept. 28, 1946, to The Mason Box Company, Attleboro Falls, Mass., a corporation of Massachusetts. Class 2.

218,483. **LEEDO.** CERTAIN PIECE GOODS. Registered Sept. 28, 1926. GOODALL WORSTED CO. Renewed Sept. 28, 1946, to Goodall-Sanford-Inc., Sanford, Maine, a corporation of Maine. Class 42.

218,495. **"ABBA-ZABA" AND DRAWING.** CANDY. Registered Sept. 28, 1926. COLBY & MCDERMOTT, Los Angeles, Calif., a firm. Renewed Sept. 28, 1946. Class 46.

218,496. **"MOCCASOLE" AND DESIGN.** LEATHERS. Registered Sept. 28, 1926. CHICAGO TANNING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 28, 1946. Class 1.

218,506. **BARKROM.** FULL-GRAINED AND BUFFED SOLE LEATHER. Registered Sept. 28, 1926. ALPENA LEATHER CORPORATION, Buffalo, N. Y. Renewed Sept. 28, 1946, to J. Greenebaum Tanning Co., Chicago, Ill., a corporation of Illinois. Class 1.

218,567. **"CUSTOMAIRE" ETC.** MEN'S OVERCOATS AND MEN'S SUITS. Registered Sept. 28, 1926. L. STRAUSS & CO., Indianapolis, Ind. Renewed Sept. 28, 1946, Hickey-Freeman Company, Rochester, N. Y., a corporation of New York. Class 39.

218,570. **MENU.** ALIMENTARY PASTES. Registered Sept. 28, 1926. THE F. PEPE MACARONI CO. INC., Waterbury, Conn., a corporation of Connecticut. Renewed Sept. 28, 1946. Class 46.

218,576. **COLEO.** SHAMPOO. Registered Sept. 28, 1926. COLGATE & COMPANY. Renewed Sept. 28, 1946, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 6.

218,587. **CAPRI.** ALIMENTARY PASTES. Registered Sept. 28, 1926. THE F. PEPE MACARONI CO. INC., Waterbury, Conn., a corporation of Connecticut. Renewed Sept. 28, 1946. Class 46.

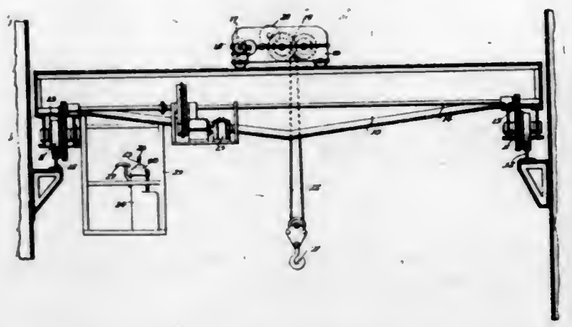
218,630. **THE BROOKLYN CITIZEN.** EVENING AND SUNDAY NEWSPAPER. Registered Sept. 28, 1926. THE BROOKLYN CITIZEN, Brooklyn, N. Y., a corporation of New York. Renewed Sept. 28, 1946. Class 38.

218,664. **"A & S" AND DESIGN.** SHOE LASTS, ANIMAL TRAPS, RAT TRAPS, RUBBER CLOTH, RUBBER MATS, PLASTER BAS-RELIEFS, STATUARY, STATUETTES, METALLIC BINDINGS FOR OILCLOTHS, AND CERTAIN OTHER NAMED ARTICLES OF MERCHANDISE. Registered Sept. 28, 1926. ABRAHAM & STRAUS, INC., New York, N. Y. Renewed Sept. 28, 1946, to Abraham & Straus, Inc., Brooklyn, N. Y., a corporation of New York. Class 50.

REISSUES

SEPTEMBER 3, 1946

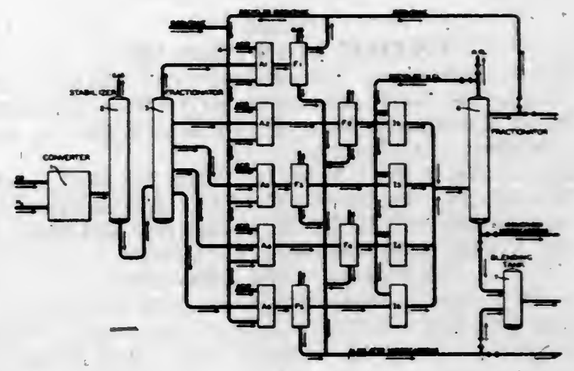
22,785
CRANE CONTROLLING SYSTEM
Murray G. Clay, Chicago, Ill.
Original No. 2,391,881, dated January 1, 1946, Serial No. 538,593, June 3, 1944. Application for reissue March 27, 1946, Serial No. 657,466
29 Claims. (Cl. 212—21)



1. A crane controlling system for operating a lifting hook in three dimensions of space, comprising three separate reversible driving motors each for operating the hook in one of the respective dimensions, a single controlling member movable in three space dimensions, and reversing switch contacts with independent circuit connections for the motors each arranged to be actuated, operated and controlled by corresponding movement of the controlling member in one or more of said dimensions for respectively actuating any one, two, or all three of the motors at the same time.

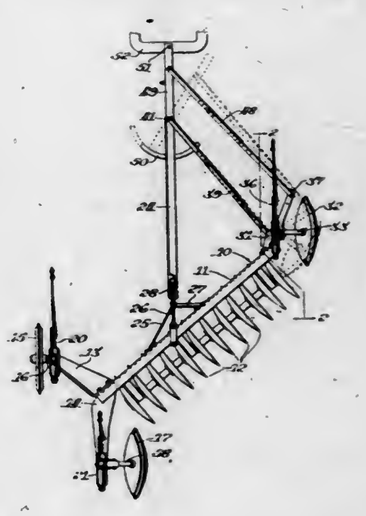
22,786
MANUFACTURE OF HIGH ANTIKNOCK HYDROCARBONS
Arthur R. Goldsby, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Original No. 2,303,735, dated December 1, 1942, Serial No. 318,219, February 10, 1940. Application for reissue May 14, 1943, Serial No. 487,037
13 Claims. (Cl. 260—683.4)

11. The method of improving the anti-knock value of a narrow cut normally liquid gasoline fraction of relatively low anti-knock value having an end boiling point not more than about 25 to 75° F. higher than its initial boiling point and containing substantial proportions of normally liquid straight chain olefin and paraffin hydrocarbons, which comprises reacting the said fraction with a low-boiling isoparaffin boiling below the boiling range of said fraction in the presence of an alkylation catalyst under alkylating conditions, whereby the isoparaffin is alkylated by the olefin of said fraction to produce alkylated hydrocarbons of relatively high anti-knock value boiling largely above the boiling range of said charge fraction, fractionating the hydrocarbon reaction products of said alkylation reaction to separate the same into a higher boiling alkylate, lower boiling products, and a fraction of intermediate boiling range approximating the boiling range of the said charge fraction and containing mainly unreacted straight chain paraffin hydrocarbons, subjecting the said intermediate boiling range fraction to a conversion treatment to produce products of higher anti-knock value, and blending at least a portion of said conversion products



of higher anti-knock value with said higher boiling alkylate to produce motor fuel of high anti-knock value.

22,787
PLOW
Arthur A. Scarlett, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey
Original No. 2,184,438, dated December 26, 1939, Serial No. 213,635, June 14, 1938. Application for reissue September 12, 1945, Serial No. 615,901
14 Claims. (Cl. 97—53)

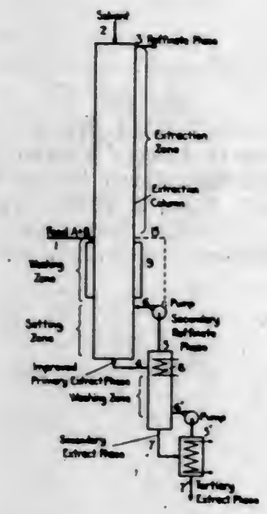


14. A plow construction comprising a plow beam, means supporting the plow beam including a wheel adjacent one end thereof, a stub axle having a portion extending axially from the wheel and a second portion extending at a substantial angle to the first portion and forming means about which the wheel may be swung with respect to the beam, means for elevating the plow beam with respect to the supporting means, a first draw-bar extending from the beam at a point

spaced from the said wheel, a second draw-bar connected to the stub axle of the wheel at a point adjacent the axially extending portion thereof, said second draw-bar extending therefrom in converging relation to the first draw-bar and connected to the latter, a member laterally pivoted on one of the draw-bars, and means connecting the member and the stub axle at a point spaced from the point of connection of the second draw-bar for swinging the wheel with respect to the plow beam for turns.

22,788
EXTRACTION PROCESS
Willem Johannes Dominicus van Dijck, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Original No. 2,081,720, dated May 25, 1937, Serial No. 694,280, October 19, 1933. Application for reissue March 15, 1946, Serial No. 654,663. In the Netherlands November 18, 1930
23 Claims. (Cl. 196—13)

1. In a countercurrent process for extracting a liquid mixture of hydrocarbons wherein a raffinate phase flows in contact with and countercurrently to an extract phase the step of maintaining a gradual temperature drop within the

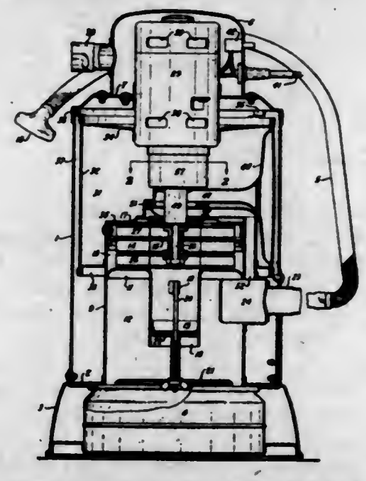


mixture of the two flowing phases in the direction of flow of the extract phase.

PATENTS

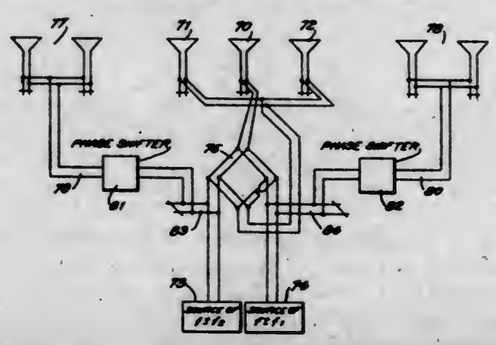
GRANTED SEPTEMBER 3, 1946

2,406,733
SUCTION CLEANER
Louis K. Acheson, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 26, 1943, Serial No. 484,510
11 Claims. (Cl. 183—57)



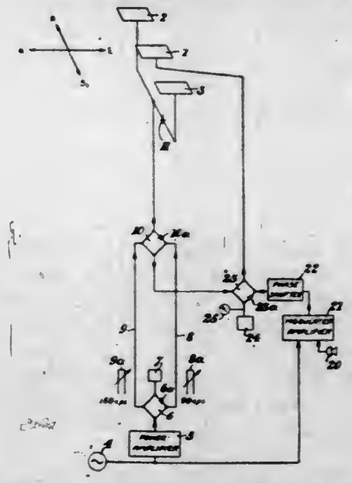
1. In a suction cleaner of the type having an initial dirt separator, suction-creating means to draw air from said initial separator and including a fan and a motor directly connected thereto, and a final dirt separator to receive air from said suction-creating means; a dirt-removing unit to remove dirt from said final separator and to transport it to said initial separator and including a movable element, and power-transmitting and speed-reducing means connecting said movable element to said motor to actuate said element in the operation of said cleaner at a speed less than the speed of fan.

2,406,734
GLIDE PATH BEACON
Andrew Alford, New York, N. Y., assignor to Federal Telephone & Radio Corporation, a corporation of Delaware
Application February 1, 1940, Serial No. 316,732
12 Claims. (Cl. 250—11)



1. The method of producing a desired resultant directive radiation pattern for radio beacons which comprises radiating a given amount of energy to produce a directive radiation pattern having a given center of radiation, superposing on said produced radiation pattern a modifying wave by radiating a smaller amount of energy in the order of from one tenth to one fiftieth of said given amount of energy forming a radiation pattern having a center or radiation displaced with respect to said given center of radiation a distance of several wavelengths at the operating frequency, and variably adjusting the phase relation of said produced patterns to produce the directional desired characteristics of said resultant radiation pattern.

2,406,735
MULTISIGNAL RADIATING SYSTEM
Andrew Alford, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application January 30, 1943, Serial No. 474,094
13 Claims. (Cl. 250—9)

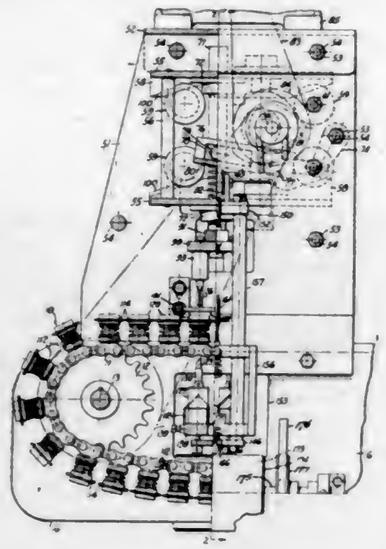


1. A system for simultaneously applying two signals on the same carrier frequency wavelength to a common useful load which comprises a first signaling means for producing a first side band component and a first carrier component, second signaling means for producing a second side band component and a second carrier component, common load means, a balancing dissipating element simulating the impedance of said common load means, a balanced network connected to transfer energy from said first and second signaling means to said common load means and with a relative phase reversal to said balancing element while maintaining substantial conjugacy between said first and second signaling means, and carrier synchronizing means for maintaining said first and second carrier components at the same frequency and in a predetermined phase relation such as to minimize the absorption of carrier energy in said balancing element.

2,406,736
PITTING MACHINE
George W. Ashlock, Jr., Oakland, Calif.
Application March 31, 1944, Serial No. 528,871
16 Claims. (Cl. 146—27)

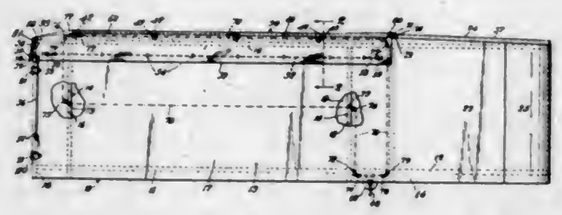
1. In combination, a conveyor movable over a path and having a plurality of receptacles to receive fruit, a plunger movably positioned above the conveyor and adapted to be moved to engage and enter a fruit in a receptacle, a coring knife movably positioned below said conveyor and substantially in alignment with said plunger and

movable to enter a receptacle through its bottom and cut a core into a fruit to the pit therein, means for first substantially simultaneously moving said plunger and said knife toward each other to retain said fruit in position in the receptacle during cutting of said core by said knife and for forcing said pit into seating engagement on said knife in which position it is retained, said



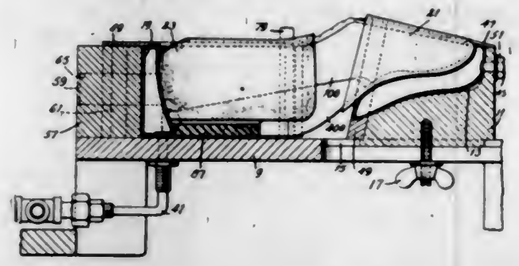
moving means then moving the plunger toward the knife and retracting the knife from the fruit with the pit positioned between the plunger and the knife until the end of the pit engaged by the plunger is free of the fruit, said moving means finally withdrawing the plunger from the fruit, and means for rotating the coring knife during cutting of the core.

2,406,737
TRAILER TOP
Donald Earl Bramble, Chicago, Ill., assignor of one-half to Theodore Bjorn, Chicago, Ill.
Application January 27, 1944, Serial No. 519,862
7 Claims. (Cl. 296—105)



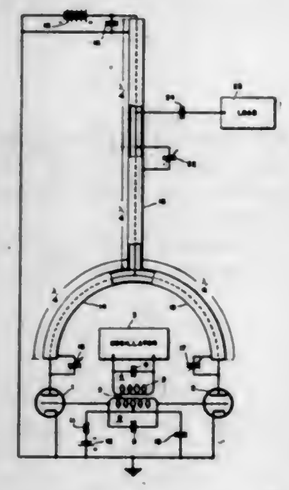
1. In combination with a vehicle body having an open top, sides extending to the top of the body, a permanent front portion having a roof and a transverse member at the rear of the roof with a vertical portion, a tarpaulin having its front edge anchored to said portion, cross bows having antifriction members movable along the top of the sides and associated therewith to prevent lateral and upward displacement of the cross bows, connections between the cross bows and the tarpaulin, a collapsible ridge-pole extending longitudinally of the body at the bows and movable with certain of the latter to a collapsed position at the front portion, and means connected to the rear cross bow to move the cross bows and tarpaulin to positions to cover and uncover the body.

2,406,738
APPARATUS FOR USE IN STIFFENING UPPERS OF SHOES
John J. Brophy, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application November 22, 1944, Serial No. 564,605. Divided and this application August 10, 1945, Serial No. 610,110
7 Claims. (Cl. 12—51)



1. Apparatus for use in stiffening the front and rear portions of the upper of a lasted shoe, there being incorporated in the two portions non-fused resinous stiffening material capable of being caused to coalesce by heat, said apparatus comprising two supports including yielding members against which the two portions of the shoe rest, means for exerting pressure through the flexible members upon the two portions of the upper to press them against the last, and means for subjecting the pressed portions to the heating effect of a high-frequency field.

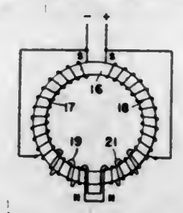
2,406,739
FREQUENCY DOUBLER
William T. Brown, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application April 12, 1945, Serial No. 588,009
7 Claims. (Cl. 250—36)



1. In a frequency doubler, a resonant system comprising a pair of transmission lines having one terminal of each mutually connected, each of said transmission lines having resonant properties substantially equivalent to a resonant transmission line of an effective length equal to one-quarter of a wave length at a predetermined frequency, a third resonant transmission line having one terminal connected to the mutually connected terminals of said pair of transmission lines and having resonant properties substantially equivalent to a resonant transmission line of an effective length equal to one-half of a wave

length at said predetermined frequency, means for alternately impressing upon the other terminals of said pair of transmission lines voltage impulses at a frequency equal to one-half of said predetermined frequency, and a utilization circuit coupled to said third transmission line.

2,406,740
KEYSTONE CORRECTION APPARATUS
John A. Buckbee, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application February 14, 1944, Serial No. 522,311
3 Claims. (Cl. 250—157)



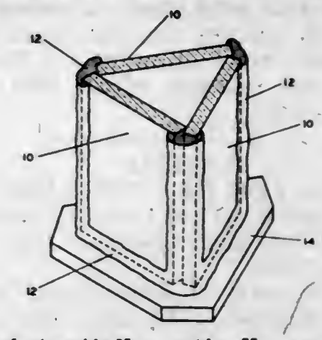
1. An electromagnet deflecting system for a cathode ray tube comprising, an annular ferromagnetic core disposed about the electron path of said tube, a first deflecting coil wound about said core in a manner to produce within the space enclosed by said core a unidirectional electromagnetic field of substantially uniform intensity distribution, and a second deflecting coil wound similarly to said first coil about only a portion of said core in a manner to produce within the space enclosed by said core a unidirectional electromagnetic field of non-uniform intensity distribution, said two fields being similarly poled and combining to form a composite unidirectional electromagnetic field of divergent intensity distribution.

2,406,741
VITAMIN B-COMPLEX TABLET
Walter A. Compton and Richard S. Nicholls, Elkhart, Ind., assignors to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
No Drawing. Application October 5, 1942, Serial No. 460,832
8 Claims. (Cl. 167—81)

2. A dry tablet of vitamin B-complex comprising in combination essentially, and in intimate admixture, a large quantity of amphoteric milk protein having an isoelectric point below pH of 7 and upwardly from pH of 6 in the base of the tablet, and small quantities of vitamins of the B-complex including at least one which is unstable in alkaline surroundings and selected from the group consisting of thiamin, riboflavin and a salt of pantothenic acid, and including free nicotinamide, the latter being characterized by instability and reversion to nicotinic acid form in a strongly acid medium of a character tending to stabilize said selected vitamin, said protein by its amphoteric character and buffering action at a pH from 6 to and under 7 providing stability to all of said unstable vitamins.

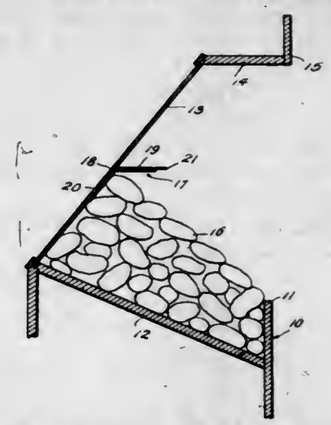
2,406,742
MOLD FOR USE IN THE MANUFACTURE OF OPTICAL ELEMENTS
Dexter P. Cooper, Jr., Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application September 2, 1942, Serial No. 457,032
13 Claims. (Cl. 18—34)

6. A mold for use in the formation of an optical element of polymerized synthetic plastic material or the like which formation is effected at a temperature not exceeding a predetermined temperature, said mold comprising, in combination, a plurality of mold walls having molding



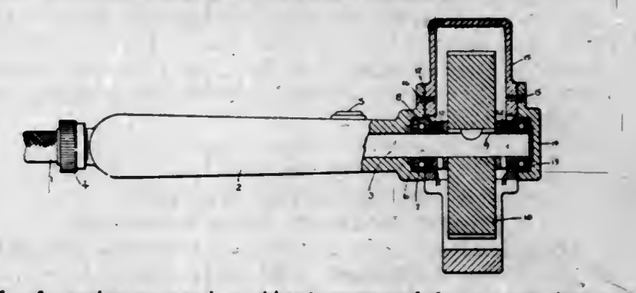
surfaces substantially optically smooth and defining the outer surfaces of the mold cavity, and a fusible cement bonding said walls together, said cement having a melting point not greatly in excess of said predetermined temperature.

2,406,743
REFLECTED PRICE TAG OR THE LIKE
Enoch E. Crowson, Greenville, S. C.
Application July 12, 1944, Serial No. 544,553
7 Claims. (Cl. 40—125)



1. A bin for supporting produce or the like and having a vertically inclined mirror adjacent to its rear, the mirror extending forwardly toward its upper end and extending above the produce, a card, and means mounted upon the front face of the mirror and supporting the card in a generally horizontal position adjacent to the mirror and above the produce, the card having indicia upon its upper face, the arrangement being such that the reflected image of the card is superimposed on the reflected image of the produce.

2,406,744
ROTARY CAST CUTTER
Buford L. Cryar, Albertville, Ala.
Application March 23, 1945, Serial No. 584,310
3 Claims. (Cl. 30—167)



1. A rotary cast-cutter, comprising a rotary cutting blade, a housing for the blade, a shaft

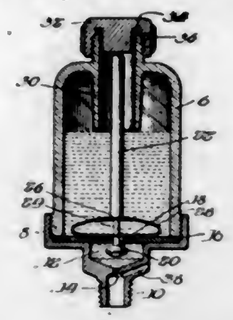
on which the blade is fixed, a side handle forming a bearing for the shaft, anti-friction bearings for the shaft, one carried by the handle and the other supported by the housing, a flexible drive shaft coupled with said shaft, a hollow end handle forming a conduit for dirt and chips and having an outlet connection, and a foot projecting beneath the cutting blade and supported from the housing.

2,406,745
MEANS FOR CAPPING TUBING
Max Curtze, Los Angeles, Calif., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York
Application January 21, 1943, Serial No. 473,059
4 Claims. (Cl. 138—89)



1. A device for temporarily capping tubing, including a sheet of material having an adhesive surface for application directly to the tubing over the end of a length of tubing, and a relatively stiff disk carried by said sheet for insertion in the end of the tubing when the sheet is applied.

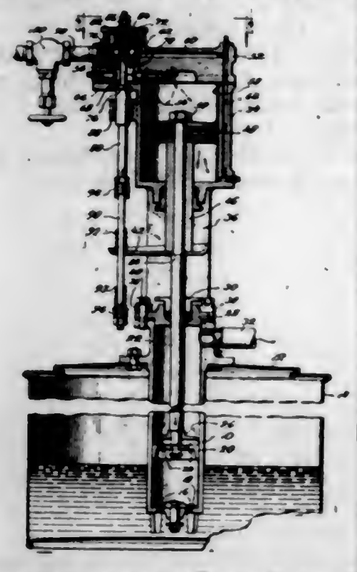
2,406,746
OIL CUP
Ernest W. Davis, River Forest, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 2, 1942, Serial No. 464,179
1 Claim. (Cl. 184—84)



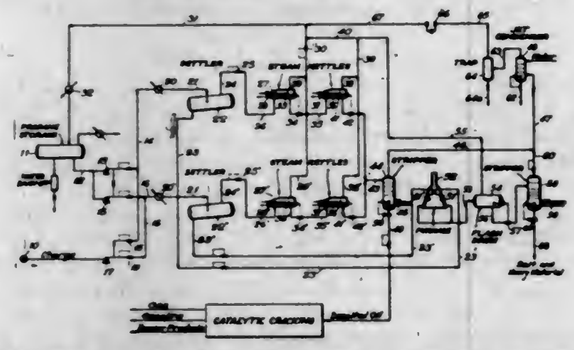
In an oil cup, a receptacle for containing part oil and part air, said receptacle including a transparent body member having a filling opening therein, and a base member attached to said body member; a closure for said filling opening; an oil well in said base member, said oil well having a minute discharge opening therein, a partition separating the interior of said body member and said oil well, said partition having an opening therethrough, and said partition being constructed of relatively yielding material and extending radially to act as a gasket for sealing said body member and said base member; a valve for closing said opening in said partition; and means responsive to movement of said closure for opening and closing said valve.

2,406,747
PNEUMATIC MOTOR
Ernest W. Davis, River Forest, Ill.
Application June 15, 1945, Serial No. 599,664
4 Claims. (Cl. 121—164)

2. A valve mechanism for fluid operated reciprocating piston and cylinder type motors comprising, means forming a pair of valve chambers communicating with the opposite ends of the motor cylinder, having a first valve seat intermediate the chambers, a balancing piston having one side thereof exposed to pressure in one of said valve chambers and having its other side exposed to atmospheric pressure, a second valve seat forming an air outlet port leading from the other of said valve chambers to the atmosphere, a second valve rigidly connected to said first valve and to said piston and cooperable with said second valve seat, said valves operating in opposite directions and spaced so that when one valve is closed the other is fully opened.



2,406,748
DESALTING OF HYDROCARBON OILS
Norman L. Dickinson, Basking Ridge, N. J., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 29, 1943, Serial No. 516,057
5 Claims. (Cl. 196—5)

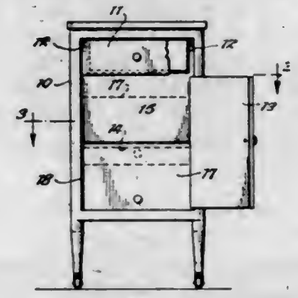


2. The method of desalting a reduced crude which comprises maintaining a quantity of propane in storage at elevated pressure and at an elevated temperature which is substantially below about 140° F., mixing about 3 to 5 volumes of propane from said storage with about 1 volume of a salt-bearing reduced crude, heating said mixture and holding it in a settling zone at a temperature within the range of about 140° to 185° F. under a pressure sufficiently high to prevent vaporization for a time sufficient to effect separation of salt together with undissolved high molecular weight components of the reduced crude from the propane solution of dissolved components in the settling zone, removing the solution from the settling zone, reducing the pressure on the withdrawn solution but maintaining the reduced pressure higher than the propane storage pressure, heating said solution for vaporizing propane therefrom, condensing said vaporized propane and returning it without compression to said storage, reducing the pressure on the remaining propane solution to a level from about atmospheric to about 5 pounds per square inch gauge, stripping said solution at the reduced pressure with steam for removing propane therefrom, condensing the stripping steam from propane vapors liberated in the stripping step and compressing, condensing and returning said propane vapors to said propane storage.

2,406,749
SIZING COMPOSITION AND YARN SIZED THEREWITH
Harry R. Dittmar, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 4, 1943, Serial No. 497,366
20 Claims. (Cl. 260—32)

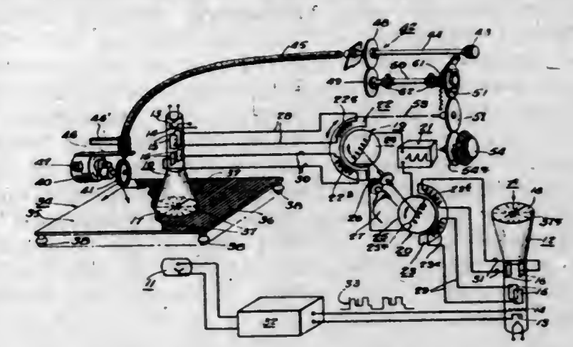
2. A yarn-sizing composition comprising an aqueous solution of a water-sensitive hydroxylated polyvinyl resin, boric acid and a polymer of the class which consists of modified polymers of dioxolane and alkyl substituted dioxolanes, said polymer being a water-soluble waxy solid having a molecular weight within the range of 500 to 1500 and modified by a member of the class which consists of carboxylic acids and esters thereof, the ratio of the total amount of said hydroxylated polyvinyl resin and boric acid to the amount of said polymer being within the limits of 65:35 and 35:65, and the boric acid being present in an amount of from 5% to 25% based on the weight of the hydroxylated polyvinyl resin.

2,406,750
TOILET OR THE LIKE CABINET
James H. Dyett, Buffalo, N. Y., assignor to Hard Manufacturing Company, Buffalo, N. Y.
Application June 5, 1944, Serial No. 538,867
1 Claim. (Cl. 312—189)



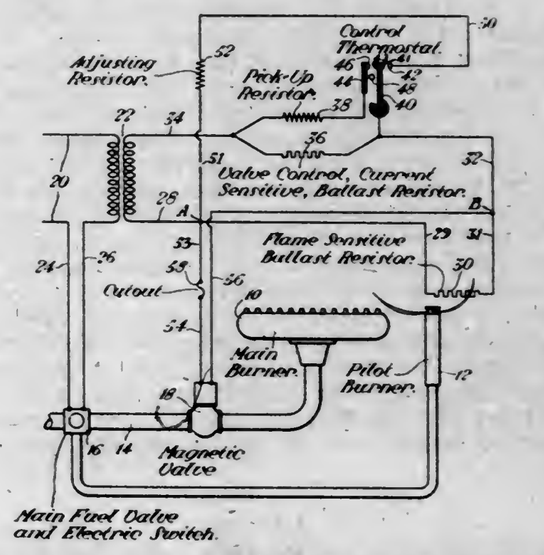
In a cabinet having a chambered casing with a front opening, a drawer movable forwardly and rearwardly in the upper portion of said casing, a partition dividing the casing chamber below said drawer into upper and lower compartments, and an outer door arranged to close the front opening of the casing below said drawer, the improved construction comprising a vertical inner door located in the casing in front of said partition and in rear of said outer door when the latter is closed, and guides at the sides of the casing beneath said drawer by which said inner door is guided to slide vertically in front of said partition for covering and uncovering said lower compartment when said outer door is open, the upper ends of said guides being spaced downwardly from the bottom of said drawer, when in position, a distance less than the height of said inner door, whereby said inner door is disengageable from said guides by upward movement only when said drawer has been removed.

2,406,751
DEMONSTRATION APPARATUS
Kenneth H. Emerson, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 27, 1944, Serial No. 537,556
13 Claims. (Cl. 35—1)



1. In a system of the character described, means simulating a geographical area and having different light response characteristics, means for producing a picture signal corresponding to details in said area simulating means, a picture reconstituting device, means for supplying said picture signal to said device, scanning signal generating means associated with said picture signal producing means and with said picture reconstituting device for controlling and synchronizing the operations thereof, and means operatively associated with said scannnig signal generating means for varying, at will, the scanning of said picture signal producing means relative to the scanning of said picture reconstituting device.

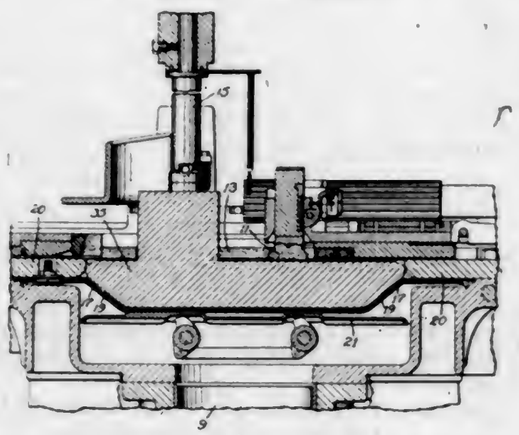
2,406,752
SAFETY CONTROL FOR GASEOUS FUEL BURNERS
Samuel G. Eskin and Charles K. Strobel, Pittsburgh, Pa., assignors to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application April 10, 1943, Serial No. 482,592
15 Claims. (Cl. 158—117.1)



1. A control system for fuel burners having main and pilot burners comprising in combination, electrically operable control means movable between positions for controlling the main burner, a controller in circuit with said means and responsive to changes in a condition caused by operation of the main burner, a ballast resistor exposed to the heat of the pilot burner flame and

electrically connected to said control means for varying the current value supplied thereto upon variations in the resistivity of said resistor due to the presence or absence of said flame, and a plurality of resistance circuits adapted to be established alternately by operation of said controller and including said control means and said ballast resistor, said resistance circuits having different resistance values for varying the current values to said control means, said means being movable to one position upon establishment of one said resistance circuit for impressing a predetermined current value thereon and maintained in said position upon establishment of another said circuit for impressing a different current value thereon, said resistor being adapted by said variations in resistivity thereof for cooperating with said resistance circuits to determine whether said control means is moved and maintained in said position.

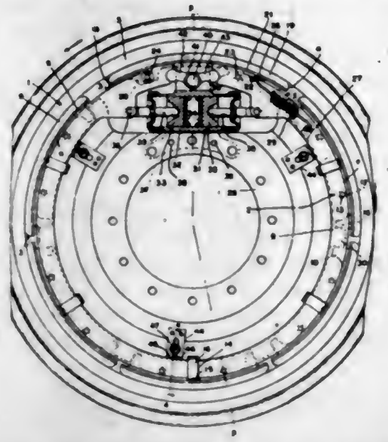
2,406,753
SOLE PRESSING MACHINE
Charles F. Fitzgerald, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 7, 1945, Serial No. 592,294
2 Claims. (Cl. 12—38)



1. A machine for pressing a sole against the bottom of a shoe, said machine having, in combination, a pressure-box one wall of which comprises a flexible diaphragm including an inner layer one face of which is exposed to the interior of the pressure-box and an outer layer extending over the inner layer and having one face exposed to the atmosphere, and means for expelling air from between the layers prior to using the machine for pressing soles, said means including an expeller which may be located upon the outer layer of the diaphragm in place of a shoe, a one-way valve in said outer layer constructed and arranged to permit air to flow from the space between the layers and to prevent air from returning to said space, and means for causing the diaphragm and the expeller to be pressed together to expel air through the valve.

2,406,754
BRAKE
Joseph A. Forbes, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 26, 1943, Serial No. 496,192
6 Claims. (Cl. 188—78)

1. A brake comprising a brake drum, an expansible device having separable normally leading and trailing ends, internal brake members movable relative to said device and also movable by said device against said drum, an internal brake member other than said first mentioned members bridging said ends, said bridging member being movable by said device against said

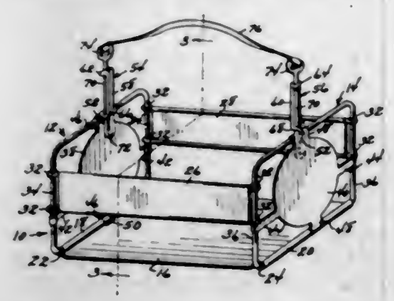


drum and being operatively connected to said device at said normally leading end to transmit its torque when against said drum to said device at said normally leading end, and anchor means for said device and certain of said first mentioned members.

2,406,755
MODIFIED CELLULOSE ESTER FIBERS
Robert E. Fothergill, Julian W. Hill, and Alfred A. Johnson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 6, 1943, Serial No. 505,216
17 Claims. (Cl. 18—47.5)

1. A process which comprises spinning fibers from an organic solvent solution comprising essentially an organic acid ester of cellulose, from 5 to 20 parts by weight of a low molecular weight partial ester of a polysilicic acid and a monohydric aliphatic alcohol having from one to six carbon atoms, per 100 parts of the cellulose ester, and from 0.01 to 0.015% by weight of a mineral acid, and heat treating the fibers for a period of time sufficient to render the same substantially insoluble in tetrachloroethane.

2,406,756
BEVERAGE BOTTLE CARRIER
Martin Fox, Dansville, N. Y.
Application August 1, 1945, Serial No. 608,240
2 Claims. (Cl. 224—48)



1. A device of the character described, comprising wire end frames substantially square shaped with rounded corners, a sheet metal bottom having its opposite ends rolled backward upon themselves in order to be attached to the bases of said frames, sheet metal sides having their opposite longitudinal edges rolled back upon themselves in order to be secured to longitudinally extending wire members, the ends of which are looped in order to be slidably mounted on the sides of said frames, loops formed in the tops of said frames for supporting handle attaching means and a curved metal strap handle attached to said means.

2,406,757
SET STABILIZED PLASTER
Harry F. Gardner, Highland Park, Ill., assignor to Certain-teed Products Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 23, 1942, Serial No. 463,068
5 Claims. (Cl. 106—89)

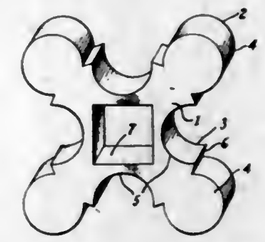
1. Calcined gypsum plaster comprising as a dry mixture for gauging with water calcined gypsum capable of setting with water and in predominant amount, Portland cement, raw gypsum and commercial retarder, the amount of the Portland cement being not substantially less than the amount of the raw gypsum.

2,406,758
CONTAINER MADE OF PAPER AND METHOD OF MAKING THE SAME
Marshall E. Gazette, Boston, Mass., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 7, 1942, Serial No. 453,918
2 Claims. (Cl. 229—4.5)

1. A fiber container comprising a tubular inner fiber body, a liner within said fiber body covering the entire inner face thereof and extending outwardly over the ends of the inner body, a closure disk for each end of said container body, said closure disks being dimensioned so as to overlie the ends of the inner fiber body, a liner associated with each closure disk and extending throughout the entire inner face of the disk to the peripheral edge thereof and contacting with the body liner, an outer tubular body having telescoping engagement with the inner body and projecting beyond the closure disk, the ends of said outer body being rolled inwardly into contact with the outer face of the peripheral portions of the respective closure disks for forcing said disks into contact with the liners overlying the ends of the inner tubular body for sealing the container.

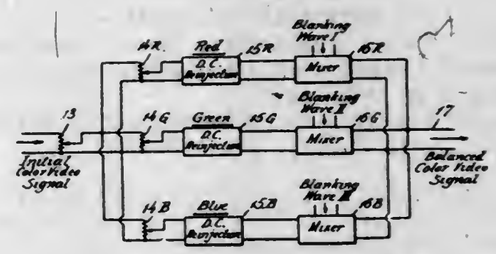
2,406,759
CONSTRUCTION TOY
Bernard Raphael Glukes, Los Angeles, Calif., assignor to The Kinney Company, Los Angeles, Calif., a corporation of California
Application July 31, 1945, Serial No. 608,068
4 Claims. (Cl. 46—25)

1. In a construction toy, a plurality of identical pieces adapted to be assembled together, each of said pieces comprising a block of material having parallel front and rear faces and a peripheral edge formed along a geometrical pattern which includes a plurality of sides, each side having a substantially circular projection and a substantially circular recess of equal diameters, each of said recesses defining an arc of a circle



slightly in excess of 180° and each of said projections defining an arc of a circle considerably in excess of 180° whereby assembly of the two pieces together by insertion of one piece into the recess of another piece will permit substantial relative rotary movement between the two pieces while holding the pieces interlocked with each other.

2,406,760
COLOR TELEVISION
Peter C. Goldmark, New York, N. Y., assignor to Columbia Broadcasting System, Inc., New York, N. Y., a corporation of New York
Application September 17, 1940, Serial No. 357,082
46 Claims. (Cl. 178—5.2)

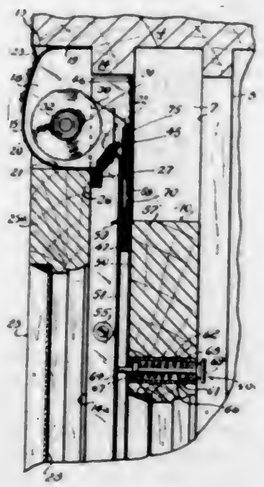


1. In a color television system utilizing an initially produced sequential composite multi-color video signal of which successive portions represent different component colors of the plurality of colors of an image field, the method of changing the color balance of said color video signal which comprises separating therefrom signal portions representing at least one selected color component of said image field, altering the relative magnitudes of the separated portions and those other remaining component portions of the initial color video signal, and recombining the separated and the remaining portions after said altering to obtain a sequential composite multi-color video signal having a desired color balance differing from that of said initially produced signal but otherwise substantially corresponding thereto.

2,406,761
INSECT EXCLUDING MEANS FOR SLIDING WINDOWS
Floyd F. Golkowski, Cleveland, Ohio
Application November 3, 1944, Serial No. 561,682
4 Claims. (Cl. 160—290)

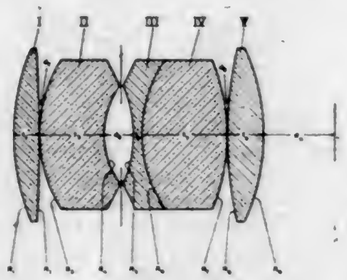
2. The improvement in a sliding window sash, sash frame and spring-roller-supported screen assembly of the type in which the sash carries

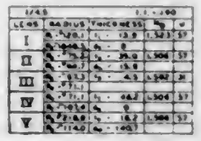
manipulatable means for selective engagement and disengagement with a free edge portion of the screen, comprising the employment of a spring actuated latching means mounted in a portion of the sash frame near one horizontal edge of the frame for movement transversely to the



principal plane of the sash frame, a screen reinforcing bar on such free edge portion of the screen, said bar incorporating a cooperating latch means, and one of said latch means having a cam surface oblique to said plane for causing retraction of the first mentioned latching means as part of the latching operation.

2,406,762
OPTICAL SYSTEM
David S. Grey, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application June 19, 1943, Serial No. 491,493
14 Claims. (Cl. 88—57)



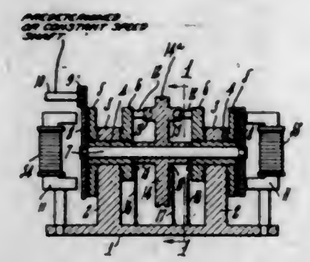


1. A method of forming an athermalized lens system, comprising, providing a lens element of material negligibly subject to thermal effects and having a predetermined index of refraction, dispersion and a power which is related to the power of the system as a whole, optically correcting said element negligibly subject to thermal effects for at least one aberration with a plurality of components appreciably subject to thermal effects each selected to have approximately equal thermal nu values and a predetermined index of refraction, dispersion and a power related to the power of the system as a whole, and arranging said components appreciably subject to thermal effects and said element negligibly subject to thermal effects in axial alignment at spacings which satisfy the condition that the sum of the convergence factors of said components appreciably subject to thermal effects approximately equals zero while the convergence factor for said element negligibly subject to thermal effect approximates the power of the system.

2,406,763
PURIFICATION OF OIL-SOLUBLE SULPHONATES
William K. Griesinger, Drexel Hill, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 29, 1944, Serial No. 556,473
11 Claims. (Cl. 260—504)

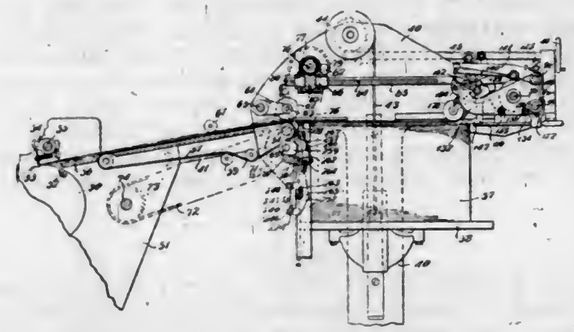
1. The method of purifying oil-soluble petroleum sulphonates containing inorganic salts and water, which comprises contacting said sulphonates with from 2 to 6 volumes of low viscosity hydrocarbon solvent which dissolves the sulphonates but not the salts and with 0.02 to 0.1 volume of a lower aliphatic alcohol, and separating the resulting solution of purified sulphonates from the inorganic salts and water.

2,406,764
AUTOMATIC GRAPH DRAWING RECORDER
Victor Guillemin, Jr., Dayton, Ohio
Application June 20, 1942, Serial No. 447,840
9 Claims. (Cl. 234—71)



5. A graph drawing machine comprising means for supporting and moving a record receiving member, a marking element movable transverse to the direction of motion of said record receiving member, yielding means tending to hold said element at one limit of motion and tending to return said element to said limit on displacement therefrom, a rotary shaft, a pair of driven rock members, means for slowly rotating said shaft at a uniform speed, yielding means tending to hold each of said rock members in a retracted angular position, means for selectively coupling one of said rock members to said shaft for rotation by said shaft while releasing the other of said members from said shaft, a third rock member, operative connections from said third rock member to said marking element for moving said marking element away from said one limit of motion on turning of said third rock member away from a normal angular position, and a lug on each of said driven rock members positioned to engage a corresponding lug on said third rock member and to turn said third rock member away from its normal angular position and move said element away from said limit on motion of either of said driven rock members away from its retracted angular position, and means actuated by the events to be graphed for actuating said coupling means to couple said driven rock members alternately to said shaft.

2,406,765
SHEET FEEDER
Charles W. Harrold, University Heights, Ohio, assignor to Harris-Seybold Company, a corporation of Delaware
Application June 10, 1942, Serial No. 446,477
43 Claims. (Cl. 271—28)



1. The method of separating sheets from a supply and advancing them to forwarding means, which comprises gripping the uppermost sheet near its rear edge, raising and forwarding the gripper in an epicycloidal path, swinging the gripper forwardly and downwardly in a circular arc to advance the sheet, releasing the sheet, and returning the gripper to a position above the rear portion of the next sheet.

5. In mechanism of the character described, an oscillatable gear sector, a sucker, a shaft upon which said sucker is mounted, an arm oscillatable through a given angle about the center of said sector, said shaft being mounted in the free end of said arm, a gear on said shaft rigid with said sucker, said gear being operatively connected with said gear sector, and means for oscillating said sector back and forth while said arm remains stationary at one end of its arc of movement.

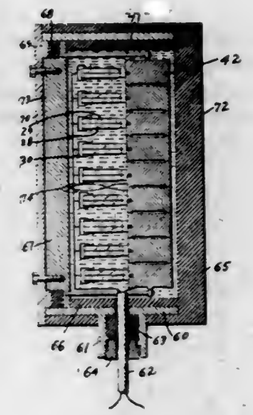
2,406,766
SHEET FEEDER
Charles W. Harrold, Cleveland, Ohio, assignor to Harris-Seybold Company, a corporation of Delaware
Application May 5, 1944, Serial No. 534,264
24 Claims. (Cl. 271—27)



1. The method of separating sheets from the top of a supply comprising gripping the topmost sheet by suction near an edge thereof, forming localized corrugations perpendicular to the edge portion of the sheet in the region of said gripped portion, and moving the gripped portion to form a curved contour in the sheet extending in a direction parallel to said edge.

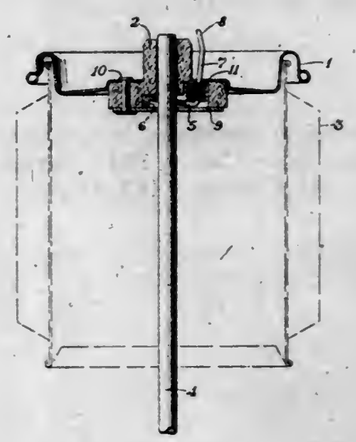
2,406,767
DIRECTIVE TRANSCEIVER FOR SOUND
Harvey C. Hayes, Washington, D. C.
Application October 22, 1932, Serial No. 639,129
10 Claims. (Cl. 177—386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A high frequency sound device, comprising a rubber compound casing member having a disk portion and two spaced concentric cylindrical portions extending laterally therefrom, the disk portion being adapted to radiate or receive sound energy and the inner of said cylindrical portions being shorter than the outer one, a cylindrical metal member disposed between said cylindrical portions and extending to the edge of the outer cylindrical portion, a metal disk seated on the edge of the inner of said cylindrical portions, said disk having a rabbet in its edge on its outer face, a flexible rubber ring seated in said rabbet,



a second metal disk seated against the edges of said outer cylindrical portion and said metal member and having an annular rib seated on said rubber ring to compress said ring, said second disk being connected to the first mentioned disk and spaced therefrom, supporting members extending from the first mentioned disk, means to impart vibration to said disc portion carried by said supporting members, and an electrically insulating fluid filling all otherwise unoccupied space in said casing member.

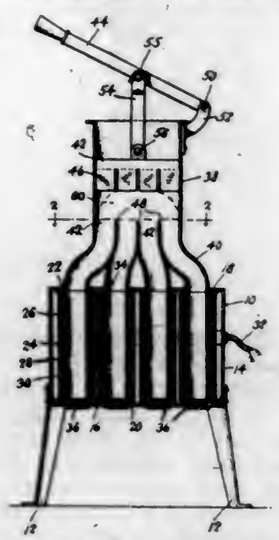
2,406,768
YARN TWISTING APPARATUS
Otha A. Hitt, Chesterfield County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 10, 1945, Serial No. 604,135
1 Claim. (Cl. 57—59)



In combination, a spindle, a bobbin cap having a bushing adapted to fit on said spindle, the bushing having a central bottom recess, a cover plate for said recess, and locking means disposed in said recess, said means comprising an annulus-shaped locking plate resting on said cover plate concentrically disposed with respect to the cap

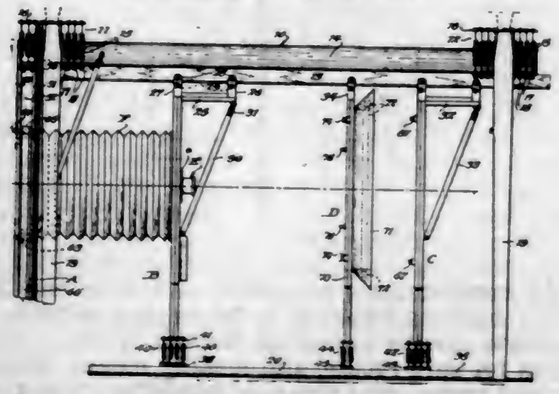
the inner diameter of said plate being slightly greater than the diameter of the spindle, a downwardly projecting lug at one edge of said locking plate causing said plate to rest in a canted position, a lever positioned diametrically opposite said lug rigidly attached at the edge of said locking plate and extending upwardly through said bushing and cap for manually moving said locking plate, and spring means between the locking plate and cap adjacent said lever for maintaining said locking plate in canted position.

2,406,769
COMBINATION COOKER AND RICER
David Fay Hosman, Omaha, Nebr.
Application August 15, 1944, Serial No. 549,612
8 Claims. (Cl. 99—353)



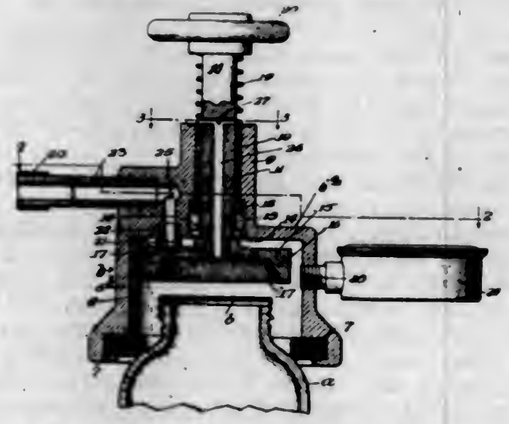
1. A machine of the character set forth, comprising a shell, cooking chambers extending vertically through the shell and having their upper ends formed to provide shoulders, means for heating the cooking chambers, a hopper located above the shell, conduits extending from the lower end of the hopper to the upper end of the cooking chambers and having their lower ends resting on the shoulders of said chambers, the upper ends of the conduits being formed to provide knives, and means for forcing the material from the hopper into contact with the knives into the conduits and through the heating chambers.

2,406,770
CAMERA
William C. Huebner, New York, N. Y.
Application December 6, 1943, Serial No. 513,012
11 Claims. (Cl. 88—24)



1. In a camera of the character described, comprising a carrier supporting a sensitized plate, and a copy carrier, and a lens carrier with a lens disposed approximately vertically and in planes parallel with that of the sensitized plate, the improvement which comprises an overhead rigid monorail extending lengthwise approximately parallel with and in the vertical plane of the axis of the lens from which rail said carriers are suspended and on which said lens and copy carriers are adjustable along the rail, supports disposed at spaced points lengthwise of said monorail by which said rail is resiliently supported, independent tension means for each of said adjustable carriers, and means with which said tension means cooperates in any adjustment of said carrier to exert a resilient downward tension on the carrier in its various adjustments.

2,406,771
DEVICE FOR VACUUM SEALING CONTAINERS
Edward B. Hughes, Evansville, Ind., assignor to Bernardin Bottle Cap Co., Inc., Evansville, Ind., a corporation of Indiana
Application August 19, 1944, Serial No. 550,177
5 Claims. (Cl. 226—82)

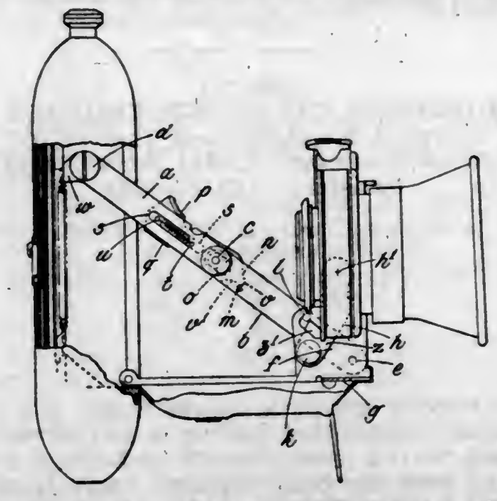


1. In a device for sealing a screw-cap container having a reduced threaded neck and a shoulder beneath the neck, the combination of a portable inverted cup-shaped housing provided with a chamber adapted to receive the neck with a cap thereon, and means for sealing the housing on the shoulder, a chuck in said chamber for gripping, for rotation, a screw-cap on the container while said chamber is under vacuum, a stem on the chuck extending upwardly through and slidable and rotatable in the top of the housing, a handle on the stem whereby the chuck may be slidably shifted and rotated, a vacuum duct in the housing for vacuumizing said chamber and container, a nipple at the terminal of the vacuum duct at said chamber, an elastic seat on said nipple and engageable by the raised chuck for cutting off vacuum from said chamber, spring-means for pressing the chuck into raised position, and a duct in the stem communicatively connected to said chamber and to atmosphere and positioned to be closed by the housing when the chuck is depressed to vacuumize said chamber.

2,406,772
FOLDING PHOTOGRAPHIC CAMERA
Douglas Gordon Hunter, London, England, assignor to Barnet Ensign Limited
Application January 11, 1944, Serial No. 517,771
In Great Britain January 25, 1943
3 Claims. (Cl. 95—40)

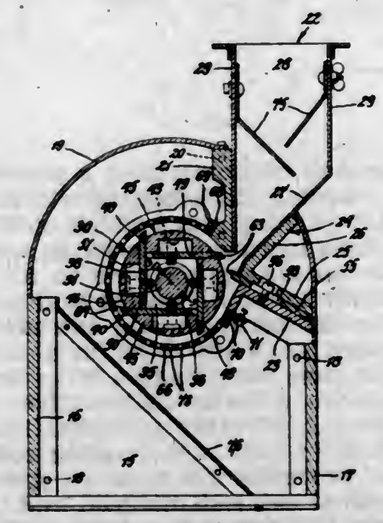
1. A folding photographic camera, comprising a camera body, a front baseboard hinged thereto and a pair of folding struts each comprising

a pair of links pivotally connected together and pivoted at their outer ends respectively to said camera body and to said front baseboard, one of said links being formed with a lateral projection in the vicinity of the pivoted joint, and a catch resiliently mounted on the other of said links and movable lengthwise thereof, said catch being formed with a nose having on one side a cam profile substantially inclined to the line of movement of said catch so as to engage and resiliently to yield under the pressure of said projection when said links are relatively turned in the



direction so as to straighten the same until said links are in straightened position when the nose of said catch passes over said projection and having on the opposite side a profile with an inclination to the line of movement of said catch substantially less than said inclination thereto of said cam profile so as to positively lock the said catch and projection when the nose of said catch is over said projection, and said catch being shaped to form a thumb piece enabling the catch to be drawn away from said projection on the other link.

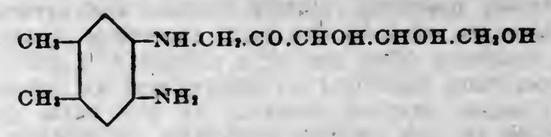
2,406,773
CEREAL CUTTER
Fred C. Ielfield, Silver Creek, N. Y., assignor to Silver Creek Precision Corporation, Silver Creek, N. Y., a corporation of New York
Application October 7, 1944, Serial No. 557,627
1 Claim. (Cl. 146—71.5)



A substantially cylindrical, relatively light weight, skeleton-like rotary cutter head for a cereal cutter, comprising a central shaft, a plurality of similarly shaped heads secured to said shaft at spaced intervals and being polygonal in cross section to provide flat faces which join at an angle to each other, said faces being arranged in common planes, flat cutter blades directly engaging said faces and having cutting edges projecting outwardly from the corresponding angles formed by said faces, a single backing plate for each of said flat cutter blades and each having a flat face engaging the outer face of the corresponding cutter blade along a continuous longitudinal portion of the outer face of the cutter blade immediately adjacent the outwardly projecting cutting edge thereof, and each backing plate also having an opposite curved face meeting said flat face in a feather edge at one side of said backing plate and providing with the curved faces of the other backing plates a substantially cylindrical and continuous periphery for the rotary cuttery with the cutting edges of said blades projecting outwardly from said periphery and each backing plate also having a second flat face opposite said feather edge and arranged at an angle to said first flat face which is complementary to the angles formed by said polygonal flat faces and directly engaging the inner face of the succeeding cutter blade along a continuous longitudinal portion of the inner face of the said succeeding cutter blade immediately adjacent the outwardly projecting cutting edge thereof to form a backing support therefor, said backing plate being also interiorly hollowed out, and means securing each of said backing plates and the corresponding cutter blade to the corresponding face of each of said heads.

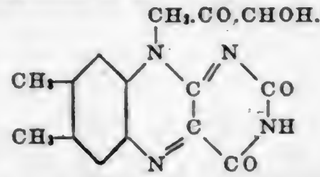
2,406,774
SYNTHESIS OF RIBOFLAVIN AND INTERMEDIATES THEREFOR
Jonas Kamlet, New York, N. Y., assignor to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
No Drawing. Application June 28, 1943, Serial No. 492,622
13 Claims. (Cl. 260—211)

1. In the process of making riboflavin the steps of reacting d-arabinose with 3,4-dimethylaniline and thereby forming the compound 3,4-dimethylphenyl-d-isoarabinosamine, reacting the latter compound with a salt of a diazotized arylamine and thereby forming the compound 3,4-dimethyl, 6-arylazophenyl-d-isoarabinosamine, and reducing the latter compound by the action of a reducing agent selected from the group consisting of alkali metal hydrosulfites in neutral solution and in alkaline solution and nascent hydrogen in acid solution thereby forming 3,4-dimethyl, 6-aminophenyl-d-isoarabinosamine of the formula:



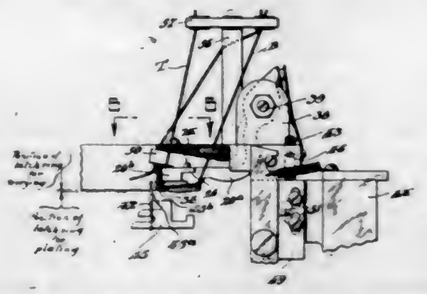
2. In the process of making riboflavin the steps of reacting d-arabinose with 3,4-dimethylaniline and thereby forming the compound 3,4-dimethylphenyl-d-isoarabinosamine, reacting the latter compound with a salt of a diazotized arylamine and thereby forming the compound 3,4-dimethyl, 6-arylazophenyl-d-isoarabinosamine, reducing the latter compound by the action of a reducing agent selected from the group consisting of alkali metal hydrosulfites in neutral solution and in alkaline solution and nascent hydrogen in acid solution thereby forming the compound 3,4-dimethyl, 6-aminophenyl-d-isoarabinosamine, and condensing the latter compound with alloxan

thereby forming 6,7-dimethyl, 9-(d-1'-isoarabityl) isoalloxazine of the formula:



3. A process for the synthesis of riboflavin which comprises submitting 3,4-dimethylaniline and d-arabinose to an Amadori rearrangement, coupling the resultant 3,4-dimethylphenyl-d-isoarabinosamine with a diazonium salt of a diazotized aromatic amine to form the corresponding 3,4-dimethyl, 6-arylazophenyl-d-isoarabinosamine, reducing the latter by the action of a reducing agent selected from the group consisting of alkali metal hydrosulfites in neutral solution and an alkaline solution and nascent hydrogen in acid solution to form 3,4-dimethyl, 6-aminophenyl-d-isoarabinosamine, condensing the latter with alloxan in acid solution to form 6,7-dimethyl, 9-(d-1'-isoaribityl) isoalloxazine, reducing the latter in alkaline solution to the leuco form of riboflavin by the action of hydrogen acting in the presence of a hydrogenation catalyst, and oxidizing said leuco form to riboflavin.

2,406,775
YARN FEED MEANS
Ezekiel Killian, Reading, Pa., assignor, by direct and mesne assignments, of one-fourth to E. Louis Kotzen, one-fourth to Samuel R. Kotzen, one-fourth to Myer E. Kotzen, all of Reading, Pa., and one-fourth to Howard C. Mohn Hosiery Co. Inc., Reading, Pa., a corporation of Pennsylvania
Application October 20, 1944, Serial No. 559,527
18 Claims. (Cl. 66—125)



1. In a machine of the character described yarn feeding means comprising, a yarn feeding finger provided with a yarn guiding tip element associated with the body of the finger so as to be freely movable relative thereto and arranged to feed its yarn to the yarn receiving means of the machine from one of a plurality of different cooperating positions as determined by the pulling action exerted thereon by the yarn when moving in one feeding direction or another.

2,406,776
CATALYTIC ALKYLATION PROCESS
James B. Kirkpatrick, Woodbury, N. J., John J. Somers, Philadelphia, Pa., and Alexander N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application October 28, 1943, Serial No. 508,062
19 Claims. (Cl. 260—683.4)

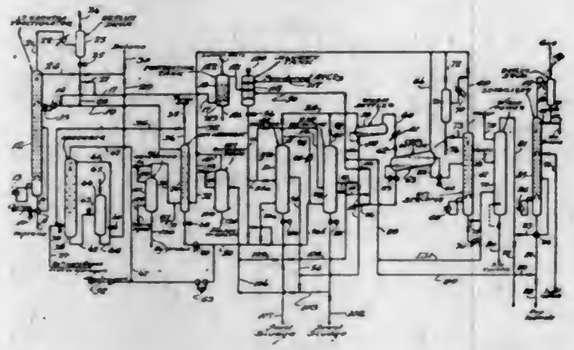
18. In a process of alkylating a paraffinic hydrocarbon with an olefinic hydrocarbon in a reaction zone under alkylating conditions and in the presence of catalytic material; the improvement which comprises contacting said paraffinic hydrocarbon and said olefinic hydrocarbon in gaseous phase and in said reaction zone under alkylating conditions, with an alkylation catalyst consisting essentially of an organic nitro compound which forms with said paraffinic hydrocarbon and said olefinic hydrocarbon, a single, homogeneous gaseous phase under said alkylating conditions, and controlling the concentration of the olefinic reactant so that alkylation is the principal reaction.

2,406,777
BIRTHDAY CAKE CANDLEHOLDER
Murry H. Koretzky, New York, N. Y.
Application November 27, 1943, Serial No. 511,947
4 Claims. (Cl. 67—23)



2. A molded one-piece candle holder of a thermoplastic composition having a flaring saucer-like body with a central candle socket and a stem integral with the body tapering away from the body to a point at its lower end.

2,406,778
SLURRYING ALUMINUM CHLORIDE FOR HYDROCARBON CONVERSION PROCESSES
Willard E. Kruse, Chicago, Ill., Cecil W. Nysewander, Highland, Ind., and John A. Bolt, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 15, 1941, Serial No. 422,981
2 Claims. (Cl. 260—683.5)

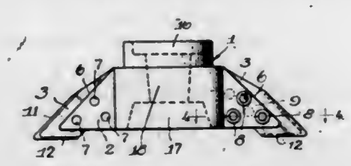


1. The method of isomerizing a paraffinic hydrocarbon charging stock boiling within the butane to hexane boiling range which method comprises absorbing hydrogen chloride in said charging stock in an absorption zone to form a hydrogen chloride solution, heating said solution to isomerization temperature and introducing the heated solution at a low level in a continuous isomerization zone containing a large amount of liquid aluminum chloride-hydrocarbon complex catalyst material, effecting isomerization of said charging stock in said isomerization zone, withdrawing an isomerization product stream containing dissolved catalyst material and hydrogen chloride from the top of the isomerization zone to a settling zone, removing catalyst material from said stream in said settling zone, introducing the stream which still contains hydrogen chloride from said settling zone to a stripping zone, stripping hydrogen chloride from said stream in said stripping zone, returning hydrogen chloride containing gases from the top of the stripping zone to the absorption zone, venting unabsorbed gases from the top of the absorption zone, making up an aluminum chloride slurry of finely divided solid aluminum chloride particles in a portion of the stream after hydrogen chloride has been stripped therefrom and introducing said aluminum chloride slurry into said isomerization zone for maintaining the activity of the liquid aluminum chloride-hydrocarbon complex material contained therein.

2,406,779
FLAME RESISTANT AND WATER REPELLENT FABRICS AND METHOD OF MAKING THE SAME
John L. Kurlychek, Orange, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 30, 1942, Serial No. 470,668
4 Claims. (Cl. 117—65)

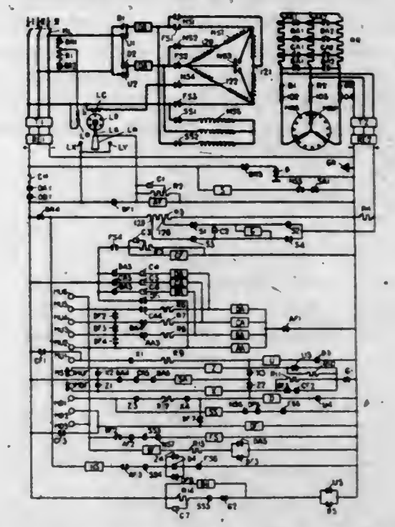
1. The method of treating a fabric that is formed predominately of asbestos fibers but contains some inflammable fibers, without changing appreciably its appearance, softness, or weight; which consists in precipitating on the fibers a flame-resistant water-insoluble inorganic oxide, depositing on the fibers over the oxide a compatible water-repellent zinc soap of cocoanut oil acids, and heating the fabric sufficiently to melt or fuse the deposited soap so as to fix this soap and the oxide upon the fibers and render the fabric non-flame supporting and water-repellent in such a way that the treated fabric is pervious to the air and the soap thereupon will not generate obnoxious fumes when exposed to relatively high temperatures.

2,406,780
PROFILING MILLING CUTTER
Alois Kutscha, Chicago, Ill.
Application April 22, 1943, Serial No. 484,016
5 Claims. (Cl. 29—105)



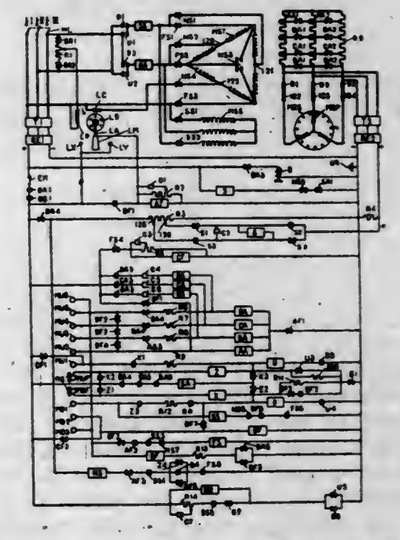
1. A cutting tool for a milling machine comprising a cutter head having a plurality of outwardly extending projections, one side of each projection being recessed for the reception of a cutting bit and provided with a shoulder, a cutting bit mounted within the recess and having substantially the shape of a right-angle triangle with the base and hypotenuse provided with cutting edges and the other side seating against the shoulder, a plate for anchoring and retaining the cutting bit within the recess and projection, spaced locking bolts carried by the plate and received in spaced aligned openings in the cutting bit and projection, and other openings provided in the cutting bit to be aligned with and receive certain of the locking bolts for permitting the bit to be adjusted to another position when the initial cutting surfaces thereof become worn, one of the locking bolts providing an abutment against which the rear of the bit seats when in the latter adjusted position.

2,406,781
ELECTRIC MOTOR AND CONTROL SYSTEM FOR MOTORS
Jacob Daniel Lewis, Yonkers, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application November 27, 1943, Serial No. 512,023
8 Claims. (Cl. 172—274)



4. A control system for a three-phase induction motor comprising, a source of three-phase alternating current for said induction motor, means for connecting said induction motor to said source, an impedance connected across two of the supply lines from said source to said induction motor, a two-phase torque motor having one exciting winding in series with the other of said supply lines and the other exciting winding connected across said other supply line and a point on said impedance, and circuit controlling means operable by the rotor of said torque motor for controlling the operation of said induction motor.

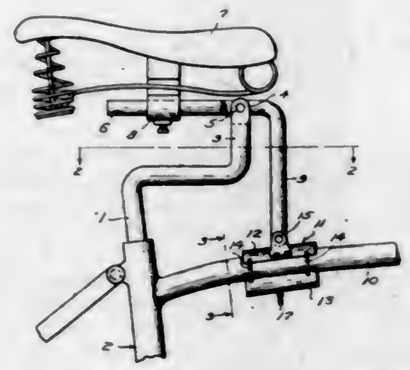
2,406,782
MOTOR CONTROL SYSTEM
Jacob Daniel Lewis, Yonkers, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Original application November 27, 1943, Serial No. 512,023. Divided and this application December 7, 1944, Serial No. 567,085
3 Claims. (Cl. 172—274)



1. A control system for a polyphase induction motor having a wound rotor comprising, a source

of polyphase alternating current for said motor, a polyphase rectifier for deriving direct current from said source, a second polyphase rectifier for deriving direct current from said rotor and connected in series with the first named rectifier so that the direct current voltages thereof are in opposition, potentiometer resistance having a portion thereof connected across the first named rectifier and the remaining portion connected across the second rectifier, an electromagnetic switch having a single coil, and means connecting said coil across such portion of said potentiometer resistance that the voltage applied thereto is substantially zero with the motor connected to said source and at standstill.

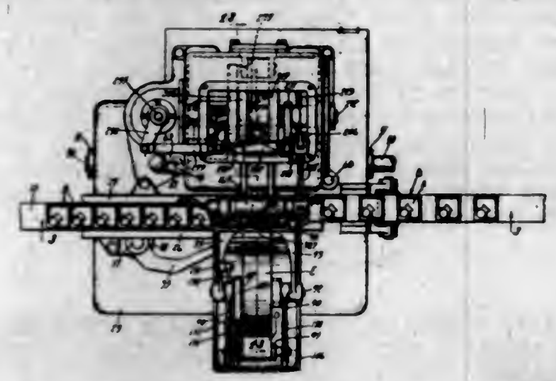
2,406,783
BICYCLE SEAT
George Lively, Pueblo, Colo.
Application June 19, 1944, Serial No. 540,910
2 Claims. (Cl. 155—5.20)



1. In a bicycle comprising a frame including a substantially horizontal bar, a post mounted on the frame and including a forwardly offset upper end portion, an angular lever pivotally mounted at an intermediate point for vertical swinging movement on said upper end portion of the post, a seat adjustably mounted on one end portion of the lever, the other end portion of said lever terminating adjacent said bar, a saddle pivotally mounted on said other end portion of the lever and engaged on top of the bar, a saddle suspended from the first-named saddle in spaced relation below the bar, and an inflated cushion mounted in the second-named saddle and engaged beneath the bar.

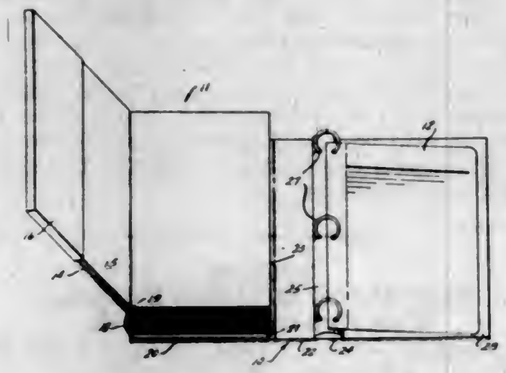
2,406,784
OVERCAP APPLYING MACHINE
August E. Almgren, Hillside, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 19, 1942, Serial No. 435,394
5 Claims. (Cl. 164—48)

1. In a machine for applying protective overcaps to moving containers, said machine including an overcap applying head, a pair of swing arms located adjacent said head and means for effecting relative movement between the containers and said head for applying an overcap to a said container: the combination of gripper fingers mounted on said swing arms for pulling a continuous web of overcap material to measure off a predetermined length of the web, cutting devices disposed adjacent the path of travel of said web for severing the gripped measured-off portion of the web from the remainder of the web to produce an individual overcap, and actuating means cooperatively associated with said swing arms, said actuating means operating to shift the arms to first measure off the overcap



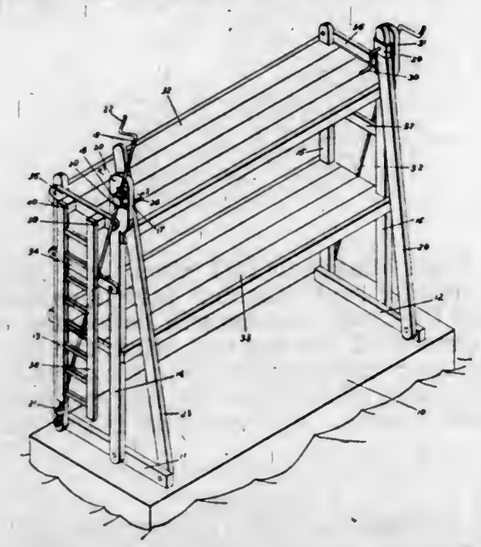
and thereafter to locate the held cut-off overcap in position between the container and the applying head.

2,406,785
BINDER FOR CONTAINING A TEXTBOOK AND NOTE SHEETS
Norman R. Atwood, St. Johnsbury, Vt.
Application January 8, 1945, Serial No. 571,894
2 Claims. (Cl. 281—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



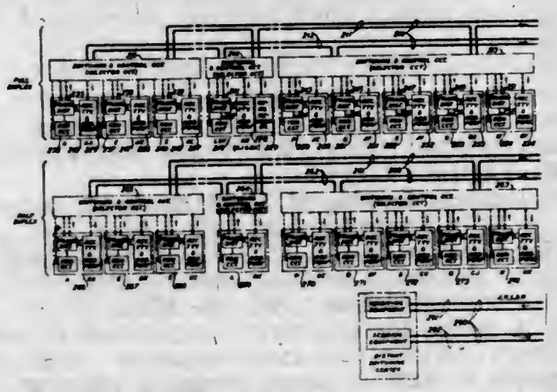
2. A binder for carrying a textbook and note sheets therein, comprising a front cover section of proper size to engage and overlie the front cover of a book and including holding means thereon to provide a pocket between said means and said section for receiving and embracing part of said front cover, thus adapting this binder for books of different sizes, an edge section extending from said front section for covering the bound edge part of the book, a back section on said edge section for engaging and covering the back cover of the book, another edge section which is larger than the first said edge section to cover the open edge part of the book and to provide a strip which extends above said book, a binder secured on said strip and including snap-rings for removably holding loose leaf sheets therein adapted to be superposed on said book, and a substantially rigid panel section extending from said strip, constituting an outer front cover for the binder and which, when in its open position, provides a table means for the note sheets to lie upon while taking down the notes, whereby the book can be retained open at the subject under discussion at the same time that the notes on said subject are being written on said sheets, and the sheets can also be placed between the pages of the book to mark a subject therein and the binder then be closed therewith.

2,406,786
ADJUSTABLE STAGING
Olav Aukland, New York, N. Y.
Application August 6, 1945, Serial No. 609,309
1 Claim. (Cl. 304—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



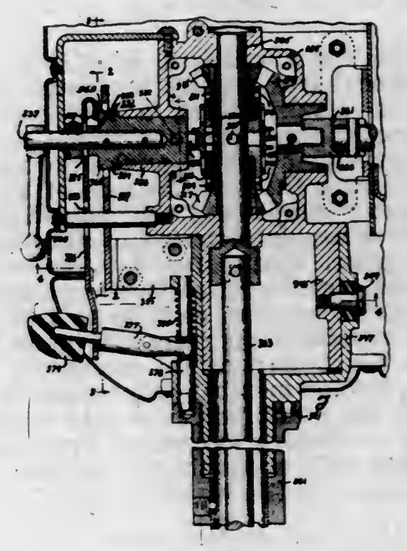
A base adapted to float upon a liquid surface, a vertically disposed supporting structure secured to said base, multiple horizontal platforms secured at spaced intervals along said supporting structure, multiple braces pivotally secured at an angle to said base and slidably secured to said vertically disposed structure, said braces serving to buttress said vertically disposed supporting structure, turn-buckles pivotally secured to said base along the sides of said supporting structure, rotatable rods disposed diagonally along said vertically disposed framework and engaging said turn-buckles, the turning of said rotatable rods changing the inclination of said vertically disposed supporting framework, means to rigidly hold said rotatable diagonally disposed rods to said vertically disposed structure, and locking means to secure said framework after the required angle of inclination has been obtained.

2,406,787
TELEGRAPH SYSTEM
Walter M. Bacon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1943, Serial No. 482,075
8 Claims. (Cl. 178—3)



1. A teletypewriter system in which messages are directed to their destinations by address codes associated with each message comprising one outgoing line, switching apparatus at a central office, a plurality of sets of one or more storage transmitters individual to said line, means controlled by address codes for directing preferred messages through said switching apparatus to one of said sets of transmitters, and other means whereby such transmitters transmit all messages in their storage over said line prior to transmission of messages from other transmitters individual to said line.

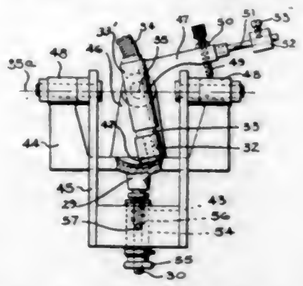
2,406,788
CLOTHES WRINGER
Anthony P. Barcus, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 31, 1942, Serial No. 464,047
6 Claims. (Cl. 68—255)



1. A wringer including a frame, rolls mounted in the frame, a bevel gear driving mechanism for the rolls having an operative position for operating the rolls and an inoperative position for rendering the rolls inoperative, said drive mechanism including a substantially vertical drive shaft, a pivotal support for said frame including a pivotal connection providing a substantially vertical pivot eccentric to said drive shaft having its axis located substantially in alignment with a point of contact of the bevel gears of the driving mechanism for pivotally mounting the entire frame and the driving mechanism, and means responsive to the pivoting of said frame and driving mechanism upon said eccentric vertical pivot for moving the driving mechanism from operative to inoperative position.

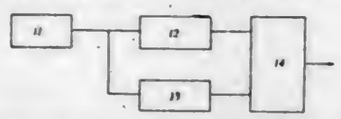
6. A swinging wringer having a frame, rolls mounted in the frame, a gear case connected to the frame containing reversing gearing for driving the rolls, a control device including a rotatable operating shaft parallel to the axes of the rolls protruding from the side of said gear case, a swing lock including a swing lock releasing member, a handle on said shaft for normally operating said control device, to forward, reverse and neutral positions, and means located at the side of said gear case operatively connecting said releasing member and said protruding portion of said shaft for rotating said shaft to the neutral position upon operation of the releasing member.

2,406,789
ABRADING MACHINE
Ralph F. Bardwell, Southbridge, and John H. Smith, Taunton, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Original application October 11, 1939, Serial No. 299,006, now Patent No. 2,310,925, dated February 16, 1943. Divided and this application January 4, 1943, Serial No. 471,249
7 Claims. (Cl. 51—124)



7. A device for grinding a blank for a one-piece multifocal lens having a pivoted member supporting a blank holder, a tool supporting member pivoted for tilting movement about an axis substantially at right angles to and substantially passing through the axis of the pivot of the member supporting the blank holder, a tool spindle rotatably mounted in said tool supporting member, means for rotating the tool while retaining said tool supporting member in a given angular position relative to the pivotal axis of said member supporting said blank holder, and means for imparting an oscillatory movement to the pivoted member supporting the blank holder while the blank holder is held against rotation, said oscillatory movement being along a single arcuate path about the pivotal axis of said member supporting the blank holder.

2,406,790
SYSTEM FOR THE ELECTRIC TRANSMISSION OF SOUND AND OTHER WAVES
William Arnold Beatty and Leslie Wilfred Houghton, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application January 16, 1941, Serial No. 374,660
In Great Britain January 16, 1940
10 Claims. (Cl. 179—1.5)



1. The method of transmitting two kinds of intelligence simultaneously by means of a single train of pulses of constant amplitude, comprising time modulating said pulses in one sense to transmit one of said kinds of intelligence, and time modulating said impulses in a different sense to transmit the other of said two kinds of intelligence.

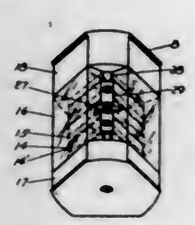
2,406,791
METHOD OF CLOSING BAG TUBE ENDS
Daniel Belcher, Minneapolis, Minn., assignor to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Missouri
Application January 15, 1943, Serial No. 472,493
6 Claims. (Cl. 93—35)

1. The method of closing and sealing an open end of a flexible walled tubular bag body, which consists in pressing the walls of the bag end into flat-wise relation with the edge walls intucked between the side walls, whereby the flattened bag end is provided at each side edge with juxtaposed corners each comprising at least two plies, adhering together the plies of each corner, folding said juxtaposed corners against their respective side



walls along diagonal fold lines and adhering them thereto, said diagonal fold lines being so disposed that said corners will be located within the perimeter of the bag end, when the bag body is filled, and subsequently folding a strip of tape over the edges of the flattened bag end walls and said folded corners and adhering it thereto.

2,406,792
PIEZOELECTRIC OSCILLATOR
Hugo Benioff, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application July 8, 1940, Serial No. 344,363
18 Claims. (Cl. 177—386)

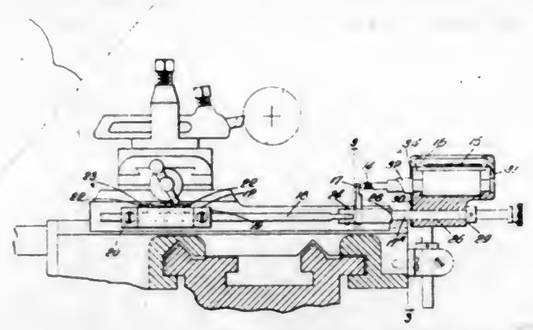


17. A piezoelectric oscillator adapted to be used for transmission and reception comprising waves including a vibrator comprising a resonant longitudinally vibratable element having recesses forming mass portions at each end of said element and Rochelle salt piezoelectric crystals mounted within said recesses and having their ends abutting and acoustically joined to the shoulders of said recesses with the mechanical axes of the crystals parallel to the longitudinal direction of said element whereby the crystals and said element form a unitary longitudinal vibrator having a natural fundamental resonant frequency with a node between the ends of the vibrator.

2,406,793
DEVICE FOR MEASURING CHANGES OF DISTANCE BETWEEN TWO RELATIVELY MOVABLE PARTS
Ivan Benkoe, London N. W. 3, England, assignor to Erwin Benkoe, Bronx, N. Y.
Application April 9, 1943, Serial No. 482,490
In Great Britain April 15, 1942
4 Claims. (Cl. 33—125)

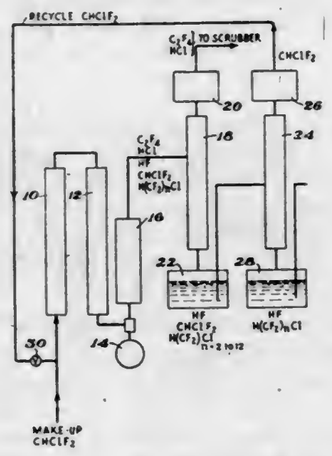
4. A device for measuring changes of distance between two relatively movable parts, comprising a gauge of limited range mounted upon one of said parts and a stop mounted upon the other part, said stop comprising a rod, frictionally mounted so as to be slidable within a block which

is secured to one of said parts, collars being provided on said rod which cooperate with a fixed



member to limit the normal travel of the rod to the range of distance measurable by the gauge.

2,406,794
PROCESS OF SEPARATING PYROLYSIS PRODUCTS OF CHLORODIFLUOROMETHANE
Anthony F. Benning, Woodstown, and Frederick B. Downing, Carneys Point, N. J., and Joseph D. Park, Wilmington, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
Application February 14, 1945, Serial No. 577,871
7 Claims. (Cl. 202—51)

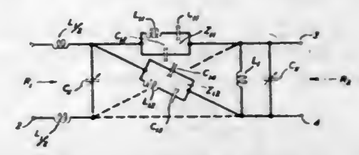


1. The process of separating valuable components from a reaction mixture comprising mainly HCl, C_2F_4 and $CHClF_2$ and small proportions of HF and higher boiling organic products, of the character of that obtained by pyrolyzing $CHClF_2$, the steps which comprise subjecting the reaction mixture to anhydrous fractional distillation under pressures of from about 50 to about 150 pounds per square inch absolute and at temperatures adjusted to distill off HCl and C_2F_4 simultaneously in a molar ratio of about 2 to 1 while retaining the rest of the mixture in the still.

2,406,795
LITHOGRAPHIC PRINTING INK
Dominic J. Bernardi and Robert T. Florence, Bronx, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application June 25, 1943, Serial No. 492,310
2 Claims. (Cl. 106—29)

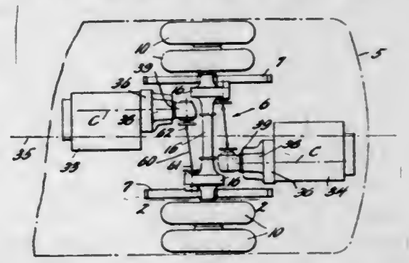
1. A lithographic printing ink which shows considerably reduced greasing as compared to a similar ink made with bodied linseed oil, comprising pigment dispersed in a vehicle, the essential basis of which is the ester of pentaerythritol and tall oil, the ratio of ingredients being such that the composition has the typical stiff body of lithographic printing inks.

2,406,796
WAVE FILTER
Frank R. Bies, Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 23, 1944, Serial No. 527,764
17 Claims. (Cl. 178—44)



1. An impedance-transforming wave filter comprising a lattice network and two inductances of equal value, one of said inductances being connected in series at one end of said lattice and the other of said inductances being connected in shunt at the other end of said lattice.

2,406,797
VEHICLE DRIVING MECHANISM
Lawrence R. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application April 7, 1944, Serial No. 530,025
7 Claims. (Cl. 180—54)

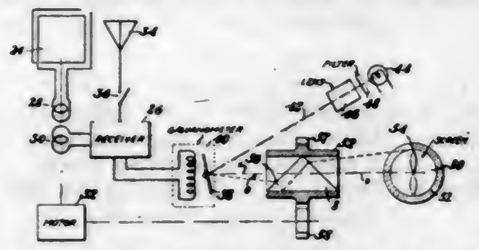


1. In combination with a pair of vehicle driving wheels, a connecting axle unit between said wheels including independently operable driving differentials for said wheels on relatively opposite sides of the vehicle center line, a pair of engines mounted in the vehicle frame at relatively opposite sides of said axle unit, power transfer means associated with each engine comprising a power-take-off unit at the opposite side of the vehicle center line from one of said differentials and having a power output shaft in closely adjacent relation to the other differential, and propelling means individual to the respective engines operatively connecting the said power output shafts to the respective differentials.

2,406,798
DIRECTION FINDER
Gordon S. Burroughs, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 26, 1944, Serial No. 519,779
16 Claims. (Cl. 250—11)

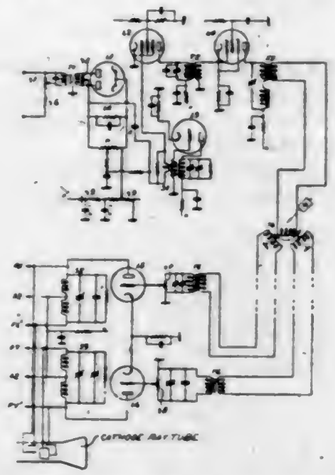
13. In a direction finder system of the type in which a signal received by a rotating scanning device causes a beam of energy to be linearly displaced, the amount of displacement being a function of the strength of the received signal, the combination of a rotatable optical system in the path of the displaced beam, said optical system

comprising one or more elements having an odd number of reflecting plane surfaces, and means for rotating said optical system about its neutral axis and synchronously with said scanning de-



vice, whereby said linearly displaced beam will be translated by said optical system into a polar diagram indicating the direction of the received signal.

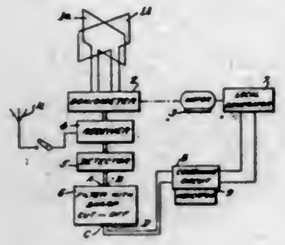
2,406,799
DISTORTION CORRECTIVE ARRANGEMENT
Henri G. Busignies, Forest Hills, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 6, 1941, Serial No. 381,938
6 Claims. (Cl. 250—27)



2. Means for coupling a source of fluctuating unidirectional potential to an amplifier for said potential comprising a resistance-capacity network, means for coupling said network to said source, means for coupling said network to the input of said amplifier, an impedance network, means for coupling said impedance network to said source, and means for coupling said impedance network to the input of said amplifier, said networks being so related that the effective potential produced on said impedance network is substantially equal in magnitude and opposite in polarity to the effective potential produced in the portion of said resistance-capacity network coupled to the input of said amplifier.

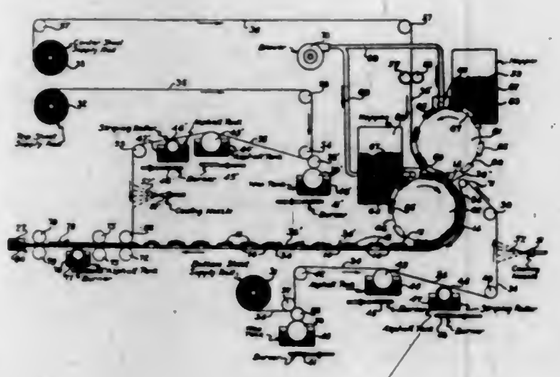
2,406,800
DIRECTION FINDER WITH FILTER
Henri G. Busignies, Forest Hills, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 13, 1941, Serial No. 383,111
11 Claims. (Cl. 250—11)

1. A radio direction finder comprising pick-up means effectively rotating at a predetermined frequency for picking up signals modulated in accordance with such rotation, means for detecting said signals, means for non-directionally picking up signals and for adding them to said signals modulated in accordance with said rotation whereby the resultant signals after detection contain a component of said predetermined frequency, indicator means for giving a directional indication under the control of such detected signals, means for applying said detected signals to



said indicator means, and a tuned filter proportioned to pass said predetermined frequency while discriminating strongly against frequencies ten per cent above and below said predetermined frequency before application to said indicator means.

2,406,801
METHOD OF MAKING INSULATING BLANKETS
William B. Byers, Kansas City, Mo.
Original application August 2, 1940, Serial No. 350,023, now Patent No. 2,342,839, dated February 29, 1944. Divided and this application March 1, 1943, Serial No. 477,609
17 Claims. (Cl. 154—28)

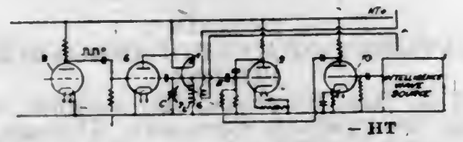


1. In the method of making an insulating blanket, forming loose bodies of fluffy fibrous insulating material, depositing the same in spaced relation on a continuous web of flexible sheet material in slack condition, placing a continuous web of sheet material in position over said web having said bodies thereon, inverting said webs with said bodies therebetween to place said web in slack condition over said bodies, forming other loose bodies of fluffy fibrous insulating material, and depositing the same on said slack continuous web of sheet material in staggered relation to said first mentioned bodies.

2,406,802
2-ETHYLHEXYL PHOSPHATES
Thomas F. Carruthers, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application February 18, 1942, Serial No. 431,449
2 Claims. (Cl. 260—461)

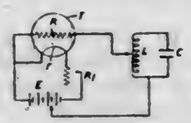
1. As a new chemical compound, tri-2-ethylhexyl phosphate.

2,406,803
HIGH-FREQUENCY ELECTRICAL COMMUNICATION SYSTEM
Prafulla Kumar Chatterjea and Leslie Wilfred Houghton, London W. C. 2, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application December 10, 1942, Serial No. 468,572
In Great Britain December 16, 1941
13 Claims. (Cl. 250—17)



5. The method of electrical carrier wave signal transmission which comprises generating short damped trains of carrier waves, angularly modulating the carrier waves comprising the respective trains in accordance with the instantaneous amplitude of an intelligence wave to be transmitted, and amplitude modulating the initial amplitude of the respective trains also in accordance with the instantaneous amplitude of said intelligence wave.

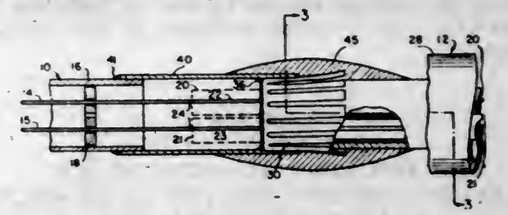
2,406,804
NEGATIVE RESISTANCE DEVICE FOR GENERATING OSCILLATIONS OR REDUCING DAMPING
Prafulla Kumar Chatterjea and Charles Thomas Scully, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 6, 1943, Serial No. 509,188
In Great Britain January 8, 1943
1 Claim. (Cl. 250—36)



Electrical circuit including, connected in series, an indirectly heated, negative characteristic thermistor, a source of direct current, and at least part of an inductance, also including a capacity shunting said inductance and forming therewith a resonant circuit, said series connected circuit also including a variable resistance connected in series with the heater of said thermistor, whereby the characteristic voltage-current curve of said thermistor may be altered in shape and position, so that a given current flow therethrough may be made to lie at a predetermined point of said curve, said point being located at a portion of said curve having sufficient negative slope to cause said resonant circuit to oscillate.

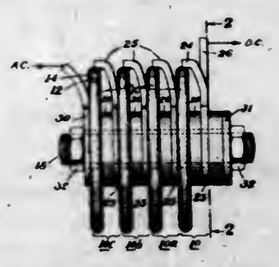
2,406,805
CONDUCTOR JOINT AND METHOD OF MAKING SAME
Trevor H. Clark, New York, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application June 27, 1942, Serial No. 448,737
14 Claims. (Cl. 174—21)

1. In a connection joining a cable having a sheath shielding a pair of conductors to a twin coaxial cable having a sheath shielding the coaxial conductors thereof, means connecting together the sheaths of the two cables, means including a disc-like portion having openings therein disposed about said coaxial conductors, and said disc-like portion being secured to the outer conductors of said coaxial conductors about the



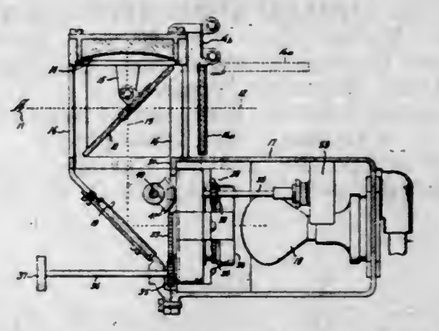
peripheral surfaces thereof and to the connected sheaths along the peripheral edge of said disc-like portion.

2,406,806
RECTIFIER
Carole A. Clarke, Glen Ridge, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application July 16, 1943, Serial No. 494,913
11 Claims. (Cl. 175—366)



1. A rectifier comprising a relatively thin metal disk having an inner exposed contact area, a layer of selenium upon the periphery of said disk, a counter-electrode alloy on the selenium, and a contact arm bearing against the alloy.

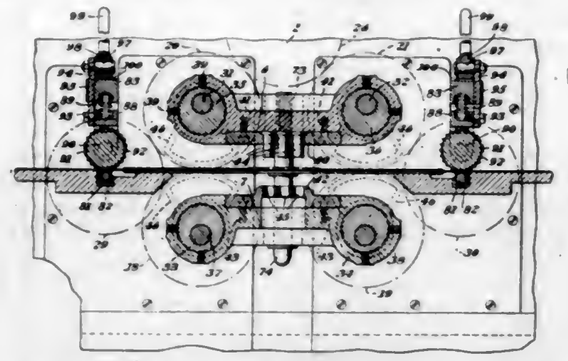
2,406,807
SIGHTING APPARATUS
Dan L. Colbath, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 17, 1943, Serial No. 514,591
5 Claims. (Cl. 88—2.3)



1. In an optical sighting device, a transparent member through which a target may be observed, a light-projecting system for producing a virtual image of a variable sized stadia figure in the line of sight of the observer by reflecting an image of said figure on said member, said system comprising a source of light, a collimator, a pair of superimposed opaque masking plates disposed between said source of light and said transparent member and located in approximately the focal plane of said collimator, said masking plates having a series of light-conducting portions arranged to intersect and thereby produce a luminous stadia figure, the proportions of which may be varied by relative movement of said masking plates, means for rotating one of said plates in

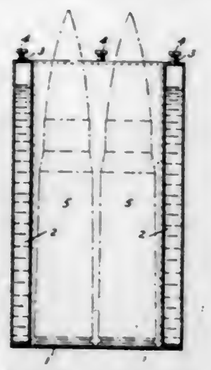
accordance with the known dimensions of said target, and means for rotating the other of said plates to vary said proportions of said stadia figure to cause said stadia figure to coincide with said target and thereby determine the range of said target.

2,406,808
FORMING MACHINE
Guy O. Conner, Wheeling, W. Va.
Application August 7, 1943, Serial No. 497,792
44 Claims. (Cl. 164—89)



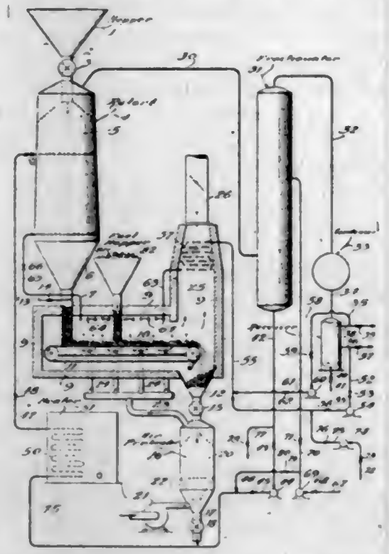
1. A forming machine comprising opposed cooperating forming heads each mounted for generally rotary movement while being guided so as to maintain substantially fixed orientation, said heads during operation of the machine moving toward and away from each other and when closest together moving also laterally generally in the same direction, work controlling means between and separate from said heads, means for guiding said work controlling means for substantially rectilinear movement, said movement being substantially in the direction of lateral movement of said heads when they are closest together, and means for oscillating said work controlling means synchronously with operation of said heads and at a speed which at the time said heads are closest together is substantially equal to the lateral speed of said heads.

2,406,809
WATER-COOLED AMMUNITION RACK
John H. Davis and Robert W. Matthews, Aberdeen Proving Ground, Md., and Nathaniel G. McLean, Memphis, Tenn.
Application July 15, 1944, Serial No. 545,172
3 Claims. (Cl. 220—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An ammunition receptacle comprising a plurality of substantially identical hollow elongated fluid-tight vertically-extending parallelopiped units each having a length equal to the predetermined, desired height of said receptacle and being of elongated rectangular cross section, said units being secured together along their vertical sides of lesser cross-sectional dimension, to form four walls, corresponding vertical ends of two opposed spaced walls being secured to the contiguous sides of the remaining two side walls, respectively, and a bottom secured to the coplanar lower ends of all said four walls, whereby to form a double-walled, fluid-tight receptacle.

2,406,810
TREATMENT OF HYDROCARBONACEOUS SOLIDS
Roland B. Day, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 18, 1944, Serial No. 527,128
7 Claims. (Cl. 196—56)

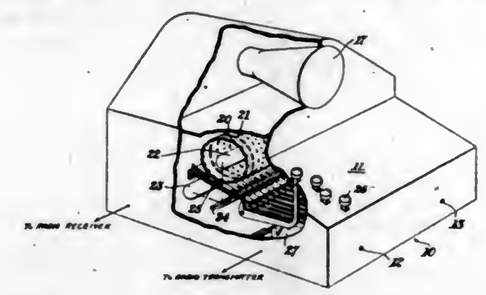


1. The method of distilling volatile hydrocarbons from hydrocarbonaceous solids which comprises passing the solid material in subdivided state and in the form of a bed downwardly through an externally unheated distilling retort, therein effecting the evolution of volatiles from the bed and leaving a combustible heavy residue in the solid material discharged from the bed and retort, burning combustibles from the solid material discharged from the retort and preventing admixture of the resultant combustion gases with the vapors evolved in the retort, passing hydrocarbon fluid in indirect heat exchange with hot combustion gases produced by said burning step to heat said fluid to a high temperature and introducing the heated fluid into the distilling retort and into direct contact with said bed therein to supply heat to the latter for effecting the evolution of volatiles from the said solid material.

2,406,811
FACSIMILE SYSTEM
Edmond M. Deloraine, New York, Henri G. Busignies, Forest Hills, and Louis A. de Rosa, Staten Island, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application December 15, 1942, Serial No. 469,056
8 Claims. (Cl. 178—6.7)

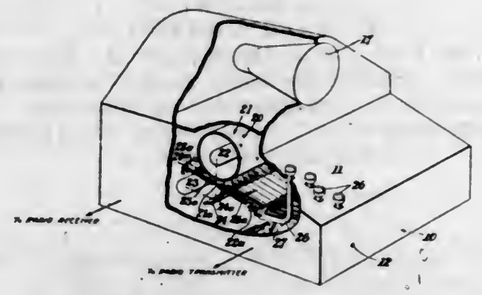
1. A transmission system comprising transmitter means for transmitting a plurality of times in succession a series of signal elements related to a selected signal character to be transmitted, receiving means, and oscillograph means for superposing and cumulating the successive series of

signal elements for reproducing in superposed relation the selected signal character, whereby the effect of interference on the received signals is



minimized because the interference does not superpose in time and as a consequence does not cumulate.

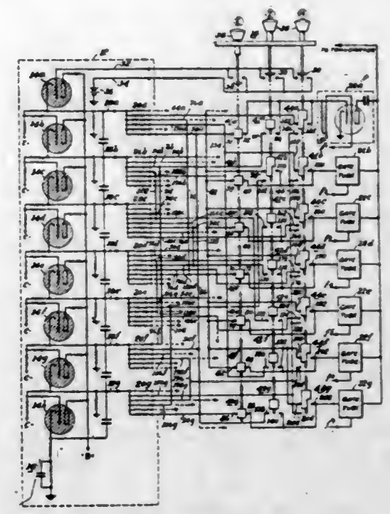
2,406,812
FACSIMILE SYSTEM AND METHOD
Edmond M. Deloraine, New York, Henri G. Busignies, Forest Hills, and Louis A. de Rosa, Staten Island, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application January 30, 1943, Serial No. 474,144
11 Claims. (Cl. 178—5)



1. A communication system comprising transmitter means for transmitting a series of impulses defining a character during a period of time which is short relative to the time between characters, a series of signal elements related to a selected signal character to be transmitted, said pulses having a sharp wave front and a high ratio of peak to average power, receiving means for receiving said series of pulses, interference minimizing means at said receiver for eliminating all energy below a predetermined level substantially lower than the peak energy level of said signal elements, and reproducing means for reproducing the character represented by said signal elements.

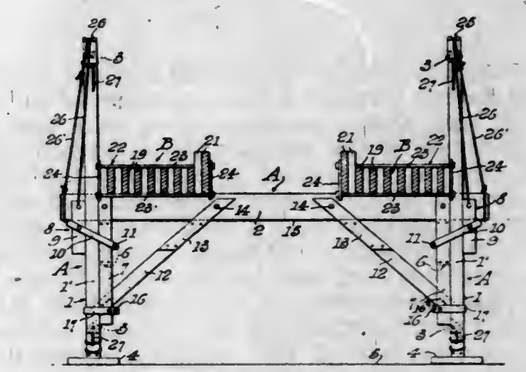
2,406,813
INTELLIGENCE TRANSMISSION SYSTEM
Louis A. de Rosa, West Brighton, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application June 18, 1943, Serial No. 491,287
10 Claims. (Cl. 178—30)

1. In a system for the transmission and reception of intelligence, the combination of an electronic counter circuit including a plurality of sequentially firing gaseous discharge tubes, means deriving a series of sequentially timed pulses from said gaseous discharge tubes, a corresponding plurality of normally non-conductive gate tubes, an actuating circuit for each gate tube, a separate energy source for each gate tube, the frequency of each source being different, transmitting means connected to the outputs of said gate tubes, means for starting and stopping said electronic counter circuit, switching means respectively interconnecting the outputs of said gaseous discharge tubes to the actuating circuits of said



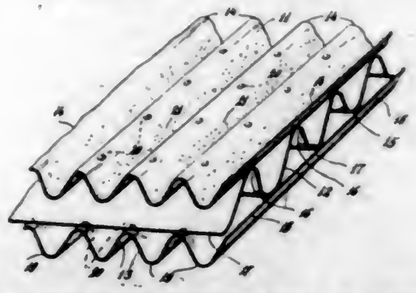
gate tubes to apply the sequentially timed pulses thereto in accordance with the intelligence-signifying signals desired, and a receiver, said receiver including means converting the received pulsed signals into intelligence.

2,406,814
TRESTLE BRIDGE
James A. Dorst, United States Army, Geiger Field, Wash.
Application December 17, 1943, Serial No. 514,613
2 Claims. (Cl. 14—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



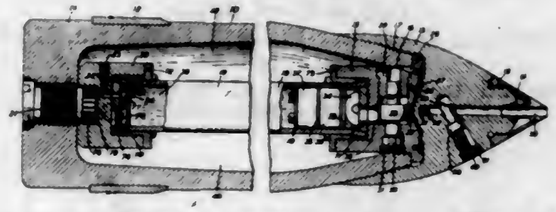
1. In a bridge structure of the class wherein a roadway is supported by a vertically adjustable transom arranged transversely between a pair of trestle columns positioned at opposite sides of said roadway, the combination with a trestle column and a transom, of a vertically adjustable transom support comprising a pair of friction blocks slidably disposed on opposite sides of said trestle column, one of said friction blocks being adapted to support said transom, suspension means for supporting the other friction block at a predetermined point on said trestle column and link means pivotally connecting said friction blocks, said link means being operably responsive to the weight of said transom on said transom supporting friction block for clamping each of said friction blocks on said trestle column.

2,406,815
MULTILAYER INSULATION
Thore Martin Elfving, Nockeby, Sweden
Application July 9, 1943, Serial No. 494,013
In Sweden January 10, 1938
6 Claims. (Cl. 154—45)



1. Heat insulation comprising a plurality of sheets of insulating material arranged to provide air spaces therebetween, said sheets comprising as a base material a cellulose ester in the form of foil having a thickness not exceeding approximately 0.1 mm., said foil including a non-metallic substantially non-reflecting heat absorbing agent in finely divided particle form in an amount not exceeding by weight approximately 25% of the weight of the foil.

2,406,816
SOUND RECORDING PROJECTILE
Lloyd A. Elmer, Summit, and Clarence A. Lovell, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 19, 1941, Serial No. 423,668
14 Claims. (Cl. 274—1)



1. In combination with a casing or shell adapted to be moved through a fluid medium, of mechanism in said shell operative when said shell is in motion, two closed compartments within said shell having a constricted passageway therebetween, one of said compartments being of variable capacity and having a fluid filling, and means for utilizing pressure generated in said medium by the movement of said shell therethrough to cause inward movement of one wall of said last-mentioned compartment to operate said mechanism under control of the resulting passage of fluid through said passageway.

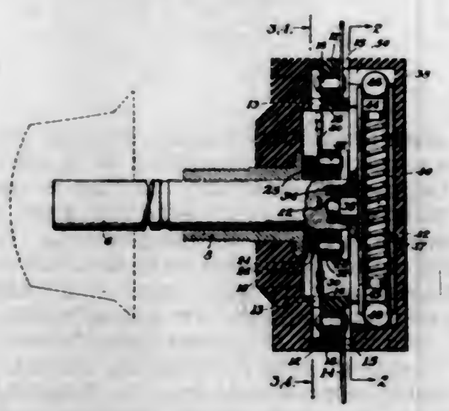
2,406,817
HAMMER SLOT AND FLOATING PIN ASSEMBLY FOR AUTOMATIC PUSH RODS
Herbert H. Engemann, Cleveland Heights, Ohio
Application June 2, 1944, Serial No. 538,455
8 Claims. (Cl. 123—90)

1. An extensible and contractable link member comprising threaded-together male and female members, a torsion spring reversely rotating said members for lengthening the link, an inertia hammer freely slidable on said link having diametrically opposed slots with substantially vertical first ends and inclined second ends, a pin freely carried by one of said threaded-together members projecting into said slots, and means holding said pin in assembled relation whereby movement of the sleeve in one direction will impart an axial impact on the pin while movement of the sleeve in the reverse direction



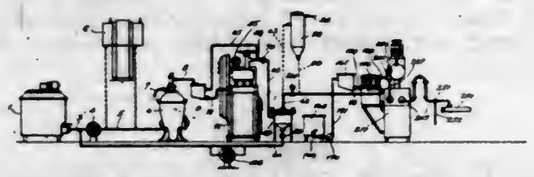
will cause a rotative impact on the pin resisting said torsion spring to thread the male and female members together for shortening the link.

2,406,818
ROTARY SWITCH
George H. Erb, South Orange, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application May 7, 1943, Serial No. 485,969
1 Claim. (Cl. 200—6)



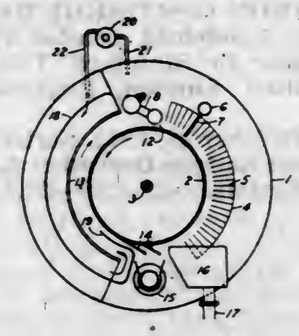
In a compact rotary switch and indexing mechanism, a housing having a substantially dust-proof recess therein, said recess comprising two portions, one portion being substantially cylindrical and containing a plurality of radially projecting contacts, and the other portion being substantially the shape of two opposing sectors wherein the arcuate surface of one sector is smooth and the surface of the other sector contains a plurality of spaced-apart axial grooves, a rotatable shaft supported by said housing coaxial with said recess, one or more conducting elements carried by said shaft for bridging adjacent radially projecting contacts in said cylindrical portion of said recess, and an indexing mechanism within said other dual-sector-shaped recess portion comprising a transverse bearing holder mounted on the said shaft and a pair of bearings, one of said bearings directly engaging said axially grooved arcuate surface, and the other of said bearings directly engaging said smooth arcuate surface.

2,406,819
BUTTER MANUFACTURE
Arthur W. Farrall, Wilmette, Ill., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a corporation of Illinois
Application June 12, 1944, Serial No. 539,969
32 Claims. (Cl. 99—119)



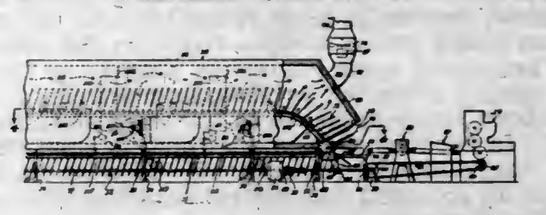
1. A process for manufacturing butter comprising; heating cream to a temperature at which the milk fat is substantially liquefied; separating the heated cream to produce a portion containing fat in high concentration; subjecting the concentrated cream to forces effective to break the normal fat-in-serum cream emulsion and produce a reversed phase serum-in-fat mixture having its fat and serum phases in unstable readily separable relation; separating serum therefrom to further concentrate the fat in greater proportion than is desired in the butter; adding butter composition ingredients to the concentrated fat portion in amount requisite to establish the proportion of fat desired in the butter; emulsifying the mixture of fat, serum and composition ingredients; and cooling, agitating and working the emulsion to effect crystallization of the fat, stabilization of the emulsion and granulation of the forming fat crystals for the production of butter.

2,406,820
METHOD FOR REMOVING SUSPENDED MATTER FROM SUSPENSIONS
Harmon F. Fisher, Palo Alto, and Albert C. Peck, Los Altos, Calif., assignors, by mesne assignments, to The Permanente Metals Corporation, a corporation of Delaware
Application April 19, 1943, Serial No. 483,564
4 Claims. (Cl. 204—184)



1. The method of separating finely divided electrically conducting solids from suspensions thereof in non-conducting liquids which comprises, passing a slurry of said suspension onto a continuously moving electrode, cataphoretically depositing the finely divided solids thereon by the effect of a unidirectional electric field between said electrode and a second ionizing electrode of opposite polarity, withdrawing the electrode from the electric field, blowing included liquid from the deposit by subjecting it to the action of a jet of high pressure gas, and then removing the deposit from the electrode.

2,406,821
HEAT PROCESSING MACHINE
Vernie A. Fox, Detroit, Mich.
Application February 20, 1942, Serial No. 432,541
6 Claims. (Cl. 34—66)



1. In a heat processing machine, an elongated oven having a downwardly inclined inlet end with a substantially horizontal inlet, a conveyor movable upwardly through said inlet end and through said oven, rack members carried by said conveyor for supporting sheet material on edge while being conveyed through said oven and to extend transversely of said inlet end and partially close said inlet, heating means in said oven, a series of blowers arranged beneath the conveyor in said oven for directing heated air upwardly between said conveyor and the sheet material thereon, one of said blowers being disposed adjacent said inclined inlet end to direct a blast of heated air transversely thereacross, and an exhaust fan disposed in one of the walls of said inclined inlet end for removing combustible gases from said oven.

2,406,822
CONTROL SYSTEM AND MECHANISM FOR HEAT PROCESSING MACHINES
Vernie A. Fox, Detroit, Mich.
Original application February 20, 1942, Serial No. 432,541. Divided and this application February 26, 1945, Serial No. 579,755
19 Claims. (Cl. 263—8)



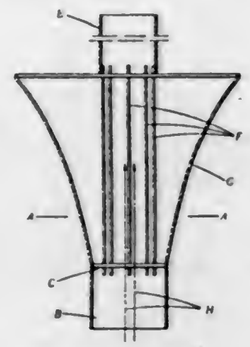
1. In a heat processing machine, an oven, a burner in said oven, means for supplying fuel to said burner, normally closed means for controlling the flow of fuel through said fuel supplying means, an air circulator positioned to move heated air from said burner through said oven, means for driving said air circulator, time delay means responsive to the lapse of a predetermined time period following the starting of said air circulator driving means for opening said fuel flow controlling means, and means for additionally delaying the opening of said fuel flow control means whereby to remove inflammable gases from said oven before permitting igniting of said burner.

2,406,823
BITUMINOUS EMULSIONS
Joseph E. Fratis, Berkeley, and Eugene H. Oakley, El Cerrito, Calif., assignors to American Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Continuation of application Serial No. 262,566, March 17, 1939. This application July 26, 1941, Serial No. 404,196
6 Claims. (Cl. 252—311.5)

1. A method of producing an asphalt which is emulsifiable in hot, dilute aqueous caustic soda

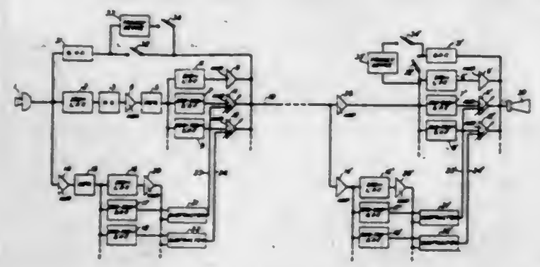
solution from an asphalt which is not so emulsifiable, which comprises adjusting the petroleum acid content of the asphalt not so emulsifiable, without otherwise substantially changing the composition of the asphalt, so as to produce an asphalt having at least about 1% and not more than about 3% by weight, based on the asphalt, of petroleum acids having an average molecular weight of about 500 to 1200, said petroleum acid content being adjusted to an amount sufficient only to produce an asphalt which is emulsifiable in hot, dilute aqueous caustic soda solution to form an emulsion which breaks quickly on contact with aggregate.

2,406,824
ELECTRON DISCHARGE APPARATUS
John Heaver Fremlin, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application June 25, 1941, Serial No. 399,598
In Great Britain June 21, 1940
6 Claims. (Cl. 250—163)



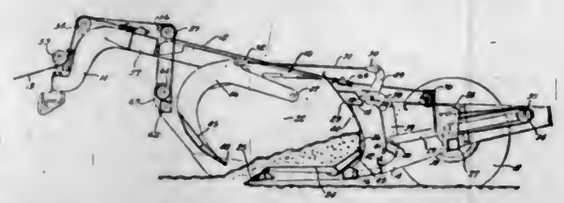
1. Electron discharge apparatus comprising, as a focussing system adapted when suitable potentials are applied to provide a desired potential gradient along the path of an electron beam, a foraminate tubular electrode surrounded by a coaxial tube capable of influencing the field within the foraminate tubular electrode, said electrode and tube being coextensive throughout at least part of their length and at least one of said tubular elements being of non-uniform diameter along the coextensive length of the system.

2,406,825
PRIVACY SYSTEM FOR SPEECH TRANSMISSION
Norman R. French, Pleasantville, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 18, 1943, Serial No. 479,571
11 Claims. (Cl. 179—1.5)



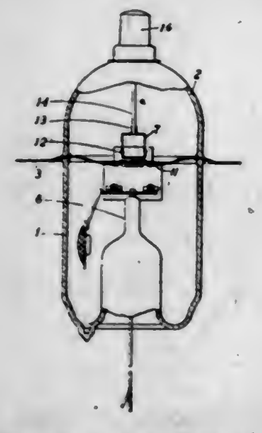
1. The method of transmission of the voiced sounds of speech comprising comparing the amplitude of the voice fundamental with the amplitude of each of a series of harmonics of the voice fundamental to derive a series of differential values, generating a series of harmonics of the voice fundamental, controlling the relative amplitude of each latter harmonic frequency wave with respect to the strength of the voice fundamental in accordance with a respective differential value derived from comparison of the corresponding voice harmonic and voice fundamental and transmitting said generated and controlled harmonics and voice fundamental.

2,406,826
SCRAPER
Henry C. French, Elm Grove, and Norman V. Kuehlman, Milwaukee, Wis., assignors to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application September 28, 1944, Serial No. 556,113
14 Claims. (Cl. 37—129)



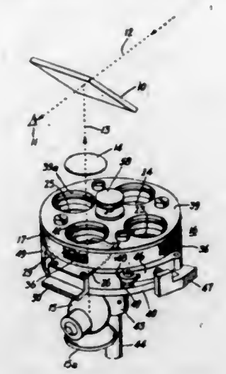
1. In a scraper, a front frame, a bowl frame pivotally connected with the front frame and including a bowl structure open at its front end, a wheeled support on which the bowl frame is pivotally mounted, said bowl structure including a rigidly mounted forward earth cutting blade, a movable bowl floor hingedly connected with said blade, and an apron pivotally mounted relative to the bowl structure and controlling the open front end thereof, oscillatable means mounted on the bowl frame, and means for transmitting motion from the oscillatable means to the apron to move the same so as to expose the front end of the bowl structure, the oscillatable means being spaced from but movable into engagement with the bowl floor to tilt the latter to a dumping position.

2,406,827
ELECTRON DISCHARGE DEVICE
Frank Douglas Goodchild, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application October 28, 1942, Serial No. 463,697
In Great Britain December 2, 1941
3 Claims. (Cl. 250—27.5)



1. An electron discharge tube comprising an envelope, a metallic screening disc sealed across and extending outside said envelope whereby the input and output sides of the tube are effectively screened, said screening disc having an aperture, a grid across said aperture and electrically connected with said screening disc, a cathode on one side of said grid and an anode on the other side thereof, and means on one side of said screening disc supporting said grid, cathode and anode together with an anode lead as a unitary structure in said envelope, said anode lead being sealed through the envelope on the opposite side of said screening disc.

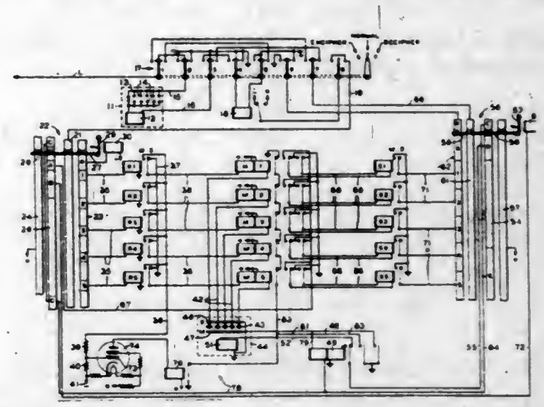
2,406,828
OPTICAL SIGHTING APPARATUS
Charles S. Grimshaw, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 15, 1942, Serial No. 443,031
14 Claims. (Cl. 88—2.3)



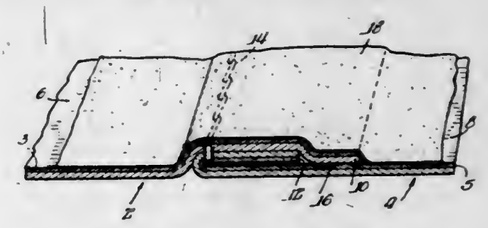
1. In an optical sighting device, a transparent member through which a target may be observed, a light projecting system for producing a virtual image of a variable size stadia figure in line of sight of the observer by reflecting an image of said figure on said member, said system comprising a source of light, a collimating lens, and a pair of superimposed opaque masking plates disposed between said source of light and said lens and located in approximately the focal plane of said lens, said masking plates having a series of light conducting portions arranged to intersect and thereby produce a luminous stadia figure comprising a plurality of points of light defining a luminous circle, the diameter of which may be varied by relative movement of said masking plates.

2,406,829
TELEGRAPH SYSTEM
Hakon H. Haglund, Pelham, and Albert W. Breyfogel, Howard Beach, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application June 27, 1942, Serial No. 448,722
34 Claims. (Cl. 178—22)

23. In a telegraph system, a line circuit including simplex operated terminal sections and at least one intermediate multiplex operated section, signal repeaters at the junctions of said multiplex and simplex operated sections which operate to fortuitously insert predetermined code groups into the code groups repeated, cyclically operable simplex message character send-receive mechanisms at the terminals of said circuit, means at the terminals of the line for enciphering and deciphering messages transmitted and received respectively over said line, means for normally operating said enciphering means concomitantly with each message character code group transmitted, means for normally operating said deciphering means concomitantly with each character code group received, and means for preventing the operation of said deciphering means on receipt of the predetermined code groups inserted at said repeaters.

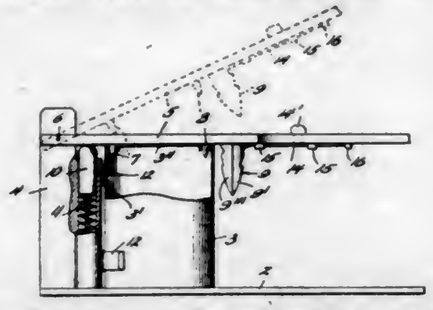


2,406,830
METHOD OF SEALING TOGETHER TWO PIECES OF WATERPROOF FABRIC, AND THE SEAM FORMED THEREBY
Howard H. Haman and Charles E. Whalen, Three Oaks, Mich., assignors to The Warren Featherbone Co., Three Oaks, Mich., a corporation of Michigan
Application June 9, 1944, Serial No. 539,456
2 Claims. (Cl. 154—42)



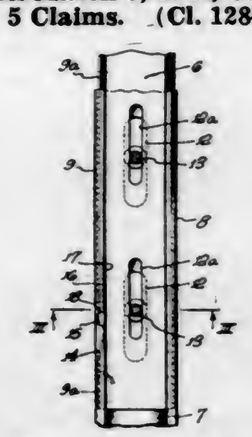
1. A method of forming a seam in waterproof fabric including the steps of superposing one piece of fabric having a marginal edge on another piece of fabric having a marginal edge with the marginal edge of the upper fabric piece spaced inwardly from the marginal edge of the lower fabric piece with the edges in substantially parallel relation, stitching said pieces of fabric together along a line substantially parallel to but spaced inwardly from the marginal edge of the uppermost piece of fabric, covering the area including the line of stitching and the marginal edge of the upper piece of fabric with waterproof material whereby to seal the line of stitching and the upper marginal edge to the upper surface of the lower piece of fabric, swinging the lower piece of fabric approximately 180 degrees around the line of stitching and swinging the marginal edges substantially 180 degrees around the line of stitching to bring the bottom surface of the lower piece of fabric substantially into a plane with the upper surface of the upper piece of fabric with the tab of the lower piece of fabric extending from the stitching to its marginal edge overlapping and extending beyond the marginal edge of the upper piece of fabric, then covering the area including the upper surface of the upper piece of fabric and the lower surface of the lower piece of fabric adjacent the juncture of the marginal edge of the lower piece of fabric and the line of stitching with waterproof material.

2,406,831
CAN PUNCHING DEVICE
Jack Hansen, Everett, Wash.
Application August 9, 1945, Serial No. 609,898
5 Claims. (Cl. 30—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A can punching device including an operating lever and a small punch thereon adapted to punch a pouring aperture in a can-head upon actuation of the operating lever, a large punch movable on the operating lever into and out of operative position, said large punch having one of its sides formed arcuately to conform substantially to the contour of the side wall of a can and provided with a cavity to house the small punch therein when the large punch is moved into can-punching position.

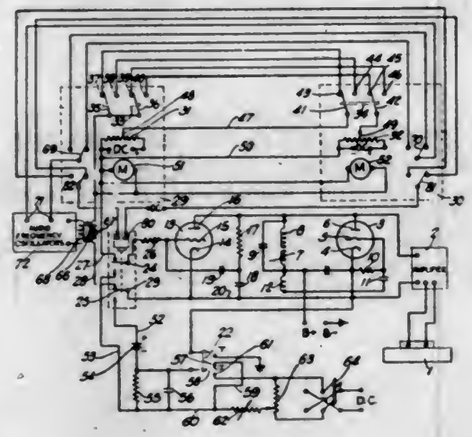
2,406,832
FRACTURE PLATE
Mervyn G. Hardinge, Loma Linda, Calif.
Application March 5, 1945, Serial No. 581,075
5 Claims. (Cl. 128—87)



1. In a fracture plate to be secured to a pair of bone fragments and to extend across the fracture line, a pair of plate elements extending in overlapping relation to each other, means intercoupling said plates for telescopic movement relative to each other between an extended position and a contracted position, and means for resisting movement of said plates toward said extended position but permitting substantially free movement of said plates toward said contracted position.

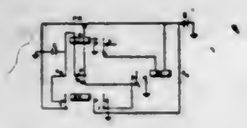
2,406,833
SUBMARINE SIGNALING
Bertram M. Harrison, Wellesley Hills, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application June 11, 1940, Serial No. 339,922. Divided and this application December 11, 1942, Serial No. 468,865
2 Claims. (Cl. 177—386)

2. In a submarine signaling system having a submarine projector and an oscillatory circuit for operating the same, remote control means for operating said system from more than one station including electrical potentiometer control means located and operated at each station for varying the oscillator frequency at will, said potentiometer control means being connected in common on one side to a point in said oscillatory circuit, a double-pole, two-position switch



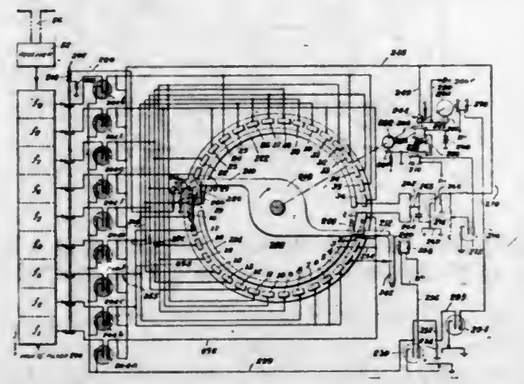
at each station with the contacts correspondingly interconnected, the double poles of one switch being connected together and to a point in the oscillatory circuit and the double poles of the other switch connected one to each of the variable taps on the potentiometer control means, whereby at will each station may take control for varying the oscillator frequency at will.

2,406,834
ARRANGEMENT FOR RECEIVING PREDETERMINED TRAINS OF ELECTRIC IMPULSES
George Clifford Hartley, Leonard Powell Lowry, and Frederick Harry Bray, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application May 28, 1943, Serial No. 488,868
In Great Britain June 4, 1942
12 Claims. (Cl. 177—353)



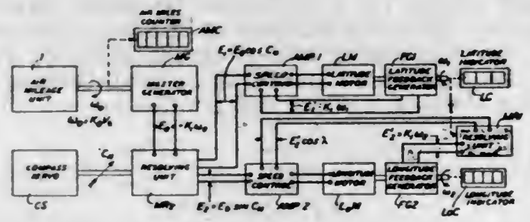
1. In an automatic signaling system, a polarized relay having an armature electromagnetically controlled by two opposite windings each establishing any one of two switching positions in accordance with current polarity, a first circuit means connected to one of said windings, means for supplying current to said first circuit means, a second circuit means connected to the second of said windings and comprising capacitance means, means for supplying current to said second circuit means to cause charging of said capacitance means, a first switching means controlled by said relay for reversing the direction of current in said first circuit means and for discharging said capacitance means in said second circuit means, and a second switching means controlled by said relay to open and close periodically in accordance with the charging and discharging of said capacitance means.

2,406,835
METHOD AND MEANS FOR TRANSMITTING INTELLIGENCE
John A. Herbst, Oradell, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application August 20, 1943, Serial No. 499,341
22 Claims. (Cl. 178—32)



1. In an intelligence transmission system wherein the intelligence is transmitted by a combination of frequencies selected from a number thereof, a receiving station having a receiver, filter means connected to said receiver for separating the combination of transmitted frequencies, intelligence reproducing means, variable energy control means between the filter means and the reproducing means and means responsive to the output of said filters for controlling said reproducing means to reproduce the intelligence transmitted.

2,406,836
ELECTRIC AIR POSITION INDICATOR
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 24, 1944, Serial No. 527,998
5 Claims. (Cl. 235—61)

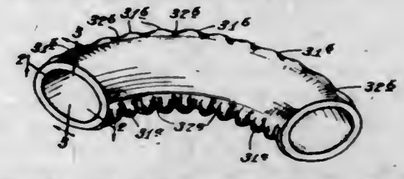


1. In an air position indicator for an aircraft, an indicator for indicating the instant number of air miles flown, an indicator for indicating the instant latitude position of said aircraft, an indicator for indicating the instant longitude position of said aircraft, means for operating said first indicator in accordance with the air speed of the aircraft, means for generating a potential commensurate with the air speed of said aircraft, means controlled in accordance with the true compass course of the flight for deriving values of said potential which vary in accordance with the sine and cosine of the course angle, means controlled by said cosine potential for operating said latitude indicator, means controlled by said latter means for generating a potential which varies in accordance with the cosine of the latitude angle, and means controlled jointly by said latter potential and by said sine potential for operating said longitude indicator.

2,406,837
STABILIZED POLYVINYL FLUORIDE
Frederick L. Johnston, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 19, 1943, Serial No. 510,962
2 Claims. (Cl. 260—88)

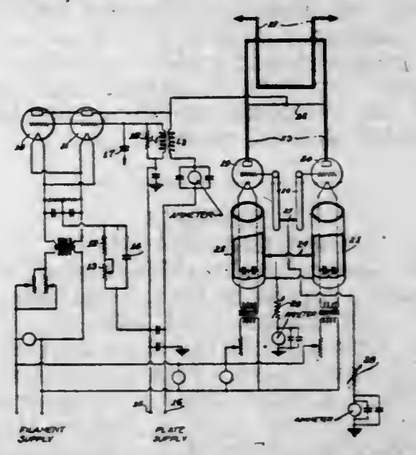
1. A composition of matter comprising polyvinyl fluoride which is stable against discoloration and decomposition when heated 5 minutes at 225° C., said composition comprising polyvinyl fluoride having dicyclohexylamine intimately dispersed therethrough in amount of 0.1% to 5% by weight of the polyvinyl fluoride.

2,406,838
METHOD OF FORMING BENT TUBING
Francis M. Kepler, Upper Darby, Pa.
Application June 28, 1943, Serial No. 492,547
10 Claims. (Cl. 153—54)



1. A method of forming bent tubing which comprises forming a generally straight length of tubing having a uniform inner bore and having integral raised shoulders extending along the sides thereof, forming diametrically opposed series of peripherally extending corrugations along said shoulders while supporting said inner bore against distortion, and bending said tubing to deepen the corrugations along one of said shoulders on the inner side of the bend and to flatten the corrugations along the other of said shoulders along the outer side of the bend, while supporting said inner bore against distortion, thereby to provide bent tubing having a generally smooth and uniform inner bore and having minimum wall thickness not substantially less than that of the original straight tubing.

2,406,839
IMPEDANCE MATCHING DEVICE
Emile Labin, New York, and James H. Nye, Jackson Heights, N. Y., assignors to Federal Telephone and Radio Corporation, a corporation of Delaware
Application January 12, 1942, Serial No. 426,455
4 Claims. (Cl. 250—17)



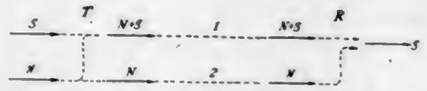
4. An impulse transmitter comprising an impulse modulator and a radio frequency oscillator, said oscillator including vacuum tube means hav-

ing an anode circuit to ground, a cathode circuit to ground, a grid circuit to ground, and means coupling said anode circuit to said modulator, said grid circuit having a biasing resistance means, said cathode circuit having an adjustable resistance means adjustment of which operates to vary the impedance of the anode circuit for impedance matching with respect to the modulator impedance while negligibly affecting the grid biasing adjustment.

2,406,840
METHOD OF PREPARING PECTASE
Herbert T. Leo and Clarence C. Taylor, Anaheim, Calif.
No Drawing. Application October 23, 1943, Serial No. 507,454
2 Claims. (Cl. 195—62)

1. A method of preparing from growing leguminous plant material a clear colorless pectase extract which comprises mechanically disintegrating said vegetable material, steeping the disintegrated material with water, separating the steeped vegetable material from the resulting green aqueous pectase extract, incorporating with the resulting extract sufficient calcium carbonate to effect in the extract a pH value of at least 6.00, incorporating with the chalk containing extract an amount of a soluble aluminum salt capable of effecting in said extract a pH ranging from 4.00 to 4.50, and separating the resulting precipitate from the extract.

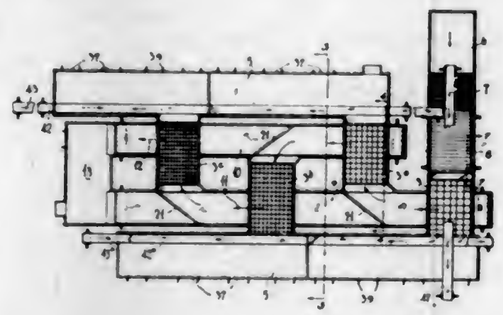
2,406,841
SECRET TRANSMISSION SYSTEM
Maurice Moise Levy, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application September 11, 1942, Serial No. 458,061
In Great Britain July 9, 1941
8 Claims. (Cl. 179—1.5)



1. Secrecy system comprising separate first and second signal channels, a transmitting station, means at said transmitting station for transmitting over said first channel a first set of unintelligible signals, means for transmitting over said second channel a second set of different unintelligible signals, at least one of said sets of signals containing all wave components from which a desired message signal is derivable, a receiving station, means at said receiving station for combining said two sets of signals, and means for utilizing the resultant of the combined signals to derive the desired message.

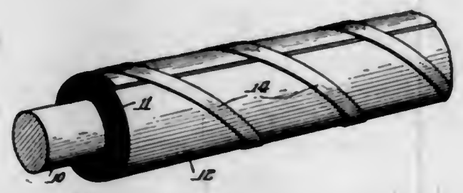
2,406,842
GRADING MACHINE
McSherry Lupton, Winchester, Va.
Application August 9, 1941, Serial No. 406,177
14 Claims. (Cl. 209—84)

1. In a fruit grading machine of the class set forth, the combination with parallel main conveyor belts of a plurality of grading units spaced along said conveyor belts to receive fruit therefrom, each of said grading units extending from a belt to receive fruit therefrom and bridging a next adjacent belt to discharge fruit thereon, said units being in staggered relation in that alternate units extend from the same belt, each grading unit comprising an endless sizing chain and sup-



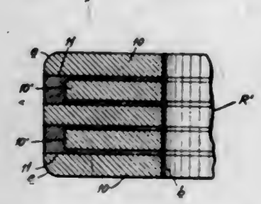
porting and driving means therefor, and a bin for each grading unit for receiving graded fruit.

2,406,843
PROCESS FOR MOLDING MATERIALS UNDER HEAT AND PRESSURE
Harold J. Luth, Herman B. Scheidemantel, and Sydney R. Krupnick, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application April 19, 1943, Serial No. 483,540
7 Claims. (Cl. 154—83)



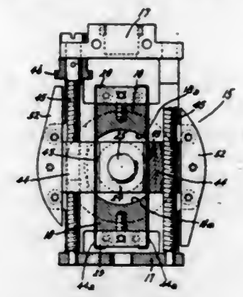
1. A process for making molded plywood articles having external curved surfaces, comprising fitting the plywood material over a form having the desired shape, covering the plywood material with a sheet of vulcanized rubber, stretching said rubber sheet in a direction to apply pressure against the entire surface of the plywood material, and increasing said pressure solely by heating the assembled parts while maintaining the rubber sheet in a stretched condition.

2,406,844
PISTON RING
Charles A. Marien and Melvin W. Marien, St. Louis, Mo., assignors to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo., a corporation of Missouri
Application July 12, 1943, Serial No. 494,292
13 Claims. (Cl. 309—44)



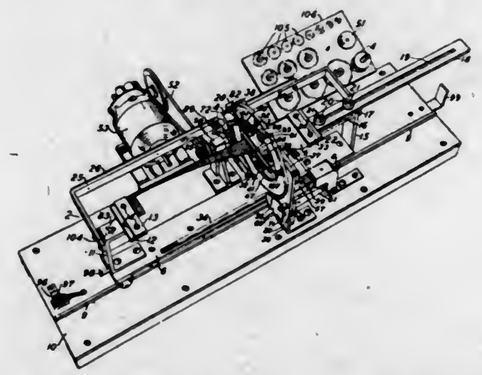
1. A composite piston ring comprising at least two superposed annular metallic segments permanently joined into an integral structure by a cohering metallic substance lower in the scale of hardness than the segments.

2,406,845
GYROSCOPIC DEVICE
John R. Moore, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 22, 1943, Serial No. 473,156
1 Claim. (Cl. 175—21)



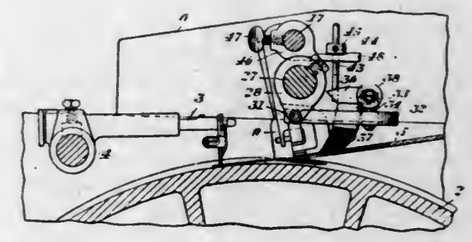
A magnetic device comprising a magnet for generating a magnetic flux, means defining a flux path threaded by said flux and constituting a first magnetic circuit, means forming a second flux path constituting a second magnetic circuit parallel to said first magnetic circuit, and including a member aligned with said magnet, and movable elements on opposite sides of said member having surfaces facing along the side surfaces of said member, said movable elements being movable in opposite directions away from registry with said side surfaces, and means for shifting said elements simultaneously with reference to said side surfaces in order to vary the reluctance of said second magnetic circuit.

2,406,846
WINDING MACHINE
Arno H. Muller, Wood-Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1940, Serial No. 342,885
4 Claims. (Cl. 242—9)



1. A machine for winding strand material onto a support comprising a longitudinally movable carriage, spaced and relatively movable arms mounted on said carriage, each of said arms being equipped with a clamp for holding an end of said support and one of said clamps being adjustable so that said support may be held in a taut condition, a rotatable ring encircling the line of travel of said support, means to operate said carriage and said ring, a spring operated windlass carried by said ring and extending normal to the plane of said ring, said windlass being adapted to support a supply of said strand material, said windlass comprising a rod supported on said ring, a sleeve rotatably supported on said rod, means supported on said rod and normally pressing said sleeve into sufficient frictional engagement with said ring to prevent rotation of said sleeve on said rod, a spool and spool holding means rotatably supported on said sleeve, a wind-up spring attached to said sleeve and to said spool holding means and said windlass being adapted to maintain said strand material taut during the winding operation and being also adapted to slip around on said rod to prevent overtensioning of said strand material when said spring is wound up to a predetermined extent and a further pull is applied to said strand material.

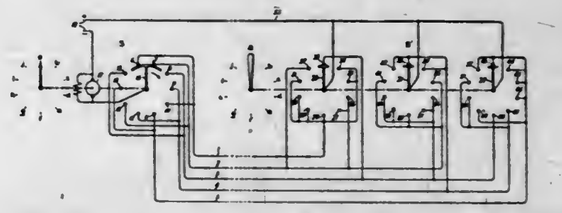
2,406,847
REGISTERING SHEETS
Andrew Neuhart, Pittsburgh, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1941, Serial No. 400,367
43 Claims. (Cl. 271—58)



1. A method of registering a sheet to front and side guides comprising moving the sheet toward said guides and operating upon the sheet by a brush moving relatively to the sheet and having certain bristles continuously in engagement therewith in a direction generally toward both of said guides.

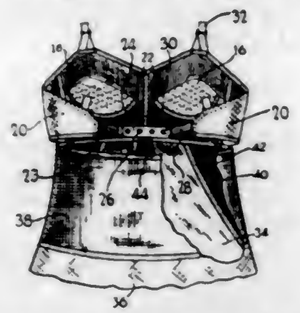
2. Sheet registering apparatus comprising a support upon which a sheet is adapted to move toward front and side guides and brush means having certain bristles continuously engaging the sheet and movable to sweep over the sheet generally toward both front and side guides.

2,406,848
REMOTE-CONTROL SYSTEM
Robert L. Novak, Devon, Conn., assignor to General Electric Company, a corporation of New York
Application October 7, 1944, Serial No. 557,657
4 Claims. (Cl. 172—239)



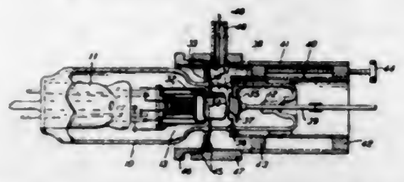
1. In a remote control system in which two remote points are interconnected by n control conductors and a common return conductor where n represents four or more, means at one of said points for selectively impressing a voltage between said common return conductor and a plurality of different groups of n—2 control conductors, and means at the other of said points selectively operable to different predetermined positions in response to the energization of said different groups of n—2 control conductors.

2,406,849
BRASSIÈRE SLIP
Abe Novick, South Orange, N. J., assignor to Lewel Manufacturing Co. Inc., Newark, N. J., a corporation of New Jersey
Application March 20, 1944, Serial No. 527,203
6 Claims. (Cl. 2—73)



4. A brassière slip comprising a breast molding and supporting brassière top and a half-slip, said brassière top including a bust encircling brassière band having two ends provided with means for mutual detachable attachment at the rear of a wearer, a circumferentially resilient, waist encircling band around the upper edge of the half-slip which interconnects said brassière top and half-slip only at the front of the brassière slip and is adapted to cling to the wearer, and a strip of material interconnecting said bust encircling band adjacent said ends with the rear of said circumferentially resilient band.

2,406,850
ELECTRON DISCHARGE APPARATUS
John R. Pierce, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 11, 1941, Serial No. 388,043
9 Claims. (Cl. 315—5)

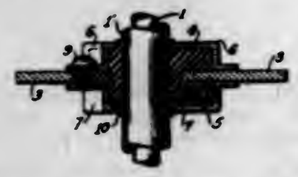


1. Electron discharge apparatus comprising a pair of spaced electrodes having juxtaposed reticulated portions defining a gap, an electron gun opposite one of said electrodes and in alignment with said gap, and a reflecting electrode opposite the other of said electrodes and in alignment with said gap, said reticulated portions being dished in the direction away from said electron gun.

2,406,851
FISCHER SYNTHESIS
Aaron K. Redcay, Baton Rouge, La., assignor, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware
Application August 15, 1941, Serial No. 406,947
5 Claims. (Cl. 260—449.6)

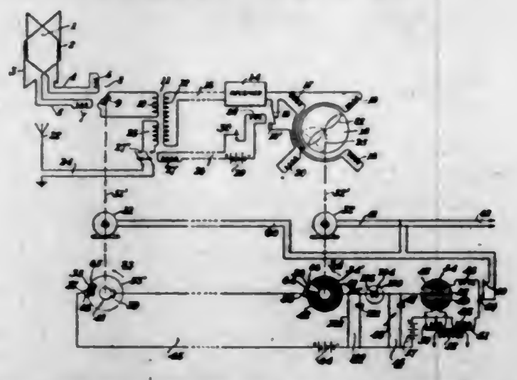
1. Improved process for the production of hydrocarbons boiling within the motor fuel boiling range which comprises passing a synthesis gas stream containing oxides of carbon and hydrogen and containing suspended therein a powdered catalyst upwardly through a reaction zone, maintaining temperature and pressure conditions in said reaction zone adapted to hydrogenate the oxides of carbon and to form hydrocarbons containing more than one carbon atom in the molecule, removing the reaction products overhead and segregating a portion of the hydrocarbons boiling within the motor fuel boiling range, and returning said segregated portion to said reaction chamber at a point where it will be substantially completely vaporized.

2,406,852
CONDUCTOR GROMMET ASSEMBLY
Reginald T. Relf, Chatham, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application October 5, 1942, Serial No. 460,895
4 Claims. (Cl. 174—153)



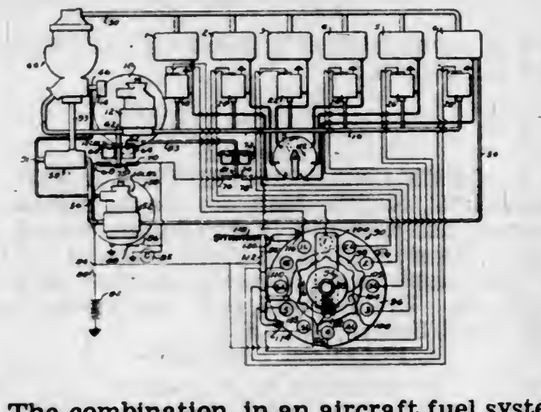
2. A grommet assembly for supporting an electric conductor passing through a hole in a plate comprising an elastic grommet, a flange at each end of said grommet having a plurality of indentations formed in the edges thereof to aid in the inserting of the grommet in said hole, an axially disposed opening in said grommet adapted to receive closely a conductor extended therethrough, a cup-shaped ring disposed over each flange and having an aperture in spaced relation to the conductor and of lesser diameter than that of the plate aperture, a plurality of screws extended through said plate and connecting said cup-shaped rings for clamping said flanges with a compressive force, and said cup-shaped rings being formed with internal bosses which enter the indentations in the edges of said flanges.

2,406,853
ROTARY POSITION CORRECTOR
Avery G. Richardson, Boonton, N. J., and Frank O. Chesus, Islip, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application February 6, 1943, Serial No. 474,984
12 Claims. (Cl. 172—293)



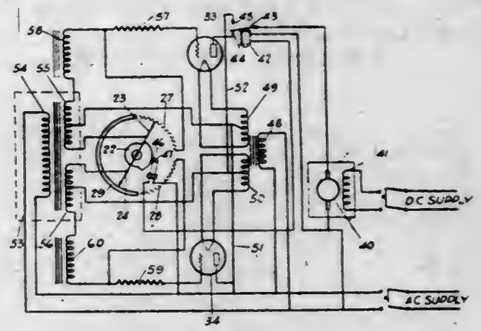
1. Means for impelling a given angular relationship between two rotating members, comprising a first synchronous motor for rotating one of said members, a second synchronous motor for rotating the other of said members, both motors being of the salient pole type, a power supply for both motors, a first contactor operated by one of said motors, a second contactor operated by the other of said motors, both of said contactors having open and closed durations, the open duration of one contactor being equal to the closed duration of the other contactor, when both motors are revolving at synchronous speed, a series circuit comprising an energy source, said first and second contactors and an energy translator, a means for causing one of said motors to slip one of said salient poles whenever said translator is energized from said series circuit, and means for repeating the action of said first means until said given angular relationship is attained.

2,406,854
MULTIPLE TANK FUEL SYSTEM
David Samiran, Osborn, Ohio
Application February 12, 1943, Serial No. 475,683
9 Claims. (Cl. 158—36.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



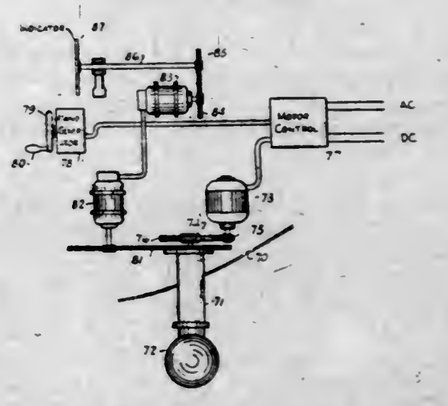
1. The combination, in an aircraft fuel system, of an engine, a main fuel pump driven by said engine, a plurality of fuel tanks each connected to the suction side of said pump, an electromagnetically operated valve interposed in each of the lines which connect a tank to the pump, a solenoid for holding the valve open, a carburetor connected to the discharge side of said pump, an auxiliary fuel pump having its suction side connected to one of said tanks independently of the electromagnetically operated valve and having its discharge line connected to the discharge side of said main pump, a check valve in said discharge line biased to prevent flow from the discharge side of the main fuel pump to the discharge side of the auxiliary fuel pump, an electric motor for driving said auxiliary fuel pump, an electric current source, a switch for connecting said electric motor to said source, a pressure operated means connected to the discharge side of said main fuel pump for holding said switch open by said discharge pressure, a rotatable switch having circumferentially spaced insulated current supplying contacts for directing current to the coils of the electromagnetically operated valves, an electric motor for rotating said rotatable switch, a cam rotatable by said motor, said cam having a series of lobes and a series of detent notches, each corresponding to the number of electrically operated valves, a cam operated switch, successively operable to open position by each of said lobes upon rotation of said cam, a current supplying arm rotatable about the axis of said cam, a detent member carried by said arm for resiliently engaging in any selected one of said detent notches, said notches and said lobes being so spaced on said cam that when the arm engages a valve holding solenoid contact, the cam operated switch is open, electrically conductive means for connecting the current source in parallel through the fuel pressure operated switch and through the cam operated switch to the rotatable switch electric motor, electrically conductive means for connecting the current source to the arm of the rotatable switch, and electrically conductive means for connecting the current source through the fuel pressure operated switch to the auxiliary pump motor.

2,406,855
APPARATUS FOR CONTROLLING ROTATION
Howard A. Satterlee, Sharon, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application March 2, 1936, Serial No. 66,634
6 Claims. (Cl. 181—0.5)



5. In a submarine signaling system having a signaling head, means for controlling the position of said signaling head including in combination with said signaling head, a shaft for turning the same, an electric motor for rotating said shaft, a control switch means for starting and stopping said motor and controlling the direction of rotation thereof and a differential system operating said control switch means, said system including means for manually turning said control switch in either direction, means for returning the control switch to its normal position, said means including means operatively associated with the signaling head shaft, said control switch including means for applying direct current impulses to said motor to rotate the motor in the direction desired.

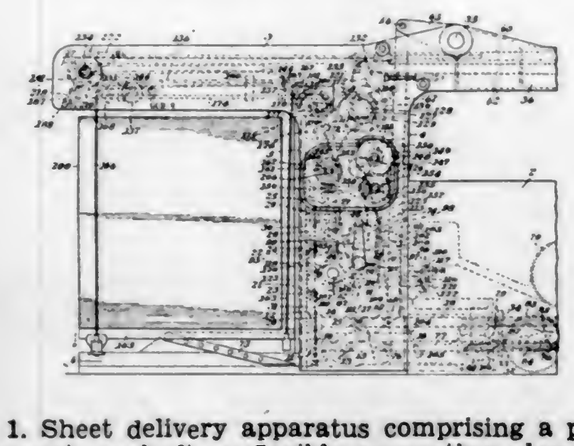
2,406,856
APPARATUS FOR CONTROLLING ROTATION
Howard Avery Satterlee, Needham, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application February 11, 1937, Serial No. 125,280
5 Claims. (Cl. 181—0.5)



1. In an acoustic signaling device means for controlling the speed and rotation of said device

comprising an electric motor, means connecting said motor to said device for rotating the same, a source of electric power connected to said motor having means electrically operable to control the speed and rotation of said motor, and a hand generator connected to said electrically operable means for controlling the operation of said motor at speeds corresponding proportionally to the speeds of rotation of said hand generator.

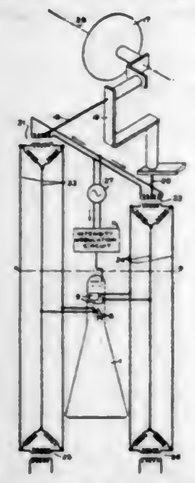
2,406,857
SHEET HANDLING APPARATUS
August A. Saul, Pittsburgh, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania
Original application April 3, 1941, Serial No. 386,652. Divided and this application May 25, 1944, Serial No. 537,222
12 Claims. (Cl. 271—88)



1. Sheet delivery apparatus comprising a pile support, a shaft, a flexible supporting element connected with the pile support and wound about the shaft so that the mass of the pile support acting through the flexible supporting element tends to turn the shaft in such a direction as to cause lowering of the pile support, a pawl connected with the shaft, a ratchet mounted upon the shaft and with which the pawl engages so that the pawl tends to turn the ratchet about the axis of the shaft in the direction of turning of the shaft to cause lowering of the pile support and means turning the ratchet in said direction, thus permitting the pawl and consequently the shaft actuated by the mass of the pile support to turn about the axis of the shaft in said direction to lower the pile support.

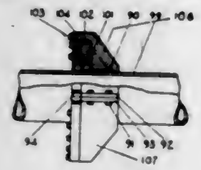
2,406,858
VISUAL POSITION AND PHASE SENSE INDICATOR
James E. Shepherd, Hempstead, and John D. Mallett, Garden City, N. Y., assignors to Sperry Gyroscope Company, Inc., a corporation of New York
Application April 15, 1943, Serial No. 483,218
24 Claims. (Cl. 177—351)

1. In a visual position indicator, the combination with a displaceable member of means for producing a pulsating signal voltage proportional in amplitude to the magnitude of displacement of said member relative to a reference position, a cathode ray tube provided with means electrically connected with said signal-producing means and operable in accordance with the voltages supplied thereto to control the angular position of the path traced by the fluorescent spot due to the cathode ray relative to the electrical axis of the tube, and means for decreasing the intensity of said cathode ray for a portion of its trace path to render the figure traced by said



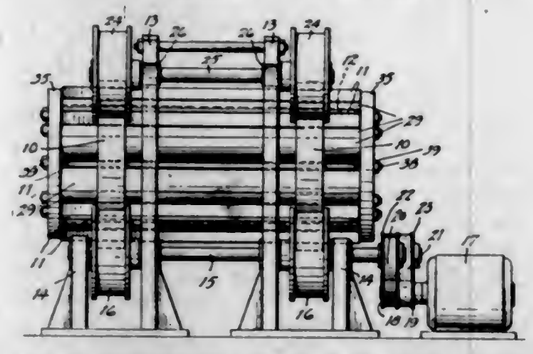
spot of asymmetrical appearance with respect to said electrical axis.

2,406,859
COMMUNICATION IN PIPE LINES
Edward W. Smith, Melrose, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application January 10, 1934, Serial No. 706,159. Divided and this application August 12, 1936, Serial No. 95,567
10 Claims. (Cl. 179—1)



1. A means for transmitting vibrations along a metallic pipe comprising a collar formed on the pipe and a Rochelle salts oscillator formed in part with said collar for transmitting and receiving compressional wave vibrations.

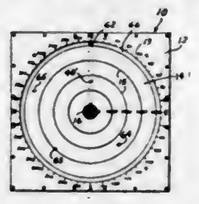
2,406,860
CENTRIFUGAL CASTING
Harry G. Specht, Montclair, N. J.
Application June 18, 1943, Serial No. 491,305
11 Claims. (Cl. 22—65)



1. In a centrifugal casting machine, a mould carrier adapted for rotation about a longitudinal axis including a series of circumferentially spaced mould support members extending longitudinally in substantially parallel alignment with said axis, there being open spaces between said mould support members extending longitudinally in substantially parallel alignment with said axis, and a plurality of longitudinally disposed mould units

carried within said carrier in concentric relation about and in parallel alignment with said axis, respectively disposed in said longitudinal spaces of said carrier and each supported along its longitudinal edge portions by said mould supporting members.

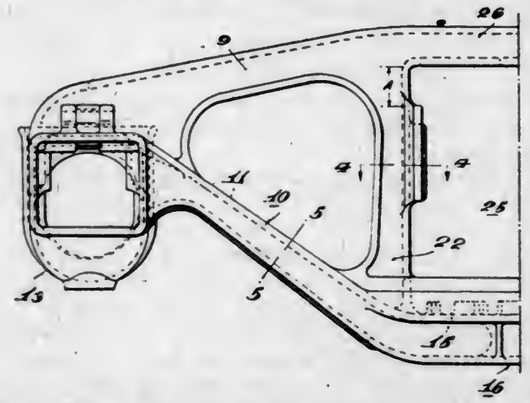
2,406,861
PLOTTER INDICATOR FOR HARBOR DEFENSE
Earl W. Springer, Silver Hill, Md.
Application April 9, 1943, Serial No. 482,509
8 Claims. (Cl. 177—386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. Means for locating an unknown object in a harbor or similar limited area comprising a sound projector and echo detector located in the area, a range and azimuth plotting means located in a convenient position, range and azimuth indicating means forming part of said plotting means, means connecting said sound projector and echo detector to said plotting means causing said sound projector to project a sound which, when echoed, causes said echo detector to actuate said range and azimuth indicating means of said plotting means, and means for synchronously training said range and azimuth indicating means over the plotting means and said sound projector and echo detector over the area.

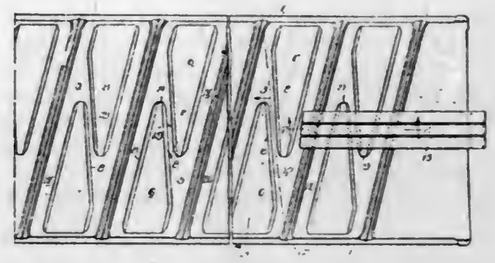
7. A method for detecting the location or passage of an unknown object in a limited area comprising selectively projecting a sound over all the various portions of the limited area, plotting the range and azimuth of echoes produced by all known echo-producing objects within such area, continuing to selectively project sounds over the various portions of the area and plotting any echoes whose range and azimuth do not agree with the range and azimuth of the echoes already plotted from the known objects to thereby detect an unknown object.

2,406,862
SIDE FRAME FOR RAILWAY CAR TRUCKS
Harry W. Stertzbach, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application November 29, 1943, Serial No. 512,191
6 Claims. (Cl. 105—206)



2. A railway car truck side frame comprising compression and tension members, each of inverted channel shape, said members converging toward an end of the frame, a journal box arranged at said end of the frame and integral with said members, said box having a top and the tension member having a top web merging with said top, the bottom of the top having four symmetrically placed beveled inner surfaces spaced from the front and rear ends of the journal box, each pair of which transversely of the frame is spaced a distance equal to the width of the tension member.

2,406,863
PANELED STEEL ROOF
James S. Swann, Homewood, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application July 9, 1945, Serial No. 603,860
26 Claims. (Cl. 108—5.4)



20. A railway car roof sheet having a pair of substantially triangular panels formed therein, the bases of said triangular panels located adjacent opposite ends of the sheet, said panels overlapping each other sufficiently to develop the bending moment requirement of the two panels so as to form, in effect, a single beam between the opposite ends of the sheet, and the space between the panels forming a diagonal stiffener between the ends of the sheet.

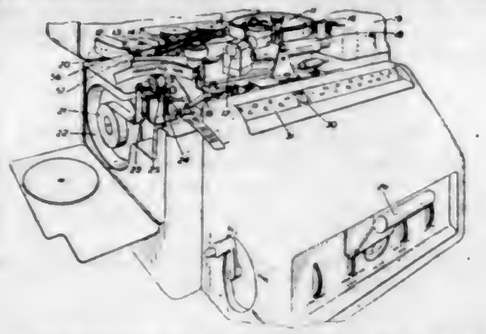
2,406,864
MANUFACTURE OF HYDROCARBONS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 31, 1939, Serial No. 276.553
14 Claims. (Cl. 260—449.6)

1. In the synthesis of hydrocarbons by reaction of carbon monoxide and hydrogen in the presence of a hydrogenating catalyst consisting essentially of thoria and at least one of the metals of group VIII of the periodic system, the method of increasing the anti-knock value of the hydrocarbons produced by the synthesis which comprises associating with said catalyst an isomerizing and cracking catalyst consisting essentially of a major proportion of silica and a minor proportion of at least one of the oxides of the group consisting of alumina and zirconia.

2,406,865
MEANS FOR PREPARING FACSIMILE MESSAGES FOR TRANSMISSION
Alfred Edward Thompson and Reginald Dennis Salmon, Croydon, England, assignors to Creed and Company Limited, Croydon, England, a British company
Application May 18, 1942, Serial No. 443,441
In Great Britain April 18, 1941
15 Claims. (Cl. 178—5)

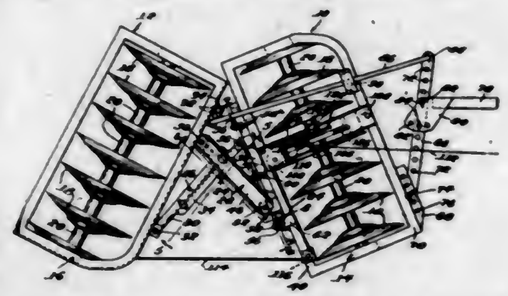
1. In facsimile transmitting apparatus a type unit including a plurality of characters, an in-

dex member carrying said characters arranged in series, an indicator movable along the index member, means for selecting said characters in accordance with characters on the index member in register with the indicator, means for printing a selected character in one predetermined position, means including a common manually operated member for actuating both the indicator



and the printing means, means for driving a recording tape, including means for intermittently driving said tape past said predetermined position in accordance with the manual operation of said common member, and means for continuously driving said tape past another predetermined position at a speed substantially independent of that at said one predetermined position.

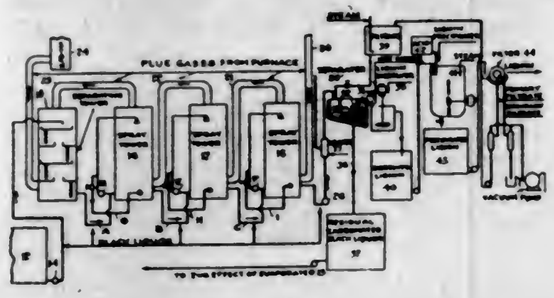
2,406,866
DISK HARROW
Ernest S. Thompson, Stockton, Calif.
Application March 21, 1944, Serial No. 527,428
8 Claims. (Cl. 55—83)



1. A disk harrow comprising a front frame and a rear frame each having a rotative soil cultivating disk means, crossed bars pivotally connected with said frames, a draw bar means pivotally connected with one end of the front frame and with the other end of the rear frame to swing the frames to a predetermined angular position, and means actuated by cultivating movement of one of said rotative soil cultivating disk means for moving said frames to different angular positions.

2,406,867
METHOD OF TREATING LIGNOCELLULOSIC MATERIAL
George H. Tomlinson, Montreal, Quebec, and George H. Tomlinson, Jr., Cornwall, Ontario, Canada, assignors to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada
Application December 31, 1943, Serial No. 516,406
18 Claims. (Cl. 260—124)

1. The process of producing lignin material from black liquor comprising carbonating the same with oxygen and carbon dioxide-containing gases, controlling the reaction to accelerate the carbonation by providing continuously a large and constantly changing interface between liquid and gas, the area of liquid surface exposed at any time relative to liquor volume in the carbonating vessel and the speed with which said liquid surface is changed in contact with the gas during carbonation in such vessel being such that the desired carbonation reaction is completed before the relatively slower oxidation reaction has proceeded to an appreciable extent, and then, while the carbonated black liquor has a temperature above the melting point of the lignin material and the lignin material is present as a distinct flowable viscous liquid layer, flowing the



said layer of lignin material from the liquor while the lignin material is in such flowable viscous condition, and producing a water insoluble lignin material by dissolving the thus isolated lignin material in hot water, acidifying the hot aqueous solution with concomitant agitation, the acidifying agent being a mineral acid and the acidification and agitation being continued until the solution has a pH below about pH 5 and the lignin is precipitated out as finely divided insoluble particles, and filtering the product.

2,406,868
PARAFFIN ISOMERIZATION PROCESS
Carl O. Tongberg, Westfield, and Homer J. Hall, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 15, 1941, Serial No. 407,008
18 Claims. (Cl. 260—683.5)

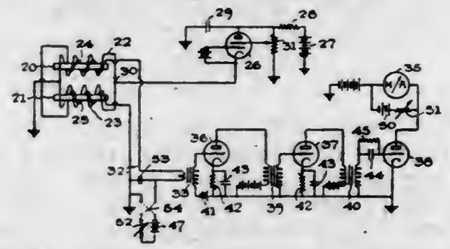
1. A process which comprises contacting at least one normal paraffin containing at least 4 carbon atoms per molecule in the presence of an aluminum halide under isomerization reaction conditions and in the presence of a halogen-containing promoter and a small amount of a naphthene taken from the group consisting of cyclopropane, cyclobutane and alkyl derivatives thereof, said three- and four-membered ring naphthenes being substantially the only naphthenes present.

2,406,869
CATALYST PREPARATION
John D. Upham, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 18, 1942, Serial No. 455,241
7 Claims. (Cl. 252—211)

1. The process of preparing a catalyst which comprises dissolving a normally solid anhydrous metal halide of the Friedel-Crafts type in a liquid anhydrous hydrogen halide, and volatilizing substantially all of the hydrogen halide from the resulting solution by spray drying under conditions to effect precipitation of solid metal halide in the form of finely divided solid particles having intimately associated therewith less than about 5 weight per cent residual hydrogen halide in substantial and effective catalyst-activating amount.

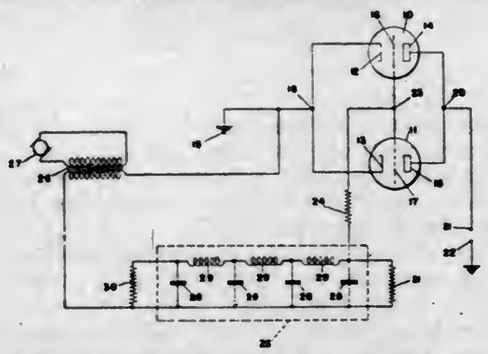
4. The process of preparing a catalyst which comprises filling the pores of a solid adsorbent particulate carrier material with gaseous anhydrous hydrogen halide, contacting the resulting carrier with a solution of a normally non-gaseous anhydrous halide of the Friedel-Crafts type in a liquid anhydrous hydrogen halide and thereby impregnating said carrier with at least part of said solution, the presence of said gas in said pores facilitating said impregnation, and volatilizing hydrogen halide from the mixture to effect precipitation of said non-gaseous halide in and upon said carrier.

2,406,870
APPARATUS FOR RESPONDING TO MAGNETIC FIELDS
Victor V. Vacquier, Oakmont, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application July 21, 1941, Serial No. 403,455
9 Claims. (Cl. 177—380)



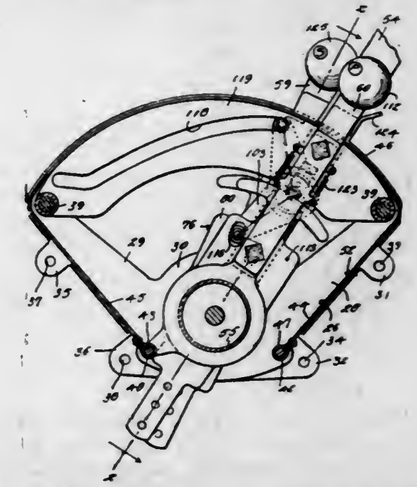
1. An apparatus responsive to magnetic fields comprising a pair of cores of material of high permeability and characterized in that the hysteresis loop thereof exhibits a sharp knee where saturation is reached, means for generating periodic saw-tooth wave forms and for cyclically energizing said cores therewith to saturation whereby each core abruptly reaches saturation at a phase of the energizing cycle which is shifted by changes in the ambient field at said core, windings adjacent said cores connected in opposition to deliver the difference between the voltages induced by said cores, whereby said phase shifts cause production of sharp voltage pulses which vary in magnitude with a change in field at either one of the cores, and transducing means selective to said pulses, in energy-receiving relation to said windings.

2,406,871
TRIODE OSCILLATOR CIRCUIT
Arthur A. Varela, Washington, D. C.
Application September 22, 1941, Serial No. 411,887
4 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



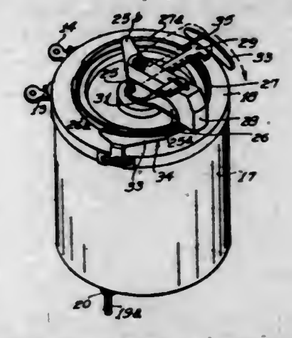
1. In an oscillator circuit for generating radio frequency pulses, an electron discharge device having a cathode, anode and at least one control electrode, means interconnecting said cathode, anode and control electrode in such a manner as to cause said device to oscillate whereby rectified control electrode current is generated, and a filter network composed of inductance and capacitance connected between said control electrode and said cathode for determining and maintaining, by the action of said rectified control electrode current thereon, the angle of the plate current flow substantially constant throughout a period of time following the initial flow of rectified control electrode current thereto and thereafter for causing the angle of the plate current to rapidly decrease to an extinction point.

2,406,872
THROTTLE CONTROL
Philip M. Waite, Corry, Pa.
Application December 4, 1942, Serial No. 467,882
4 Claims. (Cl. 74—471)



1. A control device comprising a main lever, a secondary lever, an operator for said secondary lever, latch means connecting said operator with said secondary lever, a bell crank pivotally carried by said main lever, means carried by said bell crank engageable with said operator for moving said operator upon rocking of said bell crank, and stationary cam means engageable with said bell crank to effect rocking of the latter upon movement of said main lever.

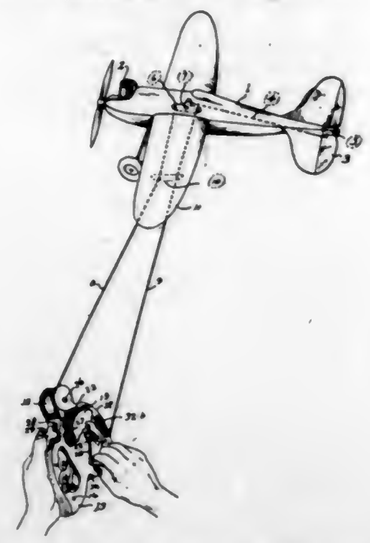
2,406,873
ELECTRICALLY OPERATED CONTROL
Nevilles E. Walker, Portland, Oreg.
Application November 9, 1942, Serial No. 464,990
7 Claims. (Cl. 192—.02)



1. A control including an electrically operated device characterized by being receptive to and energized by interrupted electric impulses, resistance elements in electric series with the power circuits leading to said device, said resistance elements being electrically balanced with respect to each other to maintain said device at any position

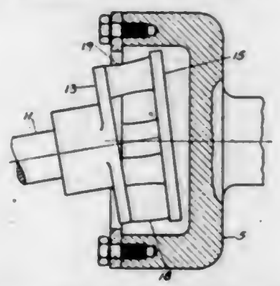
to which it has been moved, said resistance elements having movable contacts electrically connected with said circuits and physically joined together and to said device, and a self-engaging clutch mechanism adapted operatively to engage said movable contacts when said clutch mechanism is in engaging position.

2,406,874
RETRACTABLE CONTROL ELEMENT FOR TOY AIRPLANES
Nevilles E. Walker, Portland, Oreg.
Application May 22, 1944, Serial No. 536,664
7 Claims. (Cl. 46—77)



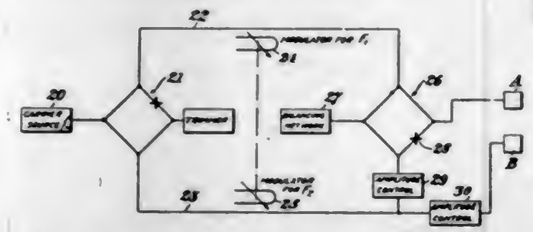
1. The combination with a self-propelled toy airplane, having a pair of control and flight limiting wires secured thereto, adjustable elevators operatively connected to one end of said wires, and a distant control handle secured to the other end thereof, of means associated with said handle for reeling in and paying out said control wires simultaneously from two points, respectively, sufficiently spaced to permit the gripping of the handle intermediate said points, for varying the radius of flight of said toy airplane without disturbing the control effected by said handle through said wires.

2,406,875
FLEXIBLE COUPLING
Leon Wallerstein, Jr., Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 24, 1944, Serial No. 560,140
4 Claims. (Cl. 64—11)



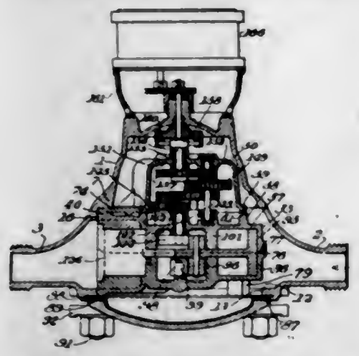
1. A flexible coupling, comprising a driving shaft provided with angularly spaced radially-disposed arms, a driven shaft provided with angularly spaced radially-disposed arms positioned between those of the driving shaft, each of said arms being provided with a flat face lying in a plane substantially perpendicular to the drive axis, a coupler provided with flat faces substantially parallel to those of said arms and positioned opposite thereto to cooperate therewith in torque-transmitting pairs, and a body of resilient material such as rubber connected to the opposed faces of each of said pairs formed to transmit torque in shear from the driving shaft through the coupler to the driven shaft and yieldingly to accommodate misalignment of said shafts.

2,406,876
INSTRUMENT NAVIGATION SYSTEM
Chester B. Watts, Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application May 29, 1942, Serial No. 444,988
16 Claims. (Cl. 250—11)



1. Glide path apparatus suitable for instrument landing of aircraft, comprising a first antenna means and a second antenna means disposed one generally above the other, a first wave-translating means operating at a predetermined carrier frequency, means coupling said first and said second antenna means to said wave-translating means, a second wave-translating means also operating at said frequency, and means coupling said second wave-translating means solely to said first antenna means.

2,406,877
OSCILLATING DISK METER
Alexander R. Whittaker, New York, N. Y., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1943, Serial No. 511,931
17 Claims. (Cl. 73—257)

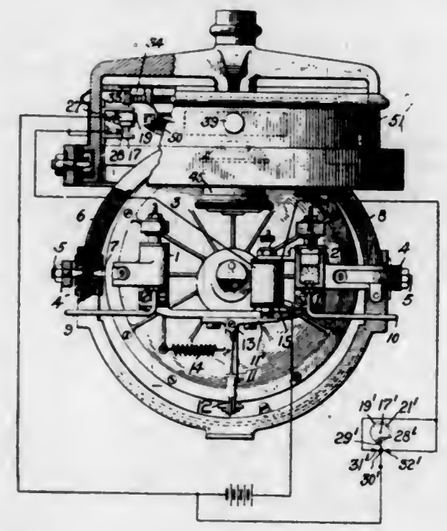


1. In an oscillating piston meter, a measuring chamber providing top and bottom walls and a cylindrical wall with a substantially radial outlet opening therethrough, a metering element in said chamber, outlet depressions in the top and bottom walls of said measuring chamber merging into said radial opening, an outer casing, means locating said meter chamber within the outer casing in spaced relation thereto to provide an annular inlet chamber, an inlet connection in the outer casing communicating with said annular chamber, inlet openings in the top and bottom walls of said measuring chamber, co-operating means on the outer casing and measuring chamber sealing the radial opening from said annular inlet chamber, and an outlet connection in the outer casing communicating directly with said radial opening.

2,406,878
PRINTING INK
Paul Whyzmuzis, Corona, Long Island, N. Y., and Harry Linkletter, Englewood, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application July 10, 1943, Serial No. 494,242
3 Claims. (Cl. 106—28)

1. A printing ink characterized by improved drying when exposed to ultra violet energy, comprising pigment dispersed in a vehicle capable of being dried by ultra violet energy, and containing a binder having a conjugated system of double bonds, and containing from about 1 to 10% of dicinnamal acetone, whereby drying by ultra violet is substantially accelerated.

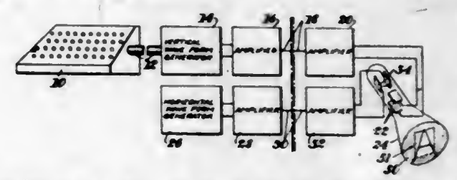
2,406,879
DAMPING ELIMINATOR FOR GYROSCOPIC COMPASSES
Bruno A. Wittkuhns, Summit, and Pierre Chantemerle, Fort Lee, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 20, 1939, Serial No. 268,944
2 Claims. (Cl. 33—226)



1. In a ship's gyro-compass having a damping eliminator, an automatic ship's speed correction device for said compass having a part which is readjusted upon change of the ship's speed, a speed responsive device connected to said part, and means actuated thereby for bringing said damping eliminator into action.

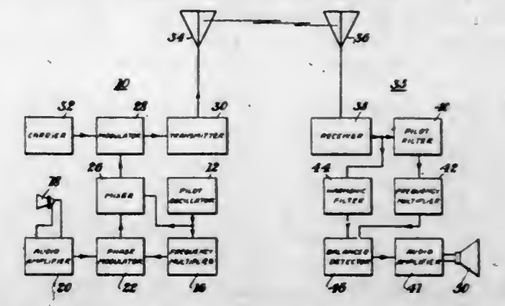
2,406,880
INTELLIGENCE TRANSMISSION SYSTEM
Norman H. Young, Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application August 29, 1942, Serial No. 456,651
19 Claims. (Cl. 178—18)

1. An intelligence transmission system comprising, in combination, means for producing a first predetermined wave form corresponding to one parameter of a character to be transmitted, means for producing a second predetermined waveform corresponding to another parameter



and common to all of the characters to be transmitted, and means for combining said waveforms into a legible character.

2,406,881
METHOD AND SYSTEM FOR COMMUNICATING INTELLIGENCE
Norman H. Young, Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application September 19, 1942, Serial No. 458,934
8 Claims. (Cl. 179—1.5)

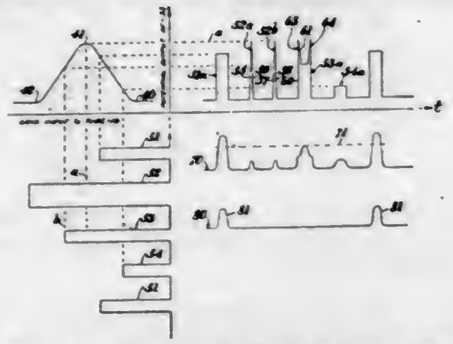


1. A transmission system comprising, in combination a transmitting station including a transmitter, a source of carrier waves, a modulator connected between said transmitter and carrier wave source, a pilot oscillator, a frequency multiplier connected to said pilot oscillator, a phase modulator fed by said frequency multiplier, a mixer connected to said carrier modulator, means for feeding the output of said pilot oscillator and said phase modulator to said mixer, and an audio frequency source connected to said phase modulator, and a receiving station including a receiver adapted to receive signals from said transmitter, a pilot frequency filter and a harmonic frequency filter both connected to the output of said receiver, a frequency multiplier connected to said pilot frequency filter, a balanced detector fed from said harmonic filter and said frequency multiplier, and audio output means connected to said balanced detector.

2,406,882
RADIO IMPULSE SYSTEM
Norman H. Young, Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application December 15, 1942, Serial No. 469,044
6 Claims. (Cl. 178—44)

6. A method of eliminating from a wave modulated with substantially unidirectional pulses of different amplitude having a predetermined fundamental frequency content, those pulses having amplitude greater or lesser than a predetermined level, comprising distorting pulses above a given amplitude thereby producing sharp pulse portions and relatively increasing the harmonic content in varying degree, from the leading and trailing edges of the pulses above the given amplitude, filtering said waves to eliminate the higher harmonics of the pulses thereby reducing the

amplitude of the distorted pulses substantially proportionally to their harmonic content, and



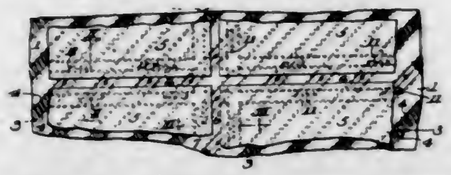
clipping the output pulses at a level above that of the greater amplitude pulses after reduction.

2,406,883

MEANS FOR SECURING PRINTING PLATES TO THEIR BASES

Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Application February 17, 1943, Serial No. 476,198
6 Claims. (Cl. 101—388)



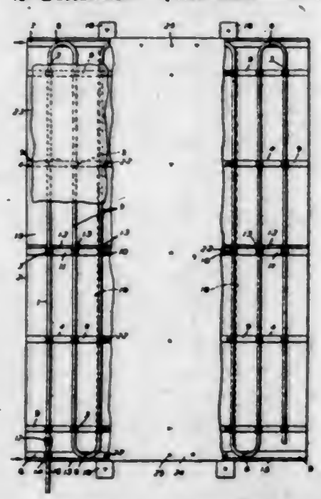
1. A base having spaced grooves along its surface, a printing plate having intersecting grooves along its back adjacent all of its marginal edges, plate register hooks engaging said base and plate grooves, and means for propelling the hooks along the base groove in directions to secure the plate to the base under tension comprising propelling gears within said hooks and a suitable removable instrument insertable into the hooks for operative engagement with said propelling gears.

2,406,884

ELECTRIC HEATING SYSTEM FOR BUILDINGS

Walter Noah Mann, Sutton Coldfield, and Ernest Lawrenson, Prescot, England, assignors to British Insulated Cables Limited, Prescot, England, a British company

Application May 2, 1944, Serial No. 533,700
In Great Britain June 7, 1943
2 Claims. (Cl. 219—19)



1. An electric heating panel suitable for installing in the floor, wall or ceiling of a building, comprising in combination, a plurality of spaced metal longitudinal members, a plurality of spaced cross-members disposed in front of the longitudinal members and substantially at right angles thereto and welded to the longitudinal members to form a frame, the cross-members having flat faces of appropriate width directed towards the front of the panel, metal clips welded to those faces for opening on the front side of the panel, an electric heating element comprising a continuously insulated electric wire attached to the frame by being held in the clips, and a heat-diffusing material in which the whole of the element is embedded.

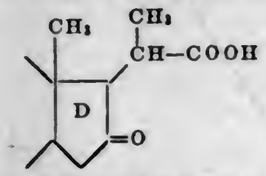
2,406,885

SAPOGENIN OXIDATION PRODUCTS AND PROCESS FOR PREPARING THE SAME

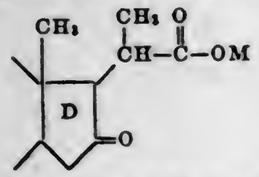
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Original application August 3, 1940, Serial No. 351,147. Divided and this application November 22, 1943, Serial No. 511,340
5 Claims. (Cl. 260—397.1)

1. Process for obtaining sapogenin oxidation products which comprises subjecting a member of the class consisting of steroidal sapogenins, sapogentic acids, dihydrosapogenins, sapogenoic acids, and C_{22} lactones, to vigorous oxidation at 40–100° C. by treatment with a strong oxidizing agent after previously protecting hydroxyl groups therein with a member of the class consisting of acylating agents, aralkylating agents, and halogenating agents, thereby producing a C_{22} keto acid having in ring D the structure



separating the alkali soluble fraction, thereby obtaining an alkali metal salt of a steroid acid having in ring D the structure,



where M represents an alkali metal, and hydrolyzing said fraction.

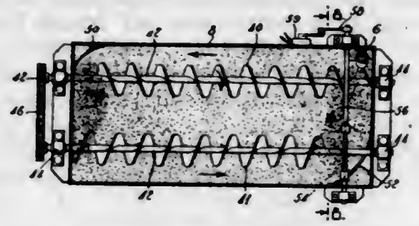
2,406,886

COFFEE BIN

Douglas M. McBean, Rochester, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York

Original application March 19, 1940, Serial No. 324,843, now Patent No. 2,321,838, dated June 15, 1943. Divided and this application December 9, 1942, Serial No. 468,379
1 Claim. (Cl. 214—17)

In an apparatus of the class described, the combination of a bin, screw-conveyors located at the upper end portion of the bin arranged horizontally, and spaced from opposite walls of the bin and from each other, means for feeding finely divided material into the upper end of the bin, the material entering the bin adjacent the receiving end of one of said conveyors, and means for driving said conveyors whereby the material thus entering the bin tends to be fed longitudinally of the first-mentioned conveyor in one direction and then tends to be fed by the other



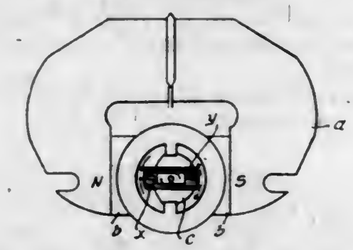
conveyor in the opposite direction so as to tend to maintain the top of the material in the bin substantially level.

2,406,887

ELECTRICAL RATIOMETER

Maurice Graham McBride, Enfield, Middlesex, England, assignor to Sangamo Electric Company, Springfield, Ill.

Application July 22, 1943, Serial No. 495,775
In Great Britain August 5, 1942
6 Claims. (Cl. 171—95)



1. In a ratiometer or the like, the combination of a magnet comprising first and second pole pieces, a solid core disposed between said pole pieces, coil means rotatably mounted on a stationary pivot axis and surrounding said core, a first pair of inner and outer surfaces on said first pole piece and on said core respectively defining a first air gap therebetween at one side of said core, said first pair of surfaces being concentric with respect to the stationary pivot axis of said coil means so that said first air gap is of uniform width and acts with a substantially uniform magnetic field on one side of said coil means, and a second pair of inner and outer surfaces on said second pole piece and on said core respectively defining a second air gap therebetween substantially at the opposite side of said core, one of said surfaces of said second pair being non-concentric with respect to the stationary pivot axis of said coil means so that said second air gap is of non-uniform width throughout substantially the entire length of gap traversed by the other side of said coil means and acts with a substantially non-uniform magnetic field on the other side of said coil means.

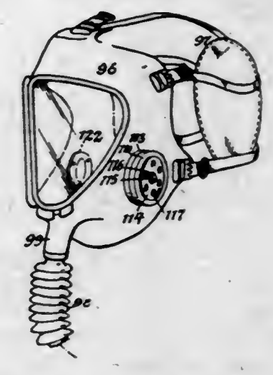
2,406,888

BREATHING APPARATUS

Phillip E. Meidenbauer, Jr., Lancaster, N. Y., assignor to Scott Aviation Corporation, Lancaster, N. Y., a corporation of New York

Application June 6, 1944, Serial No. 538,923
1 Claim. (Cl. 128—142)

A breathing apparatus, comprising a high pressure fluid chamber adapted to receive sustaining fluid from a high pressure source, a low pressure chamber which receives fluid at reduced pressure from said high pressure chamber, a respiration chamber which receives fluid from said low pressure chamber, a mask which communicates with said respiration chamber and whereby sustaining fluid is supplied to a person, exhalation valve means through which fluid is discharged from the mask and which comprises one unit having a lightly loaded outwardly opening check valve member and another unit having a heavily loaded outwardly opening check valve member, manually operated means for positively holding said lightly loaded check valve member in its closed position, pressure regulating valve means



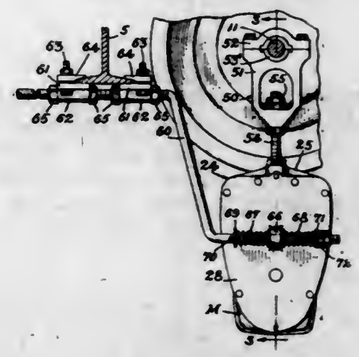
interposed between said high and low pressure chambers, demand valve means interposed between said low pressure chamber and said respiration chamber and adapted to be opened in response to inhalation of the person using the apparatus, and manually operated retaining means for holding the demand valve means in open position and bypassing said pressure regulating valve means.

2,406,889

POWER UNIT FOR TRAVELING CRANES

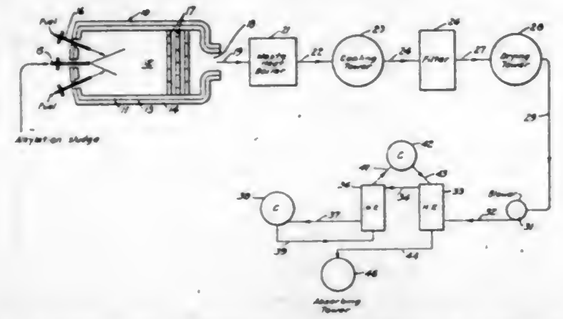
George A. Mitchell, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey

Application December 14, 1942, Serial No. 469,017
8 Claims. (Cl. 105—163)



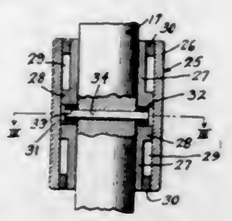
1. A power unit for a traveling bridge crane or the like having a horizontally disposed transverse drive shaft with a hand chain wheel fast thereon, said unit comprising a rigid frame structure, hangers anchored to said frame structure in spaced relation each including a bearing element engageable with the drive shaft on opposite sides of the chain wheel and operative to support the unit on the shaft, a shaft journaled on said frame structure, a sheave fast on said last mentioned shaft, an endless driving chain connecting said sheave with said wheel, a motor secured to said frame structure, and means drivingly connecting said motor with the shaft carrying said sheave.

2,406,890
PRODUCTION OF SULPHUR DIOXIDE
Albert C. Mohr, Arcadia, Calif., assignor, by mesne assignments, to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application February 1, 1943, Serial No. 474,343
6 Claims. (Cl. 23—177)



1. A process for converting an alkylation sludge containing sulphuric acid and sulphur compounds to sulphur dioxide in a combustion chamber having an extensive internal surface and brick checkerwork at one end thereof through which gases issuing from the chamber must pass, said checkerwork brick carrying catalytic material promoting combustion of carbon and hydrogen with oxygen, said process comprising burning a fuel with excess air in said combustion chamber to heat said extensive surface and said brick checkerwork and to supply radiant heat to said chamber at a temperature of above 1500° F., spraying the sludge into said combustion chamber to evaporate water thereform and burn with said excess air substantially all carbon, hydrogen and sulphur compounds respectively to carbon dioxide, water, and sulphur dioxide, passing the resulting gases through said checkerwork to ensure completion of the carbon and hydrogen oxidation, cooling the gases issuing from said furnace after passage through said checkerwork to condense the major portion of water in said gases, separating said condensed water and drying the remaining gases with concentrated sulphuric acid to remove substantially all the water therefrom.

2,406,891
SHAFT BEARING ASSEMBLY
John A. Newton and Norman Hoertz, Cleveland, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 28, 1944, Serial No. 546,983
6 Claims. (Cl. 308—123)

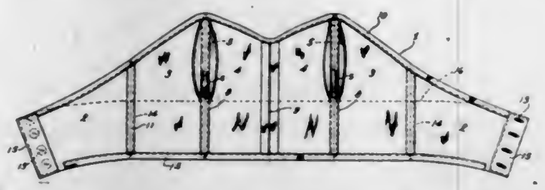


6. In a bearing structure for a shaft and the like, an outer cylindrical one-piece sleeve, with spaced but aligned bushings telescoping opposite ends of said sleeve in tight interfitted engagement therewith and having their innermost ends spaced apart inside said sleeve, said bushings being made of porous lubricant retaining material, an end thrust washer inside said space within said sleeve, said washer being provided with means for securing it to a shaft on which the bearing is mounted so that the washer is rotatable with the shaft and relative to said bushings and sleeve, said bushings having their adjoining innermost ends shouldered adjacent said washer, the remaining outer surface of each of said bushings being spaced from the inner surface of the sleeve to provide longitudinally spaced annular lubricant chambers between the sleeve and the bushings and end closure rings tightly fitted between the sleeve and the ends of the bushings to close and seal off the ends of said chambers at the opposite ends of said sleeve.

2,406,892
N-BENZYL-N-ALKYL MORPHOLINIUM COMPOUNDS
Joseph B. Niederl, Victor Niederl, and Martin E. McGreal, Brooklyn, N. Y.
No Drawing. Continuation of application Serial No. 393,672, May 15, 1941. This application January 1, 1943, Serial No. 471,024
1 Claim. (Cl. 260—247)

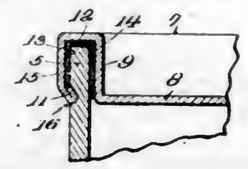
N-benzyl-N-cetyl morpholinium ethosulfate.

2,406,893
GARMENT
Elizabeth Teresa Nunn, Cleveland, Ohio, assignor of one-half to Josephine C. Corcoran, Rocky River, Ohio
Application September 13, 1943, Serial No. 502,134
6 Claims. (Cl. 2—42)



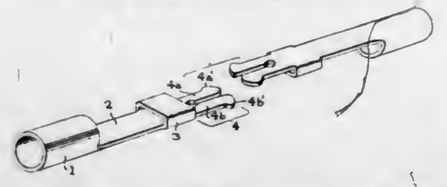
1. A garment of the strapless brassière type comprising a waist band part adapted to snugly fit the wearer with a lower portion substantially at the wearer's waist line and an upper portion adjacent to and below the wearer's breasts, and a breast part of maximum height in the front of the garment and adapted to rise above the breasts when worn and diminishing in height to the upper portion of the waist band part at the back of the garment, transversely flexible stays secured to the fabric of both said parts and extending from substantially the lower portion of the waist band part to substantially the top of said breast part at substantially right angles to said waist band part and being spaced in said garment to be substantially aligned with the nipples of the wearer's breasts, the said breast part having a front fullness adjacent said stays with the fullness restricted from the bottom edge of the breast part to about the middle height of the breasts, whereby to draw the lower portion of said breast part and adjacent portions of said stays snugly against the lower parts of the breasts with decreasing snugness at increasing heights, and with the said fullness increased thereabove to permit substantial freedom of movement between the surfaces of the upper parts of the breasts and the inner surface of the fabric of the upper portion of said breast part of the garment, the upper edge of said breast part being in a state of tension opposing the tendency of said stays to stand away from the curved surface of the upper parts of the breasts and drawing the upper parts of said stays and adjacent fabric of the breast part of the garment back to substantially no more than free sliding contact with the surfaces of the upper parts of the breasts.

2,406,894
CLOSURE FOR PAPER CONTAINERS
Frank J. O'Brien, Pelham, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application February 28, 1944, Serial No. 524,252
4 Claims. (Cl. 229—5.5)



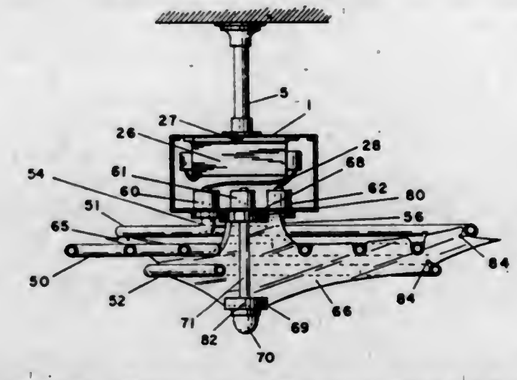
1. As an article of manufacture, a container end closure having a central body portion and a heel insertible in the end of a container body and a peripheral portion adapted to embrace a container body end and press it against said heel to effect a closure thereof, and an adhesive carrier attached to said peripheral portion and heel and having a constantly tacky adhesive on the exposed face thereof and disposed to adhere to the container body internally and externally and over its end extremity when embraced by said peripheral portion to provide a seal.

2,406,895
ELECTRIC CONNECTOR
Raymond G. Olson, Chevy Chase, Md.
Application November 17, 1944, Serial No. 563,875
6 Claims. (Cl. 287—76)



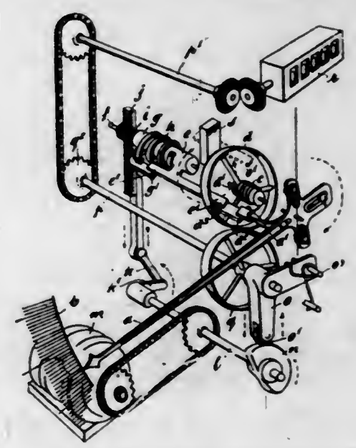
1. A connector part comprising a flat blade-like element having a bifurcated end, and a sleeve-like structure formed on one side of said blade-like element adjacent said bifurcated end.

2,406,896
GASEOUS DISCHARGE TUBE LIGHTING FIXTURE
Harold Ray Owen, Los Angeles, Calif., assignor to Electrical Products Corporation, Los Angeles, Calif., a corporation of California
Application June 15, 1943, Serial No. 490,926
1 Claim. (Cl. 240—78)



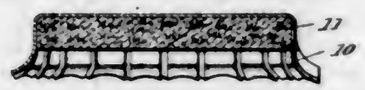
A lighting fixture including: a central housing provided with receptacles to receive and make contact with the ends of a pair of gaseous conduction lighting tubes, a pair of gaseous conduction lighting tubes extending outward from and around the same along a pair of adjacent parallel planes in a decorative design of radiating arms and concentric figures; the first of said tubes being convoluted in a design of double branched radiating arms with the return bends at the extremities of the same, and the second of said tubes being convoluted in a design of concentric circuitous figures starting from the center and following a portion of the innermost figure and proceeding to the next outer figure along a course closely paralleling a portion of a single branch of one of the said radiating arms of the first said tube, thence following a portion of the next outer figure and proceeding to the third figure along a course closely paralleling a single branch of a different one of said radiating arms of the first said tube and ultimately returning from the outermost figure to the center of the design by following a course closely paralleling the opposite branch of the same individual arm of the first said tube from that followed by the second tube in each passage from one figure to the next, whereby the interruptions of continuity of the circuitous figures occur between the two branches of individual arms and of a different arm from one of said circuitous figures to the next; and tube support members supported from the housing and extending in vertical planes between the two branches of each of the radiating arms of the first said tube and supporting said tubes.

2,406,897
AUTOMATIC WEIGHING APPARATUS EMBODYING A TOTALIZING MECHANISM
Alfred Ernest Page, Birmingham, England, assignor to W. & T. Avery Limited, Birmingham, England
Application October 8, 1943, Serial No. 505,438
In Great Britain October 29, 1942
6 Claims. (Cl. 235—91)



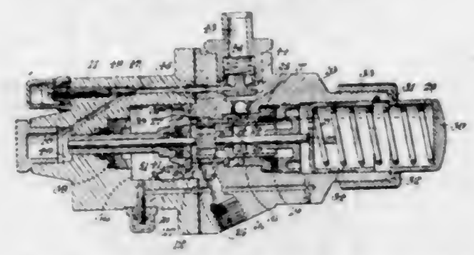
1. In an automatic weighing apparatus comprising a totalizing mechanism, in combination, a load-responsive member, weighing mechanism for positioning the load-responsive member in accordance with the weight of the load, said weighing mechanism having a lost-motion connection with the load-responsive member, flexible resilient means for normally taking up the lost motion in said connection, a driving member, which normally is out of engagement with the load-responsive member, for moving the load-responsive member in a direction that is the reverse of the direction in which it is moved by application of a load, means for actuating the driving member to move the load-responsive member from a load-responsive position back to its normal no-load position, and a driven member, for operating the totalizing mechanism, which is brought by said actuating means into driven engagement with the load-responsive member prior to engagement of the driving member with the load-responsive member.

2,406,898
CAP LINING MATERIAL AND METHOD OF PRODUCING THE SAME
Wilson G. Palmer, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 18, 1943, Serial No. 499,123
6 Claims. (Cl. 288—34)



1. The method of preventing objectionable discoloration of cap lining material containing a tannin through contact with a ferrous cap, which comprises treating the said material with an acid aqueous solution containing a salt of the group consisting of metaphosphoric and pyrophosphoric acids.

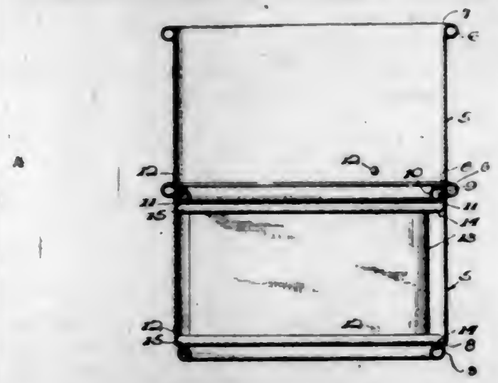
2,406,899
HYDRAULIC CUTOUT DEVICE
Cyril Alphonso Pugh, Ilford, and Alan William Say, Upminster, England, assignors to The Plessey Company Limited, Ilford, England, a British company
Application July 1, 1943, Serial No. 493,076
In Great Britain July 22, 1942
18 Claims. (Cl. 137—153)



1. A hydraulic cut-out device comprising a valve casing having an inlet, a delivery outlet and a by-pass outlet, a by-pass valve normally blocking flow from the inlet to the by-pass outlet, a piston subject to the pressure in said delivery outlet adapted to shift said valve initially, a second piston effective on displacement to increase the pressure on said first-mentioned piston, and a pilot valve actuated by said by-pass valve and controlling the admission of fluid from said inlet to one side of said second piston to cause displacement thereof.

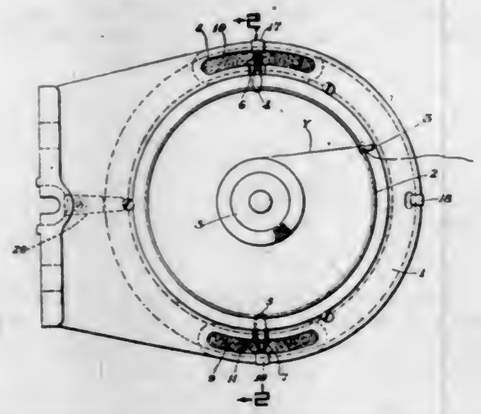
2,406,900
ADHESIVE TAPE CONTAINER WITH NESTING FEATURE
William F. Punte, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 30, 1944, Serial No. 542,959
1 Claim. (Cl. 220—97)

A container for an adhesive tape spool comprising a cylindrical body portion open at both ends and having the wall thereof at its upper end rolled outwardly into a hollow bead and having its wall at the lower end thereof offset inwardly and inwardly rolled into a hollow bead, said inwardly offset portion being dimensioned so as to frictionally engage within the open end of a companion container for the securing of one container to another in stacked relation, said offset portion where it joins the remainder of the body wall providing a shoulder for limiting the extent to which the offset portion of the wall can be inserted within the open end of the companion container, said shoulder being substantially in the plane which tangentially contacts the upper surface



of the bead at the open end of the companion container.

2,406,901
LUBRICATED TRAVELER RING
Frank S. Pollock, Jr., Martinsville, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 13, 1945, Serial No. 604,872
4 Claims. (Cl. 57—120)



1. A twister ring assembly comprising in combination a ring rail, a traveler ring mounted on the ring rail, means for conducting lubricant to the face of said traveler ring, lubricant collecting means disposed immediately below said traveler ring and in the path of lubricant thrown from said traveler ring, said lubricant collecting means comprising an annular felt pad and means for conducting lubricant from said collecting means to said means for conducting lubricant to the face of said traveler.

2,406,902
SOAP-LIKE PREPARATIONS
Albert L. Rawlins, Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application November 23, 1942, Serial No. 466,671
8 Claims. (Cl. 252—152)

1. A lathering soap-like preparation comprising a germicidal mixture, free from skin-irritating properties, consisting of a substantially non-lathering germicidal water-soluble high molecular weight quaternary ammonium compound and a substance of the class consisting of a water-soluble acid addition salt of hexadecyl amine, a water-soluble acid addition salt of octadecyl amine and mixtures of said acid addition salts, said germicidal mixture being free from skin-irritating compounds and salts of amines of higher molecular weight than octadecyl amine and lower molecular weight than hexadecyl amine, and the weight of said substance in said germicidal mixture ranging from about three times to about four times the weight of said quaternary ammonium compound.

2,406,903
FUEL CONTAINER AND METHOD OF MAKING SAME
Scott Rethorst, Los Angeles, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application July 29, 1940, Serial No. 348,098
14 Claims. (Cl. 154—139)

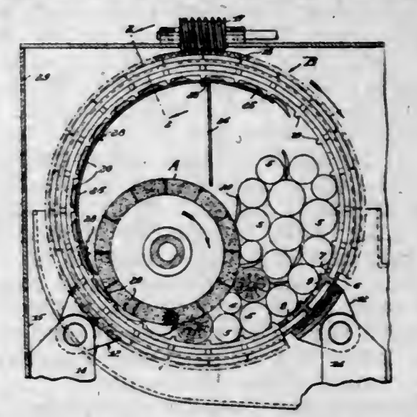


2. Container-forming material comprising a self healing intermediate layer of milled uncured rubber possessing comparatively high cohesiveness but substantially no tackiness or vulcanizing material, and having a plasticity of approximately 80 as measured by a Williams parallel plate plastometer, a coextensive outer layer of tough elastic material bonded to the outer face of, and serving to reenforce, the self healing intermediate layer, and adapted in connection with puncture of the container to have its punctured portions spring together or contract and draw together the punctured portion of said self healing layer, and a coextensive normally fluid impervious or non-porous inner layer formed of flexible elastic material that is insoluble in, and unaffected by, hydrocarbon.

3. Container-forming material comprising a self healing intermediate layer of masticated raw rubber having pronounced cohesiveness but substantially no adhesive tendency or vulcanizing material, an outer layer of tough highly elastic vulcanized rubber vulcanized in situ on the outer face of, and serving to reenforce, the self healing layer and adapted in connection with puncture of the container wall to have its punctured portion spring together or contract and draw together the punctured portion of the self healing layer, and an inner layer bonded to the inner face of said self healing layer and formed of flexible elastic material that is normally fluid impervious or non-porous and also insoluble in, and unaffected by, hydrocarbons.

2,406,904
WOOD GRINDING MACHINE
Frederick W. Roberts, Lockport, N. Y.
Application May 5, 1944, Serial No. 534,179
2 Claims. (Cl. 241—97)

1. In a wood grinding machine including a rapidly revolving grindstone and a feed ring arranged eccentrically about said grindstone with a portion of its inner surface in close proximity to but out of contact with said grindstone and rotatable slowly to press wood against one side of the grindstone, that improvement which comprises a shield at the other side of said grindstone and extending substantially coaxially with said feed ring and spaced therefrom to receive shims which have passed through the space between said feed ring and said grindstone, said shield extending at its receiving end into close proximity to the grindstone to receive shims immediately after they are moved out of contact with the grindstone and having its discharge end extending over the grindstone to discharge the shims at the first mentioned side of the grindstone to be again fed to the grindstone by the feed ring for regrinding, and cleats on said feed ring for engaging the

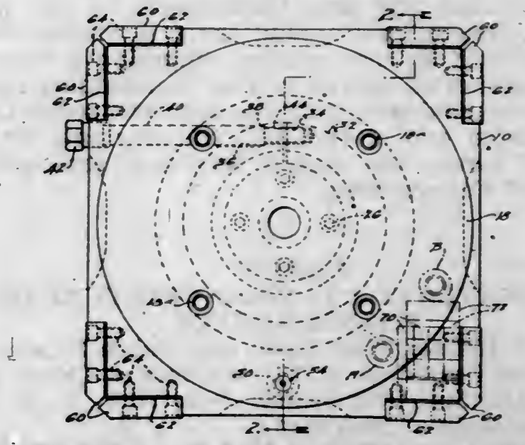


wood which is fed to the grindstone and which feed the shims through the space between said feed ring and said shield.

2,406,905
METHOD FOR PRODUCING CELLULOSIC STRUCTURES
Henry Shirley Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 6, 1941, Serial No. 392,116
2 Claims. (Cl. 117—145)

1. The process which comprises passing a flexible regenerated cellulose pellicle in a highly swollen condition through an aqueous bath containing, dissolved therein, between 4% and 15% of a synthetic linear polymer having a molecular weight above 400 and a boiling point of at least 170° C. at a pressure of 1 millimeter of mercury, said pellicle being maintained in contact with the bath liquid for a sufficient period of time to impregnate the same with from 8% to 25% of said polymer.

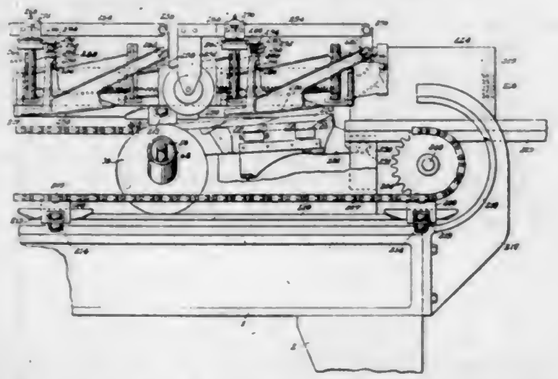
2,406,906
ROTARY SINE INDEX PLATE
Enos P. Saunders, Berkley, Mich., assignor to Triangle Engineering Company, Ferndale, Mich., a partnership composed of George L. Atherholt, Sr., Enos P. Saunders, and C. M. Smillie, Jr.
Application April 23, 1945, Serial No. 589,837
3 Claims. (Cl. 33—174)



1. In a rotary sine index plate, in combination, a base having parallel sides and a flat upper face portion, a table rotatably mounted for rotation about a line midway between said sides and extending perpendicularly with respect to said face

portion, a pin fixed to said table and arranged with its axis parallel to and spaced from the axis of rotation of said table and positioned in overlying relationship with respect to said face portion on said base, a plurality of anvils fixed with respect to said base in surrounding relationship with respect to said table, said anvils each having a locating face, the locating face of each of said anvils being arranged in a plane parallel to the axis of rotation of said table on said base and said planes of all of said anvils being arranged at an equal distance from the axis of rotation of said table, the planes of said locating faces of said anvils being arranged in a square whose center is coincident with said axis of rotation of said table, said anvils projecting upwardly above said face portion of said base and above the lower end of said pin, whereby measuring instrumentalities of the block type resting on said face portion may be interposed between said pins and an adjacent one of said anvils regardless of the rotatable position of said table on said base to determine the angular relationship of said table with respect to said base.

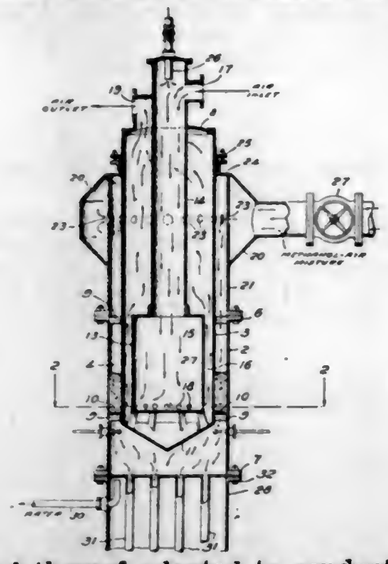
2,406,907
METHOD AND APPARATUS FOR TREATING FISH
Charles M. Savrda, Bay Shore, N. Y., assignor to The Atlantic Coast Fisheries Company, New York, N. Y., a corporation of Maine
Application March 8, 1944, Serial No. 525,546
13 Claims. (Cl. 17—3)



1. A method of treating fish which comprises advancing a decapitated fish, tail leading and back downward, along a defined path of travel, making a pair of incisions in the back on opposite sides of the dorsal fins as the fish is travelling, severing the skin transversely of the incisions, thereafter gripping the free end of the strip defined by the incisions, imposing a downward tension on said strip, and maintaining said tension on said strip until the incisions reach the decapitated end of the fish, whereby said strip together with the dorsal fins and associated knuckles are removed.

2,406,908
APPARATUS FOR THE MANUFACTURE OF FORMALDEHYDE
Pierre Schideler, New York, and Ralph S. Richardson, Scarsdale, N. Y., assignors to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application November 28, 1942, Serial No. 467,258
2 Claims. (Cl. 23—288)

1. Apparatus for the manufacture of formaldehyde comprising in combination inner and outer concentric shells defining a catalyst annulus, means for passing a reaction gas mixture containing methanol and oxygen vertically through said catalyst annulus, and a vertical tube within said inner shell having openings at the



lower end thereof adapted to conduct a flow of a temperature regulating gas along the inner surface of said inner shell adjacent the catalyst-containing area.

2,406,909
PLASTIC BONDING BASIC REFRACTORIES
Robert A. Schoenlaub, Tiffin, Ohio, assignor to Basic Refractories, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 30, 1942, Serial No. 467,386
12 Claims. (Cl. 106—58)

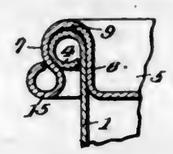
1. A refractory composition, comprising a pulverulent mixture of ground dry magnesian clinker and a small amount of dry substantially aluminum-free hectorite of the character of that from San Bernardino County, California.

2,406,910
TREATMENT OF REFRACTORY MATERIALS
Robert A. Schoenlaub, Tiffin, Ohio, assignor to Basic Refractories, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 6, 1943, Serial No. 471,455
6 Claims. (Cl. 117—123)

1. A process of treating refractory material, which comprises coating the surface of basic refractory material particles with an alkaline earth compound of the group consisting of magnesium and calcium hydroxides and oxides, and to react therewith a substantially non-aluminous gel-forming hydrous magnesium silicate of the composition of hectorite from San Bernardino County, California, and contacting the reaction mixture with water for swelling the gel-forming material, and compacting the coated particles together.

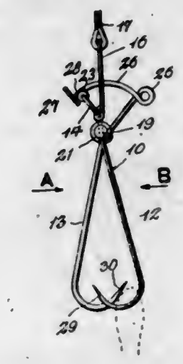
2,406,911
METHOD OF CLOSING SHEET METAL CONTAINERS
Herbert Schrader, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Original application May 28, 1940, Serial No. 337,696, now Patent No. 2,338,013, dated December 28, 1943. Divided and this application December 2, 1943, Serial No. 512,606
1 Claim. (Cl. 113—121)

A method of closing and sealing sheet metal containers consisting in rolling the body wall of the container outwardly, inwardly and upwardly into a hollow bead, forming a closure with a central depression surrounded by a vertical wall and a continuous unbroken depending skirt offset from the vertical wall to receive a gasket and the bead on the container body, said skirt being of greater length than the diameter of the bead



and having a laterally projecting flange at the lower edge thereof, placing the closure member on the container body and while said gasket is firmly pressed against the bead applying a curling roll to the flange of the closure and progressively rolling the flange into a bead and forcing a portion of said bead as it is formed beneath the hollow bead on the body wall.

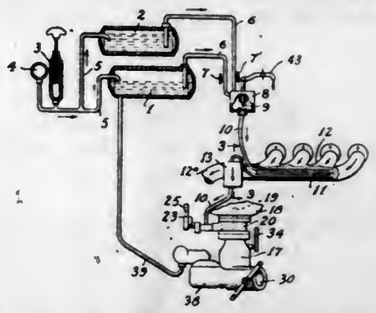
2,406,912
AUTOMATIC FISHHOOK
Fred Schwarzer, Pottstown, Pa.
Application March 7, 1945, Serial No. 581,401
6 Claims. (Cl. 43—36)



6. An automatic fish hook comprising a strand of spring wire bent intermediately the length thereof to form an eye and a pair of hook members, a swinging hook member mounted between said pair of hook members including spring means for tensioning said hook member, and means on said strand of spring wire cooperable with the spring means of the swinging hook for holding the latter normally between said pair of hooks, but releasable upon application of pressure on said hooks.

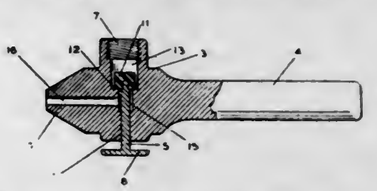
2,406,913
CARBURATION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Liberto Alfonso Serrano, Barcelona, Spain
Application June 26, 1942, Serial No. 448,569
In Spain March 12, 1942
3 Claims. (Cl. 261—15)

3. In a system for generating and supplying superheated gasiform vapors of a heavy liquid fuel to a carburetor type internal combustion engine during periods when said engine is operating under load conditions and for supplying a light liquid fuel to said engine during idling periods and in starting, said engine having an intake manifold, a carburetor connected therewith, a throttle valve controlling flow through the carburetor to the intake manifold, an exhaust manifold, and an accelerator for the engine; in combination, means for supplying liquid fuels of different vaporizing characteristics to the engine comprising two sources of fuel, means for conducting fuel from one of said sources directly to the carburetor and to an idling jet discharging into the intake manifold intermediate the throttle valve and the fuel intake ports of said engine, a fuel feed bowl connected with both of said sources of fuel, a heat exchanger having passages therethrough in communication with said exhaust manifold, a fuel feed line connected to said feed bowl and at its opposite end terminating in a pipe extending lengthwise of the inlet pipe of the intake manifold and discharg-



ing into the intake manifold, said line having an intermediate portion thereof traversing said exhaust manifold and said heat exchanger in series, a valve controlling flow of fuel through said fuel line from said feed bowl to said heat exchanger, a second valve in said fuel line adjacent its point of entry into said inlet pipe of said intake manifold, and means responsive to movements of the accelerator for actuating the throttle valve and said second valve simultaneously in coordinated relation when operating under load conditions.

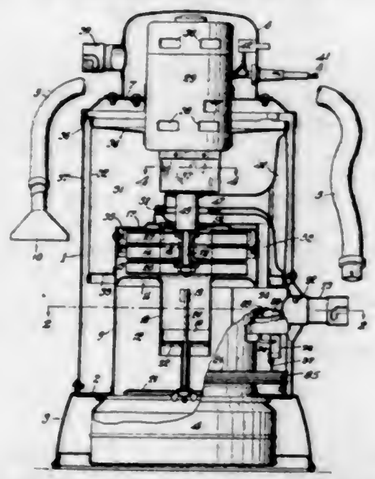
2,406,914
DISPENSING NOZZLE, VALVE, AND VALVE DISK FASTENING MEANS
Carl F. Sievers, Pontiac, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 16, 1943, Serial No. 498,795
1 Claim. (Cl. 251—135)



A poppet valve for controlling flow of a fluid under pressure from a source of such fluid comprising in combination a valve body having a conduit with an inlet and an outlet, a valve seat formed in said conduit, said conduit being divided by said valve seat into a low pressure portion between said seat and said outlet and a high pressure portion between said seat and said inlet, a unitary valve stem of rigid material, a unitary cylindrical valve head of resilient material, connecting means between the stem and the valve head comprising a spear head formed as an integral part of said stem, said spear head projecting part way through said valve head along the axis of said cylindrical valve head, said valve head being disposed in said high pressure portion of said conduit with said valve stem extending into said low pressure portion of said conduit, said valve seat being disposed entirely in a plane which is parallel to the plane of the adjacent plane end of said cylindrical valve head, and said valve head sealing against said valve seat along a plane an-

nular zone adjacent the circumference of the face of said cylinder that is disposed around said valve stem, whereby the pressure of the fluid in said high pressure portion of said conduit acts to increase the sealing action between said valve head and said seat, and whereby said valve head is normally free of pressure by said spear head tending to split said valve head during the long periods of time said valve head is held against said seat, said fluid pressure against the top of said cylindrical valve head being normal to said sealing portion of said valve head and said valve seat, whereby forces tending to distort or flow the material of said valve head are minimized.

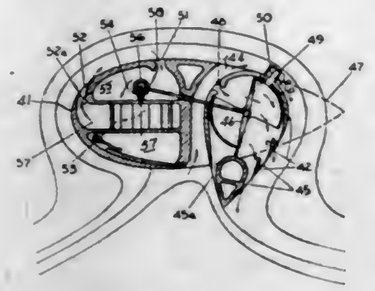
2,406,915
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 26, 1943, Serial No. 484,515
7 Claims. (Cl. 15—16)



5. In a suction cleaner, a main cleaning nozzle through which cleaning air enters at a rate variable with the contact of the nozzle with a surface being cleaned, an initial dirt separator connected to said nozzle, a final dirt separator, a second cleaning nozzle for said final separator, air-conducting means to conduct air from said second nozzle continuously during normal surface cleaning operation, suction-creating means to move air through said nozzles, air-conducting means and said separators, valve means to control the flow of air through said nozzles, pressure-operated means to determine the flow of air through said main nozzle, and means connecting said pressure-operated means to said valve means to move the latter to reduce the flow of air through the main nozzle and to increase the flow of air through the second nozzle upon the flow of air through said main nozzle exceeding a predetermined rate.

2,406,916
WINGS AND OTHER AERODYNAMIC BODIES
Edward A. Stalker, Ann Arbor, Mich.
Application March 18, 1939, Serial No. 262,801
6 Claims. (Cl. 244—42)

1. A wing structure adapted to produce high lift in one position and having low drag in another position comprising a wing main body having an upper and a lower airfoil surface terminating in a recessed portion at the trailing end thereof, a lift increasing device adapted to be received within said recess including a part having a curved end, means for mounting said device for adjustment to a high speed position in which said curved end is received within the outline of said wing main body, said curved end part substantially conforming to the depth of the adjacent wing, said device being also adjustable to a high lift position in which said curved end is exposed at the rear of said wing forming a smooth continuation of said upper airfoil surface and extending in a continuous and regular curve to the lower side of the wing and forwardly of the



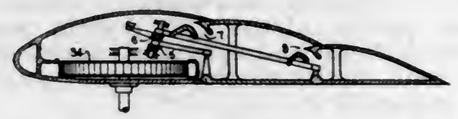
rearmost point of the device providing a rounded blunt end at the rear of the wing, said rounded end having a slot therein adjacent the lower part thereof in the high lift position of said device and opening in the direction of the air circulation, and means within said wing for discharging air from said slot around the blunt end thereof to cause forward advance of the circulation flow and relative closer approach of the front and rear stagnation points.

2,406,917
WING
Edward A. Stalker, Ann Arbor, Mich.
Application January 2, 1940, Serial No. 312,175
6 Claims. (Cl. 244—42)



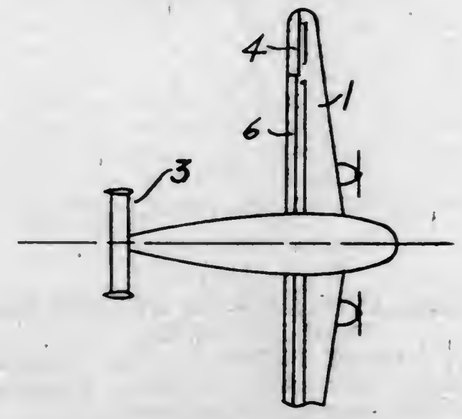
1. A wing structure comprising a wing fore body having an upper and a lower airfoil surface and an inwardly curved recessed end portion, a lift increasing device having a curved surface of a radius comparable with the semi-thickness of said end of the fore body and having an end tapering to a relatively thin edge, means for mounting said device at the rear of said fore body providing for adjustment in the relative position thereof, means for adjusting said device from a high speed position in which said curved surface is received within said recessed end and said thin edge is extended rearwardly to a high lift position in which said curved surface is exposed at the rear of said wing forming a smooth continuous curve extending from the upper wing surface around the end and to the lower wing surface, said thin edge being moved against said fore body in said high lift position, means forming a slot on the upper exposed surface of said device in the high speed position thereof, and means within said wing for discharging a flow of air through said slot in a generally rearward direction in the high speed position of said device, said slot in the high lift position of said device being located on the lower side of said wing and acting to direct a flow of air outwardly thereof and with a forward component of velocity for causing closer approach of the front and rear stagnation points.

2,406,918
WING
Edward A. Stalker, Ann Arbor, Mich.
Application January 15, 1940, Serial No. 313,967
13 Claims. (Cl. 244—42)



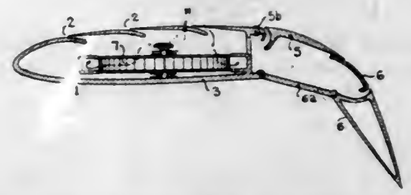
1. A wing structure comprising a wing main body the upper surface of which is defined by a curve of a radius longer than the maximum thickness of the wing, a lift flap portion having an upper surface defined by a curve of a radius greater than the thickness of the wing adjacent the end of said main body, the lower surface of said main body and of said flap being closed to through passage of air from the region below to the region above the wing in all relative positions of the wing and flap, means enclosed by said wing and flap for mounting said flap for adjustment about a radius of less length than the thickness of the wing at said end of the main body providing for changing its position with respect to said main body from a raised high speed position in alignment therewith forming a regularly curved lower airfoil surface to a lowered high lift position at a substantial angle with respect thereto, the forwardly projecting portion of said upper curved flap surface lapping the trailing end of said main body in the raised position of said flap, said forwardly projecting portion being movable into position closely adjacent the end of said main body exposing said curved upper surface thereof when the flap is in lowered position to provide a substantially continuous upper curved surface for said combined wing and flap of substantial radii.

2,406,919
CONTROL OF AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application August 22, 1940, Serial No. 353,712
10 Claims. (Cl. 244—90)



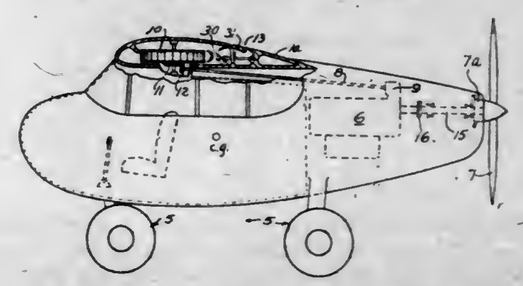
1. In combination in an aircraft, a wing on each side of the aircraft having a flap and slot, ailerons at the outer ends of the wings, each said slot leading into the wing interior and being located in the rear half of the wing, and a blower within the aircraft in communication with the wing interior to discharge outward power jets through said slots, said discharge slot being the rearmost slot in said wing and being formed to direct the slot flow rearward substantially along the wing surface, control means operable coincidentally to vary the slot flows differentially and to rotate the flaps differentially both with respect to opposite wings, said control means being adapted to provide the strongest discharge slot jet on the wing with the down aileron, said power jets serving to produce a rolling moment accompanied by a favorable yawing moment.

2,406,920
WING
Edward A. Stalker, Ann Arbor, Mich.
Application February 19, 1941, Serial No. 379,812
In Canada October 30, 1940
22 Claims. (Cl. 244—42)



1. In combination to form a wing, a main body, a flap adjustable from a raised high speed position to a lowered high lift position, the upper contour of said wing section in the raised position of said flap having a main body extrados and a flap extrados, said extradoses forming between them a concavity exterior to the wing section, the maximum depth of said concavity below the tangent to both said extradoses being greater than 5.5 per cent of and less than the tangent length between the said points of tangency, said length of said tangent being substantially greater than 21 per cent of the wing chord length and less than 90 per cent thereof, means to adjust said flap to its said high lift position to produce a great camber of the wing upper surface, the minimum radius of curvature of the said depressed flap extrados which forms a part of the wing upper contour being greater than the maximum thickness of the wing, said concavity having a slot therein opening into the wing interior, and a blower means in substantially closed communication with said interior to induce a flow through the slot, said slot extending along a major portion of the wing semi-span to be significant in altering the lift of the wing.

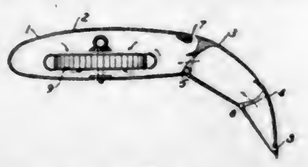
2,406,921
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application August 16, 1941, Serial No. 407,252
4 Claims. (Cl. 244—13)



1. In combination in an aircraft, a fuselage, a tail plane, a wing, means for supporting said wing and tail plane in predetermined fixed relation with respect to said fuselage, said wing having a slot in its upper surface in communication with the wing interior, a lift augmenting flap articulated to said wing, means to depress said flap to provide a highly cambered wing section, a blower within the aircraft in communication with the wing interior to induce a flow through said slot,

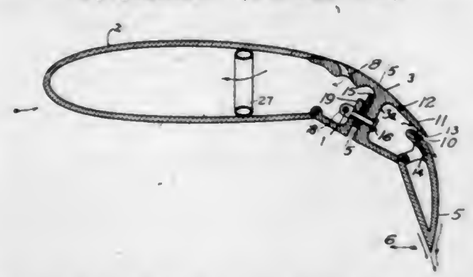
a propeller supported from said fuselage behind the trailing edge of the wing and flap, means operably connecting said propeller with said blower for operation of the latter when the propeller is extracting energy from the relative wind, all lift producing portions of said wing lying ahead and out of the effective range of the pressure generated by said propeller when extracting energy from the relative wind so that the wing remains subject to the full velocity of the relative wind across its surface resulting in substantially normal lift distribution along the wing span.

2,406,922
WING
Edward A. Stalker, Ann Arbor, Mich.
Application January 9, 1942, Serial No. 426,099
8 Claims. (Cl. 244—42)



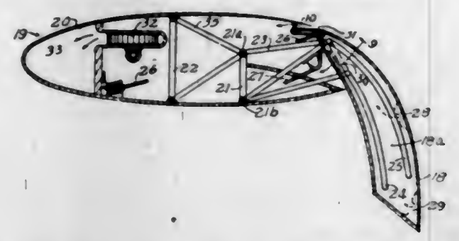
1. An aircraft wing of the character described which comprises a wing main body, a flap, means for adjustably supporting said flap from said wing main body providing for movement thereof from an upper raised position to a lowered position effecting an increase in the mean camber height of the wing, means forming a forward induction slot in the upper camber surface of the wing at a point intermediate the leading and trailing edges of the wing, means forming another induction slot in predetermined spaced relation with respect to said forward slot and located substantially along the trailing edge of said flap, and power operated means within said wing for inducing a flow of air through both said slots with the induction through said rearward slot restraining the tendency to cause forward flow of the air on the trailing portion of said wing as a result of said forward slot.

2,406,923
AIRCRAFT HAVING BOUNDARY LAYER CONTROLLED WINGS
Edward A. Stalker, Bay City, Mich.
Application May 14, 1943, Serial No. 486,953
16 Claims. (Cl. 244—42)



1. In combination in an aircraft, a supporting wing, an aileron on the wing, means for depressing said aileron to a position where the rear portion thereof is substantially normal to the forward portion of the wing, a blower housed within the aircraft, said wing having a narrow spanwise slot in its upper surface in communication with the inlet of said blower for the induction of boundary layer air providing for augmenting the lift of the wing, said wing having a narrow spanwise discharge slot in its upper surface in communication with the discharge of said blower for discharge of a jet therefrom, said induction slot being located ahead of said discharge slot to cause the main flow to follow the wing surface to the discharge jet, the walls of said discharge slot being formed to direct the discharge jet downstream substantially along said rear portion of the depressed aileron surface to provide a jet having a substantial component perpendicular to the front portion of the wing thereby providing a rolling moment, and means to control the volume of said discharge slot flow to control said rolling moment.

2,406,924
AIRCRAFT
Edward A. Stalker, Bay City, Mich.
Application May 21, 1943, Serial No. 487,875
8 Claims. (Cl. 244—42)

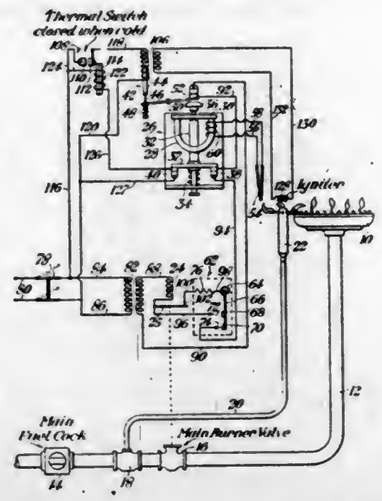


1. A wing structure comprising a wing forebody having an upper and a lower airfoil surface and an open end portion, the upper surface of said body being defined by a curve of a radius longer than the maximum thickness of the wing, a lift flap having an upper surface defined by a curve of a radius greater than the thickness of the wing adjacent the end of said main body, means for mounting said flap at the end of said forebody providing for adjustment in the relative position thereof from a retracted high-speed position to a lowered high-lift position at a substantial angle with respect to said forebody, said flap in the high-speed position being in major part nested within said open end portion between the upper and lower surfaces thereof, said flap in the high-lift position having its nose adjacent the end of said forebody exposing said curved upper surface thereof to provide a substantially continuous upper-curved surface for said combined wing and flap of substantial radii, said upper curved surface of the flap having a slot therein in communication with the interior thereof, means within the wing forebody establishing communication with the interior of the flap and with said slot, and means for causing a flow of air through said slot to increase the velocity of air flow in the boundary layer on said upper curved surface.

2,406,925
CONTROL AND IGNITION SYSTEM FOR FUEL BURNERS
Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application June 15, 1945, Serial No. 599,634
15 Claims. (Cl. 158—117.1)

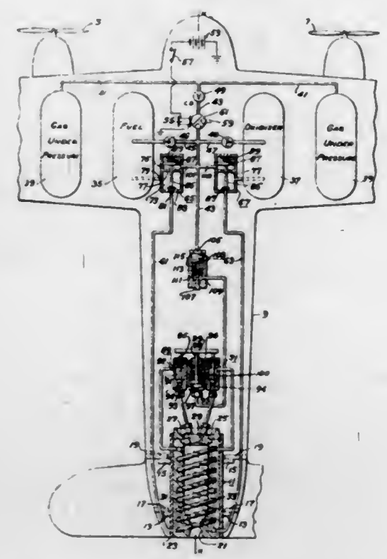
1. In a control system for fuel burners having main and pilot burners and a source of electrical energy, comprising in combination, electrically operable means movable between fuel flow permitting and preventing positions for controlling the supply of fuel to the main burner, an electromagnetic device having contacts operable between open and closed positions for causing movement of said means between said positions, a first circuit including the source, said means and said contacts, a second circuit including the source and

resetting means for said device operative to cause closure of said contacts, holding means operatively associated with said device for maintaining said contacts closed independently of said resetting means, means responsive to a flame at the



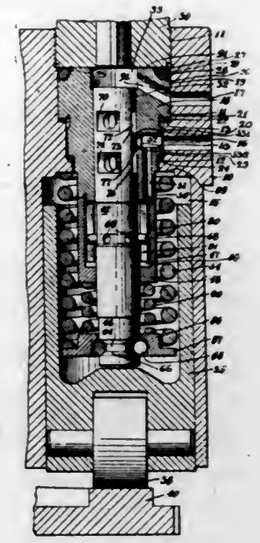
pilot burner for rendering said holding means operative upon completion of said resetting operation, and timing means in said second circuit for rendering the same inoperative after a predetermined period during which said flame responsive means has time to become responsive.

2,406,926
SYSTEM OF JET PROPULSION
Martin Summerfield, Pasadena, Calif., assignor to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application August 6, 1943, Serial No. 497,625
7 Claims. (Cl. 60—35.6)



7. In a jet propulsion system the combination comprising a jet motor, a propellant container, a conduit connecting the container to the jet motor, means for forcing the propellant through the conduit, a first normally closed valve in the conduit adjacent to the container, a second normally closed valve in the conduit adjacent the motor, and means for initiating the opening of both said valves simultaneously while causing the second valve to open more gradually than the first valve during the initiation of the flow of propellant into the motor.

2,406,927
HIGH-PRESSURE FLUID PUMP GASKETING
Warner T. Tabb, Plainfield, N. J., assignor to Eisemann Corporation, Brooklyn, N. Y., a corporation of Delaware
Application March 6, 1945, Serial No. 581,289
11 Claims. (Cl. 309—2)

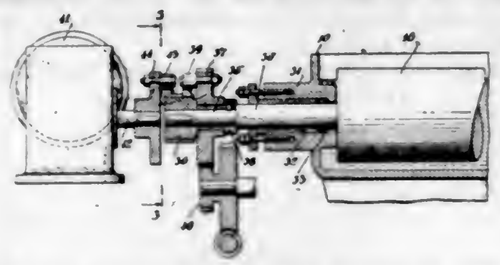


7. In a high pressure fluid pump the combination comprising, a casing having a bore and a relatively low pressure fluid passage communicating therewith, said bore being counterbored to provide two shoulders, one on each side of the fluid passage, a bushing in said bore fitted thereto inwardly of the pair of shoulders and having a fluid passage extending therethrough for communication with the casing fluid passage and two shoulders, one on each side of the bushing fluid passage and with each paired for cooperation with one of the bore shoulders and a high pressure end, a high pressure seal being provided at the cooperating pair of shoulders inward of the passages, a low pressure sealing gasket of deformable material between the cooperating pair of shoulders outward of the passages, said pair of shoulders at the high pressure seal solely cooperating to limit movement of said bushing into the bore for proper location thereof, said bushing having its high pressure end provided with gasket seating surfaces, a plug forced into the bore and having seating surfaces, and a gasket of deformable material compressed between said bushing and said plug seating surfaces, one of the bushing and plug seating surfaces being initially of a certain area and of increased area as said plug is forced to final location determined by such seating of increased area.

2,406,928
FOUNTAIN INKER DRIVE MECHANISM
Auburn Taylor, Charleston, W. Va., and Emory W. Worthington, Chicago, Ill., assignors to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application March 2, 1943, Serial No. 477,686
11 Claims. (Cl. 101—350)

1. In an inking mechanism for a printing press having a driving gear train said mechanism having rollers to transfer ink from an ink source to members to be inked, means for driving certain

of the rollers from the printing press gear train and independent means for driving the said cer-

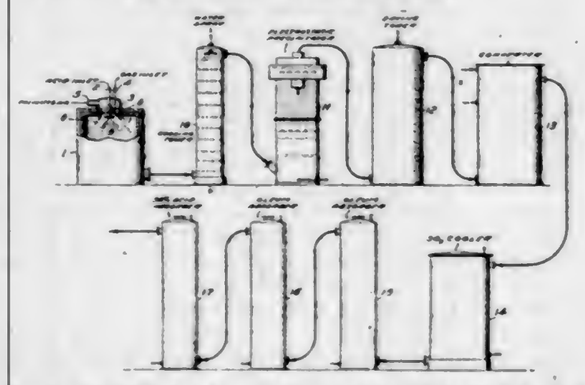


tain of the rollers at a higher speed at relatively slow press speeds.

2,406,929
CATALYST
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 22, 1942, Serial No. 444,096
1 Claim. (Cl. 252—207)

An amination catalyst comprising about 40% to 60% cobalt in suspension on a carrier of hydrated magnesium silicate in which the molar ratio of SiO_2:MgO is approximately 2:1.

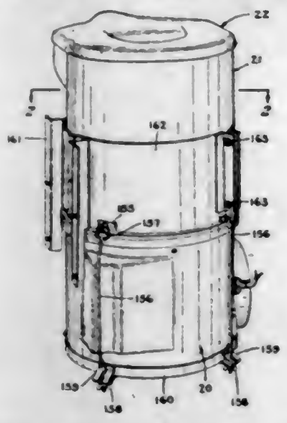
2,406,930
SULPHURIC ACID REGENERATION
Nicolay Titlestad, White Plains, N. Y., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application June 12, 1942, Serial No. 446,719
6 Claims. (Cl. 23—172)



6. A method of regenerating relatively concentrated sulphuric acid which comprises injecting said acid in finely divided condition into a combustion zone while simultaneously introducing air and fuel into said zone in amounts sufficient to maintain oxidizing conditions and a temperature of at least 1600° F., to obtain a gaseous mixture containing SO_2 and oxygen in amounts suitable for catalytic oxidation to form SO_3 without further addition of SO_2, catalytically oxidizing the SO_2 to SO_3 without such further addition, and recovering SO_3 as concentrated sulphuric acid.

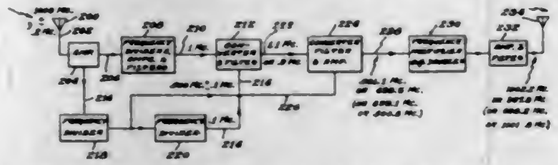
2,406,931
AIR CLEANER
Charles G. Troxler, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 18, 1943, Serial No. 506,625
3 Claims. (Cl. 183—57)

1. An air cleaning device, comprising a housing having an inlet for dirt-laden air and an outlet for cleaned air adapted to be connected to a source of suction, a plurality of spaced filters for removing the dirt from said dirt-laden air prior to discharge through said outlet, a movably mounted filter cleaning nozzle having opposed nozzle inlets, each of said nozzle inlets being mounted on a flexible diaphragm forming a part



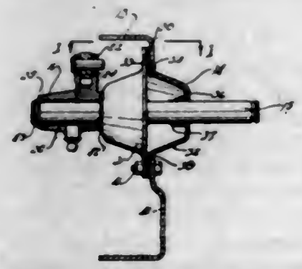
of said nozzle, resilient means interiorly of said nozzle and exerting a force on said diaphragms to urge said nozzle inlets into engagement with the adjacent filter during movement of said nozzle inlets along said filters, and suction creating means for said filter cleaning nozzle inlets to remove the dirt accumulated on said spaced filters during the filtering of the dirt-laden air.

2,406,932
WAVE CONVERSION
Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 16, 1942, Serial No. 447,225
27 Claims. (Cl. 250—15)



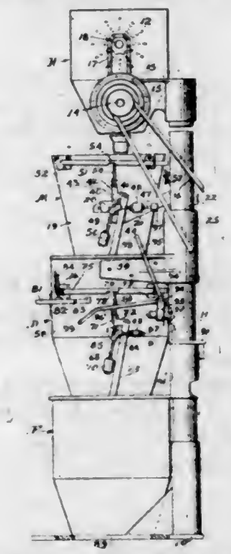
5. The method which includes frequency dividing one portion of alternating wave energy, frequency dividing to a greater degree another portion of said alternating wave energy, and combining the divided energies.

2,406,933
CROSS SHAFT MOUNTING
John J. Wharam and Charles P. Pinardi, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application March 16, 1945, Serial No. 583,101
3 Claims. (Cl. 180—77)



1. In a motor vehicle construction, a frame comprising a side sill and an X member having one end secured to said sill adjacent the forward portion thereof, an auxiliary frame member having its rear end secured to said X member and extending forwardly therefrom substantially parellel with the longitudinal axis of said vehicle to said sill and having its forward end secured thereto, a cross shaft mounting secured to said auxiliary frame member and having shaft portions extending transversely on each side thereof, an anchorage for a clutch actuating cross shaft secured to one side of said auxiliary frame member, a brake master cylinder secured to the other side of said auxiliary frame member, operating pedals mounted on said extending shaft portions, and linkage operatively connecting said pedals with said clutch actuating shaft and said master brake cylinder.

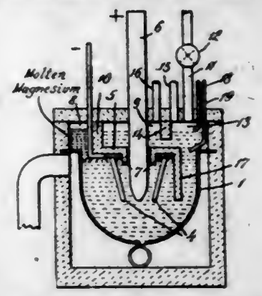
2,406,934
WEIGHING AND DISPENSING APPARATUS
Ralph E. Williams, River Forest, and Leon J. Nowak, Jr., Chicago, Ill., assignors to B. F. Gump Co., Chicago, Ill., a corporation of Illinois
Application January 10, 1944, Serial No. 517,642
11 Claims. (Cl. 249—38)



11. In a dispensing and weighing apparatus, means for feeding material into a weighing area, means at said area for weighing the fed material, means for discharging a weighed quantity of material from said weighing means into a dispensing area, means at said dispensing area for dispensing said weighed quantity of material, means for arresting further feed of material into the weighing means until the weighed quantity of material has been fed into the dispensing means and means controlling the opening of said dispensing means for discharge of weighed material therefrom and for, coincidentally with said opening, effecting resumption of feed to the weighing means.

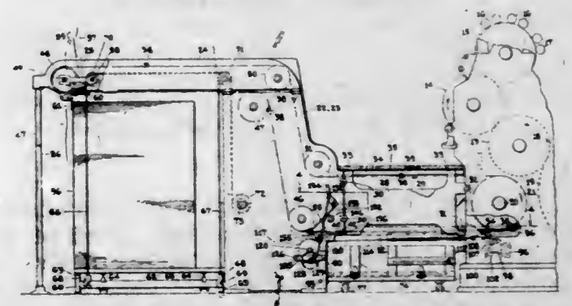
2,406,935
PREPARATION OF FUSIONS CONTAINING MAGNESIUM CHLORIDE
Joseph Leonard Wood and Robert B. MacMullin, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application October 16, 1941, Serial No. 415,270
7 Claims. (Cl. 204—70)

1. In the preparation of anhydrous fusions containing magnesium chloride, the improvement which comprises maintaining a fused body consisting essentially of halide diluent and magnesium chloride, the body having a density somewhat exceeding that of magnesium metal at the temperature of said fused body and containing magnesium chloride in proportions not exceeding about 50% by weight, introducing into said body



through its upper surface a charge of briquetted hydrous magnesium chloride, the briquettes of the charge being wettable by the fusion and having a density approximating 0.9–1.5, and taking off the thus liberated water.

2,406,936
SHEET DELIVERY MECHANISM
Arthur B. Woodruff, Brecksville, Ohio, assignor to Harris-Seybold Company, a corporation of Delaware
Continuation of application Serial No. 412,390, September 26, 1941. This application June 13, 1945, Serial No. 599,151
5 Claims. (Cl. 271—79)

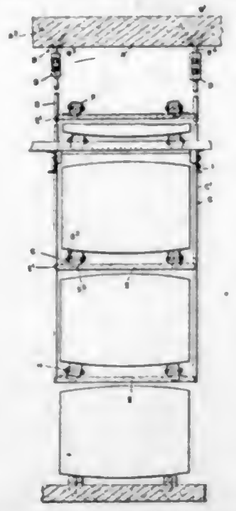


1. In a machine of the class described, a sheet conveyor comprising a plurality of sets of sheet grippers, a first delivery platform, means for opening said grippers to deposit sheets on said first delivery platform, a second delivery platform, and means for depositing sheets on said second delivery platform or permitting conveyance of sheets to said first delivery platform according to the desire of the press operator, said last-mentioned means comprising a cam for opening said grippers, sheet supporting means adapted to occupy a position over said second platform to support sheets in their passage thereover, and connections enabling said cam and sheet supporting means to be placed into or out of position for depositing sheets on said second platform.

2,406,937
BARREL STORAGE RACK
William F. Zabriskie, Detroit, Mich., assignor to Gabriel Steel Company, Detroit, Mich., a corporation of Michigan
Application June 19, 1944, Serial No. 541,107
6 Claims. (Cl. 20—1.13)

1. A storage for barrels or the like comprising a building of one or more stories, a series of freely suspended hangers each including a pair of spaced vertically extending rods and a plurality of cross members between said rods welded thereto, runway strips extending the length of the series of hangers above each of said cross

members and attached thereto, anchors secured to the ceiling of said building positioned in alignment with the rods of said hangers, and attach-



ment means between said anchors and rods permitting individual adjustment in the height of the latter.

2,406,938
METHOD OF REAMING
Edgar L. Zehrbach, Lima, Ohio
Application October 7, 1943, Serial No. 505,284
2 Claims. (Cl. 77—72)



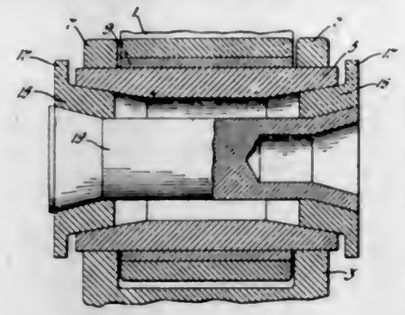
1. The method of reaming which consists in providing a reamer with a cutting head of substantially less length than the depth of the hole to be reamed and of less diameter than the diameter of such hole, offsetting angularly the axis of the reamer relative to the axis of the hole an amount predetermined according to the desired size of the reamed hole, and imparting relative translatory and rotary movements between the reamer and the work with the cutting head in such offset position.

2,406,939
LAMINATED GLASS GLAZING UNIT
James H. Boicey, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 27, 1942, Serial No. 428,382
2 Claims. (Cl. 20—56)



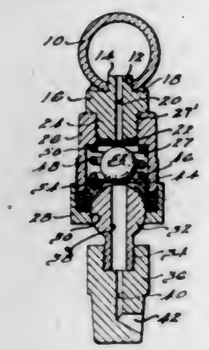
1. A laminated glass glazing unit, comprising two sheets of glass and an interposed layer of thermoplastic bonded thereto to form a composite structure, said plastic interlayer being of greater area than either of the glass sheets and extending outwardly therebeyond to provide a flexible attaching flange that is of lesser thickness than and offset from the center of the main body of the plastic interlayer lying between the two glass sheets, and a metal reinforcing member carried by the said attaching flange, one of said glass sheets extending outwardly beyond the edge of the other glass sheet and terminating inwardly of the outer edge of the said offset attaching flange and cooperating with the attaching flange to provide a slot therebetween.

2,406,940
PIVOT PIN
William E. Brill, Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 19, 1944, Serial No. 541,106
7 Claims. (Cl. 287—96)



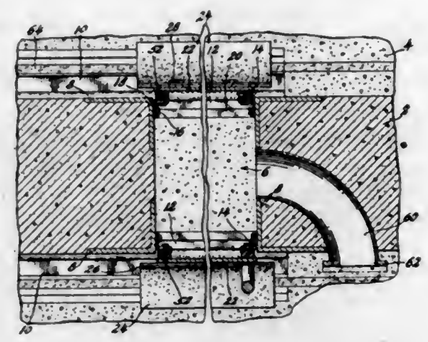
1. A pivot pin assembly comprising a pivot pin having a cylindrical exterior surface, internally tapered end portions and tapered plugs adapted to be pressed into said tapered end portions of said pin to expand the ends of the pin.

2,406,941
COMBINATION VALVE STRUCTURE
John A. Brooks, Detroit, Mich., assignor to Howard Foundry Company, Chicago, Ill., a corporation of Illinois
Original application February 22, 1943, Serial No. 476,781. Divided and this application September 18, 1944, Serial No. 554,573
3 Claims. (Cl. 251—8)



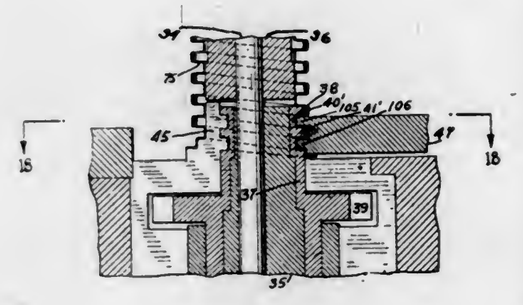
1. In a device of the type described, in combination, a main body having a bore therethrough and a counterbore forming an internal shoulder therein, a valve seat portion in said bore, an apertured cap member threadably mounted upon said main body for movement axially thereof, a discharge member carried by said cap member for a limited amount of universal movement with respect thereto, an annular sealing element within said counterbore of said main body in sealing engagement with respect to the wall of said counterbore and said discharge member, a spring within said counterbore maintained under compression between said shoulder and said sealing element, and a valve in said counterbore between said discharge member and said valve seat portion cooperable with said valve seat portion to vary the flow of liquid through said device.

2,406,942
SEALED DOORS
Horace J. Buttner, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 23, 1943, Serial No. 507,399
6 Claims. (Cl. 20—16)



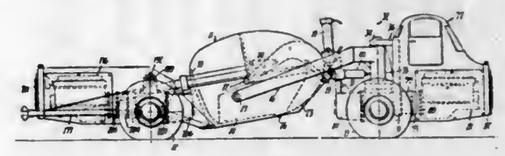
2. In a wall having an opening therethrough, a closure for said opening comprising doors secured to the sides of the wall and controlling access into said opening, peripheral sealing means mounted near the edges defining said opening and adapted to be contacted by said doors when closed, the doors when closed being spaced and closing said opening to define with the wall a closed space, and a conduit communicating with said closed space to enable changing the air pressure therein to cause the doors to be pressed against the sealing means in substantially gastight relation.

2,406,943
MEANS FOR FORMING CORRUGATED TUBE FROM A STRIP
Shirley J. Carter, Hayward, Calif., assignor to Titeflex, Inc., a corporation of New Jersey
Application August 18, 1943, Serial No. 499,085
11 Claims. (Cl. 113—35)



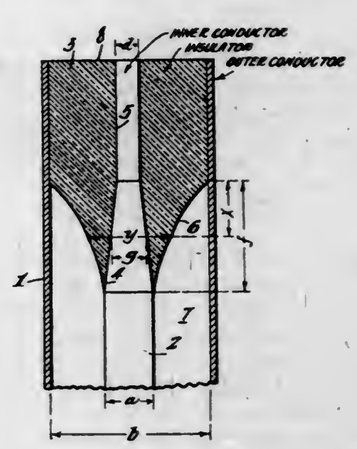
1. A mechanism for forming a corrugated tube from a strip comprising in combination a member about which the strip passes, a rotatable reaction roller embraced by said member, said roller being eccentric with relation to said member and said member having an opening at one side permitting cooperation of said reaction roller with a sealing roller, and a rotatable sealing roller, said sealing and reaction rollers having cooperating grooves and ridges adapted to interfold marginal portions of the strip.

2,406,944
VEHICLE
Roy E. Choate and Ellsworth W. Austin, Cedar Rapids, Iowa, assignors to LaPlant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware
Original application September 21, 1940, Serial No. 357,672, now Patent No. 2,347,882, dated May 2, 1944. Divided and this application September 13, 1943, Serial No. 502,114
12 Claims. (Cl. 180—51)



1. A vehicle comprising: a frame; rear wheels for supporting said frame; a first means connected to drive said rear wheels; front wheels for supporting and steering said frame; a second means connected to drive said front wheels; means for steering said front wheels; and means responsive to the steering of said front wheels for altering the driving connection of said second means to said front wheels.

2,406,945
INSULATOR FOR CONCENTRIC TRANSMISSION LINES
William F. Fell, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 16, 1943, Serial No. 476,123
10 Claims. (Cl. 178—44)

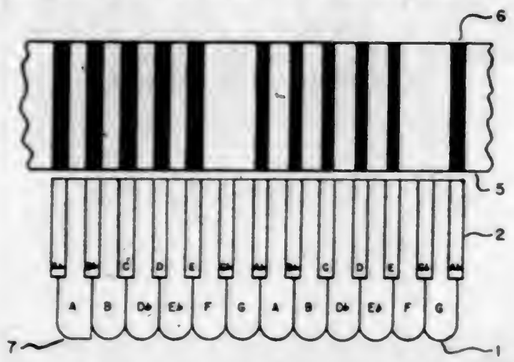


1. In a concentric high frequency transmission line comprising an outer cylindrical conductor and an inner cylindrical conductor having regions of varying diameters coaxial therewith, insulating means interposed between predetermined varying diameter regions of said conductors, said insulating means and said inner conductor having complementary conformations to provide substantially constant surge impedance along said line.

2,406,946
MUSIC TEACHING DEVICE
Floyd A. Firestone, Ann Arbor, Mich.
Application January 28, 1944, Serial No. 519,997
8 Claims. (Cl. 84—423)

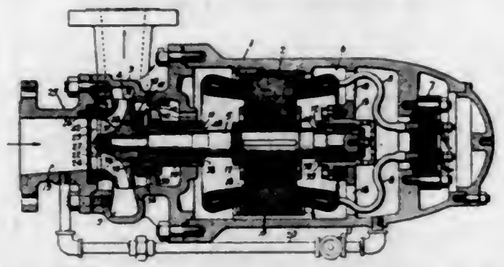
1. A device for teaching the playing of a musical instrument having a duplex whole tone key-

board of two or more levels, comprising: a staff consisting of groups of five equi-spaced lines, the space between adjacent groups being equal to the space between alternate lines of a group as if a line had been omitted; notes, which written on the lines indicate keys of one of the whole tone scales and written in the spaces indicate



keys of the other whole tone scale, notes on the successive lines and spaces of the staff indicating successive keys of the two whole tone scales; with the result that the lateral spacing of the fingers in playing a chord is graphically exactly indicated by the spacing of the notes which indicate the chord.

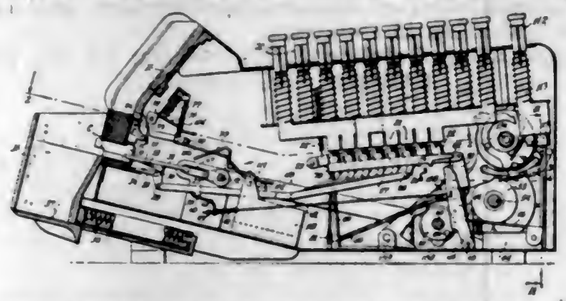
2,406,947
CENTRIFUGAL PUMP
Anatol J. Harlamoff, South Gate, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 30, 1944, Serial No. 551,809
3 Claims. (Cl. 103—112)



1. In a pump of the class described, a housing, a pump shaft therein, an impeller mounted on said shaft, axial thrust bearings carried by the housing and engaging the forward and rear faces of said impeller to prevent axial movement of the same, cylindrical wear rings carried by the impeller, and complementary wear rings secured to the housing for sealing the impeller against leakage of fluid along its faces, and said wear rings being of substantially the same diameter to give a balanced construction and seal for the impeller.

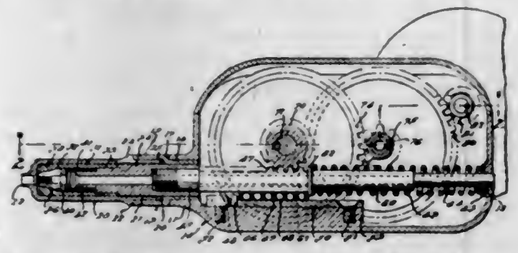
2,406,948
COIN HANDLING MACHINE
Otis E. Hoffman, Earl W. Quirk, and William H. Sprenger, Watertown, Wis., assignors to Brandt Automatic Cashier Company, Watertown, Wis., a corporation of Wisconsin
Application September 7, 1942, Serial No. 457,556
14 Claims. (Cl. 133—4)

5. In a coin delivery machine having coin holders for coins of different denominations, the combination of a motor, a carrier reciprocated by said motor, a coin ejector member for each holder pivotally mounted on said carrier, an ejector raising lever yieldingly engaging with each ejector member to raise and yieldingly hold the same in coin ejecting position as said carrier moves toward said holder, key controlled mechanical means for selectively operating said



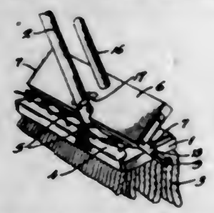
raising levers, means for holding the selected raised levers in raised position, and means operated by said motor for releasing said holding means after a single reciprocation of said carrier.

2,406,949
RIVETING GUN
Louis C. Huck, Grosse Pointe, Mich., assignor to Huxon Holding Corporation, Detroit, Mich., a corporation of Michigan
Application July 31, 1944, Serial No. 547,397
10 Claims. (Cl. 218—19)



1. A mechanism for relatively moving a tubular element and a pin element extending through it, comprising a casing, an anvil on the casing for applying reaction forces to the tubular element, means engageable with the pin for pulling it, a rack connected to said means, a pinion engaging the rack, resilient means opposing rivet pulling movement of the rack, hand-operated means for turning the pinion and releasable means for normally preventing reverse turning of the pinion.

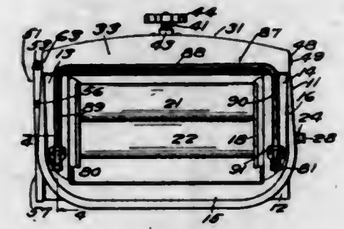
2,406,950
SELF-SQUEEZING MOP
Pearl M. Jackson, Chicago, Ill.
Application October 4, 1944, Serial No. 557,085
1 Claim. (Cl. 15—119)



A mop comprising a head member having a handle, a body of absorbent material dependingly attached to said head member, a presser member having a pressing face for squeezing the absorbent material against said head, a pair of longitudinally disposed and axially alined trunnions projecting from opposite ends of said head member, parallel lever arms rigidly attached to opposite ends of said presser member, being disposed transversely to the pressing face thereof and having spaced bearing apertures to rotatably engage said trunnions at selective distances from

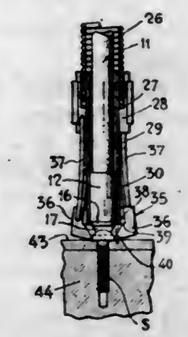
said pressing face, and a handle on said presser member, said trunnions having circular cross sectional contours correspondingly flattened at opposite sides in substantially parallel relation to said pressing face, and said lever arms each having a contracted slot connecting its said bearing apertures and proportioned to permit the passage of the respective trunnion from one bearing aperture to another only when said slot registers with the flattened sides of said trunnions.

2,406,951
WRINGER
Gustave H. Jantz, Cincinnati, Ohio, assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 25, 1934, Serial No. 749,977
51 Claims. (Cl. 68—263)



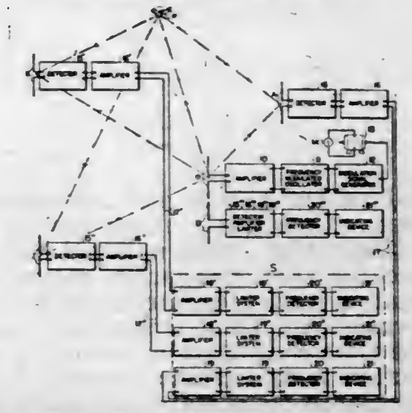
50. In a clothes wringer, separable roll pressure applying members, means for maintaining said members in pressure applying relation including unstable toggle links pivoted respectively to the pressure applying members and each other and forming in pressure maintaining position an acute angle at the common pivot, a latch for maintaining the toggle links in pressure maintaining position, and safety release means for moving the latch from the pressure maintaining position.

2,406,952
SAFETY SCREW DRIVER
Anatol Marco Josepho, Pacific Palisades, Calif.
Application June 7, 1943, Serial No. 489,909
3 Claims. (Cl. 145—52)



1. In a device of the character described, the combination of: a screw driving element comprising a shaft having a blade on one end, a handle on the other end, and one part of a coupling device intermediate the end, and a tubular screw guide and retaining element for retaining a screw in operative engagement with said blade comprising a plurality of tapered jaws enclosing said blade and diametrically yieldable under wedging action of either the blade end of said shaft or the head of said screw as they advance relatively to said jaws and releasing said screw head when the latter is advanced into its final seat, said jaws being spring mounted on a collar which encloses said shaft, a tubular member depending from said collar for guiding a screw and for centering said jaws, a complementary part of said coupling device adapted to cooperate with said first part to releasably retain said elements in assembled relation, and a helical spring interconnecting said complementary part and said tubular member.

2,406,953
SYSTEM FOR DETERMINING THE POSITION OF AN OBJECT IN SPACE
Harold M. Lewis, Allenhurst, N. J., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application August 21, 1941, Serial No. 407,732
28 Claims. (Cl. 250—11)

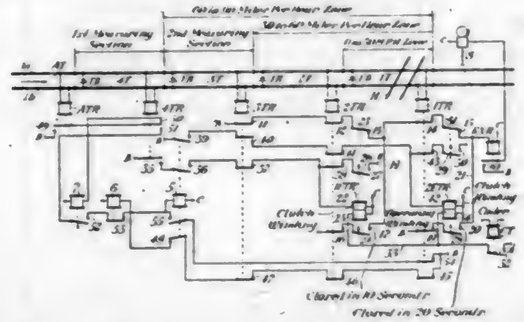


1. A system for determining the position in space of an object comprising, a plurality of related antennas having space displacements with respect to each other and to said object, said antennas forming at least three pairs, a source of high-frequency carrier waves, means for generating a modulation signal for periodically varying a characteristic of said carrier waves, means including said antennas for translating said modulation signal over paths corresponding to each of said space displacements, means responsive to signals translated over said paths to derive for each of said pairs of antennas a control signal having a characteristic which is dependent upon the relative space displacements of said object from individual ones of said antennas, each of said pairs of antennas having the characteristic that its equal-valued control-signal loci are represented by geometric surfaces of revolution, the position in space of said object defining the point of intersection of surfaces of revolution of at least three of said pairs of antennas, and means for utilizing said control signals to determine said point of intersection, thereby to determine the position in space of said object.

2,406,954
ALKYLATION OF ISOPARAFFINIC HYDROCARBONS
Carl B. Linn, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 20, 1943, Serial No. 503,105
8 Claims. (Cl. 260—683.4)

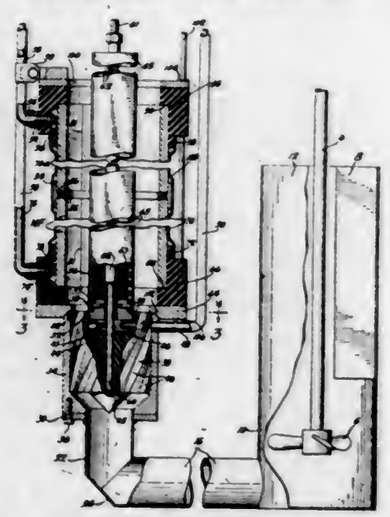
1. An alkylation process which comprises reacting an isoparaffin with an olefin in the presence of a liquid hydrogen fluoride catalyst having dissolved therein a minor proportion of an inorganic compound soluble in liquid hydrogen fluoride and boiling below about 300° C., said inorganic compound being selected from the group consisting of the fluorides and oxyfluorides of sulfur, selenium, nitrogen, phosphorus, molybdenum, titanium, tungsten, vanadium, and silicon.

2,406,955
APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS
Carl F. Lower, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 15, 1944, Serial No. 568,288
5 Claims. (Cl. 246—130)



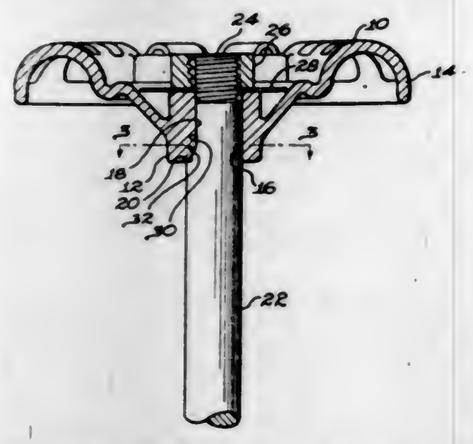
1. In combination, a speed measuring track section provided with a track circuit having a normally energized track relay, a signal controlling electroresponsive time measuring means, a line circuit including a back contact of said track relay to energize said time measuring means to measure the time consumed by a train in traveling said section, a first traffic controlled contact closed in response to a train approaching said section, a second traffic controlled contact which becomes open when a train passes beyond said section, a first relay energized through said second contact, a slow release relay energized through said first contact and a front contact of said track relay, a stick relay having a pick-up circuit including a back contact of said track relay and a front contact of each of said first relay and said slow release relay, a stick circuit for said stick relay, and a front contact of said stick relay interposed in said line circuit to avoid energizing said time measuring means due to a failure of said track circuit.

2,406,956
APPARATUS FOR ELECTROPLATING OF BEARING SHELLS
Carroll F. Matthews, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 27, 1942, Serial No. 463,484
10 Claims. (Cl. 204—272)



7. In a cathode apparatus for electroplating the bearing shells of bearings of crankshafts used on internal combustion engines, a first mask, a second mask, a plurality of superimposed aligned pairs of bearing half shells positioned between the masks and spacing them from each other, a cover of nonconducting material over the outside of the shells, means removably to hold the masks and shells in assembled relation, and current conducting leads mounted in the masks and connected with the end pairs of bearing shells.

2,406,957
HANDWHEEL ATTACHING MEANS
Harry McCarthy, Kewanee, Ill., assignor to Walworth Patents, Inc., Boston, Mass., a corporation of Massachusetts
Application August 8, 1944, Serial No. 548,618
4 Claims. (Cl. 287—53)



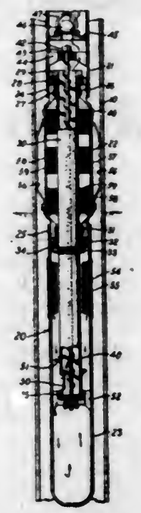
1. Securing means of the character described comprising a handle having an aperture therethrough longitudinally flattened on one side thereof defining a segmental-circular cross-section, a stem having a flattened side defining a complemental segmental-circular portion engaging the walls of said aperture and projecting therebeyond, said projection being threaded on the unflattened side thereof, and a nut engaging said threaded portion of said projection for retaining said handle on said stem.

2,406,958
CHEMICALLY MODIFIED WOOL
David Malcolm McQueen, Newark, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 9, 1943, Serial No. 494,075
8 Claims. (Cl. 8—127.6)

2. A process which comprises reacting dry wool in an essentially anhydrous inert liquid medium with from 104 to 6650 parts, per 2060 parts of wool, of styrene in the presence of from 21.6 to 126.9 parts, per 2,060 parts of wool, of iodine.

2,406,959
ROTARY PUMP
Dwight H. Millard, Norwalk, Calif.
Application August 21, 1944, Serial No. 550,426
6 Claims. (Cl. 103—87)

1. In hydraulic pumping, a pump comprising a housing, a rotatable tubular impeller member in said housing having an inlet opening and a gear adjacent an end thereof, motor means in said housing for said impeller, a web member forming an idler gear bearing bracket, an idler gear mounted on said bracket, a rotatable complementary impeller member within said tubular impeller member and having a driving gear engageable with said idler gear, said bearing bracket having a fluid passage registering with said tubular impeller member inlet opening, said tubular impeller

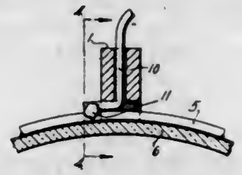


member having an internal spiral blade, and an external spiral blade adapted to direct fluid toward said inlet opening.

2,406,960
PREPARATION OF HEAVY METAL SALTS OF DITHIOCARBAMIC ACIDS
Arthur M. Neal, Wilmington, Del., and Bernard M. Sturgis, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 22, 1942, Serial No. 455,784
17 Claims. (Cl. 260—239)

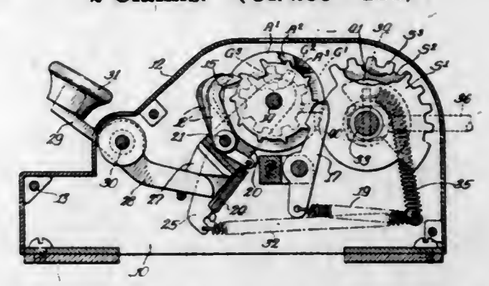
1. The process of preparing a heavy metal salt of a dithiocarbamic acid which comprises adding from about 1% to about 20% of a water-soluble salt of a strong base and a weak acid to an aqueous solution of a water-soluble salt of the dithiocarbamic acid having a pH above 7 and then adding a water-soluble salt of the heavy metal to the solution in sufficient amount to precipitate the heavy metal salt of the dithiocarbamic acid.

2,406,961
DEVICE FOR USE WITH HELICALLY-WOUND COILS
Arthur V. Nichol, Elkins Park, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 15, 1943, Serial No. 494,856
4 Claims. (Cl. 175—359)



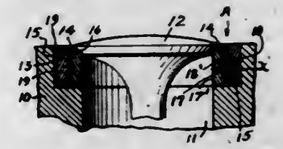
4. In combination with a helically-wound coil structure, an insulating member extending longitudinally of said coil structure externally of the same and secured thereto, said member having spaced recesses receiving the successive turns of the coil, said member also having at least one aperture or passage extending from a predetermined one of said recesses, and a tap connection extending through said aperture and having its end bent and securely held in said one recess in firm engagement with the coil turn therein, the said end of said tap connection being electrically joined to the associated coil turn.

2,406,962
COUNTER
John Noonan, St. Louis, Mo., assignor to D. H. Finke, Chicago, Ill.
Original application May 31, 1941, Serial No. 396,040. Divided and this application December 13, 1944, Serial No. 568,033
2 Claims. (Cl. 235—144)



1. In a counter, a plurality of indicia carrying elements, an actuating element for said indicia carrying elements, means for returning each of said indicia carrying elements to its initial position comprising a gear element for each indicia carrying element, a return gear cooperable with each of said gear elements, means biasing said return gear to non-cooperating position with relation to said gear elements, each gear element having a position, when its respective indicia carrying element is at its initial position, where an elongated element of the gear element is bent out of the plane of the remaining teeth to discontinue actuation of said indicia carrying elements by said return gear, and a stop for said elongated element operable to prevent movement of the elongated element past initial position of the respective indicia carrying elements as they are moved in a return direction, said stop being carried by said return gear to effect removal of said stop from its stopping position when the indicia carrying element is to be moved in a counting direction.

2,406,963
VALVE SEAT INSERT ASSEMBLY, AND ASSEMBLY METHOD AND MEANS
Samuel H. Norton, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 16, 1943, Serial No. 498,900
9 Claims. (Cl. 123—188)

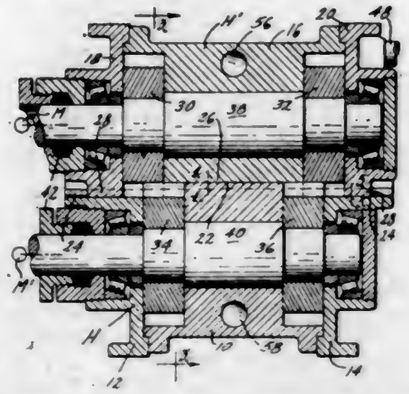


1. A preformed valve seat insert comprising an annular seat member and an annular surrounding retainer member, said seat member having annular teeth on its outer side and said retainer member having annular complementary teeth on its inner side, said teeth on said members having overlapping faces in planes at right angles to the axis of the members, and the outer surfaces of the teeth on said members having clearance space therebetween for permitting relative expansion or contraction of the members.

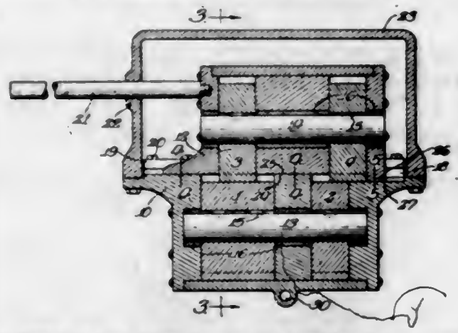
2,406,964
VARIABLE DELIVERY AND REVERSING PUMP
Donald J. Orr, Arnolds Park, Iowa
Application February 19, 1943, Serial No. 476,376
2 Claims. (Cl. 103—120)

2. In a variable delivery and reversing pump, a pair of housings arranged side by side, a guide

connection between said housings to permit sliding of one relative to the other, a pair of pump rotors in each housing, one pair of said rotors variably meshing with the other pair thereof to form sets of intermeshing rotors, each set of intermeshing rotors having an inlet and an outlet, one pair of said rotors being offset relative to the other pair whereby the degree of meshing of one rotor of one pair with one rotor of the other pair increases as the degree of meshing of the other two rotors decreases when one of said housings is slid relative to the other, means for changing the mesh of said rotors, means for connecting the outlet of each set of meshing rotors with the inlet of the other set of meshing rotors, and motor means for driving each of said pairs of pump rotors.

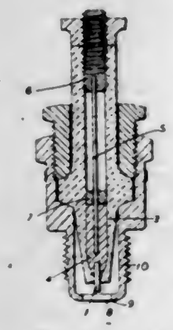


2,406,965
VARIABLE DELIVERY FLUID HANDLING DEVICE
Donald J. Orr, Arnolds Park, Iowa
Application March 30, 1943, Serial No. 481,120
3 Claims. (Cl. 103—120)



1. A device of the type described comprising a two-section housing, first and second transmission gears in one section thereof, third and fourth transmission gears in the other section thereof, said first and third gears meshing with each other and the first one being wider than the third one, said second and fourth gears meshing with each other, a shaft operatively connecting said first gear with said second gear, a shaft operatively connecting said third gear with said fourth gear, one of said housing sections being movable axially of the other one to vary the position of mesh of said first gear with relation to and between the limits of width of said third gear and to vary the degree of mesh of the second and fourth gears relative to each other, an inlet hydraulically connected with the intake side of said first and third gears, said first and third gears being driven by the fluid supplied to said inlet from a source of fluid supply, a power delivering outlet hydraulically connected with the outlet side of said first and third gears, an inlet and an outlet connected to the inlet side and the outlet side respectively, of said second and fourth gears, a single by-pass connection between said first-named outlet and the inlet of said second and fourth gears, said second and fourth gears being driven by said shafts and by fluid from said by-pass connection, and a return pipe hydraulically connected with the outlet of said second and fourth gears and returning fluid to the source of supply of said first-named inlet.

2,406,966
SPARK PLUG ELECTRODE
Leonard Bessemer Pfeil, Edgbaston, Birmingham, England, assignor to International Nickel Company Inc., New York, N. Y., a corporation of Delaware
Application May 5, 1943, Serial No. 485,704
In Great Britain May 15, 1942
5 Claims. (Cl. 123—169)



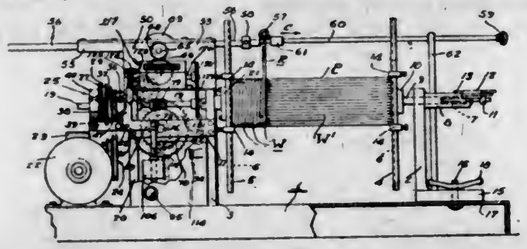
1. A spark plug ready for service and having an electrode made from a precious metal alloy, at least the unsupported part of said electrode having a non-recrystallized fibrous microstructure made up of crystals having longitudinal lengths much greater than their widths.

2,406,967
ISOMERIZATION OF SATURATED HYDROCARBONS
Herman Pines, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 19, 1943, Serial No. 510,915
12 Claims. (Cl. 260—683.5)

2. An isomerization process which comprises contacting a normally liquid paraffin hydrocarbon with an isomerizing catalyst comprising a free metal halide of the Friedel-Crafts type under isomerizing conditions and in the presence of an aromatic hydrocarbon containing at least one polynuclear aromatic group of the fused ring type.

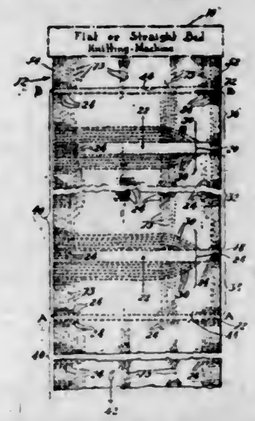
2,406,968
PLATE WINDING MACHINE
Henry W. Scher, Elkins Park, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 5, 1945, Serial No. 586,785
8 Claims. (Cl. 242—1)

1. In a machine for winding a ribbon about a storage battery plate, battery plate holding and rotating mechanism, ribbon traversing mechanism mechanically associated with said holding and rotating mechanism and operable to lay the ribbon on the plate in timed relation with the rotation thereof to form overlapping wraps progressing axially of the plate, and control mechanism operatively related to said plate holding and rotating mechanism and to the ribbon traversing mechanism, said control mechanism comprising electro-mechanical means adapted to be set in accordance with the number of wraps



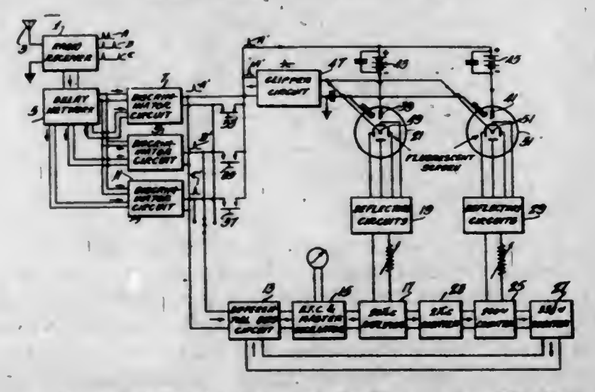
to be formed on the plate and operable to terminate the ribbon winding and traversing functions of the machine upon completion of said number.

2,406,969
FULL-FASHIONED KNITTED GARMENT AND METHOD OF MANUFACTURING THE SAME
Leon Silman, New York, N. Y.
Application October 26, 1944, Serial No. 560,385
32 Claims. (Cl. 66—176)



1. A full fashioned girdle constructed from a unitary knitted fabric blank, having shaped panels, at the side of the girdle, separated by an intervening section of the fabric, the courses of yarn comprising the shaped panels knitted in the fabric so that they do not form a part of any course of yarn comprising an intervening section of the fabric.

2,406,970
RADIO PULSE INDICATOR
John P. Smith, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1941, Serial No. 420,919
6 Claims. (Cl. 315—24)



1. A pulse indicator including a cathode ray tube having a fluorescent screen, a grid electrode, a radial deflecting electrode, and a source of cathode rays, means for sweeping said rays at a predetermined timing rate, means for blanking said rays off said screen, means for applying pulses to be indicated to said grid electrode to overcome said blanking means and to apply said rays to said screen, and means for applying said pulses to said radial deflecting electrode simultaneously with said application of said pulses to said grid electrode to deflect said ray radially on said screen.

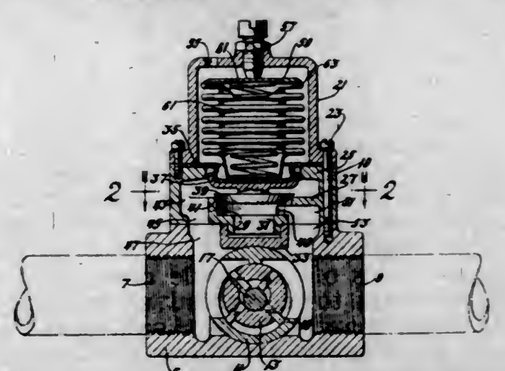
2,406,971
LUBRICANT AND PROCESS OF LUBRICATING SURFACES THEREWITH
Frank J. Sowa, Cranford, N. J.
No Drawing. Application May 16, 1942, Serial No. 443,303
6 Claims. (Cl. 252—49.6)

1. A lubricant comprising a non-lubricating organic liquid and an organic silicon compound selected from the class of hydrolysis products of organic silicanes and polymers of said hydrolysis products, said organic silicon compound being present in an amount sufficient to impart lubricating properties to said liquid.

2,406,972
PROCESSES FOR PRODUCTION OF PYRIDINE 3-SULPHONIC ACID AND ITS SALTS
Edmond T. Tisza and Bernard F. Duesel, Yonkers, N. Y., assignors to Pyridium Corporation, Yonkers, N. Y., a corporation of New York
No Drawing. Application February 24, 1943, Serial No. 476,908
4 Claims. (Cl. 260—290)

1. In a process of sulphonating pyridine in the 3 position, the step which comprises the periodical additions of oleum and a member of the group of catalysts consisting of mercury, aluminum, magnesium and vanadium and their sulphates to a solution of pyridine sulphate in oleum under sulphonating temperatures and recovering the 3 pyridine sulphonic acid.

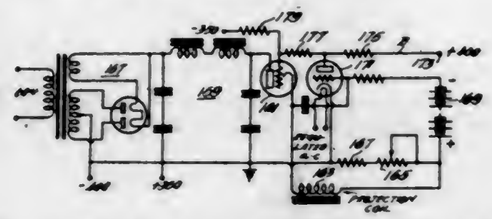
2,406,973
ALTITUDE COMPENSATOR FOR FUEL PUMPS
Milton A. Trisler, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 27, 1942, Serial No. 467,134
5 Claims. (Cl. 103—42)



1. In a fuel pump having a pressure regulator by-pass, a valve therefor, a spring and an altitude sensitive aneroid jointly operable on said valve, an air vented chamber containing said spring and aneroid and a flexible diaphragm connected to said valve and separating said aneroid chamber from said bypass the dimensions of the

aneroid and the diaphragm being such that the air pressure within the chamber exerts a force on the diaphragm tending to close the valve substantially equal to the force of said air pressure acting on the aneroid in a direction to open the valve.

2,406,974
POWER SUPPLY FOR ELECTRON MICROSCOPES
Arthur W. Vance, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1942, Serial No. 440,771, which is a division of application Serial No. 365,750, November 15, 1940, now Patent No. 2,302,900, dated November 24, 1942. Divided and this application April 17, 1943, Serial No. 483,488
1 Claim. (Cl. 171—312)



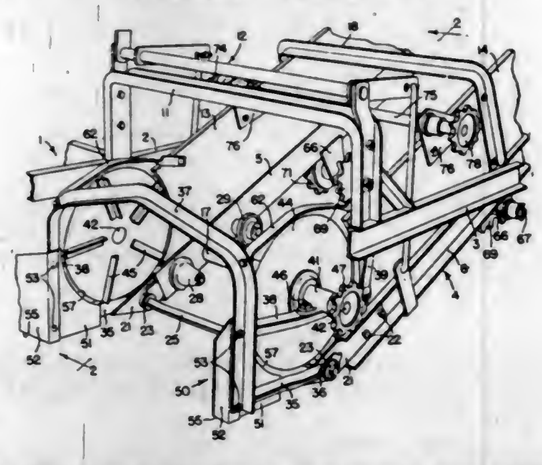
In a stabilized power supply system including a plurality of separate direct current power supply units energized by a common power line, one of said units having its positive terminal grounded and the other units having their negative terminals grounded, regulating means for stabilizing the negative voltage output of said one unit, means for applying said negative voltage to other units of said system, means for comparing the positive output voltages of said other units with said negative voltage to obtain a difference voltage of substantially zero amplitude, and means responsive to changes in the amplitude of said difference voltage for controlling the output voltages of one of said other units.

2,406,975
PROCESS OF MAKING SLIP LASTED SHOES
John J. Walsh, Des Peres, Mo., assignor to Penaljo Company, St. Louis, Mo., a firm
Application May 18, 1944, Serial No. 536,069
3 Claims. (Cl. 12—142)



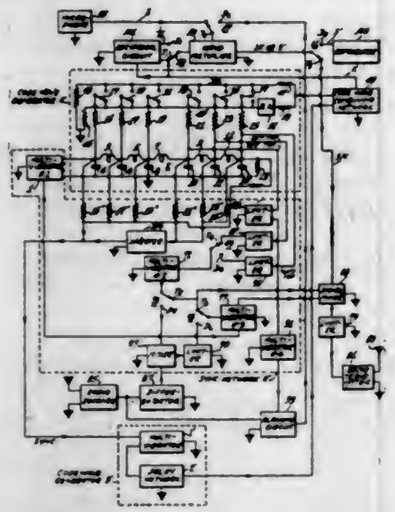
1. That process of making slip-lasted shoes which includes forming an insole having approximately the contour of the finished shoe, forming an upper also having the approximate dimensions and shape corresponding to those of the finished shoe and being adapted to be ultimately secured to opposite sides of the insole along continuous lines between the toe and shank of the shoe, folding the upper marginally over and upon the under face of the insole, initially stitching said upper to the insole prior to lasting and only in limited areas adjacent the toe and shank portions of the insole while leaving the margins of the upper free between such limited areas of securement, placing the partially completed shoe upon a last and thereupon pulling over and cementing down the unstitched margins of the upper and applying a sole member.

2,406,976
BEET LOADER
Claude W. Walz and Robert D. Griff, Rock Island, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 26, 1944, Serial No. 542,154
7 Claims. (Cl. 198—9)



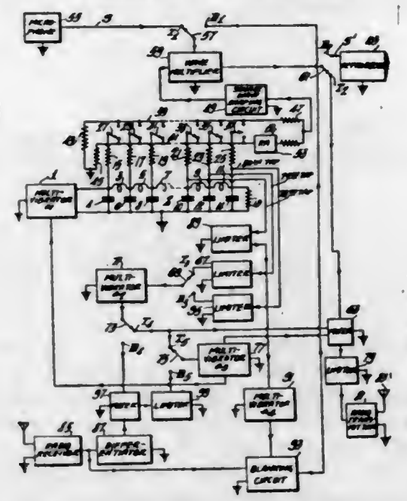
1. In a crop loader, a conveyor comprising a framework having sides and an elevating element constituting the bottom thereof, forwardly disposed extensions carried at the front of said framework, stationary guides fixed to said extensions, and a pair of driven disks disposed between the sides of said conveyor and said stationary guide members and also mounted on said extensions, each of said disks being disposed in the plane of the front of the associated frame side and the rear portion of the associated extension, the space between said disks above said elevating element being substantially unobstructed.

2,406,977
SYNCHRONIZING SYSTEM
Karl R. Wendt, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 29, 1944, Serial No. 547,225
12 Claims. (Cl. 179—1.5)



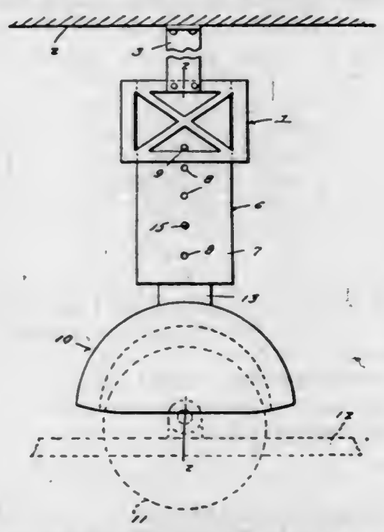
1. A device including a plurality of wave generators, a delay network excited by waves from one of said generators, means for deriving from said network different successively delayed components of said exciting waves, predetermined ones of said derived delayed wave components being successively reversed in polarity, means for combining said derived wave components of both polarities to generate a wave which is a predetermined harmonic of said exciting wave frequency, and means for synchronizing at least one other of said generators at a predetermined sub-harmonic of said generated harmonic wave.

2,406,978
SQUARE CODING WAVE GENERATOR FOR SECRET TELECOMMUNICATION SYSTEMS
Karl R. Wendt, Hightstown, and Alda V. Bedford, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 12, 1944, Serial No. 549,216
18 Claims. (Cl. 179—1.5)



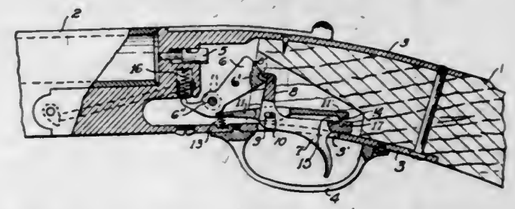
1. In a secret telecommunication system for a communication signal, means for producing a complex square coding wave having equal amplitude positive and negative wave increments with respect to its A.-C. axis, and means for combining said coding wave with said communication signal to provide a coded transmission signal.

2,406,979
CIRCULAR SAW AND DADO COVER
John F. Wolfe, Lapeer, Mich.
Application September 20, 1943, Serial No. 503,133
1 Claim. (Cl. 143—159)



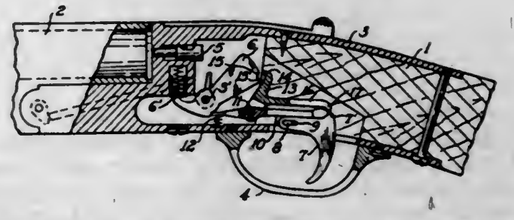
A circular saw cover comprising a skeleton box-like guide including upper and lower transverse bars, and vertically spaced pairs of upper and lower longitudinal bars extending between the transverse bars and forming therewith a vertical passage in said guide, means for suspending the guide from a support, a substantially flat tubular hanger slidably disposed in the passage and provided with vertically spaced openings therein, a pin insertable in openings in said hanger above and below the lower pair of longitudinal bars, selectively, said pin when inserted in openings above said lower pair of longitudinal bars suspending said hanger from said lower pair of bars for adjustment of the hanger upwardly in said passage and being adapted to coact with the upper pair of longitudinal bars to limit upward adjustment of said hanger, said pin when inserted in openings below the lower pair of longitudinal bars coacting with said lower pair of bars to prevent upward adjustment of the hanger, a guard, a substantially flat shank rising from said guard and vertically adjustable slidably in the lower part of the hanger, said shank having an opening and a vertical slot therein vertically spaced apart and adapted to be registered, respectively, with openings in said hanger, and a second pin insertable selectively in the opening and slot in the shank and in openings in the hanger with which said opening and slot in the shank may be registered to thereby connect the shank to the hanger against vertical movement relative thereto or for vertical slidable adjustment in said hanger.

2,406,980
COMBINED RELEASE FIRE AND STRAIGHT FIRE GUN
Charles A. Young, Springfield, Ohio
Application December 7, 1942, Serial No. 468,088
6 Claims. (Cl. 42—69)



2. In a gun of the character described, an impact member, a sear for holding said member cocked, a trigger engageable with the said sear to disengage the sear from the impact member at all times when the trigger is retracted, a detent rigidly connected to said trigger to hold said impact member cocked when the gun is to be used for release firing, said trigger having a limited movement in a longitudinal direction of the gun to position said detent out of operative relation with said impact member when the gun is to be used for straight firing.

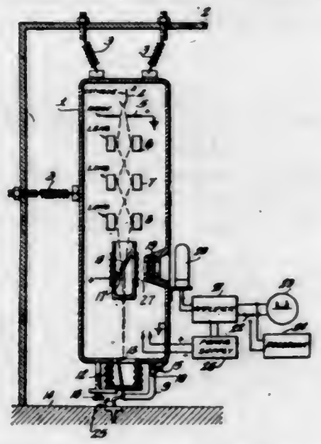
2,406,981
COMBINED RELEASE FIRE AND STRAIGHT FIRE GUN
Charles A. Young, Springfield, Ohio
Application December 7, 1942, Serial No. 468,089
4 Claims. (Cl. 42—69)



1. A firearm convertible from straight fire to release fire operation and vice versa, said fire arm

comprising an impact member, a trigger, a sear, a detent separate from the sear and trigger temporarily holding the impact member cocked independently of the sear under certain conditions, said trigger being common to said sear and detent, and a mount therefor upon which the trigger is bodily slidable into alternate operative positions, in one of which upon manual retraction it will disengage the sear to release the impact member independently of actuation of the detent and in the other of which the trigger is operative upon manual retraction to disengage the sear from the impact member and simultaneously engage the detent with the impact member, from which latter it is automatically disengaged upon release of the trigger.

2,406,982
ELECTRONIC VIBRATION DETECTING APPARATUS
Vladimir K. Zworykin, Philadelphia, Pa., and James Hillier, Cranbury, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 20, 1942, Serial No. 447,864
9 Claims. (Cl. 177—351)



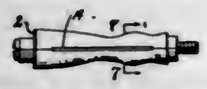
1. An electronic device for detecting vibration in a body, said device including a relatively heavy evacuated envelope enclosing means for generating an electron beam, and means for deriving from said beam an electron probe of small cross-sectional area, a movable element having a sharply defined edge enclosed within said envelope responsive to said vibration of said body, means for focusing said electron probe at said edge of said element, and means including electron responsive means enclosed within said envelope responsive to said movement of said edge of said element for deriving an electric current of amplitude proportional to a function of said movement.

2,406,983
RAZOR
John W. Anderson, Gary, Ind.
Application July 1, 1944, Serial No. 543,067
23 Claims. (Cl. 30—85)



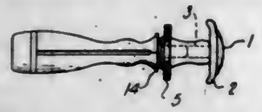
16. A safety razor including a blade carrying head, rigid means extending from said head, a handle rotatably mounted on said rigid means, and said handle being provided with breaking means actuatable to retard relative rotation between said handle and rigid means.

2,406,984
HANDLE FOR SAFETY RAZORS
John W. Anderson, Gary, Ind.
Application July 31, 1944, Serial No. 547,404
12 Claims. (Cl. 30—85)



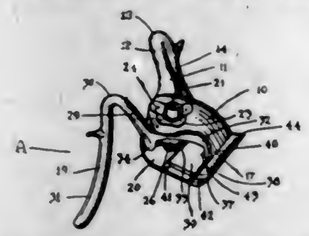
6. A handle for a safety razor comprising, a spindle, a plurality of longitudinal sections rotatably mounted on said spindle, and means holding said sections in assembled relationship whereby at least a portion of each section is free to move with relation to each other section in response to pressure to retard movement of the handle relative to said spindle.

2,406,985
RAZOR
John W. Anderson, Gary, Ind.
Application April 19, 1945, Serial No. 589,213
8 Claims. (Cl. 30—85)



8. In a safety razor of the type having a blade carrying head, the combination of a shaft, a handle comprising a plurality of longitudinal sections rotatably mounted on said shaft, a ring positioned over one end of said handle for loosely retaining the handle sections together, an enlarged end portion on said shaft for retaining said ring in position over the end of said handle sections, an enlarged recessed member secured to the other end of said shaft and arranged to receive the other end of said handle for loosely retaining the handle sections on said handle whereby the handle sections respond to pressure to effect a braking action between the handle and the said shaft to retard relative rotation therebetween.

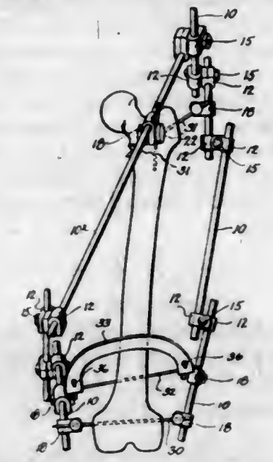
2,406,986
HAIR CLIPPER
Reuben B. Anderson, St. Paul, Minn.
Application March 24, 1945, Serial No. 584,525
8 Claims. (Cl. 30—212)



1. A hair clippers construction including a body including a pair of relatively slidable clipper plates, handles secured to said plates to cause relative reciprocation, said handles extending downwardly and rearwardly to extend below the level of the cutter blades.

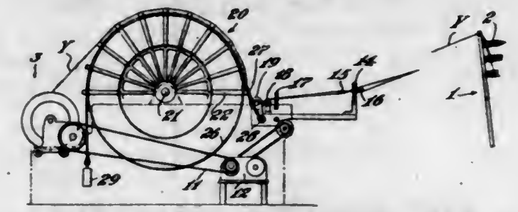
2,406,987
FRACTURE SPLINT
Roger Anderson, Seattle, Wash.
Application January 4, 1943, Serial No. 471,227
7 Claims. (Cl. 128—85)

1. In fracture treating equipment of the character described; in combination, a rigid transfixion member, a frame extension rod, and a transfixion mounting clamp member applied to the rod for rotation thereon and for sliding adjustment along the rod to accommodate it to the particular disposition of the transfixion member; said clamp member having a tightening means adjustably applied thereto equipped to engage



the transfixion for its functional securement to the rod and whereby, upon tightening of the said means, the extension rod and transfixion member will be rendered relatively rigid and whereby, upon loosening of the clamp member, the rod, clamp and transfixion will be rendered relatively adjustable.

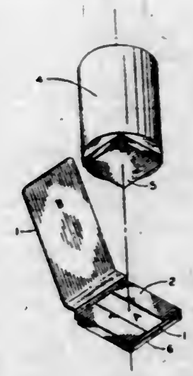
2,406,988
METHOD OF AND APPARATUS FOR USE IN PREPARING WEAVING WARPS
James Bolton, New Bedford, Mass.
Application August 22, 1944, Serial No. 550,540
11 Claims. (Cl. 28—32)



1. In apparatus for winding a warp on a loom beam in combination, means for supporting yarn masses in number at least equal to the number of ends in the desired warp, a comb operative to dispose the yarns in side by side relation, the length of the comb being substantially equal to the width of the desired warp, a loom beam and means for rotating the beam, the axis of the beam being parallel to the length of the comb, and a series of spaced yarn-positioning elements which move with the yarns as the latter approach the winding mass on the beam, said positioning elements being constructed and arranged to prevent the yarn from rolling.

2,406,989
TACK TESTING DEVICE
Rowland E. Bonner, Stamford, Conn., and Morris D. Brewster, Wilmington, Del., assignors to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application July 1, 1944, Serial No. 543,110
2 Claims. (Cl. 73—150)

1. A device for determining whether or not a coating is tack-free comprising a base member having an upper surface for carrying a weight and a flat under surface adapted to lie flat on said coating for a predetermined period of time, renewable, flexible sheet material stretched across said under surface, and a counterbalancing member rigidly attached to said base member and disposed at an angle thereto, the angle between the

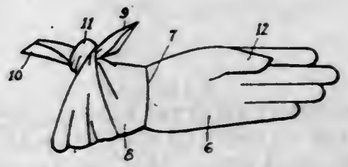


base member and the counterbalancing member bearing a predetermined relation to the particular weight employed, said counterbalancing member, after removal of the weight, being adapted to strip the base member from the coating within a predetermined period of time if the coating is tack-free.

2,406,990
ANTIFUNGUS WRAPPER, ETC.
George C. Borden, Jr., and Karl R. Karlson, Easton, Pa., assignors to Riegel Paper Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 17, 1944, Serial No. 563,988
6 Claims. (Cl. 117—154)

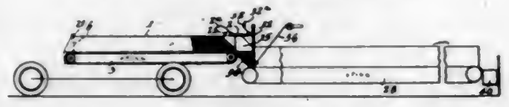
1. An anti-fungus wrapper made of moisture-resistant coated paper, having as an effective high boiling anti-mycotic agent a small percent of a lower dialkyl dichloro succinate incorporated in the coating, said anti-mycotic agent slowly vaporizing over a prolonged period of time.

2,406,991
GAUNTLET GLOVE
Henrietta E. Boyce, New York, N. Y.
Application January 31, 1944, Serial No. 520,390
2 Claims. (Cl. 2—162)



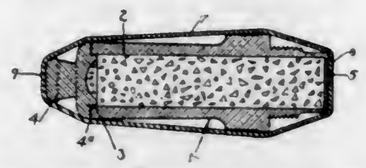
1. A glove provided with a gauntlet cuff extending from the wrist line thereof, said cuff being of a length of the order of the glove length and being provided with a split along substantially its entire length to facilitate the folding of the outer portion of the cuff, said cuff tapering outwardly from said wrist line to such a substantial degree that the free ends of the cuff are adapted to be tied together in a knot to provide a pulse warmer and afford substantial protection against cold, rain and snow.

2,406,992
METHOD AND APPARATUS FOR LOADING AND STORING PINEAPPLES
Bernard J. Butler, San Francisco, Calif., assignor to Maui Pineapple Company, Ltd., Honolulu, Territory of Hawaii, a corporation of Hawaii
Application February 7, 1944, Serial No. 521,372
6 Claims. (Cl. 214—44)



1. The method of loading easily bruisable objects, such as pineapples, gently one upon another into the lading carrying space of a vehicle defined in part by having relatively movable front and rear walls, which consists in first positioning said front and rear walls comparatively close to each other to provide an initial relatively small receiving compartment open at the top for loading the objects from above into the said initial receiving compartment, separating said walls longitudinally of the vehicle to enlarge said compartment and thereby enabling the load to settle down so as to present a depressed upper surface on which other objects may be subsequently deposited, and loading additional ones of said objects from above onto the depressed surface of the load already in the enlarged receiving compartment up to a level substantially uniform transversely of the lading receiving space of the vehicle.

2,406,993
ANTICORROSION PLUG
Milton E. Chandler, New Britain, Conn., assignor to Chandler-Evans Corporation, a corporation of Delaware
Application February 18, 1942, Serial No. 431,401
8 Claims. (Cl. 206—46)



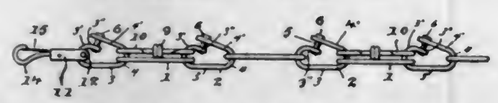
1. The step in preparing for immediate shipment an anti-corrosion plug containing dehydrating material and including an air inlet and a material retaining member, and also having an adhesive connection to said plug requiring a drying period for the adhesive connection to set, which consists in, resiliently wrapping the plug longitudinally for shipment while in the same operation sealing said inlet and holding said member in place during drying.

2,406,994
ALTERNATING CLOTH DOLL AND METHOD OF CONSTRUCTING SAME
Hing F. Chu and Helga M. Chu, Larchmont, N. Y.
Application October 9, 1944, Serial No. 557,816
3 Claims. (Cl. 46—151)



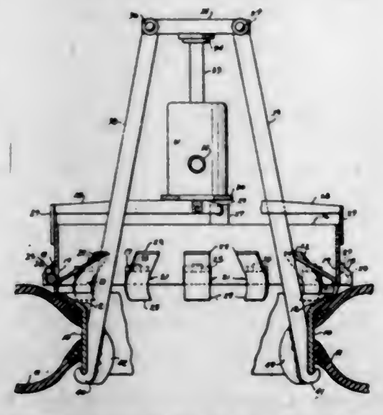
1. A doll of the character described comprising a rectangular blank of fabric rolled forwardly from opposite side edges towards the center of the blank over elongated cores of soft material and knotted in spaced relation to its upper end to provide rolled upper and lower portions divided by the knot, the said upper portion being partially unrolled and folded forwardly and downwardly to dispose its unrolled portion in covering relation to the knot and the upper end of the said lower portion to provide a head of the covered knot and a blouse of the covered upper end of the said lower portion, the rolls of the said upper portion being disposed at opposite sides of the head and blouse to provide a hood for the head and arms for the blouse, and a ribbon tied about the doll under the head to secure the said upper portion in its folded condition and provide a necktie for the doll.

2,406,995
ANTISKID CHAIN
George O. Coates, Washington, D. C.
Application April 7, 1942, Serial No. 438,042
2 Claims. (Cl. 59—85)



1. A chain link comprising a strip of flat metal bent to form a first arcuate end portion, a straight side leg extending from said arcuate portion, a second arcuate portion formed at the opposite end of said leg, a second relatively short straight leg extending outwardly from that end of the first arcuate portion opposite the first leg and in the direction of the second arcuate potrion, a third straight leg extending inwardly from that end of the second arcuate portion opposite the first leg in the direction of the first arcuate portion, said second and third legs having their free ends fixedly disposed in overlapping transversely spaced parallel relation to provide a gap therebetween, the respective overlapping parallel ends having aligned openings therein, and a fastening element removably extending through said openings to bridge the gap.

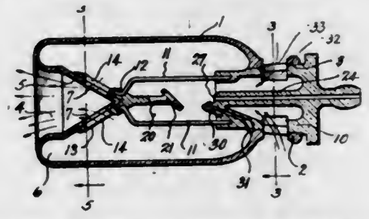
2,406,996
TIRE REMOVING APPARATUS
George F. Colley, Augusta, Ga., assignor to Wade R. Bedingfield, Augusta, Ga.
Application August 1, 1944, Serial No. 547,544
1 Claim. (Cl. 157—6)



A tire tool comprising an annular cylindrical member having a plurality of notches in its lower edge and having an outwardly projecting ear on each side of each notch, an L-shaped dog pivoted intermediate its ends between each pair of said ears and having one end adapted to rest on

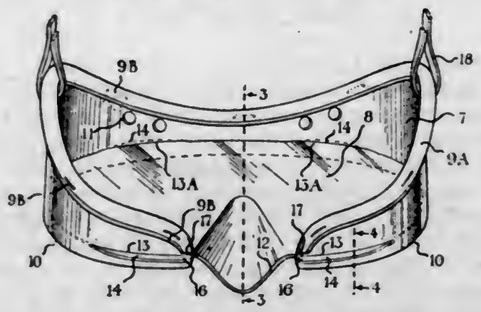
top of a pneumatic casing mounted on a wheel and lying in prone position and the other end of each of said dogs projecting radially inwardly through the notches in said annular member and adapted to engage the inner wall thereof, thus to limit the pivotal motion of said dogs, means disposed above the annular member and having hooks depending therefrom for engaging the lower side of the wheel, and means between the annular member and the member having hooks thereon for forcing the annular member and the member having hooks thereon away from each other to thereby cause the annular member and its L-shaped dogs to move downwardly to force the upper bead of the casing away from the flange of the rim of the wheel.

2,406,997
ATOMIZER
Harold E. Curry, Seattle, Wash.
Application December 26, 1944, Serial No. 569,782
8 Claims. (Cl. 299—88.5)



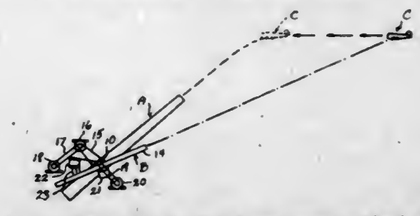
1. An atomizer of the character described comprising a container of flask-like form adapted to contain a supply of liquid to be atomized and forming a chamber in which said liquid may be atomized to produce a fog-like vapor; means in the chamber for the atomization of liquid drawn from the supply, to produce said fog-like vapor; said container having, at one end, an open neck portion for easy draining of the chamber of its supply of liquid and the neck wall having an air port therein, and at its other end, having a wall formed with a discharge port for easy outflow of the fog-like vapor from the chamber, and a stopper rotatably fitted in the neck portion of the container, having a valve passage therein that is movable from and into registration with said neck wall port.

2,406,998
EYESHIELD
Joseph E. Du Bois, Detroit, Mich., assignor, by direct and mesne assignments, of one-fifth to Virginia I. Du Bois, Detroit, Mich., one-fifth to Lauriene T. Holzworth, North Tonawanda, N. Y., one-fifth to Rita C. Sterne, one-fifth to Eileen Silbert, and one-fifth to Florence E. Taylor, all of Buffalo, N. Y.
Application January 22, 1943, Serial No. 473,167
10 Claims. (Cl. 2—14)



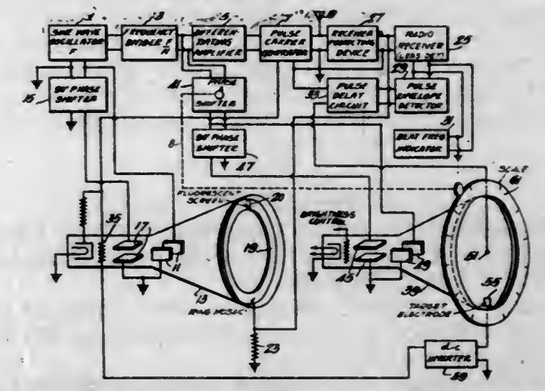
9. In an eye shield of the character described, the combination of a rim member shaped to extend part way about the vicinity of the eyes of the wearer and open at its bottom across the wearer's nose, a one piece lens member of shatterproof transparent material detachably fitted in said rim member with the lower portion thereof bridging the open bottom of the rim member and shaped to fit the contour of the wearer's nose, and means formed in the contiguous portions of the rim and lens members for detachably interlocking said members to each other.

2,406,999
CONTINUOUS RANGE FINDER
Franklin W. Durgin, Washington, D. C.
Application April 23, 1943, Serial No. 484,279
4 Claims. (Cl. 33—49)



1. The combination with a gun rotatable about a given axis, of a range finder mounted for rotation about the axis of rotation of the gun, said range finder provided with a movable distance-indicating element, a single power actuated means for controlling the angular relationship of the gun and range finder substantially in accordance with the amount of power actuating said control means, a source of energy for actuating said control means, a speedometer driven by rotation of the range finder, and plural jointly acting means for varying the amount of energy delivered to said control means including means controlled by said speedometer, means controlled by said movable element, and means responsive to changes in the angular position of the range finder.

2,407,000
RADIO DEVICE FOR INDICATING DOPPLER EFFECT
John Evans, Palmyra, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1941, Serial No. 417,230
10 Claims. (Cl. 250—1)



1. A radio pulse echo system including a source of oscillations, means connected to said source for decreasing the frequency of said oscillations, means responsive to said oscillations of decreased frequency for transmitting pulses of radio frequency energy, an electronic device including a mosaic for storing electronic charges, means including said source of oscillations for applying charges corresponding to the components of said radio frequency energy to said mosaic, a radio

pulse receiver, and means connecting said receiver to said electronic device for releasing said applied charges to derive therefrom currents corresponding to the original components.

2,407,001
SUGAR DERIVATIVES
William C. Griffin, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 16, 1943, Serial No. 494,973
17 Claims. (Cl. 260—209)

1. A process for producing sugar derivatives which comprises heating a sugar containing from 5 to 6 carbon atoms with a compound of the class consisting of glycols with 2 to 3 carbon atoms and the dihydric inter-ethers of said glycols with not more than 6 carbon atoms, in substantially equimolecular proportions, in the presence of a strong mineral acid catalyst, said heating being conducted at a temperature sufficient to cause the reaction mixture to clear and not over about 140° C. and under conditions in which volatile reactants and volatile reaction products are retained in the reaction mixture, and continuing the heating until the reaction substantially reaches equilibrium.

10. As a new composition the reaction product produced by the process of claim 1.

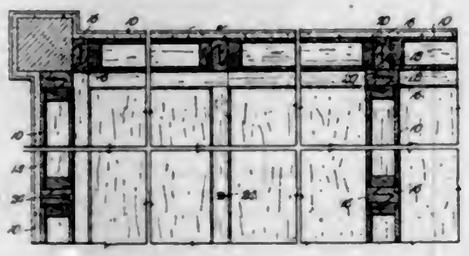
2,407,002
GLYCOL GLUCOSIDES AND DERIVATIVES THEREOF
William C. Griffin, Newport, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 21, 1944, Serial No. 559,843
21 Claims. (Cl. 260—210)

1. The process which comprises heating a sugar containing from 5 to 6 carbon atoms with a dihydric compound of the class consisting of glycols with 2 to 3 carbon atoms and the dihydric inter-ethers of said glycols with not more than 6 carbon atoms, in substantially equimolecular proportions, in the presence of a strong mineral acid catalyst, and under conditions in which volatile reactants and volatile reaction products are retained in the reaction mixture, until an equilibrium is substantially attained, and thereafter continuing the heating of the reaction mixture under conditions permitting the escape of volatile materials until the product contains not more than about 5% of residual sugar.

2,407,003
EMULSIFYING AGENTS PRODUCED FROM GLYCOL GLUCOSIDES AND PROCESS FOR THEIR PRODUCTION
William C. Griffin, Newport, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 30, 1944, Serial No. 561,156
10 Claims. (Cl. 260—210)

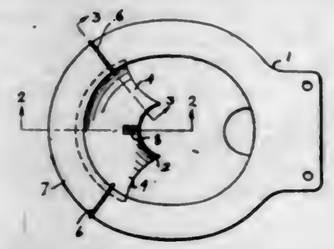
1. The process which comprises heating a sugar containing from 5 to 6 carbon atoms with a dihydric compound of the class consisting of glycols with 2 to 3 carbon atoms and the dihydric inter-ethers of said glycols with not more than 6 carbon atoms, in substantially equimolecular proportions, in the presence of a strong mineral acid catalyst, and under conditions in which volatile reactants and volatile reaction products are retained in the reaction mixture, until an equilibrium is substantially attained; continuing the heating of the reaction mixture under conditions permitting the escape of volatile materials until the product contains not more than about 5% reducing bodies; reacting the last said product with an oxyethylating compound in the ratio of 1 mol of said product to from 4 to 12 mols of the oxyethylating compound to form an oxyethylene ether; and reacting said oxyethylene ether with from 4 to 5 molecular equivalents of oleic acid.

2,407,004
SECTIONAL BUILDING
Emile S. Guignon, Jr., Kansas City, Mo.
Application November 30, 1942, Serial No. 467,303
2 Claims. (Cl. 20—4)



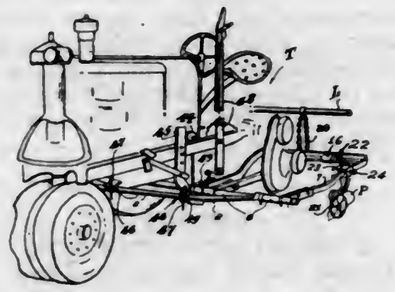
1. In a sectional building of the character described, a plurality of units arranged in edge-to-edge relation to form a wall or the like, an interlocking strip between the proximal edges of the units, said strip comprising a pair of mating members respectively secured to an adjoining pair of units, each of said members being L-shaped in cross section and having a plurality of inclined faces directed toward the unit to which it is secured for interlocking engagement with the faces of the other member to produce a strip having a combined thickness equal to the thickest portion of either member of said pair and equal to the distance between the proximal units, the width of the combined mating members being the same as the thickness of said units, each mating member having an exposed side and a side against a unit, said sides being planar and perpendicular to each other.

2,407,005
ATTACHMENT FOR TOILETS
Joe B. Haley, Houston, Tex.
Application July 27, 1944, Serial No. 546,768
1 Claim. (Cl. 4—231)



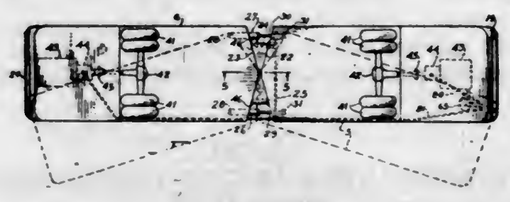
A commode attachment comprising, a baffle which is arcuate from end to end in plan and which is arcuate in cross section from end to end and whose center is elevated, the ends forming discharge chutes which decline each way from the elevated portion, the forward margin of the baffle being shaped to fit against the inside of the front wall of the commode from end to end and the baffle extending rearwardly beyond the commode rim but only part of the way across the commode bowl so as to leave the rear portion of the bowl unobstructed and means for attaching the baffle to the commode.

2,407,006
BUSTER GANG PLOW
Henry Clayton Harris, Pittsburg, Tex.
Application November 30, 1942, Serial No. 467,326
6 Claims. (Cl. 97—47)



1. In combination with a tractor having a pair of driving wheels, an implement attaching frame therefor, comprising a transverse member having a pair of spaced implement carrying frame members extending rearwardly therefrom and hingedly secured thereto, each adapted to enclose one of the drive wheels of the tractor, and hoisting means carried by the tractor for raising and temporarily supporting the transverse member to permit more permanent attachment of the implement frame to the tractor, other supporting means carried by the tractor for subsequently retaining the transverse member in the raised position, and a draw bar member hingedly secured to the transverse member and adapted to be secured beneath the front end of the tractor, and means for adjusting said other supporting means.

2,407,007
ARTICULATED BUS
Knut Henrichsen, Los Angeles, Calif., assignor to North American Aviation, Inc.
Application March 27, 1944, Serial No. 528,205
3 Claims. (Cl. 180—79.2)

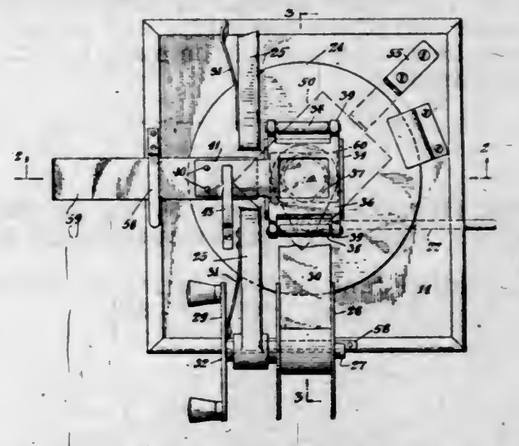


3. In an articulated vehicle wherein at least two sections are interconnected together by a single pivotal connection located substantially at the longitudinal centerline of the sections, and wherein each section is supported on a pair of wheels, steering means for the vehicle including actuating devices interconnecting each of the respective sections and effective to change the angularity of the sections relative to each other in accordance with the selected direction of travel, including cylinder and piston elements interconnecting such sections, the cylinder being operatively connected to one of said sections and the piston being operatively connected to the other of said sections, a fluid pressure supply source, and a valve mechanism including a moveable valve member and a housing, manual means for operating said valve member to supply fluid pressure to the pistons, and means acting in response to the relative movement of the sections for moving the valve housing to offset the movement of said valve member by the manually operated means.

2,407,008
RECOVERY OF VANADIUM
Arthur W. Hixson, Leonia, N. J., and Ralph Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, a corporation of Delaware, as trustee
No Drawing. Application July 12, 1940, Serial No. 345,104
2 Claims. (Cl. 204—90)

1. The process of recovering vanadium as vanadophosphate from vanadium-containing phosphoric acid solutions consisting in electrolyzing such solutions at about 25° C. and an acid concentration of about 65% phosphoric acid to form a vanadium-containing solid at the anode, and separating such solid from the acid solution.

2,407,009
MICROFILM VIEWER
John K. Holbrook, New York, N. Y., assignor to Micropat, Inc., New York, N. Y., a corporation of Delaware
Application August 16, 1943, Serial No. 498,804
3 Claims. (Cl. 88—24)

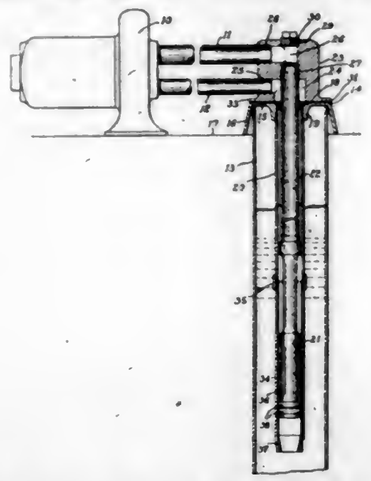


1. A micro-film viewer including in combination a lens mount, a plate having an elongated slot pivotally and laterally movable on said mount, a pressure plate alined with the lens axis, an apertured member above and resiliently urged towards said plate, means for leading the film towards and away from said pressure plate and between said pressure plate and member whereby tension on the film lifts the member and film from the pressure plate, said slotted plate having the pressure plate, member and film leading means secured to it whereby movement of the slotted plate similarly moves the film relatively to the lens.

2,407,010
ADAPTER HEAD FOR WELLS
Lester C. Hudson, Big Prairie, Ohio
Application August 8, 1945, Serial No. 609,514
10 Claims. (Cl. 103—5)

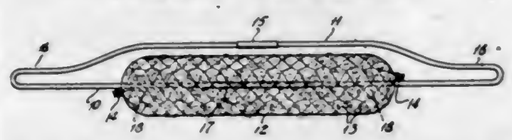
1. In combination with a pump having a suction pipe and a pressure pipe, and a well having an outer pipe within the well and an inner pipe within the outer pipe and a jet unit upon the lower end of the inner pipe forming a seal between the lower end of the inner and outer pipes and providing a flow passage between the inner and outer pipes to the jet unit, an adapter head comprising a base member located upon the ground at the top of the well, an internally screw threaded portion in said base member into which the upper end of the outer pipe is screwed, an upper member detachably connected to the base member, and having a passage therein communi-

cating with the upper end of the outer pipe, means connecting the pressure pipe of the pump to said passage, an internally screw threaded portion in said upper member into which the upper



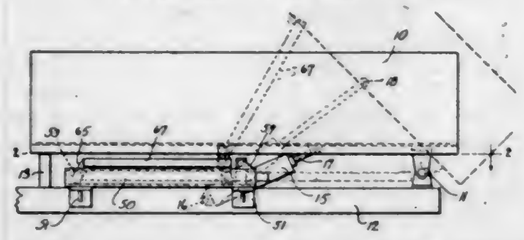
end of the inner pipe is screwed, there being a passage in the upper member communicating with the upper end of the inner pipe and means connecting the suction pipe of the pump to said last named passage.

2,407,011
HAIR ROLL
William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application June 30, 1945, Serial No. 602,580
2 Claims. (Cl. 132—55)



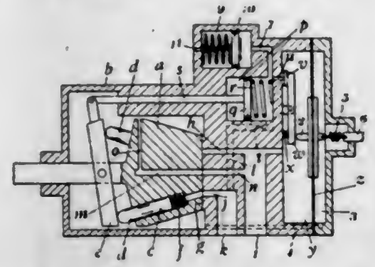
2. A hair roll comprising a length of wire formed in elongated loop-shape with the ends of the wire connected together, a roll of batting mounted on the middle portion of one arm of the wire loop, means for anchoring the roll intermediate its ends to said arm, and an envelope of netted material encasing the roll of batting, said wire loop having end portions that extend outwardly from the ends of the roll of batting and that are freely bendable at any point throughout their length.

2,407,012
SAFETY DEVICE FOR DUMP TRUCKS
Archibald D. L. Hutchinson, Seattle, Wash.
Application March 1, 1944, Serial No. 524,551
9 Claims. (Cl. 298—22)



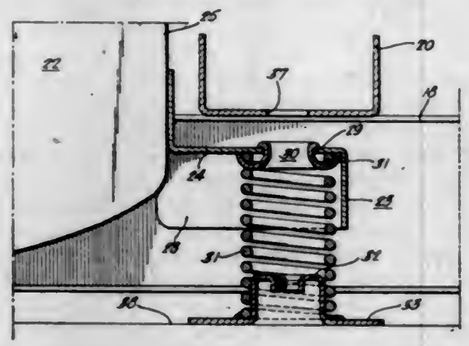
1. In combination, a supporting frame structure, a dump body mounted on the frame structure, powered mechanism for effecting the raising, lowering and holding of the body in a raised position, a manually movable member for controlling the operation of the powered mechanism and movable to different positions to effect the raising, lowering or holding of the body, and a safety supporting mechanism for the body, comprising a ratchet bar and pawl, means causing their relative movement upon raising and lowering the body, a device normally holding the pawl disengaged from the ratchet having operative connection with the said manually movable member for releasing the pawl incident to the positioning of the said manually movable member in position to effect the body lowering operation by the powered mechanism.

2,407,013
FUEL PUMP GOVERNOR
Richard Joseph Ifield, Ealing, London, England, assignor to Joseph Lucas Limited, Birmingham, England
Application November 15, 1944, Serial No. 563,587
In Great Britain October 15, 1942
2 Claims. (Cl. 121—38)



1. Governing means of the kind specified, having in combination a fluid pressure responsive member, a main chamber containing said member, a passage for admitting an unrestricted supply of pressure fluid to said main chamber at one side of said member, a restricted passage for admitting pressure fluid to said main chamber at the other side of said member, a pressure-fluid release valve situated at the side of said main chamber to which pressure fluid is admitted through said restricted passage, and a variable-volume chamber arranged in communication with the release valve side of said main chamber to permit movement of said member in response to a pressure change independently of said valve.

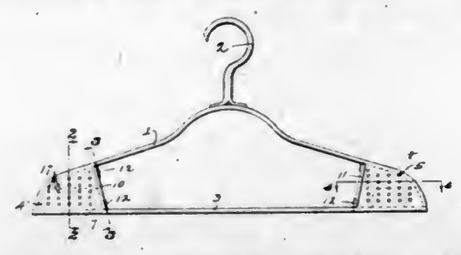
2,407,014
REFRIGERATOR MOTOR-COMPRESSOR MOUNTING
Welton Paul Jones, Rydal, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 6, 1943. Serial No. 509,283
10 Claims. (Cl. 248—21)



1. In a refrigerator, a frame structure, a motor-compressor unit adjacent said frame structure, and means interconnecting said frame structure

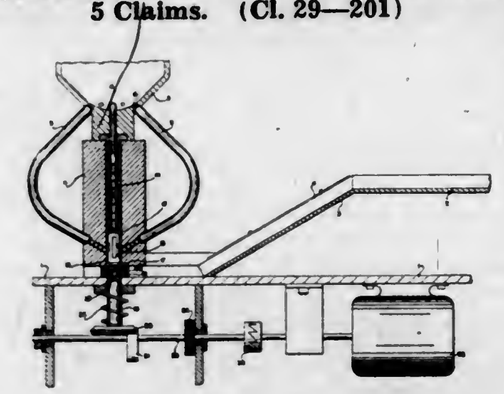
and unit to secure the latter to said frame structure, said means being operative when released to disconnect and vibrationally isolate the unit from said frame structure.

2,407,015
COAT HANGER
Harrison O. Joseph, Los Angeles, Calif.
Application August 4, 1944, Serial No. 548,071
4 Claims. (Cl. 223—86)



3. A garment hanger comprising: a supporting bar, pockets formed at the extremities of and extended below said bar in the direction of each other, and a second bar cross connecting the extremities of the supporting bar, said bars forming the upper and lower walls of said pockets and perforated side walls connecting said bars for defining the lateral margins of the pockets, and closures detachably mounted at adjacent ends of said pockets for affording access thereto.

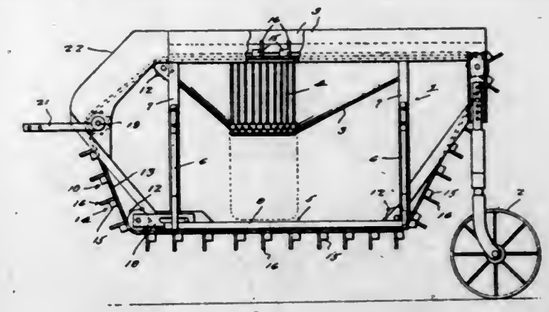
2,407,016
BALL LOADING MACHINE
Frank B. Kalister, Cleveland, James O. Stafford, Painesville, and Frank J. Konyvka, Maple Heights, Ohio, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application April 30, 1945, Serial No. 591,132
5 Claims. (Cl. 29—201)



1. A ball loading machine comprising a ball loading chamber, a hopper feed for supplying balls to said chamber in radial directions thereabout, means for feeding ball cage and bearing race sub-assemblies one at a time to a station adjacent said loading chamber, and means for moving said cages out of said bearing races into said loading chamber with a longitudinal and rotary motion so as to bring said cages into proper registry with said ball feeding means.

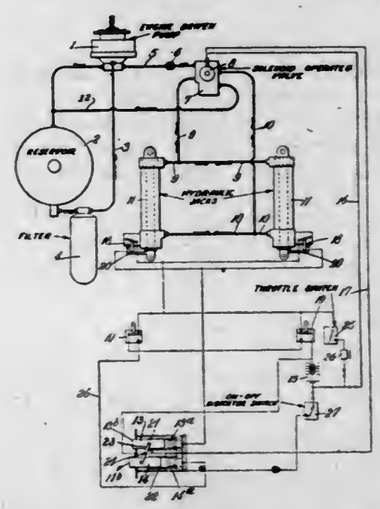
2,407,017
POTATO SACKER
Herman L. Keller, Decherd, Tenn.
Application October 5, 1943, Serial No. 505,080
1 Claim. (Cl. 55—51)

A unitary potato screening and sacking trailer attachment for a potato digging and elevating machine, comprising an elongated rigid frame, wheeled supporting means for the rear end of the frame, a hopper mounted in the upper portion of said frame and including an intermediate portion in the form of a laterally inclined screening discharge chute, an endless screening conveyor carried by the frame and guided for travel to provide a flight moving upwardly and rearwardly at the front of the frame, a flight moving rearwardly and horizontally over the hopper, a flight moving downwardly at the rear of the frame, and a flight moving forwardly and horizontally at the bottom of the frame in spaced



relation to and below the hopper, means to hitch the front end of the frame to the rear of the potato digging and elevating machine to be drawn and supported by the latter, means at the front of the frame to facilitate driving the conveyor, running boards along the sides of the frame near the bottom of the latter and at opposite sides of the last named flight to accommodate sacks and workmen, and means to support a sack in position on one of the running boards to receive potatoes from the discharge chute.

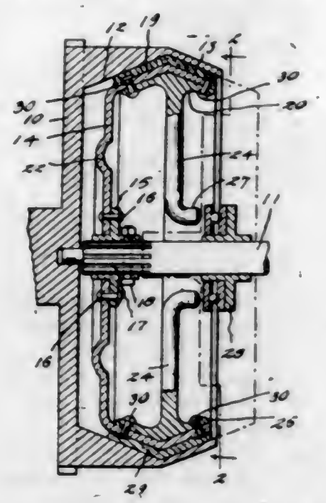
2,407,018
FLUID-ACTUATED CONTROL SYSTEM
Donald MacKenzie, Cheltenham, England, assignor to Dowty Equipment Limited, Cheltenham, England
Application June 30, 1941, Serial No. 400,539
In Great Britain October 15, 1940
9 Claims. (Cl. 177—311)



1. Control means for an operating system incorporating two cooperating jacks and jack operating means, comprising means operable to control simultaneous movement of both jacks, terminal position indicator means, means operable only by movement of both jacks into a terminal position to energize said terminal position indicator

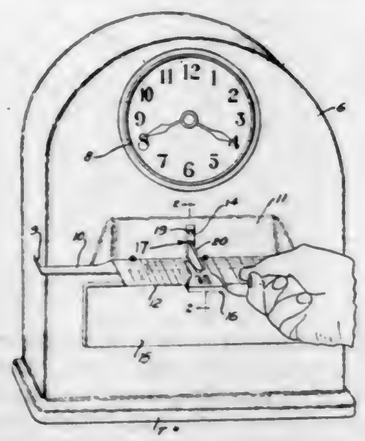
means, intermediate position indicator means, means operable during such time as either jack is in a position intermediate its fully extended position and its fully retracted position to operate said intermediate position indicator means, and means operable by movement of both jacks into terminal positions to deenergize said intermediate position indicator means.

2,407,019
CLUTCH
J. Edward Kostur, Amarillo, Tex.
Application June 17, 1943, Serial No. 491,201
4 Claims. (Cl. 192—75)



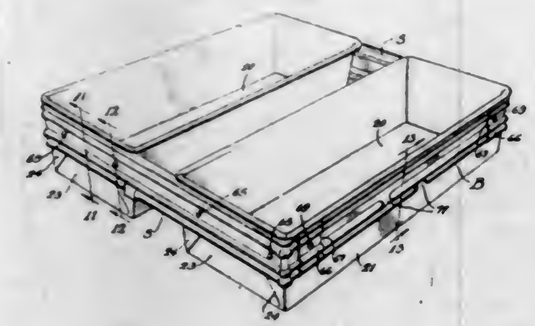
1. A clutch comprising inner and outer coefficient members, the inner member consisting of a flexible plate provided with a peripheral portion adapted to engage the inner side of the outer member, said peripheral portion being formed with transverse slots dividing the same into segments, said slots extending radially into the plate whereby to weaken the plate and permit flexibility thereof, and means operative against the said inner member adapted to flex the same in order to effect a disengagement of the peripheral portion from the outer member.

2,407,020
TIME RECORDER ATTACHMENT AND CARD GUIDE
William A. Kraus, Richmond, Va.
Application June 6, 1945, Serial No. 597,842
6 Claims. (Cl. 234—43)



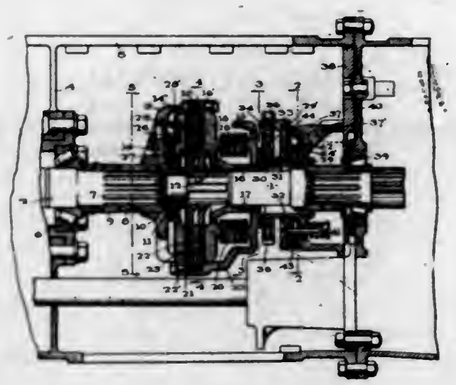
1. In combination, a time recording device having a card-receiving slot and an indicator in fixed relation to the recording mechanism, a projection on said indicator, and a guide adapted for being detachably mounted on a card for slidably engaging said projection to position the card endwise when the card is inserted sidewise into said slot.

2,407,021
MULTIPLE BAKING PAN
Adrien L. Langel, Chicago, Ill., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 4, 1943, Serial No. 512,877
1 Claim. (Cl. 220—23.2)



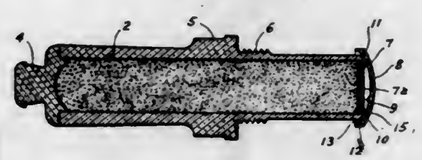
A baking pan set consisting of a plurality of aligned pans having at the wall edges thereof wires forming beads around which certain of the wall edges are curled and then depended in the form of skirts lying adjacent the exterior of the pan walls, the pan walls including an exteriorly disposed wing to the inside of each skirt, a strap extending lengthwise of the pan set along the outside of the skirts, and fastening devices piercing the strap, skirts and wings and interconnecting said strap, skirts and wings in a straight line, said strap being formed longitudinally with a narrow central web in flat engagement with the pan walls and a pair of outwardly extended ribs below the web in engagement with the pan walls in two separated substantially parallel lines of contact, and a second pair of outwardly extended ribs above the web also in engagement with the pan walls in two other separated substantially parallel lines of contact, the central web of narrow width affording the only surface of substantial area in engagement with the pan walls and the connections with the several pans being confined to this same area, the strap being turned substantially at right angles near its two ends to provide ears for partially overlapping the outer sides of the end pans, and a pair of bands extended along opposite sides of the end pans, each formed longitudinally with a narrow central web in flat engagement with the pan walls and a pair of outwardly extended ribs below the web in engagement with the pan walls in two separated substantially parallel lines of contact and a second pair of outwardly extended ribs above the web also in engagement with the pan walls in two other separated substantially parallel lines of contact, said bands being outset in their end regions for overlap with the strap ears and secured to the same in meshing engagement therewith, the narrow web and line contacts of the strap and bands providing minimum contact between the pans and the strap and bands and preventing temperature lag in the pans when the latter are subjected to heat.

2,407,022
MULTIPLE DISK ENERGIZING CLUTCH
Homer T. Lambert, St. Joseph, Mich., assignor to Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan
Application October 30, 1944, Serial No. 561,128
8 Claims. (Cl. 192—54)



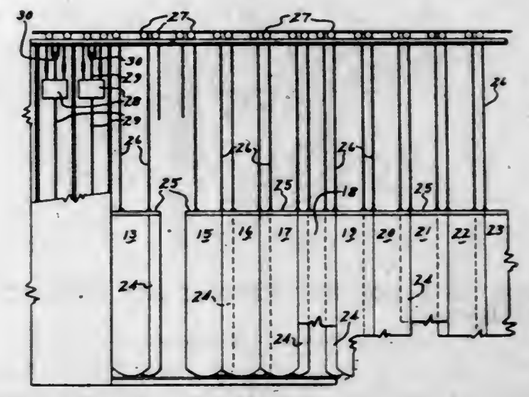
1. Clutch mechanism of the class described comprising a driving shaft, a driven member, a rotary disk carried by said driving shaft, a primary disk contiguous to said rotary disk, a relatively stationary secondary plate journalled on said driving shaft at one side of said disks, a power plate secured to the driven member at the opposite side of said disks and connected to the secondary plate, and spring-actuated means coacting with said secondary plate and fixedly connected with the primary disk for effecting frictional engagement of the primary disk with the rotary disk to operate the driven member from said driving shaft through the power plate.

2,407,023
ANTICORROSION PLUG
Harry A. Lockwood, Meriden, Conn., assignor to Chandler-Evans Corporation, a corporation of Delaware
Application June 25, 1942, Serial No. 448,443
4 Claims. (Cl. 215—37)



1. A sealable container comprising a casing member of plastic material having an aperture therein and a sharp-edged peripheral surface surrounding said aperture, and a closure member of said material having a greater diameter than said peripheral surface and a concave surface disposed toward said aperture, said surfaces permitting a limited angularity of the axes of said members while a continuous, substantially circular line contact is maintained therebetween, said members being adapted when placed in contact and upon the application of a solvent for said material to the contacting surfaces thereof to dissolve slightly in said solvent so that upon evaporation of said solvent, a narrow, easily frangible annular sealing connection is formed between said casing and closure members.

2,407,024
THEATER CURTAIN
Bernard H. Lohmuller and Genevieve W. Lohmuller, North Hollywood, Calif.
Application August 17, 1944, Serial No. 549,886
23 Claims. (Cl. 160—126)



2. In a composite theatre curtain, a plurality of curtain panels, means to raise and lower each panel independently of the others, and means to limit the raising and lowering, respectively, of each of said panels.

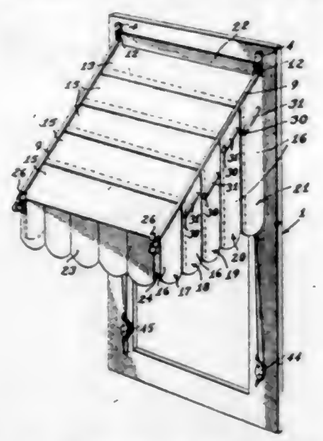
2,407,025
WALL SURFACE SHEET OR TILE
Daniel C. Luse, Chicago, Ill.
No Drawing. Application September 28, 1945, Serial No. 619,249
3 Claims. (Cl. 18—47.5)

1. The method of producing a sheet or tile for use as a wall surface, said sheet or tile being rigid, porous, dry and compressed, said method comprising combining approximately 9 parts by weight of finely divided magnesite, approximately 1¼ parts by weight of finely divided clay, approximately 1¼ parts by weight of finely divided silica, approximately 1 part by weight of finely divided chalk, and approximately 24 parts by weight of 17° to 21° Baumé magnesium chloride water solution, mixing the resultant mass for providing a mineral binder, introducing into the mineral binder approximately 12 parts by weight of wood excelsior, mixing the resultant mass, molding the resultant mass, subjecting the molded mass to the action of pressure of approximately 300 to 500 pounds per square inch to increase the density of the mass, allowing the mass to remain without handling for about 5 to 6 hours so that the chemical reaction between the magnesite and the magnesium chloride will produce sufficient heat to harden the mass so that it may be handled without breakage, and then drying the mass.

2,407,026
AWNING
Herman Mashmeyer, Jacksonville, Fla.
Application June 13, 1945, Serial No. 599,243
7 Claims. (Cl. 160—62)

1. An awning comprising a plurality of relatively flat, slidably connected sections, a frame member on which said sections are supported, a strip overlying the sections, and means for moving said sections relative to each other and

along said frame member and beneath said strip, from a position wherein the sections are ex-

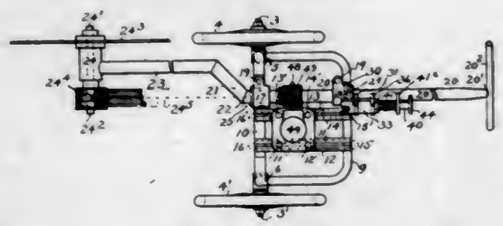


tended, to a position wherein the sections are superimposed.

2,407,027
MANUFACTURE OF CREAM SUBSTITUTES
Reginald Dean Mason, Richmond, and Aage Christian Justesen, Heston, England
No Drawing. Application January 5, 1943, Serial No. 471,387. In Great Britain November 18, 1942
10 Claims. (Cl. 99—63)

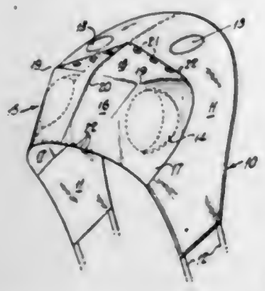
1. The method of making a whippable cream substitute, comprising the steps of preparing an aqueous serum containing edible vegetable flour which is a member selected from the group consisting of glycinae and graminosae, and further containing as stabilizing agent an added ionizable salt of a tribasic acid, preparing a fat base which is a member selected from the group consisting of edible vegetable fats and oils and edible animal fats and oils, injecting said fat base in fine jets into said serum under a pressure of the order of 200 kilograms per square centimeter, and pasteurizing the emulsion thereby produced.

2,407,028
PORTABLE TIMBER CUTTING SAW APPARATUS
Edmond Carlton McLean, Palatka, Fla.
Application September 19, 1945, Serial No. 617,350
2 Claims. (Cl. 143—43)



2. In a portable timber cutting saw apparatus having a driven circular saw assembly unit and a motor mounted on the frame to operate the saw of said unit, a saw supporting and positioning means comprising two approximately parallel members spaced a considerable distance apart, an angularly disposed member integrally connecting said parallel members beyond the forward part of said machine frame, one of said parallel members comprising an elongated shaft journaled fore and aft on said frame, and the other parallel member being laterally off-set from said elongated member and supporting the driven circular saw assembly unit at its forward end, comprising a saw, saw arbor, and means to drive said saw by said motor, the center of the driven means on the arbor being disposed approximately in line with the axis of the first parallel member, means to turn said off-set parallel member and thereby oscillate said saw assembly to different angular positions, and means to lock said off-set parallel member and said saw assembly against oscillation.

2,407,029
HORSE EYESHIELD
Kent Miller, Aiken, S. C.
Application November 5, 1943, Serial No. 509,100
2 Claims. (Cl. 54—80)



1. A horse eye shield comprising a fabric hood adapted for attachment to a horse's head in the region of the eyes, and a sheet of transparent plastic material secured along its upper and lower edges to the hood, said plastic sheet being shaped to form a relatively flat front portion covering both eyes and spaced outwardly therefrom, a top portion and rearwardly curved lateral wings, said wings being free from attachment to the hood to prevent clouding of the shield.

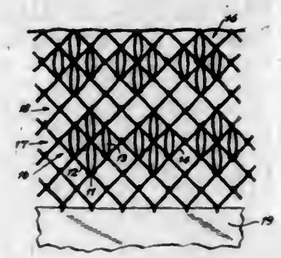
2,407,030
RAZOR
William L. Mills, Waco, Tex.
Application October 6, 1944, Serial No. 557,440
4 Claims. (Cl. 30—62)



3. A razor comprising a cap plate, a guard plate having an opening, a handle, said cap plate being provided with a threaded member disposed through the guard plate into the handle, said guard plate being provided with an inwardly curved guard bar and a neck member connected to the intermediate portion of the bar to the guard plate.

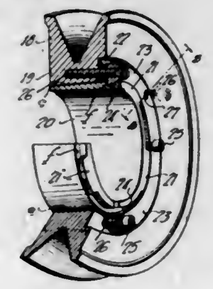
2,407,031
KNOTTED NEEDLEWORK WITH TIED LOOPS
Rosaria Forlano Morcaldi D', East Boston, Mass.
Application May 17, 1945, Serial No. 594,344
5 Claims. (Cl. 87—11)

1. An article of manufacture from a single, continuous strand consisting of a foundation needlework of tightly knotted meshes forming open squares, and loops within certain of the



squares secured between opposite knots in such squares.

2,407,032
SHEAVE MOUNTING
Bernard L. Myers, Dallas, Tex.
Application August 20, 1943, Serial No. 499,342
5 Claims. (Cl. 287—52.06)

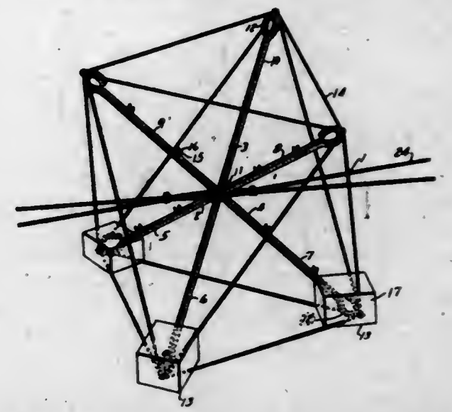


3. A sheave and mounting including a body having an inseparable hub provided with a conical bore, a single piece, split sleeve having a substantially thin wall and a tapered exterior disposed in said bore, circumferentially spaced segments on one end of said sleeve, a flange ring connected to an extended end of said sleeve, a series of spaced lugs on said flange ring for interlocking engagement with the segments of said sleeve and means for moving said flange ring in relation to said hub to effect corresponding movement and resultant contraction and expansion of said sleeve.

2,407,033
CATALYTIC ALKYLATION PROCESS
Arlie A. O'Kelly, Woodbury, and Julius Plucker, III, Pitman, N. J., and Robert H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application December 10, 1943, Serial No. 513,720
16 Claims. (Cl. 260—683.4)

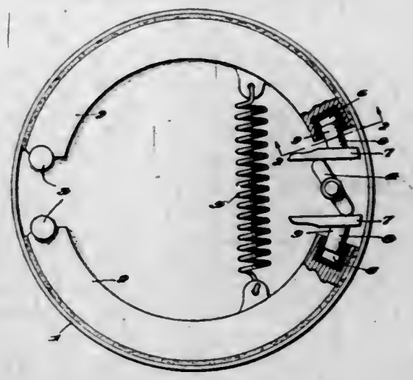
9. The process of alkylating a paraffinic hydrocarbon with an olefinic hydrocarbon, which comprises contacting said paraffinic hydrocarbon with said olefinic hydrocarbon, in gaseous phase and in a reaction zone under alkylating conditions including temperatures varying between about 590° F. and about 850° F., and pressures upwards of 500 pounds per square inch, in the presence of an organic cyclic oxygen compound wherein oxygen is part of the ring, which forms with said paraffinic hydrocarbon and said olefinic hydrocarbon, a single homogeneous gaseous phase under said alkylating conditions, and maintaining said paraffinic hydrocarbon in excess over said olefinic hydrocarbon in said reaction zone so that alkylation is the principal reaction.

2,407,034
JETTY WITH STABILIZER
George W. Rehfeld, Manhattan, Kans.
Application September 4, 1943, Serial No. 501,244
5 Claims. (Cl. 61—3)



1. A jetty including a plurality of rod-like members arranged in crossed relation and having curved terminals, bearing means for supporting the jetty, and means connecting the bearing means with the curved terminals of the rod-like members.

2,407,035
BRAKE SHOE
William T. Rossell, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application January 22, 1945, Serial No. 573,832
4 Claims. (Cl. 188—1)

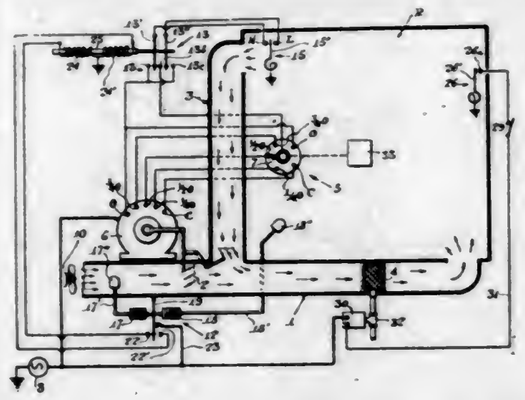


1. The combination of a vehicle brake comprising a fixed and a relatively movable friction element, brake applying means operable to apply said movable element to said fixed element, means for retracting said movable element from said fixed element, and thermally responsive means interposed between said brake applying means and said movable element operative upon the attainment of a predetermined temperature of said movable element to cause the operation of said retracting means and also to prevent reapplication of the brake by said applying means.

2,407,036
AIR-CONDITIONING CONTROL
Earl R. Snavely, Roselle, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application August 21, 1942, Serial No. 455,564
22 Claims. (Cl. 257—3)

22. The method of conditioning the air within an enclosed space which comprises adjustably admitting outside air at predetermined minimum

rates dependent upon the relative occupancy of the space, and controlling the admission of further outside air at varying rates depending on the



inside temperature and on whether the outside temperature is above or below the inside temperature.

2,407,037
LUBRICANT AND PROCESS OF LUBRICATING SURFACES THEREWITH
Frank J. Sowa, Cranford, N. J.
No Drawing. Application October 21, 1939, Serial No. 300,555
6 Claims. (Cl. 252—53)

1. The method of lubricating relatively moving metallic surfaces which comprises maintaining between the bearing surfaces a lubricant film comprising a hydrolysis product of an organic silicane.

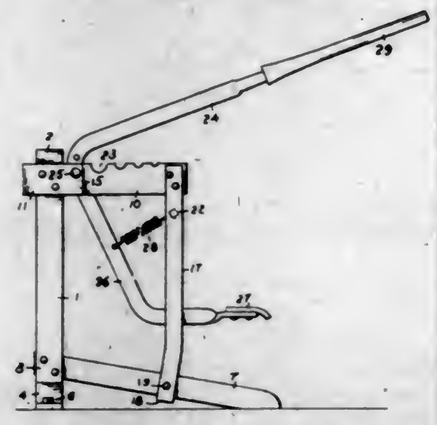
2,407,038
ADHESIVE
Paul Stamberger, Dover, Del.
No Drawing. Application January 11, 1943, Serial No. 472,021
18 Claims. (Cl. 260—23)

1. A composition of matter comprising polymerized 2-chloro-butadiene 1,3, and from about 5% to about 70% (based on the content of said butadiene material) of a preformed, vulcanized, thermoplastic, sticky, oil-resin mix having from about 5% to about 20% of sulfur, a rosin, and a long chain unsaturated fatty oil, the rosin component comprising from about 10% to about 60% of the mixture of oil and resin and the fatty oil component constituting the balance thereof, said composition being characterized by a high degree of surface tack and adhesive strength.

2,407,039
MANUFACTURE OF VINYL CHLORIDE
Herbert Muggleton Stanley, Tadworth, England, assignor to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application September 23, 1942, Serial No. 459,441. In Great Britain July 1, 1941
5 Claims. (Cl. 260—656)

1. A process for the manufacture of vinyl chloride which comprises passing acetylene and hydrogen chloride into a suspension of active carbon impregnated with mercuric chloride in an inert diluent, selected from the group consisting of hydrocarbons and chlorinated hydrocarbons which are liquid between 120° and 150° C. and which do not dissolve mercuric chloride, which inert diluent is maintained at a temperature between 120° and 150° C.

2,407,040
CABLE STRAIGHTENER
Angelo Taramaschi, San Carlos, Calif.
Application July 18, 1944, Serial No. 545,478
1 Claim. (Cl. 153—39)



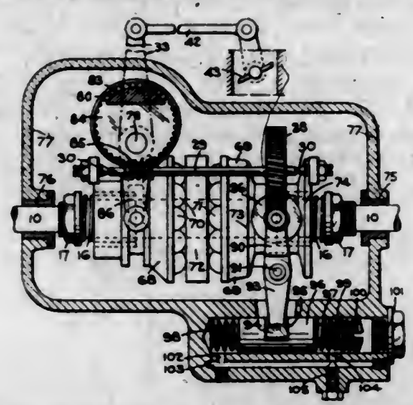
A cable straightener comprising a supporting tripod having an upright standard; a pair of stationary jaws composed of a length of rigid material bent back upon itself, offset laterally and having converging end portions, with said standard fixed between said bent back portions; a U shaped leg looped around a foot of said tripod and attached to the opposite ends of said jaws respectively; a lever pivoted between said jaws adjacent said offset portions; and a lower extension of said lever, guided in said leg and having a foot treadle thereon.

2,407,041
INSECTICIDE
Benjamin H. Thurman, Charlotte, N. C., assignor, by mesne assignments, to Benjamin Clayton, Houston, Tex., doing business as Refining, Unincorporated
No Drawing. Application October 10, 1941, Serial No. 414,519
6 Claims. (Cl. 167—15)

1. An insecticide of the stomach poison type consisting essentially of an aqueous dispersion of a crude vegetable oil phosphatide and a stomach poison comprising a finely divided slightly water soluble compound selected from the group consisting of arsenates and arsenites of polyvalent metals, the proportions of phosphatide and polyvalent metal compound ranging between approximately 1 part phosphatide and 2 to 8 parts polyvalent metal compound.

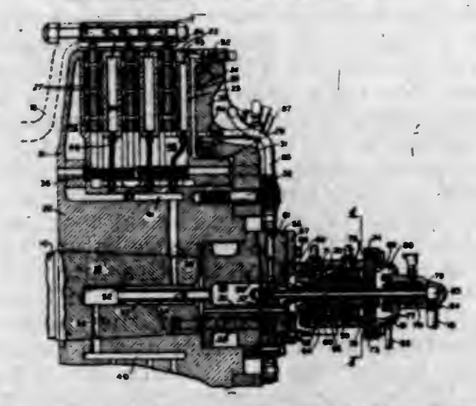
2,407,042
GOVERNING GEAR FOR ENGINES AND OTHER MACHINES
Frank John Tippen, Coventry, England, assignor to Leonard Pelham Lee, near Stratford-on-Avon, England
Application November 7, 1942, Serial No. 464,899
In Great Britain December 23, 1941
13 Claims. (Cl. 264—3)

3. Governing gear for engines or machines comprising a pair of governor sleeves, driving means for said sleeves actuated by the engine or machine, centrifugal means for displacing said sleeves endwise during increases of speed of the engine or machine, loading means acting on said sleeves in opposition to said displacements, a regulator for the engine or machine, actuating means connecting one of said governor sleeves to the regulator, correcting means for said actuating means, and a coupling operating between the other governor sleeve and said correcting means, said coupling being engaged when said one governor sleeve is displaced to either side of the normal position, said coupling operating to drive the correcting means in one direction when said



one governor sleeve is moving endwise in one direction, and to drive the correcting means in the opposite direction when said one governor sleeve is moving endwise in the opposite direction, said coupling including a resilient member.

2,407,043
AIR OPERATED CLUTCH
Guglielmo R. Tremolada, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application July 5, 1944, Serial No. 543,546
11 Claims. (Cl. 192—85)



1. In a power device of the character described, the combination of: a shaft member; an outer member in turning relation to said shaft member and having an outer cylindric wall projecting therefrom toward the end of said shaft member; an inner cylindric wall member fixed on said shaft member within said outer wall member; an inner flange extending from the inner end of said inner wall member toward said outer wall member; an assembly of first and second annular friction plates disposed around said inner wall member in alternate order, said first plates being connected to said inner wall member and said second plates being connected to said outer wall member but having axial movement relatively thereto, the outer of said plates having an inner cylindric wall with an outwardly presented cylindric surface and an outer cylindric wall with an inwardly presented cylindric surface so as to form an annular recess in its outer face; an outer flange fixed on said shaft member and having an annular piston in said annular recess, said piston having an outer cylindric wall with an inwardly presented cylindric surface confronting said outwardly presented surface of said outer plate and an outwardly presented cylindric surface confronting said inwardly presented cylindric surface of said plate, to form in said recess an annular pressure chamber; and means to apply fluid pressure to said chamber to force said assembly of friction plates toward said inner flange.

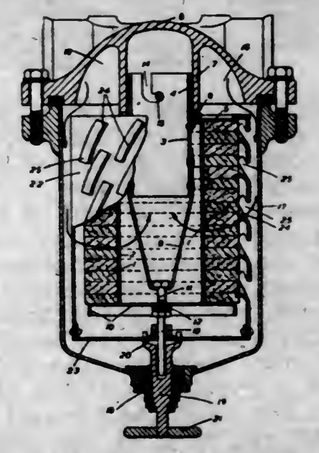
2,407,044
MANUFACTURE OF PHENOLS
Daniel Tyrer, Stockton-on-Tees, England
No Drawing. Application April 6, 1943, Serial No. 482,065. In Great Britain March 31, 1942
5 Claims. (Cl. 260—628)

1. A process for the manufacture of phenols which comprises, preparing a solid mixture of a salt of the mono-sulphonic acid corresponding to the phenol desired and an inorganic base which is infusible at temperatures up to 420° C., and is capable of forming with sulphur dioxide a sulphite stable at such temperatures, and producing the phenol by subjecting the solid mixture to a temperature ranging from 370–420° C. while passing therethrough steam free from acidic gases.

2,407,045
MANUFACTURE OF PHENOLS OR SALTS THEREOF
Daniel Tyrer, Stockton-on-Tees, England
No Drawing. Application July 8, 1943, Serial No. 493,924. In Great Britain August 13, 1942
6 Claims. (Cl. 260—628)

1. A process for the manufacture of phenols or salts thereof which comprises, preparing an intimate solid mixture of an alkali metal salt of the sulphonic acid corresponding to the phenol desired, a caustic alkali in substantially the theoretical quantity and an additional particulate solid substance selected from the group consisting of the oxides and hydroxides of calcium, barium, strontium and magnesium, in such a proportion, comprising at least 2 per cent to about 30 per cent of the weight of the sulphonic acid salt, that during the subsequent heating operation the reaction mixture does not froth or swell and remains in a substantially solid condition, and then heating the said solid mixture at a temperature ranging from 350 to 400° C. to cause the sulphonic acid salt and caustic alkali to undergo reaction.

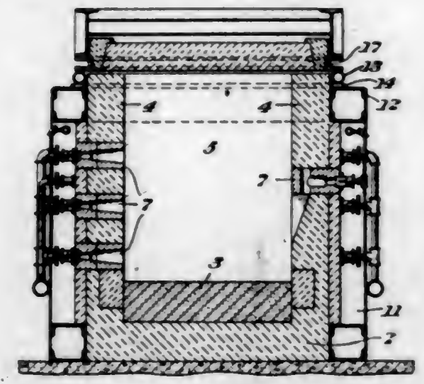
2,407,046
READILY CLEANABLE FILTER
Cecil Gordon Vokes, London, England
Application March 15, 1944, Serial No. 526,571
In Great Britain January 27, 1943
6 Claims. (Cl. 210—167)



1. A filter comprising a casing, a hollow cylindrical filter element in said casing, a cage

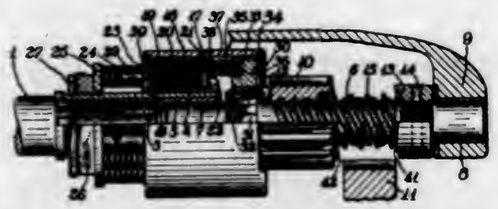
formed of resilient material in said casing, surrounding said element in spaced relation thereto, and having scraper blades struck inwardly from its surface to form scraper edges resiliently engaging the outer surface of said element, each edge forming a section of a helix about the common axis of said element and cage, and means operable externally of said casing to effect relative rotation of said cage and element.

2,407,047
FURNACE CLOSURE
Carl H. West, St. Clairsville, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application October 20, 1944, Serial No. 559,501
5 Claims. (Cl. 266—31)



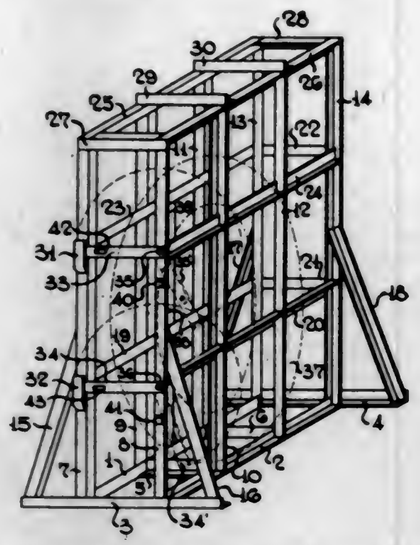
1. A closure for a furnace having an opening and a cover for the opening comprising a pipe extending about the opening and disposed radially outside a portion of the furnace defining the opening and engaging the furnace and positioned to be engaged by the cover to close the opening when the cover is in place and means for cooling the pipe from the interior thereof.

2,407,048
ENGINE STARTER DRIVE
Maurice P. Whitney, James E. Buxton, and Donald L. Miller, Chemung County, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 27, 1944, Serial No. 560,604
6 Claims. (Cl. 74—7)



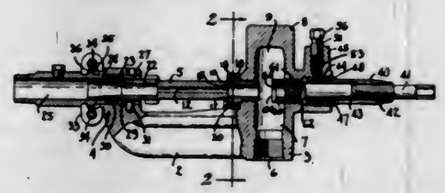
1. In an engine starter drive a power shaft, an externally splined sleeve fixed thereon, a screw shaft slidably journalled at one end in the sleeve, a pinion threaded on the screw shaft for longitudinal movement into and out of mesh with a gear of an engine to be started, a stop nut fixed on the screw shaft defining the operative position of the pinion, a coupling member fixed on the screw shaft and means for frictionally connecting the coupling member to rotate with the sleeve including a barrel member splined on the coupling member, a plurality of clutch plates splined alternately to the sleeve and barrel, said sleeve having a fixed abutment at one end, a pair of nuts adjustably threaded on the opposite end of the sleeve a deformable washer between the nuts slidably but non-rotatably mounted on the sleeve, and spring means between said nuts and clutch plates for compressing the clutch plates against said abutment.

2,407,049
TIRE INFLATION GUARD
Nathan Winarsky and Benjamin Winarsky, Newark, N. J., assignors to Belmont Body Builders, Newark, N. J., a partnership
Application August 9, 1945, Serial No. 609,894
5 Claims. (Cl. 109—49.5)



1. A tire inflation guard for preventing accidents during truck tire inflation, comprising a base for positioning a truck wheel holding a tire, at least four rigid heavy metal upright supports circumscribing the space occupied by the tire and fixed solidly to the base, a top section fastened to the supports, rigid heavy metal cross members fastened securely between the supports to prevent sudden escape of the tire rim, at least one movable member serving as a closure between the supports to allow entry of the tire into the guard, protruding members extending from the base at right angles to the plane of the main axis of the tire-circumscribing space and of such dimensions as to prevent capsizing of the guard, and means for locking said member in closed position after the wheel is placed in the guard.

2,407,050
FLOW WING
Herbert Allen and Ruric N. Bean, Houston, Tex., assignors to Cameron Iron Works, Houston, Tex.
Application April 11, 1942, Serial No. 438,529
7 Claims. (Cl. 138—44)

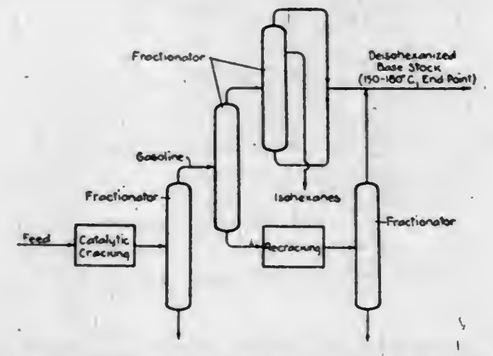


1. In a flow wing having a body, a flow bean retainer carried thereby, and means to adjustably support and position said retainer in the body including a floating gland and packing, said gland being threaded to said retainer and slidably but non-rotatably mounted in said body and abutting said packing.

2,407,051
STABILIZATION OF RESINS RESULTING FROM POLYMERIZATION OF AN ISOPROPENYL KETONE
David E. Adelson, Berkeley, and Hans Dannenberg, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 30, 1940, Serial No. 359,160
14 Claims. (Cl. 260—63)

1. A substantially stabilized resin composition containing a stabilizing amount of a mononuclear aryl hydroxy benzoate and a resin resulting from polymerization of methyl isopropenyl ketone.

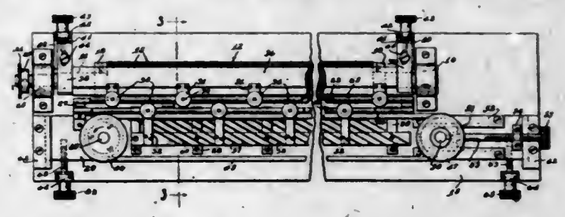
2,407,052
GASOLINE AND PROCESS FOR THE PRODUCTION THEREOF
William A. Bailey, Jr., and Bernard S. Greensfelder, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 30, 1943, Serial No. 474,158
7 Claims. (Cl. 196—52)



1. A process for the production of base stocks suitable for the production of gasolines having high supercharged ratings which comprises catalytically cracking a hydrocarbon oil boiling predominantly above the gasoline boiling range with a clay-type cracking catalyst, separating the product by fractional distillation into gasoline and a higher boiling fraction, separating said gasoline by fractional distillation into a higher boiling gasoline fraction and a lower boiling gasoline base stock containing substantial amounts of 2-methyl pentane and 3-methyl pentane and having a final boiling point within the range of 150° C. and 180° C., subjecting said higher boiling gasoline fraction to a recracking treatment with a clay-type cracking catalyst, separating the recracked product by fractional distillation into a gasoline base stock having a final boiling point within the range of 150° C. and 180° C. and a higher boiling gasoline fraction, substantially completely removing 2-methyl pentane and 3-methyl pentane from said first gasoline base stock by separating by fractional distillation a fraction consisting predominantly of 2-methyl pentane and 3-methyl pentane, and combining the product with said second gasoline base stock.

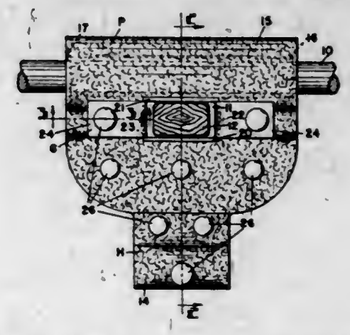
2,407,053
FILING MACHINE
John Belada, Glassboro, N. J., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application May 27, 1944, Serial No. 537,744
7 Claims. (Cl. 29—76)

1. The combination of a cylindrical roll having a knurled surface, a support in which the roll is mounted for rotation, a driving gear connected to the roll, an endless belt mounted at one side of the roll parallel therewith and spaced therefrom, a drive shaft connected to drive said belt, means for supporting a circular workpiece between the belt and said roll with the belt and roll bearing against the workpiece at diametrically opposite points, leaf springs positioned at



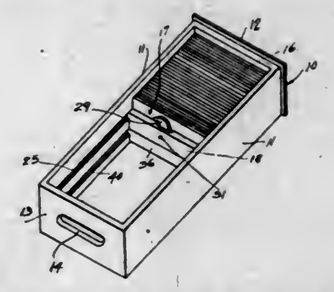
intervals along the belt, and a stationary support to which one end of each spring is fixed, with the springs extending diagonally forward from their support and their free ends bearing against the belt in position to hold the belt against the workpiece and the workpiece against the roll as the workpiece is rolled along said surface.

2,407,054
PICKER FOR LOOMS
William A. Blanchard, Millbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 1, 1946, Serial No. 651,237
8 Claims. (Cl. 139—160)



1. A loom picker made of material comprising essentially an intermingled mixture of textile and metallic fibers.

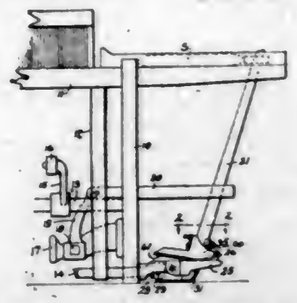
2,407,055
FILE DRAWER FOLLOWER
Burke C. Bradner, Chicago, Ill., assignor, by mesne assignments, to Clarence E. Threedy, Chicago, Ill., as trustee
Application November 6, 1943, Serial No. 509,175
5 Claims. (Cl. 129—29)



1. In combination, a drawer comprising side walls having parallel grooves formed in each of the opposed faces of such walls, a follower mounted in said drawer and comprising sections adapted to have vertical movement in opposite directions with respect to each other and includ-

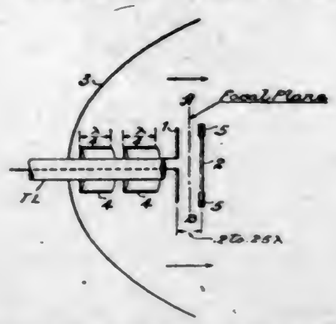
ing lateral projections engaging said grooves and adapted to bear on adjacent walls of said grooves when moved in said opposite vertical directions, and means for moving said sections in said opposite vertical directions.

2,407,056
PICKING SHOE
Benjamin W. Brouwer, Auburn, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 15, 1945, Serial No. 599,671
5 Claims. (Cl. 139—150)



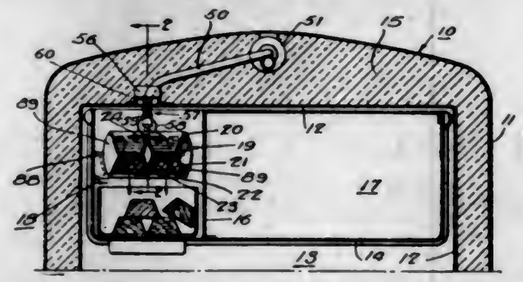
1. In picking mechanism for a loom operating with a picker stick and having a rocker iron which oscillates with the loom lay and is provided with a flat upper surface, a shoe secured to the picker stick and resting on said flat surface, said shoe having an under surface part of which is convex and part of which is straight, and resilient means holding the shoe and picker stick normally in such position that the convex surface of the shoe engages the flat surface of the rocker iron and the straight part of the under surface of the shoe is above said flat surface, said flat upper surface, convex and straight surfaces being so related that the picker stick during the first part of a working stroke thereof causes the convex surface to rock along said flat surface and during a later part of the working stroke causes the straight surface of said shoe to engage said flat surface prior to the end of the working stroke of the stick, the end of said straight surface remote from the convex surface forming a temporary pivot with said flat surface near the end of the working stroke of the picker stick to cause upward movement of the shoe relatively to the rocker iron against the action of said resilient means.

2,407,057
ANTENNA SYSTEM
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 23, 1942, Serial No. 427,909
2 Claims. (Cl. 250—11)



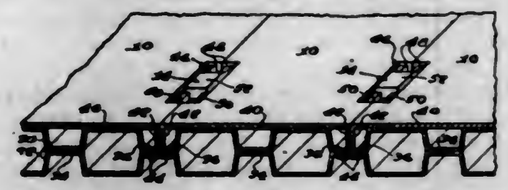
1. A directive antenna system comprising a parabolic reflector whose dimensions are large compared to the length of the operating wave, to thereby produce a relatively sharp focal point, a primary radiator located inside said focal point and having its center on the axis of said reflector, and another radiator located outside said focal point and also having its center on the axis of said reflector, said radiators being parallel and spaced from each other by a distance in the range from .2 to .25 wavelength at the operating frequency and symmetrically located on opposite sides of said focal point, whereby the effective source of radiation toward said parabolic reflector is at the focal point, a coaxial line feeder extending through the axis of said parabolic reflector and connected to said primary radiator, and spaced quarter wavelength sleeves on the outer conductor of said feeder for preventing currents flowing in a direction toward the reflector along the outside of the outer conductor.

2,407,058
FREEZING APPARATUS
Henry Walter Clum, Upper Darby, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 30, 1944, Serial No. 556,594
16 Claims. (Cl. 62—2)



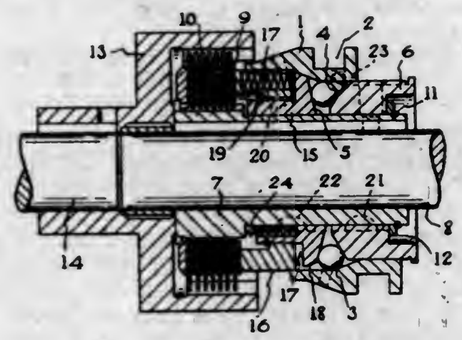
1. In a device of the character described, a mold having oppositely facing receptacles in thermal transfer relation with each other, associated temperature reducing means, liquid supply means, means for rotating the mold to bring said receptacles successively into position to receive liquid from said supply means, and means responsive to the rotation of the mold for actuating the supply means to deliver liquid to the receptacles.

2,407,059
PORTABLE LAUNCHING AND LANDING MAT FOR AIRPLANES
Henry H. Crafton, Baden, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 29, 1943, Serial No. 504,290
14 Claims. (Cl. 94—13)



8. An aircraft launching and landing mat, comprising: a plurality of individual cellular metal units having flat upper surfaces and side walls depending from said upper surfaces, said units being arranged so that said side walls are in adjacent, side by side relationship; and a plurality of clamp members engaging said adjacent side walls at spaced intervals, each of said clamping members including an inverted U-shaped portion engaging said side walls to prevent lateral displacement of one of said units with respect to another, and parts engaging the under side of the flat upper surfaces, the loop of said U-shaped portion extending through said adjacent depending side walls so as to cooperate with said parts engaging the under side of the flat upper surfaces and prevent vertical displacement of one unit with respect to an adjacent unit in both directions.

2,407,060
FRICTION CLUTCH
Arthur Croft, Rawdon, near Leeds, England
Application June 5, 1944, Serial No. 538,808
In Great Britain July 14, 1943
8 Claims. (Cl. 192—93)



1. Friction clutch comprising driving and driven clutch elements and operating mechanism, said mechanism including a carrier sleeve, two collars slidable for a limited distance one upon the other, said collars being slidably mounted upon said carrier sleeve, means securing said collars to said sleeve for rotation therewith, stop means between the collars for limiting their relative movement, interposed spring means for urging the two collars apart, spring means between one collar and an axially stationary part for causing a co-active release movement of the two collars, and means for applying operative force to one collar, said last mentioned means comprising spherical elements between end surfaces of one of said collars and of an axially fixed part, and a collar slidable over said spherical elements for forcing the same radially inwardly to apply the clutch operating force.

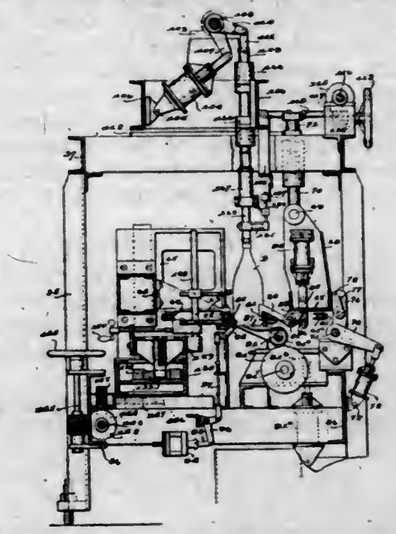
2,407,061
PROCESS OF TREATING POLYVINYL ALCOHOL
Joseph Dahle, West Newton, Mass., assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
No Drawing. Application April 11, 1941, Serial No. 388,144
3 Claims. (Cl. 18—47.5)

1. The process of manufacturing shaped articles, such as filaments, rods, tubes, sheets, containers and the like which comprises reacting a monomeric acetal of a mono-aldehyde with a solid polyvinyl base material containing

$$-CH_2-\underset{\displaystyle OH}{\underset{|}{CH}}-$$

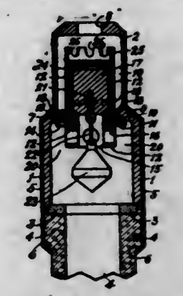
groups in the polymeric chain which can react with the monomeric acetal to form a by-product alcohol, the reaction being conducted under anhydrous conditions in the presence of a catalyst and an aldehyde thereby producing a solid polyvinyl product containing acetal groups, the base material and the acetal resulting from the reaction being in the solid state throughout the process, the monomeric acetal being preformed and in amount at least about 3.9 times the amount of aldehyde.

2,407,062
APPARATUS FOR TESTING CONTAINERS
William A. Darrah, Chicago, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application August 24, 1942, Serial No. 455,887
15 Claims. (Cl. 209—88)



4. Apparatus for testing the top surfaces or finishes of bottles and similar articles which comprises a support for the articles, a testing unit spaced above the support, said unit including a contact rod arranged to seat on said surface and extend thereacross and an electric contact device positioned and arranged to engage said surface at a point spaced from said contact rod, electroresponsive means controlled by said contact device for indicating defective ware, and means for rotating the articles while under test.

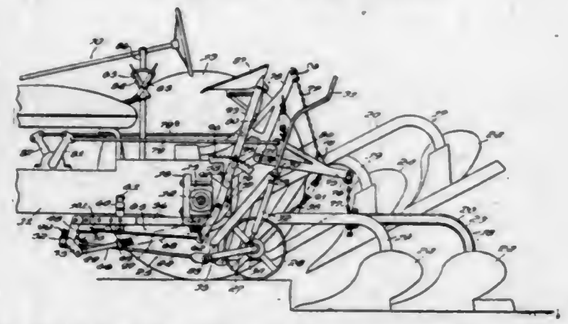
2,407,063
CLOSURE DEVICE FOR RENDERING BOTTLES NONREFILLABLE
Jose Soto del Llano, Habana, Cuba, assignor of one-fourth to Ricardo Moré Ferrer, Habana, Cuba
Original application March 21, 1942, Serial No. 435,710, now Patent No. 2,318,382, dated May 4, 1943. Divided and this application March 15, 1943, Serial No. 479,194. In Cuba June 21, 1941
2 Claims. (Cl. 215—23)



1. In a closure device for rendering bottles nonrefillable, when attached to the mouth of the same, the combination of an outer casing with openings at its top and bottom and adapted to rest with its bottom against the mouth of the bottle, a cylindrical valve carrying member with-

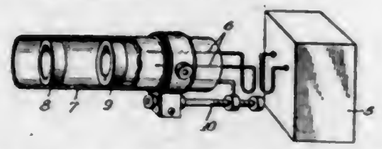
in said casing and having its intermediate portion fixedly connected with an intermediate portion of the casing, said valve carrying member having tubular end portions projecting from its intermediate portion in opposite directions and providing annular spaces between said end portions and the casing, said cylindrical valve carrying member having a valve seat between its ends and the walls of the tubular end portions of said valve carrying member being provided with openings at each side of said valve seat, a valve slidable by gravity within one projecting tubular end portion of the valve carrying member, a weight extending from the other tubular end portion of the valve carrying member and being flexibly connected with said valve, and a cap slidable on the projecting tubular end portion containing said valve and adapted to free and obstruct respectively the openings in said last named projecting tubular end portion of the valve carrying member, and means for inviolably securing said outer casing to the neck of the bottle.

2,407,064
AGRICULTURAL IMPLEMENT
Frederick L. Dewey, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 22, 1944, Serial No. 536,705
19 Claims. (Cl. 97—29)



1. In a tractor-mounted two-way plow having working units adapted for alternate operation, lifting means for vertically moving the working units independently between operating and transport positions, a ground-contacting gauge wheel associated with each said unit, means for vertically adjusting each said gauge wheel with respect to its associated working unit to vary the depth of operation thereof, and connecting means between said lifting means and said gauge wheels effective to remove both said gauge wheels from contact with the ground when both said units are raised to transport position, but ineffective to remove said gauge wheels from the ground when either of said units is in operating position.

2,407,065
RAY PROJECTOR
Harold Potter Donle, New York, N. Y.; Miriam D. Jensen, administratrix of said Harold Potter Donle, deceased, assignor of one-half to Daniel J. McCarthy
Application April 16, 1942, Serial No. 439,163
10 Claims. (Cl. 250—11)

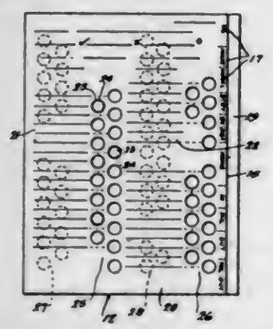


1. A ray projector including, generating means for generating ultra-high-frequency radio waves, a focusing tube of non-conducting material through which generated waves may pass, wave propagation means located near one end of said tube for propagating waves within said tube, connections coupling said generating means to said propagation means, and means for angularly restricting the wave energy projected from said focusing tube comprising said focusing tube, and a focusing member within said tube, said member being of material of considerably different conductivity from that of said tube and having an aperture therein through which said waves may pass.

2,407,066
PROCESS FOR MANUFACTURING FUROIC ACID AND FUROIC ACID SALTS
Andrew P. Dunlop, Riverside, Ill., assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
No Drawing. Application June 29, 1942, Serial No. 449,032
11 Claims. (Cl. 260—345)

1. Process for producing furoic acid from furfural which comprises suspending furfural and a catalyst comprising a major proportion of a base metal oxide and a minor proportion of a noble metal oxide in an aqueous medium maintained in an alkaline-reacting condition while supplying an excess of elemental oxygen thereto to oxidize the furfural to a salt of furoic acid; acidifying the resulting solution to liberate the furoic acid therefrom; and recovering the latter.

2,407,067
SERVICE INSPECTION MANUAL
Durward B. Erminger, Maywood, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 25, 1944, Serial No. 555,622
4 Claims. (Cl. 281—44)

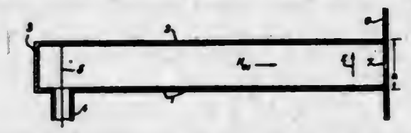


4. An envelope having front and rear faces, service and inspection items listed in columns on the faces of said envelope, said envelope faces having circular disks perforated around their outer edges in the faces of the envelope adjacent each of said items, whereby any of the disks may be removed as desired, said circular disks being arranged in vertical columns, said columns of disks on the front face being offset from the columns of disks on the rear face, and an insert sheet adapted to fit in said envelope for the purpose of marking said sheet through removed circular disks.

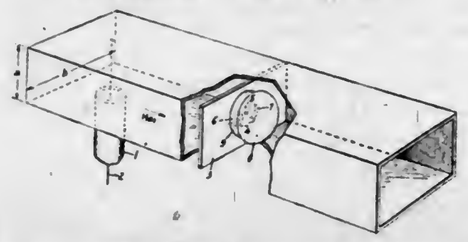
2.407.068
WAVE TRANSMITTING SYSTEM
Milan D. Fiske, Schenectady, and James M. Lafferty, Colonie, N. Y., assignors to General Electric Company, a corporation of New York
Application September 15, 1942, Serial No. 458,422
22 Claims. (Cl. 250—11)

1. In combination, a hollow-pipe type wave guide for transmitting electromagnetic waves di-

electrically, exciting means for establishing electromagnetic waves in said guide, and means including a wall member associated with said guide provided with an aperture tuned to the frequency of said exciting means and having an appreciable dimension perpendicular to a transverse component of electric field for effecting a concentration of the potential due to said waves and for effecting current flow in said wall member thereby producing in effect a dipole for radiation purposes.

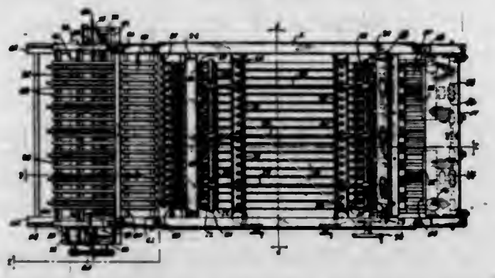


2,407,069
DIELECTRIC WAVE GUIDE SYSTEM
Milan D. Fiske, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 15, 1942, Serial No. 458,423
14 Claims. (Cl. 178—44)



1. In combination, a dielectric wave guide of the hollow-pipe type, exciting means for establishing electromagnetic waves within said guide, a metallic wall associated with said guide and lying in a plane substantially transverse to the direction of wave propagation through said guide and provided with an aperture having an appreciable dimension perpendicular to the electric component of the field incident to the propagation of waves through said guide and tuned to the frequency of said exciting means, and a substantially reflectionless structure connected across said aperture comprising a dielectric material sealed to said wall and having an impedance effect substantially equal and opposite to that produced by said aperture.

2,407,070
CORE SPLICER
Clifton C. Frame, Wabash, Ind., assignor to The G. M. Diehl Machine Works, Wabash, Ind., a corporation of Indiana
Application March 4, 1942, Serial No. 433,246
4 Claims. (Cl. 144—279)

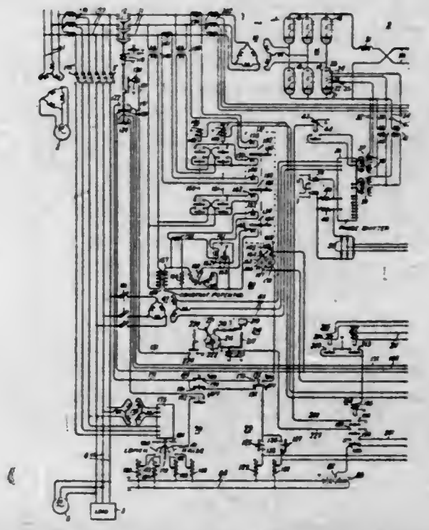


1. In an apparatus of the character described, in combination, a flat bed comprising a plurality of flat horizontally disposed bed plates arranged closely adjacent one another and forming a substantially continuous flat bed extending from side to side, heating elements in contact with and heating said plates, a plurality of longitudinally disposed presser bars vertically movable independently of one another, means for heating said bars, means for resiliently biasing said bars toward the bed and reciprocating means for successively feeding boards beneath said presser bars, said presser bars and bed forming resilient clamping means for the boards fed therebetween to offer resistance to the movement of the boards therethrough whereby, as each board is fed to the machine, it will be forced against the preceding board to insure a tight junction between the edges of the adjacent boards.

2,407,071
THICK PASTING STARCH AND METHOD
Lowell O. Gill and John W. McDonald, Decatur, Ill., assignors to A. E. Staley Manufacturing Co., Decatur, Ill., a corporation of Delaware
No Drawing. Application November 12, 1943, Serial No. 510,068
8 Claims. (Cl. 260—9)

5. A process of making a composition of matter, which comprises reacting native starch in aqueous suspension having a pH of 1.5 to 7.0 with 0.005 to 2.0 per cent of a material selected from the class consisting of water soluble urea-formaldehyde condensation products and water soluble melamine-formaldehyde condensation products based on the weight of the starch, adjusting the pH of the suspension to a value within the range of 4.5 to 7.0, filtering the suspension, and drying the insoluble reaction product to recover a dry granular composition, said composition having the characteristic of being thicker pasting with hot water than the original starch and forming therewith a smooth homogeneous paste.

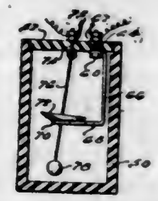
2,407,072
ELECTRIC CONTROL SYSTEM
William N. Gittings, Oakmont, and Amos W. Bateman, Yeadon, Pa., assignors to General Electric Company, a corporation of New York
Application October 24, 1944, Serial No. 560,161
32 Claims. (Cl. 171—97)



1. In an electronic conversion system, a pair of circuits one of which is an alternating current circuit, means comprising electric translating apparatus interconnecting said circuits and comprising a plurality of electronic tubes each having an anode, a cathode and a control electrode, means having a rotatable element for controlling the potential of said control electrode to determine the instant of conduction between the

anode and cathode of each tube, a direct current motor connected to operate said movable element, a direct current generator of the armature reaction-excited type connected to energize said motor and having a pair of short circuit brushes and a pair of load circuit brushes displaced therefrom, a control field winding for said generator, and means connected to said control field winding and responsive to an electrical condition of said conversion unit for controlling the power interchanged between said pair of circuits.

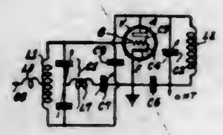
2,407,073
ALARM DEVICE FOR AUTOMOBILES
Paul T. Gorton, Grosse Pointe, Mich., assignor of fifty per cent to Hodgson S. Pierce, Detroit, Mich.
Application July 29, 1944, Serial No. 547,119
2 Claims. (Cl. 200—52)



2. A switch device comprising, in combination, a support of electrical conducting material having a ring-like portion adapted to be normally disposed in an approximately horizontal plane, a pendulum having a stem of electrical conducting material, means fixed with respect to said support for supporting said pendulum for universal movement about a point above and approximately vertically aligned with the center of said ring-like portion, said stem of said pendulum projecting through said ring-like portion in normally materially spaced relation with respect thereto, and a contact element comprising a member having an aperture therethrough supported on said ring-like portion in electrical contact therewith and being freely shiftable thereon in approximately the plane of said ring-like portion, said stem of said pendulum projecting through said aperture of said contact element in loosely associated relation with respect thereto whereby when the plane of said ring-like portion is changed a corresponding pivotal movement of said pendulum will occur and, through engagement with the wall of said aperture, shift said contact element on said ring-like portion, said contact element having a partially spherical lower face the curvature of which is such as to impart to it a natural tendency to seat in said ring-like portion, thereby overcoming any tendency of said contact element to slide away, under the force of gravity, from its seated position on said ring-like portion as shifted by said pendulum when said ring-like portion is tipped a small amount out of its normally approximately horizontal plane, and means for connecting said ring-like portion and said stem of said pendulum in series in an electrical circuit.

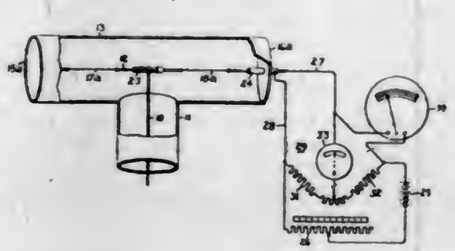
2,407,074
FEED-BACK CONTROL ARRANGEMENT FOR COUPLED TUNED CIRCUITS
Ernest Green, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application May 16, 1944, Serial No. 535,824
In Great Britain February 17, 1943
4 Claims. (Cl. 179—171)

1. A circuit arrangement including a tuned input circuit, a tuned output circuit, a pair of capacity-potentiometers coupling said circuits, the tuned input circuit being connected from a tapping point on one capacity-potentiometer to a similarly placed tapping point on the other and having its mid-point connected to the common lower end of the two capacity-potentiometers, the tuned output circuit being connected at one of its two ends to the upper end of one of the two capacity-potentiometers, at the other of its two ends to the upper end of the other of the two capacity-potentiometers, and at its mid-point to



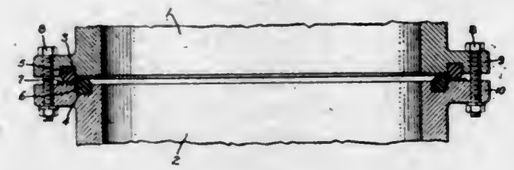
the common lower end through a connection including an inductor, wherein neutralizing capacitors are connected from the upper end of either capacity-potentiometer to the tapping point on the other and two impedances are provided, one connected across each neutralizing condenser, said impedances being constituted as series-L/C circuit elements resonant at a frequency near to the frequency of the component of frequency in the output circuit, feed-back of which it is desired to control.

2,407,075
ULTRA HIGH FREQUENCY POWER MEASUREMENT
Anatole M. Gurewitsch, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 12, 1942, Serial No. 465,358
6 Claims. (Cl. 171—95)



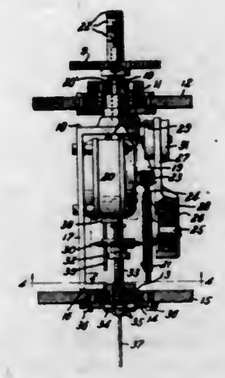
1. In combination with a concentric cable high frequency supply line, a concentric cable load line therefor, the inner cable of which includes two similar resistance sections in series relation, connections between the inner and outer cables of the load line at its two ends, a connection between the outer conductors of the supply and load lines, a connection between the inner cable of the supply line and the inner cable of the load line between the resistance sections thereof whereby said resistance sections are connected in parallel across the supply line, all of said connections being suitable for passing high frequency current and of insignificant high frequency impedance as compared to the impedance of said resistance sections whereby the impedance characteristic of said load line is independent of frequency variations, means sensitive to the temperature of said resistances for obtaining a measurement in terms of the high frequency current in the supply line and provisions for assuring that said resistances will have a selected constant value of resistance when a measurement is taken.

2,407,076
FLUID-TIGHT RADIO SHIELDED JOINT
Joseph R. Harkness, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 11, 1944, Serial No. 553,584
7 Claims. (Cl. 174—35)



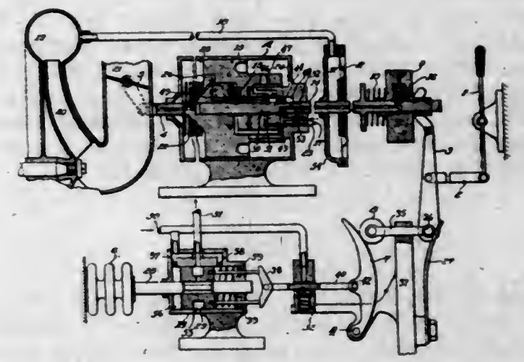
1. A fluid-tight radio shielded joint for adjacent surfaces of two metallic members each formed with a peripherally extending groove therein, a resilient member in each of said grooves extending axially beyond the outer edges of each of said grooves, a deformable electrically conductive washer arranged axially between and to extend transversely over both of said resilient members, and means for biasing said resilient members into intimate fluid-tight engagement with said deformable washer and for biasing the parts of the opposite sides of said deformable washer from each of said resilient members into good electrical contact with the adjacent surfaces of said metallic members.

2,407,077
SPEED INDICATOR TRANSMISSION
Sam Hamilton, Ardmore, Pa., assignor to The Electric Tachometer Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 9, 1944, Serial No. 557,855
9 Claims. (Cl. 74—281)



1. In combination, a stationary screw shaft, a wheel threaded to run on said shaft, a first rotatable shaft the axis of which coincides with the axis of the stationary shaft, a second rotatable shaft carried by said first rotatable shaft with its axis intersecting the axis of said first rotatable shaft, a disc on said second rotatable shaft positioned so that its face engages the edge of the wheel, means for rotating said disc about the axis of said second rotatable shaft and means for revolving said second rotatable shaft about the axis of said first rotatable shaft.

2,407,078
POWER CONTROL
George M. Holley, Jr., Grosse Pointe, Mich., assignor to George M. Holley and Earl Holley
Application March 3, 1944, Serial No. 524,977
9 Claims. (Cl. 123—103)



1. A throttle control for a supercharged aircraft engine comprising an air entrance to said engine, a throttle valve therein, a lever therefor, a chamber, a moving wall associated therewith, a passage connecting said chamber with the engine side of said supercharger, spring loading means engaging with said moving wall in opposition to the supercharger pressure, the pressure on the other side of said wall being atmospheric, manually controlled means for controlling said spring loading means, barometric responsive means for modifying said spring load on said moving wall at all positions of said manual means, a connection from said moving wall to said throttle lever whereby the position of the throttle is controlled by the movement of said moving wall in response to changes in the pressure of the supercharger and this supercharger pressure is balanced by said spring loading means which is regulated jointly by the manual control means and by said barometric means.

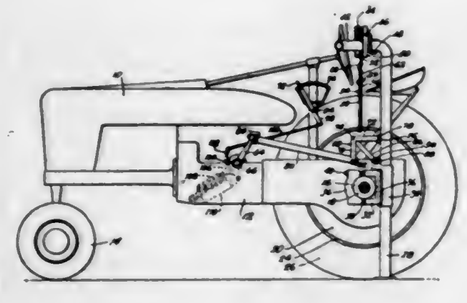
2,407,079
HOLDING TRAY FOR EGG TREATING MACHINES
Willis G. Howard, Indianapolis, Ind.
Application June 28, 1944, Serial No. 542,585
1 Claim. (Cl. 220—21)



In an egg tray comprising two vertically spaced sheet metal plates, each having a plurality of medial perforations defined by two series of connected spaced strips, the strips of one series lying at right angles to the strips of the other series and medially distorted downwardly at opposite edges short of the junction points so as to clear said edges from possible contact with eggs nested in the structure, the effective dimensions of the perforations in the upper plate being greater

than the largest diameter of the largest eggs to be handled and the effective diameter of the perforations of the lower plate being substantially less than the largest diameter of the smallest egg to be handled, the two plates being vertically spaced less than half the length of the smallest egg to be handled, the upper sheet having four downwardly extending flanges each lying in a plane at right angles to the planes of adjacent flanges and each of the four flanges bonded with two adjacent flanges, the lower sheet having four downwardly extending flanges each lying in a plane at right angles to the planes of adjacent flanges and nested within the flanges of the upper sheet, and means bonding the lower edge of the flanges of the two sheets together.

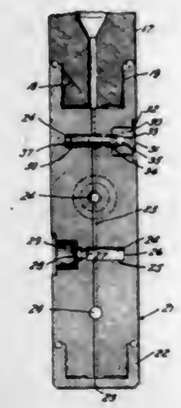
2,407,080
JACK
Arnold E. W. Johnson, Oak Park, and John R. Orelind, Wilmette, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application March 8, 1943, Serial No. 478,462
2 Claims. (Cl. 254—86)



2. In a tractor having a power source comprising a swingable work arm, a control lever for effecting regulated movement of said work arm by said power source, a jack means for the tractor, said jack including a standard, sleeve means affixed to the tractor and forming a rigid structure therewith through which the standard slides, a bell-crank lever having angularly spaced arms and a fulcrum therebetween, the arms connecting the standard to the work arm, and a link pivotally attached to said rigid structure and the fulcrum of the bell-crank lever, whereby movement of the control lever causes the tractor to be raised or lowered with respect to said standard.

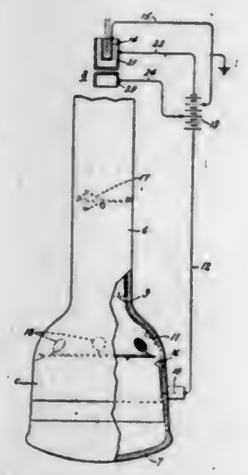
2,407,081
GUN PERFORATOR FOR WELL CASING
Mordica O. Johnston, Glendale, Calif.
Application November 27, 1944, Serial No. 565,261
4 Claims. (Cl. 164—0.5)

1. In a gun perforator, a body member having an explosive chamber therein to receive a charge of explosive, said chamber lying in a plane normal to the longitudinal axis of the body and intersecting said axis, the inner end of said chamber being closed and the outer end being formed with a restricted outlet opening, a seat formed around the outer end of the outlet opening to receive an annular flange portion of a projectile, a threaded bore extending outwardly beyond said seat, a threaded barrel having a central muzzle bore and adapted to be mounted within the threaded opening to receive the outer end of the projectile in the muzzle bore and to cooperate with the seat in the body member in engaging the



flange of the projectile and thus holding the projectile until the firing power of the explosive shears said flange from the projectile.

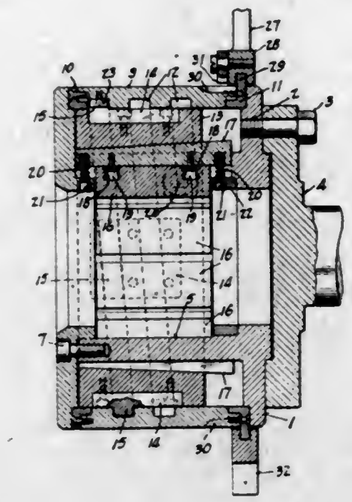
2,407,082
CATHODE-RAY DEVICE
Ralph P. Johnson and William R. Grams, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application January 27, 1943, Serial No. 473,706
4 Claims. (Cl. 250—164)



1. A cathode ray device comprising a tubular envelope, a dark trace screen therein, means for producing a pattern on said screen and a matte white reflector adjacent said screen in such position that said reflector will constitute a light-diffusing background for a pattern on said said screen.

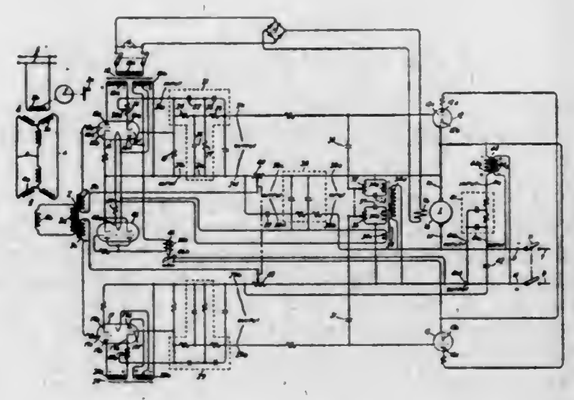
2,407,083
CHUCK
Ernst R. Koppel, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application March 11, 1944, Serial No. 525,992
10 Claims. (Cl. 279—74)

1. A chuck comprising a plurality of opposed radially movable gripping jaws, a cam ring encircling said jaws with axial and circumferential cam surfaces engaging the same and relatively movable with respect thereto in both a rotary and an axial direction to effect gripping movement of said jaws, a single rotary actuating member encircling said cam ring for producing rela-



tive rotation between said ring and jaws and relative axial movement between the same, and a releasable interlock between said cam ring and said actuating member to effect substantial completion of the relative rotation of said cam ring and jaws prior to the relative axial movement of the same.

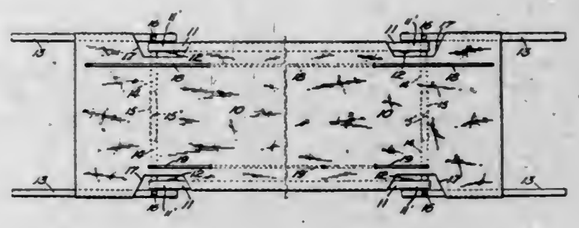
2,407,084
MOTOR CONTROL APPARATUS
Raymond W. Lavender, Waterford, N. Y., assignor to General Electric Company, a corporation of New York
Application January 23, 1945, Serial No. 574,087
8 Claims. (Cl. 172—239)



1. Apparatus for controlling the speed of an electric motor comprising a source of alternating voltage having one terminal adapted to be directly connected to a first terminal of the armature of the motor, a first electric valve having an anode connected to the other terminal of said source, a cathode adapted to be connected to a second terminal of the armature and a control grid, a second electric valve reversely connected in parallel with said first valve and provided with an anode, a cathode and a control grid, means for selectively increasing the conductivity of said valves to effect rotation of the motor in a selected direction, means responsive to the voltage between the cathode of said first valve and said first armature terminal for supplying a stabilizing voltage between the grid and cathode of said first valve, means responsive to the voltage between the cathode of said second valve and said second armature terminal for supplying a stabilizing voltage between the grid and cathode of said second valve, and means for supplying a voltage between the grid and cathode of said second valve equal in magnitude and opposite in phase to the voltage of said source.

6. Apparatus for controlling an electric motor comprising means for producing an alternating signal voltage, electric valve means responsive to said signal voltage for producing a periodically varying voltage having an alternating component and a direct component, a T bridge connected to be responsive to said periodically varying voltage and balanced at the frequency of said periodically varying voltage thereby to produce at its output terminals a direct signal voltage having a magnitude and polarity dependent upon the magnitude of said alternating signal voltage, and electric valve means controlled by said direct signal voltage for supplying a voltage to said motor to effect rotation thereof at a speed corresponding to the magnitude of said direct signal voltage.

2,407,085
FOLDABLE STRETCHER
George Berrell Leather and William Hastings Wallbanks, Feltham, England, assignors to General Aircraft Limited, Feltham, Middlesex, England
Application March 27, 1944, Serial No. 528,294
In Great Britain September 7, 1942
6 Claims. (Cl. 5—82)

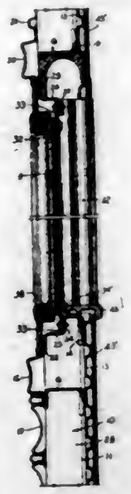


4. A stretcher including a main section including spaced side rails and a handle section including spaced handle bars, a canvas connected to the side rails and to the handle bars, the handle bars being swingingly connected to the side rails, and stays pivotally connected at their ends to the handle bars and each made up of two bars pivotally connected at an intermediate point to cause the stay bars when aligned to space the side rails and handle bars and when moved on their intermediate pivots to move the respective side rails and the respective handle bars toward each other, the ends of the stay bars when aligned underlying and contacting with the adjacent ends of the side rails to support the main section when the main section and handle section are in substantially horizontal stretcher-forming alignment.

2,407,086
WINDOW CONSTRUCTION, ESPECIALLY FOR RAIL CARS

Joseph Ledwinka, Philadelphia, and George Trautvetter, Jenkintown, Pa., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 3, 1943, Serial No. 501,117
5 Claims. (Cl. 189—64)



1. In a window construction, a window frame and a sash in the frame; said frame having shoulders extending toward the center of the opening and located intermediate the outer and inner margins of the frame; said sash having a main portion adapted for the reception of a window plate and of lateral dimensions smaller than the opening of the frame in which it is located; said main portion of said sash having means projecting laterally therefrom and resting against the outside of said shoulders of the frame leaving an outwardly facing open space between the main portion of the sash and the frame, securing means accessible from the outside between said projecting means and said shoulders, and a removable panel covering said open space, said panel resting against and being secured to the surfaces of the sash and of the frame adjoining the open space.

2,407,087
MINERAL OIL LUBRICATING COMPOSITION

Eugene Lieber, Staten Island, N. Y., and Aloysius F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 26, 1940, Serial No. 371,788
6 Claims. (Cl. 252—52)

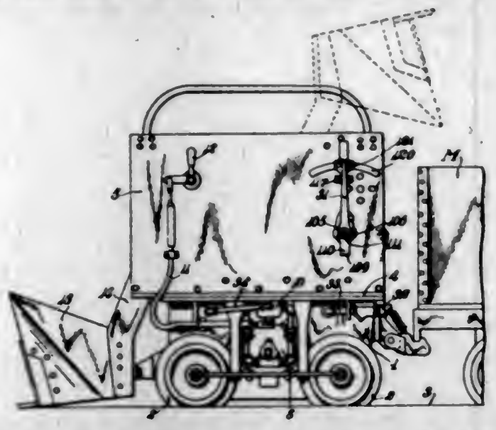
1. A composition comprising as a base a hydrocarbon product containing hydrocarbon wax and a small amount of an auto-condensation product of an aliphatic ketone having less than 12 carbon atoms, said condensation product being substantially non-volatile under fire and steam distillation conditions at temperatures below 600° F.

2,407,088
CONTROLLING MECHANISM

Louis A. Maxson, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania

Original application August 13, 1941, Serial No. 406,645. Divided and this application May 20, 1942, Serial No. 443,776
9 Claims. (Cl. 214—132)

1. In a controlling mechanism for an element which is adapted to undergo a plurality of movements in different directions, separate means operative simultaneously for moving said element in said directions, a valve for controlling movement of said element in one of said directions, means automatically operative at a predetermined point of movement of said element in another of said directions for actuating said valve to position the same for the effecting of the movement

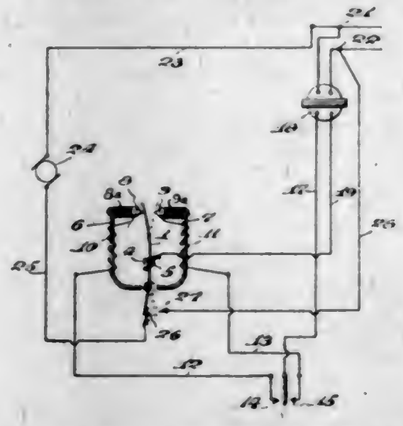


controlled thereby, and manually controlled means for taking the control of said valve away from said automatic means including a manually operable controlling element operable at will and selectively positionable to preclude the aforesaid actuation of said valve at said predetermined point of movement of said element or to cause such valve movement to take place before said element reaches said predetermined point.

2,407,089
SNAP SWITCH

Robert J. McFall, Haworth, N. J.

Application May 18, 1944, Serial No. 536,167
10 Claims. (Cl. 200—122)



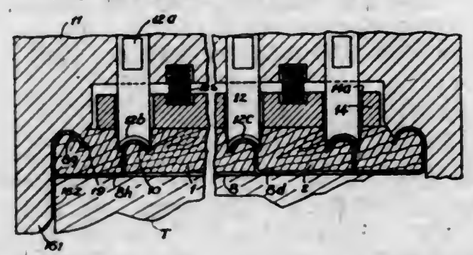
1. A snap switch comprising a thin strip of resilient metal, means for anchoring said strip to a fixed support at one point, said strip having a deformed, laterally offset area immediately adjacent said anchoring means, and a circuit-controlling contact associated with said strip.

10. The combination with a snap switch comprising a resilient strip anchored at a point intermediate its ends and being transversely deformed in the region surrounding said anchorage, of a pair of thermostatic elements having free ends adjacent and opposite each other, a heating winding on each of said elements, a pair of contacts to each of which one end of one of said windings is connected, one end of said strip being disposed between and adapted to be engaged and moved by the free end of either one of said elements, and the other end of said strip being positioned to play between and alternately engage said contacts, and said switch forming a part of the circuit of said heating windings, whereby when the first mentioned end is moved laterally by one of said electrically actuated means beyond a certain position, the other end moves in the same direction with a snap action, thereby disengaging one of said contacts and breaking the circuit through one electrically actuated means, and engaging the other contact and establishing at that point a circuit through the other electrically actuated means, and an additional independent pair of contacts constructed and arranged to be opened and closed by the lateral movements of said strip.

2,407,090
METHOD OF APPLYING METAL BINDING-STRAPS

Roy F. McMahan, Arlington Road, near Louisville, Ky.

Original application October 15, 1938, Serial No. 235,129. Divided and this application January 30, 1943, Serial No. 474,207
5 Claims. (Cl. 1—11)

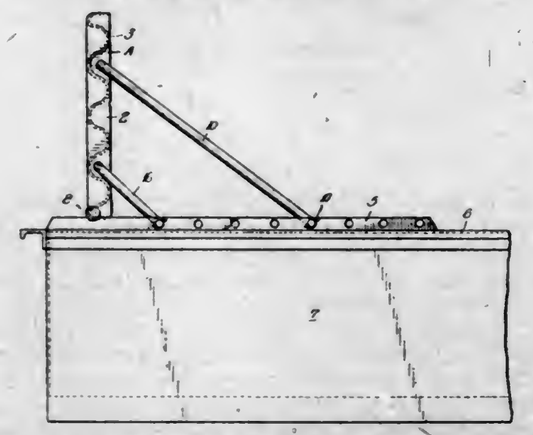


1. The method of securing a metal binding-strap, having a plurality of integral projections struck therefrom, to a wooden wall member of a box, which consists in pressing said projections through the wall member until one face of the wall member flatly contacts the adjacent face of the strap and the free end portion of each projection extends beyond the opposite face of the wall member, continuously curling the free end portion of each projection a substantial amount into the said opposite face of the wall member and until the entire end portion of each projection is arch-shaped and the outer face of the arch-shaped portion lies below the plane of the said opposite face, and forming a corrugation in the arch shaped portion of each projection to give added strength and securing ability.

2,407,091
ADJUSTABLE LADING BRACE FOR RAILWAY CARS

John McMullen, Buffalo, N. Y.

Application May 31, 1945, Serial No. 596,818
8 Claims. (Cl. 105—369)

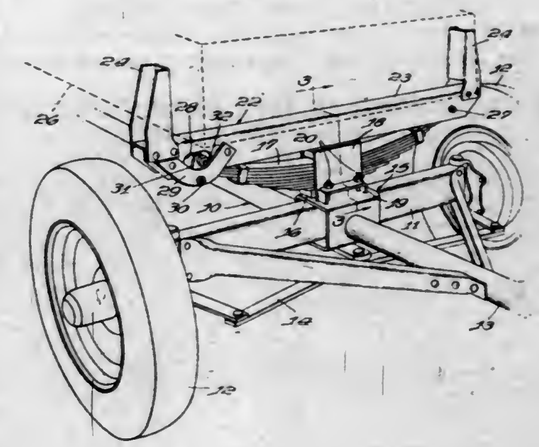


1. Means to retard shifting of lading in an open top railway car which lading projects above the side walls thereof, said means comprising a panel adapted to slidably engage the side walls of the car for movement lengthwise of the car for adjustment against the lading above the side walls of the car, a pair of braces attached to each end of the panel in spaced relation to each other and engageable with the respective side walls of the car to brace said panel against the thrust of lading due to service movements of the car, and means to engage said braces to the side walls of the car respectively in any one of several positions lengthwise of the car.

2,407,092
VEHICLE

Gordon G. McNamara, Jr., Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application August 1, 1942, Serial No. 453,178
2 Claims. (Cl. 267—7)



1. In a vehicle including running gear and a load-supporting frame, a support associated with the running gear, a transverse inverted channel associated with the frame and disposed above the support, a concave transverse leaf spring, an inverted U-shaped guide member embracing the lower center portion of the leaf spring and affixed to said support, the upwardly extending ends of the leaf spring fastened within the inverted channel, said inverted U-shaped guide member in normal unloaded vehicle position terminating immediately beneath the lower edge of the inverted channel, said U-shaped guide member adapted to have a sliding fit within said inverted channel, whereby upon application of any load to the vehicle the U-shaped guide telescopes the inverted channel preventing the frame and running gear from relative horizontal shifting.

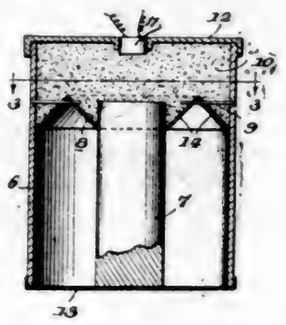
2,407,093
METHOD AND APPARATUS FOR CUTTING OR PUNCHING SHEET MATERIAL

Henry H. Mohaupt, Washington, D. C., assignor to Societe Anonyme de Gestion et d'Exploitation de Brevets, Switzerland

Application May 21, 1942, Serial No. 443,958
15 Claims. (Cl. 164—85)

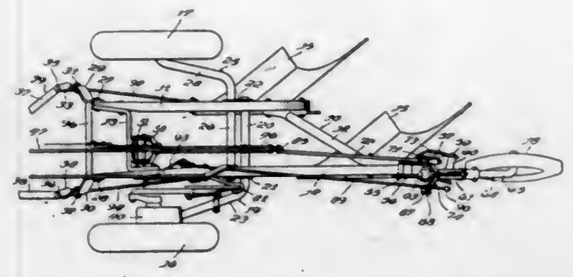
1. A self-contained cutter or punch for sheet material comprising a container adapted to be positioned adjacent the plate to be cut or punched, a collapsible concave tool within the container spaced from the plate a material distance, an explosive within the container and on the other

side of said tool with respect to the plate whereby, on detonating the explosive, the tool is freed



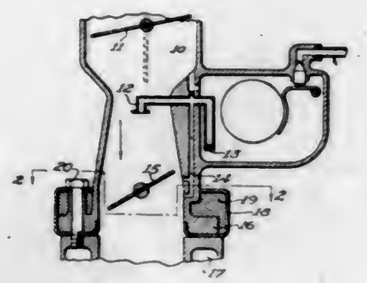
from the container by collapsing its sides and driven into said sheet.

2,407,094
AGRICULTURAL IMPLEMENT
James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 15, 1944, Serial No. 535,650
16 Claims. (Cl. 97—72)



1. In a plow, a frame, ground-working tools attached to the frame, a furrow wheel upon the frame, means for locking said furrow wheel against castering when the plow is in ground-working and transport positions, and means for automatically releasing said locking means only upon forward movement of the plow when in transport position.

2,407,095
HEAT CONTROL
Elmer Olson, Ferndale, Mich., assignor to George M. Holley and Earl Holley
Application April 16, 1945, Serial No. 588,629
1 Claim. (Cl. 123—122)



A hollow flange interposed between an exhaust-heated inlet manifold and a carburetor, filled with a fuseable metal having a melting point below 175° F.

2,407,096
ANTIANEMIA VITAMIN PRODUCTS
Joseph J. Pfiffner, Ann Arbor, and Stephen B. Binkley, Edward S. Bloom, and Arthur D. Emmett, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 4, 1943, Serial No. 477,998
2 Claims. (Cl. 260—236.5)

2. An organic acid containing the elements carbon, hydrogen, oxygen, and nitrogen, said acid being the acid derived by autolysis of mammalian liver tissue and being free from pantothenic acid and the antipernicious anemia principle obtainable from the liver tissue, having in .005 N sodium hydroxide solution ultraviolet absorption maxima very close to the wave lengths 256mμ, 282mμ, and 365mμ, with

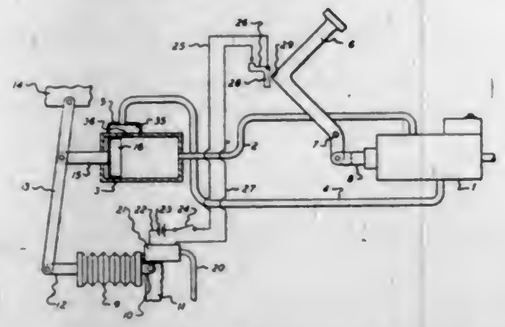
$$E^{1\%}_{1\ \text{cm.}}$$

of approximately 542, 531, and 194 respectively, and absorption minima very close to the wave lengths 235mμ, 268mμ, and 333mμ, with

$$E^{1\%}_{1\ \text{cm.}}$$

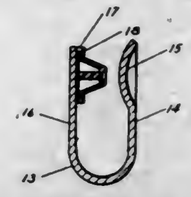
of approximately 299, 476 and 135 respectively, showing birefringence between crossed Nicol prisms when in its microcrystalline form and being colored yellowish orange in its amorphous form, both of said forms darkening and charring without melting upon heating, being relatively insoluble in cold water, much more soluble in hot water, readily soluble in glacial acetic acid and pyridine, and giving negative reactions in the biuret, murexide and Molisch tests and exercising an antianemia vitamin effect in chicks suffering from a deficiency of said acid and a growth-stimulating effect on lactobacillus casei.

2,407,097
BRAKE MECHANISM
Gilbert E. Porter, Los Angeles, Calif., assignor to Leonard J. Rosa, Detroit, Mich.
Application February 10, 1943, Serial No. 475,336
10 Claims. (Cl. 188—152)



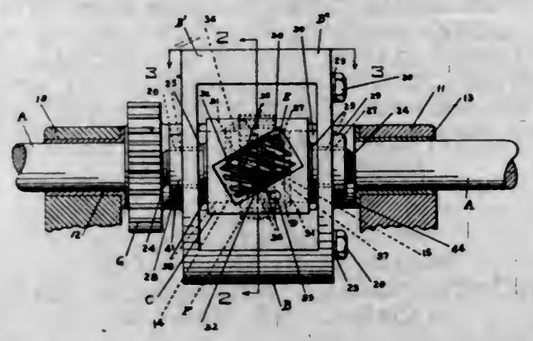
1. In a fluid operated device of the character described, for applying fluid under pressure to an expansible unit, and adapted to be controlled by actuating means, the combination of a fluid pressure receiving chamber having a wall movable by fluid pressure in said chamber, a fluid pressure transmitting chamber having a movable wall and an outlet port whereby movement of said wall will discharge fluid from said fluid transmitting chamber, a floating piston connecting said walls whereby the movement of said first named wall by fluid pressure in said fluid pressure receiving chamber will move said last named wall so as to discharge fluid from said fluid transmitting chamber through said outlet port, and means for controlled delivery of fluid under pressure into said fluid pressure receiving chamber, said means having a valve connecting a source of fluid under pressure to said fluid pressure receiving chamber, said valve comprising an outer piston having said first named piston telescoped therein, said pistons having coacting ports arranged so that when in conducting alignment fluid flows into said pressure receiving chamber and when not in conducting alignment fluid cannot flow into said pressure receiving chamber, said outer piston being connected to said actuating means for movement thereby and said first named piston moving in response to pressure in said pressure receiving chamber.

2,407,098
EARRING CONSTRUCTION
Paul A. Raiche, North Providence, R. I.
Application October 29, 1943, Serial No. 508,201
5 Claims. (Cl. 63—14)



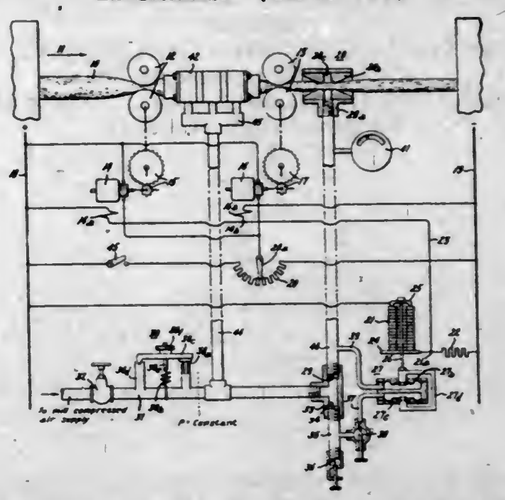
2. An earring construction, comprising a U-shaped element of resilient material having two arms adapted to grip an ear lobe therebetween, and a resilient tip on one arm extending towards the other arm, said resilient tip comprising a hollow cup-shaped element having its edges secured to said one arm, the outwardly extending upper portion having a suction recess.

2,407,099
TWO AND ONE DIRECTION SILENT OVERRIDING AND POSITIVE DRIVING OVERRIDING MECHANISM
Carroll H. Richards, Boston, Mass.
Application January 22, 1945, Serial No. 573,988
6 Claims. (Cl. 192—41)



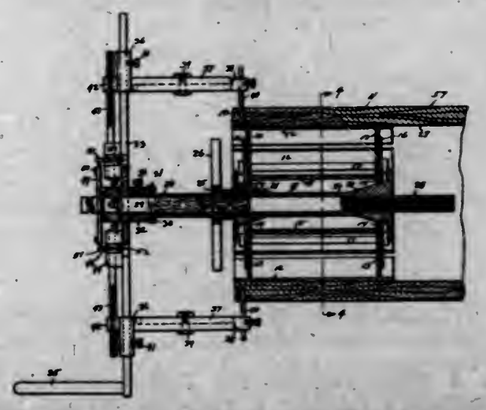
1. In a mechanism having a pair of elements rotatable about a common axis, the combination therewith of a gear having a driving connection with one of said elements, a member mounted in the other element for rotation relative thereto, a second gear, said second gear being mounted in said member for rotation relative thereto and adapted to mesh with the first gear, said member and said second gear being rotatable about different axes, the axis of rotation of said member being spaced from the axis of the first gear, and means for rotating one of said elements.

2,407,100
DRAFTING OF FIBERS
Ernest L. Richardson, Melrose, Mass., assignor to General Electric Company, a corporation of New York
Application June 26, 1943, Serial No. 492,425
12 Claims. (Cl. 19—70)



1. In combination, means for drafting a length of material containing an arrangement of fibers comprising a first pair of drafting rollers, a second pair of drafting rollers mounted in spaced relationship with respect to said first pair of rollers, and means for driving said first pair of rollers at a predetermined speed and said second pair of rollers at a greater speed, a source of substantially constant fluid pressure, a member providing passageway for said length of material and a chamber connected to said source and in communication with said passageway to provide a varying fluid pressure in said chamber in response to unevenness in successive portions of said length of material, and means responsive to said varying pressure for controlling said driving means to vary the relative speeds of said pairs of rolls to diminish said unevenness.

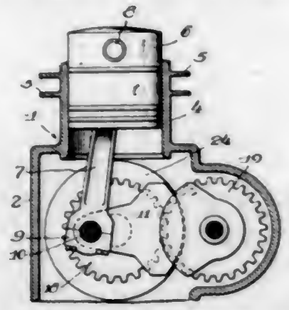
2,407,101
PIPE CUTTING AND TENONING MACHINE
Gustaf H. Rosenboom, Kalama, Wash.
Application December 23, 1943, Serial No. 515,459
1 Claim. (Cl. 144—205)



A device of the class described having in combination an expanding mandrel having a journal formed along the axis thereof, one end of said journal being threaded internally, a shaft disposed within said journal having a threaded end which occupies the threaded portion of said journal, a collar fixed on said shaft adapted to lock against the end of said journal, an operating lever rotatably mounted on said shaft adjacent to said collar, means for drivably con-

necting said lever to said shaft, tool carrying arms mounted on said lever, a screw feed for each of said arms, gearing between said shaft and screw feeds for operating the screw feeds as the operating lever is revolved with relation to said shaft.

2,407,102
INTERNAL-COMBUSTION ENGINE
Elmer Ryder, Berwyn, Ill.
Application June 4, 1943, Serial No. 489,613
1 Claim. (Cl. 74—604)



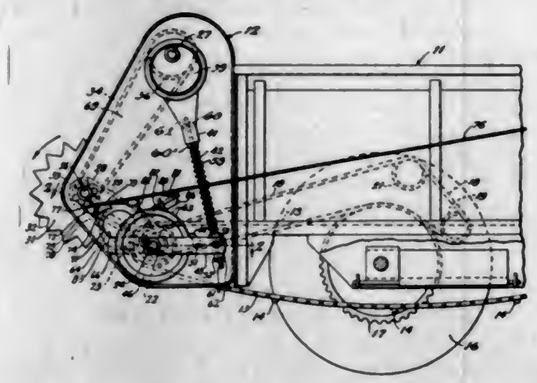
In an internal combustion engine comprising a single upright cylinder, a piston reciprocable in said cylinder, and a horizontally disposed crank shaft connected to and driven by the piston, an eccentric mass secured to the crank shaft, an auxiliary shaft mounted parallel to and disposed in the same horizontal plane as the crank shaft, gearing between the shafts whereby the auxiliary shaft is rotated oppositely to and at the same angular speed as the crank shaft, and an eccentric mass substantially equal in effect to the first mass secured to said auxiliary shaft, said masses being disposed at similar points in their cycles in their upper and lower positions, and in opposition to one another in their horizontal positions.

2,407,103
CARRIER FOR FULL-FASHIONED KNITTING MACHINES
Rudolf Johannes Scheller, Hickory, N. C.
Application August 23, 1944, Serial No. 550,733
2 Claims. (Cl. 66—126)



1. In a yarn carrier for full-fashioned knitting machines having a tube in its tip portion through which the yarn is fed, said carrier having a laterally projecting portion, and a spring clamp on said portion around which the yarn can be secured after being severed from the fabric and reversely led from the lower end of the tube to the spring clamp to thus hold the yarn on the front surface of the carrier, and a second spring clamp on the carrier into which the yarn may be placed after it has been secured in the first spring clamp.

2,407,104
MANURE SPREADER HAVING ADJUSTABLE FEED MECHANISM
William F. Schmied, Blue Island, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 23, 1943, Serial No. 515,338
10 Claims. (Cl. 74—116)

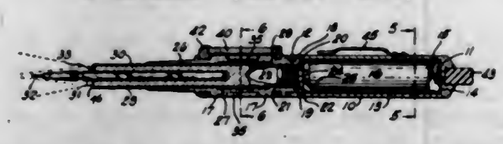


1. In a ratchet feed adjustment comprising, a ratchet wheel keyed to a shaft, an arm journally pivotable on said shaft, a pawl pivoted on said arm and adapted to engage said ratchet wheel, a reciprocable driving link having means associated with said arm, means for varying the effective length of the reciprocable driving link with respect to swinging said arm, said means for carrying the effective length comprising a cam adapted to contact a rearward extension of said arm and cause variable inclination of said arm upon rotation of said cam, and a second ratchet wheel integral with and adjacent said cam, a pawl adapted to engage and rotate said second ratchet wheel, whereby rotation of said second ratchet rotates said cam.

2,407,105
HIGH TENACITY FILAMENTARY MATERIALS
George W. Seymour and Walter Brooks, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 5, 1944, Serial No. 517,114
20 Claims. (Cl. 57—140)

9. Yarn having improved textile characteristics and quality comprising an organic ester of cellulose having applied thereto a lubricating fluid comprising mineral oil, a sulfonated oil, an animal oil lubricant, a hydroxyalkyl amine salt of a long chain fatty acid and a blending agent.

2,407,106
PENCIL
Allen P. Shelly, Denver, Colo.
Application March 3, 1944, Serial No. 524,943
4 Claims. (Cl. 240—6.46)



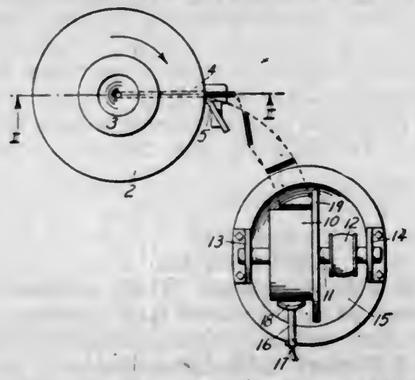
1. A combined flashlight and pencil comprising, in combination, a tubular casing having one end closed and the other open, a strip of conducting material extending from the closed end to a point adjacent the open end, the casing having a threaded section extending inwardly from the open end, a tubular member threadedly connected with the casing, a lamp socket positioned in

the inner end of the tubular member, the outer end of the socket having an inturned flange forming a stop for the base of a miniature electric lamp, the inner end of the socket having an outwardly directed flange terminating in an inwardly extending tongue positioned to contact with and overlap the outer end of the conducting strip, that part of the socket between the flanges being free from threads, a lamp positioned in the socket, a battery positioned in the casing, resilient means for urging the battery outwardly and electrically connecting it with the conducting strip, the center contact of the battery being positioned to engage the center contact of the lamp, whereby when the tubular member and the casing are rotated relative to each other to bring the tongue into engagement with the strip the lamp will be lighted, a cylindrical member of transparent material positioned in the tubular member, said transparent material having an axial opening, and a pencil in the opening.

2,407,107
PREPARATION OF STABLE DISPERSIONS OF ALKYL ALKACRYLATE POLYMERS
Joseph Edward Smith, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 5, 1943, Serial No. 485,757
12 Claims. (Cl. 260—32)

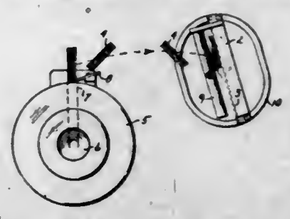
6. A stable aqueous dispersion of a polymerized alkyl alkacrylate containing from 10% to 40% of the dispersed alkacrylate which has been produced by the emulsion polymerization of the alkyl alkacrylate monomer dispersed in an aqueous solution of a water soluble partially saponified polyvinyl acetate having a saponification number of from 40 to 130 and a viscosity in a 4% aqueous solution at 20° C. of from 20 to 25 C. P. and in the presence of from 0.25% to 10.0%, based on the weight of the alkacrylate, of a refined petroleum hydrocarbon boiling above 110° C., the partially saponified polyvinyl acetate being present in an amount equal to at least 6% of the weight of the dispersed alkacrylate.

2,407,108
METHOD AND APPARATUS FOR CRIMPING FILAMENTARY MATERIALS
John E. Spalding, Nitro, and Dan B. Wicker, Dunbar, W. Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application October 4, 1941, Serial No. 413,702
17 Claims. (Cl. 19—66)



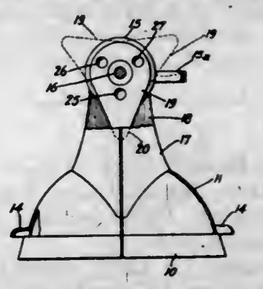
1. In a method of crimping textile fibers of spinnable length, the steps of imparting a high longitudinal velocity to a compact bundle thereof and causing the moving bundle to collide substantially endwise against an obstruction.

2,407,109
PRODUCTION OF STAPLE FIBER
Robert A. Smith, Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application July 18, 1942, Serial No. 451,486
9 Claims. (Cl. 19—66)



1. In a device adapted to subject fibers to opening, crimping or the like, an obstruction having an indented surface and means for impelling a clump of textile fibers of spinnable length at high velocity in free flight against said surface, said obstruction having a pitch distance facing the clump in its flight less than the effective dimension of the clump parallel thereto.

2,407,110
FLATIRON
Richard O. Spencer, Santa Monica, Calif., assignor to General Electric Company, a corporation of New York
Application August 29, 1944, Serial No. 551,658
2 Claims. (Cl. 38—79)

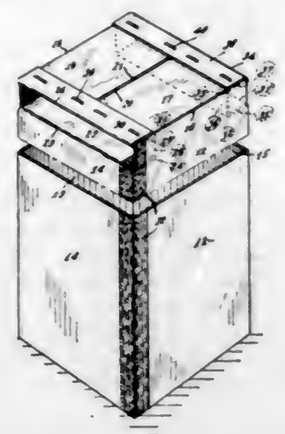


1. A flatiron comprising a handle having upright supports at the front and rear of the iron and also having a hand-grasping portion supported at the upper ends of said supports for axial rotation with reference to them, projections extending both from the front and rear ends of said hand-grasping portion and movable with it as it rotates to either of two positions at opposite sides of the vertical plane passing through the axis of rotation of said hand-grasping portion when said flatiron is in normal ironing position so as to support the handle out of contact with the work surface when the iron is tilted laterally in either direction, and means releasably holding said hand-grasping portion in each of said positions.

2,407,111
HAND GRIP AND CLOSURE FOR CARTONS
Robert Vance Thompson, Indianapolis, Ind.
Application March 18, 1943, Serial No. 479,573
18 Claims. (Cl. 229—52)

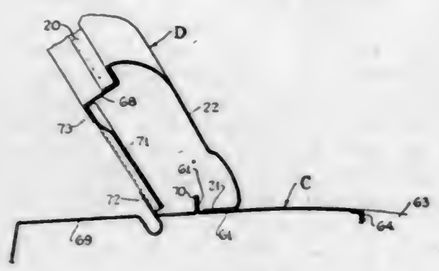
1. A carton having four angularly related walls each terminating in a tab defined by a transverse fold line, the fold lines in two opposite walls defining oppositely-facing tabs lying substantially in a common plane, the fold line in a third wall lying in a plane parallel with said common plane and disposed farther from the termini of said tabs, the tab defined by said last-named fold line being further formed with two additional fold lines substantially parallel with its defining fold line and positioned successively closer to the ter-

minus of said tab, said oppositely-facing tabs being folded inwardly toward each other substantially into said common plane, and said third tab being folded inwardly upon its first-mentioned fold line to provide a section having an extent substantially parallel with said common plane less than one-half the width of each of



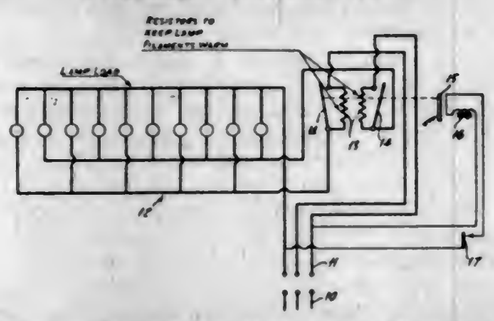
said two opposite walls, then folded upon its next adjacent fold line to provide a section substantially perpendicular to said common plane, and then folded outwardly upon its next adjacent fold line to provide a further section substantially parallel with said common plane, and means securing said last-mentioned section of said third tab to said two oppositely folded tabs.

2,407,112
VEHICLE BODY CONSTRUCTION
George Trautvetter, Jenkintown, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 11, 1941, Serial No. 374,138, which is a division of application Serial No. 34,493, August 3, 1935, now Patent No. 2,256,837, dated September 23, 1941. Divided and this application August 7, 1943, Serial No. 497,763
1 Claim. (Cl. 296—28)



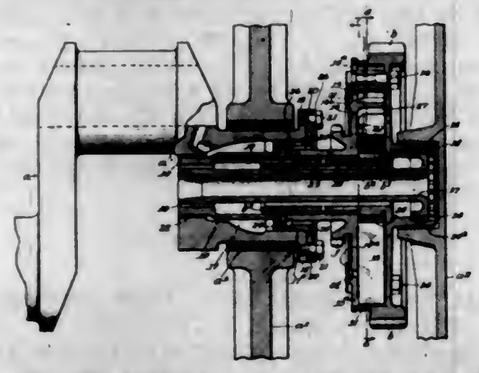
In an automobile body made of sheet material, such as of sheet metal, an outer panel arranged substantially below the belt line, a window opening in the body above said panel, inner and outer rails at the lower edge of the window opening, said panel having its marginal portion adjacent the window opening extended inwardly beyond the outer surface of the body, said inner and outer rails having flange connections with said inwardly extending portion of the panel and being connected with each other along the margin of the window opening to form a box-section construction reinforcing the panels and rails which constitute main structural members of the body.

2,407,113
METHOD OF AND APPARATUS FOR INCREASING INCANDESCENT LAMP LIFE
Davis H. Tuck, Redding Ridge, Conn.
Application November 7, 1944, Serial No. 562,316
4 Claims. (Cl. 315—291)



2. The method of increasing incandescent lamp life as compared with the life of the lamp with usual on and off operation, which comprises alternately inserting in series with the lamp a current limiting resistance when the lamp is being extinguished to bring the filament resistance to four to six times its cold resistance to correspondingly reduce filament temperature, and short circuiting the resistance without allowing the lamp to cool to room temperature.

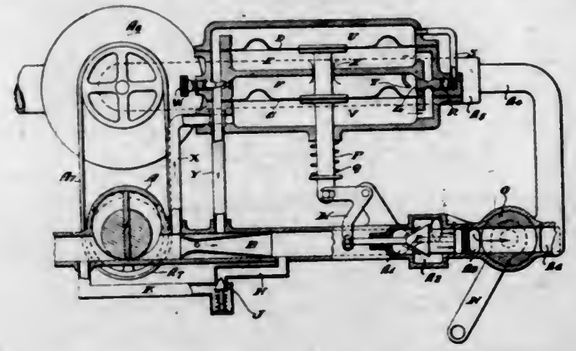
2,407,114
DRIVING MECHANISM
John M. Tyler, West Hartford, Conn., and Samuel K. Hoffman, Williamsport, Pa., assignors to The Aviation Corporation, New York, N. Y., a corporation of Delaware
Application July 19, 1943, Serial No. 495,242
7 Claims. (Cl. 74—411)



1. The combination with the crankshaft of an internal combustion engine, the shaft having a socket in one of its ends, of a resilient driving unit comprising a sleeve secured to the outer end of the shaft and extending into said socket, a driving member provided with a tubular hub extending into and having a splined connection to one end of said sleeve, a driven member having a sleeve extending into said hub, a gear fixed to said driven member, and resilient means between the members, for driving one member from the other.

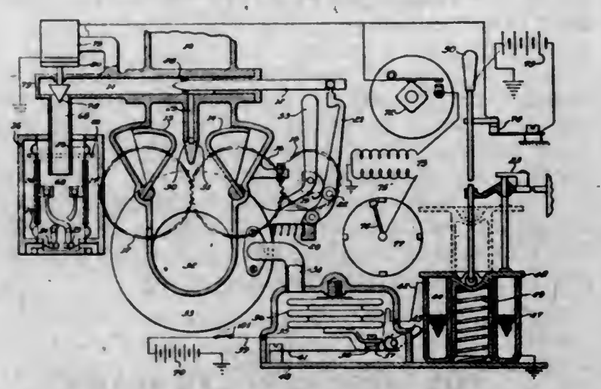
2,407,115
GOVERNOR
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application November 3, 1944, Serial No. 561,777
1 Claim. (Cl. 158—36.4)

An anticipatory hydraulic governor of the type which regulates the speed, when the speed is increasing, before the speed reaches the desired speed, adapted for use with a liquid fuel pump connected to a prime mover which is adapted to be driven by the fuel supplied by said pump and to drive said pump at a speed proportional to the speed of the prime mover, said liquid fuel pump being of the type that has a constant displacement per revolution, an outlet from said pump, a fuel venturi therein, a balanced throttle valve in said outlet, a diaphragm responsive to the pressure difference created by the flow through said venturi connected to said valve, a second diaphragm also responsive to the pressure difference created by said flow and also connected to said throttle valve, a passage connecting the pres-



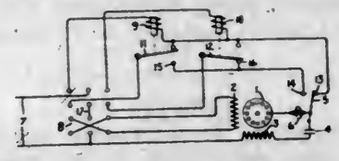
sure side of said venturi to the pressure side of one of said diaphragms, a passage connecting the pressure side of said diaphragms together, an automatic valve therein, yielding means operating to move said automatic valve into the position in which said passage is obstructed so that only one of said diaphragms is operative, means responsive to a sudden increase in speed of flow to move said automatic valve against said yielding means so as to open said connecting passage to render both of said diaphragms operative, so as to close said throttle valve rapidly when the speed of the prime mover is increasing rapidly.

2,407,116
SAFETY DEVICE
Stanley M. Udale and Wynton R. Buick, Detroit, Mich., assignors to George M. Holley and Earl Holley
Application October 16, 1944, Serial No. 558,917
3 Claims. (Cl. 123—102)



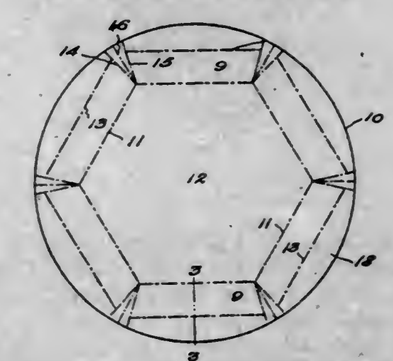
1. A safety device for a supercharged internal combustion engine of the electric ignition type having an engine driven supercharger, the pressure of which increases with engine speed, a carburetor with a liquid fuel supply passage incorporated in the carburetor and delivering liquid fuel to the engine, automatic means responsive to an increase in the supercharger pressure for simultaneously interrupting the flow of liquid fuel to the engine and also the flow of electricity to the ignition system, manually operated means for re-establishing the liquid fuel flow and the ignition circuit.

2,407,117
QUICK REVERSING CAPACITOR MOTOR
Wilbur W. Warner, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application February 26, 1945, Serial No. 579,708
5 Claims. (Cl. 172—279)



1. A quick reversing capacitor motor having displaced main and start field windings, capacitance in series with the start winding, an automatic switch for opening the starting winding circuit when the motor comes up to speed during a starting operation, said switch having a running contact to which one end of the starting winding circuit then becomes connected, a pair of relays at least one of which is adapted to be energized through the automatic switch during the starting operation, said relays both having a movable contact and stationary contacts for establishing holding-in circuits for the relays when energized and connections to said running contacts when deenergized, a double-throw reversing switch for reversing the motor by reversal of the main field of the motor, said switch establishing a connection to the other end of the starting winding circuit in both of its reversing positions, to the movable contact of one of said relays in one of its reversing positions and to the movable contact of the other of said relays in its other reversing position, energizing terminals for said motor so arranged that the energizing current for the main winding of the motor flows through one or the other of said relays depending upon the position of the reversing switch, and constitutes the holding-in current of such relay and prevents it dropping out when the automatic switch opens the starting winding circuit during a starting operation, said other relay (in deenergized position) and automatic switch (on its running contact) then partially establishing a regenerative braking circuit for the motor wherein the main and start motor windings and capacitance are connected in series, which circuit is completed upon reversal of the reversing switch.

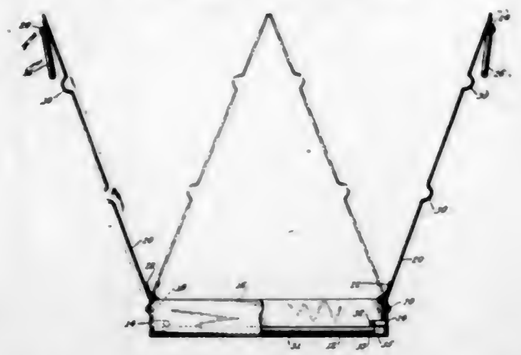
2,407,118
METHOD OF MAKING SHALLOW BAKING PLATES OF CELLULOSE MATERIAL
Harry F. Waters, New York, N. Y.
Original application August 15, 1940, Serial No. 352,679. Divided and this application April 20, 1942, Serial No. 439,638
2 Claims. (Cl. 93—49)



1. The method of making shallow plates from sheets which comprises providing an integral

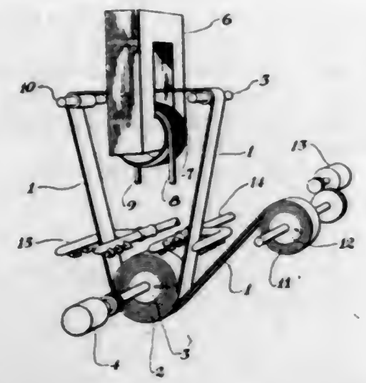
blank of sheet-like cellulosic blank, folding said blank along a plurality of lines to form a hexagonal flat bottom panel, upwardly sloping side walls constituted of a plurality of plane side panels, and a circular flat marginal flange having a hexagonal inner edge, and folding the excess material between said side panels into closed pleats whereby a plate having an inner surface constituted of plane surfaces is obtained.

2,407,119
ACCOUNTING AND FILING SYSTEM
Herbert Weston, New York, N. Y.; vested in the Alien Property Custodian
Application December 26, 1941, Serial No. 424,406
2 Claims. (Cl. 129—16)



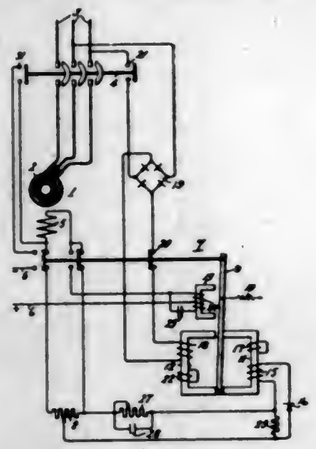
1. In a receptacle for card indexing devices comprising a container, positioning means for cards comprising a ladder-like structure having longitudinally extending members formed with outwardly bent ends to engage the side walls of the container, transversely extending positioning members secured in predetermined spaced relation below the longitudinally extending members and lugs on the transversely extending positioning members to support the ladder-like structure at a predetermined distance above the bottom of the container.

2,407,120
STRIP PROCESSING
Golder P. Wilson, Alton, Ill., assignor to Olin Industries, Inc., a corporation of Delaware
Application May 22, 1944, Serial No. 536,752
6 Claims. (Cl. 219—13)



1. In an electric induction furnace, the combination which comprises an alternating electromagnetic field, means for unwinding metal strip from a coil, means for advancing said strip through said alternating electromagnetic field, and means for bringing said strip and said coil together to provide an electrical contact therebetween.

2,407,121
FIELD CONTROL SYSTEM FOR SYNCHRONOUS MACHINES
Fred H. Winter, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 27, 1943, Serial No. 511,974
10 Claims. (Cl. 171—118)

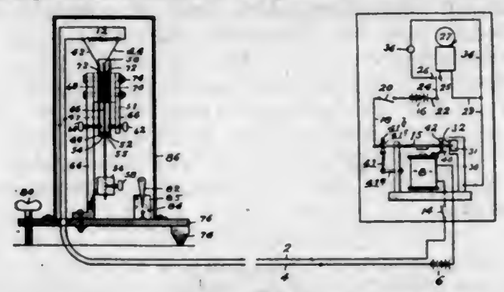


1. For use with a synchronous motor having an armature winding and a field winding, means for supplying alternating current to said armature winding, and a source of excitation for said field winding, a device for controlling the connection between said source and said field winding comprising a movable armature member having a switch closed position and a switch open position, means normally biasing said member to the switch open position, an electromagnet associated with said member so as to exert thereon a force in a direction to maintain said member in the switch open position and having an energizing winding, means controlled by said movable member for connecting said energizing winding in circuit with said field winding when said member is in the switch open position, a second electromagnet associated with said member so as to exert thereon a force in a direction to move said member from the switch open position to the switch closed position and having an energizing winding, a source of direct current, means controlled by said member for effecting the energization of said last mentioned energizing winding from said source of direct current when said member is in the switch open position, and a third electromagnet associated with said member so as to exert thereon a force in a direction to maintain said member in the switch closed position and having an energizing winding, and means controlled by said member for connecting said last mentioned winding in series with said field winding and said source of excitation when said member is in the switch closed position.

2,407,122
PORTABLE BURGLAR ALARM
Charles E. Young, Kansas City, Mo.
Application April 3, 1942, Serial No. 437,551
1 Claim. (Cl. 200—52)

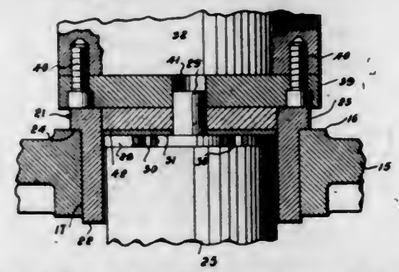
In a portable burglar alarm, a pair of resilient spaced vertical conductors arranged adjacent to each other, a vertically disposed resilient pendulum suspended between but out of engagement with said conductors, supporting means including a standard arranged adjacent to one of the conductors and a vertical arm disposed adjacent to the other conductor, insulated means interposed between the upper portions of the conductors and the pendulum and between the standard and the

arm, means for rigidly clamping the upper portions of the foregoing elements together, means carried by the standard and the arm and having a swivel connection with each conductor for adjusting the lower portions of the latter toward or away from the pendulum, and means for normally retaining the standard and the arm in vertical position to normally maintain the pendu-



lum in neutral position, said pendulum being adapted to gravitate and carry one of its contacts into engagement with one of the other contacts and close an alarm circuit if the standard is tilted in one direction or, gravitate in an opposite direction and carry its other contact into engagement with the companion contact and close the alarm circuit if the standard is tilted in a reverse direction.

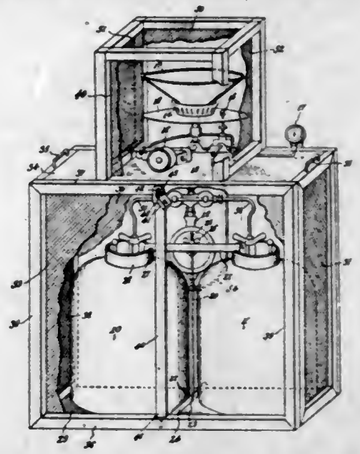
2,407,123
PRESS
Hugh V. Allison, Fairfield, Conn., assignor to The Allison Company, Bridgeport, Conn., a corporation of Connecticut
Application October 1, 1943, Serial No. 504,636
1 Claim. (Cl. 18—16)



In a machine for molding articles, a die holder having a vertical opening therethrough, means for closing the upper side of said opening, a ram movable into and through said die holder from the lower side thereof, a pair of die plates insertable into and removable from said die holder, said pair of die plates comprising a bottom die plate resting on said ram when in said die holder, a centrally located core projecting from the upper side of said die plate, an inner die plate on said bottom die plate and having a centrally located opening through which said core projects, said bottom die plate having holes therethrough in spaced relation to said core, and said ram when moved through said die holder adapted to move said die plates out through the upper side of the latter.

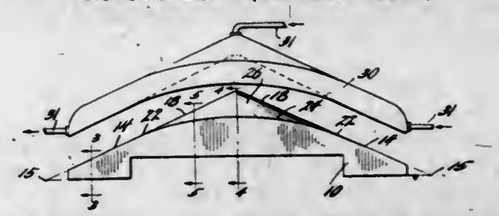
2,407,124
CASING FOR TRUCK AND FREIGHT CAR HEATERS
Peter A. Anderson, Portland, Eric Martin Anderson, Sr., Westbrook, Earl W. Hansen, Bangor, and John H. Edwards, Portland, Maine, assignors to Utilities Distributors, Inc., Portland, Maine, a corporation of Maine
Application April 30, 1943, Serial No. 485,226
4 Claims. (Cl. 220—55)

1. For use with a pair of supply and reserve gas containers, a casing for receiving same, a removable vertical panel for the casing through which the containers may be introduced and removed and having a socket in an intermediate lower part, a fixed base sill in the casing between the containers with a forwardly-extending notched end removably received into said socket, a bar positioned and constructed to hold the



containers down in the casing, a tie-member connecting said bar and base sill, a hasp bar for said removable panel having an end removably received into said socket and the notch of the base sill, and locking means carried on the casing and engaging said hasp bar to prevent said end of the hasp bar from being removed from said socket and notch.

2,407,125
LAUNDRY MACHINE
William J. Asher, Colorado Springs, Colo.
Application March 21, 1945, Serial No. 583,928
10 Claims. (Cl. 223—52.1)

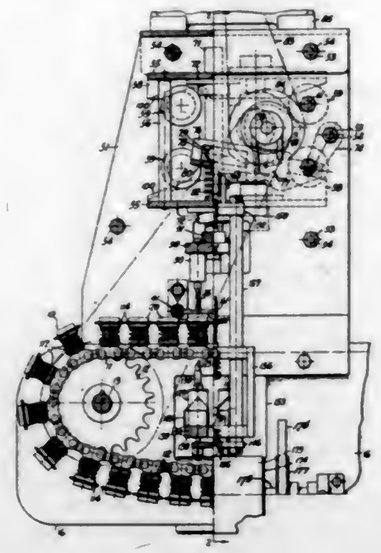


1. A buck for a collar pressing machine having a collar-engaging surface generally shaped like a low-pitched gable roof, two planes forming a portion of the said surface and substantially intersecting near one edge of the buck, the remainder of said surface comprising a generally conical segment having its apex near said intersection and meeting the opposite edge of the buck in an arc below said apex and with its opposite ends in said planes.

2,407,126
METHOD OF PITTING FRUIT
George W. Ashlock, Jr., Oakland, Calif.
Application September 24, 1945, Serial No. 618,249
2 Claims. (Cl. 146—238)

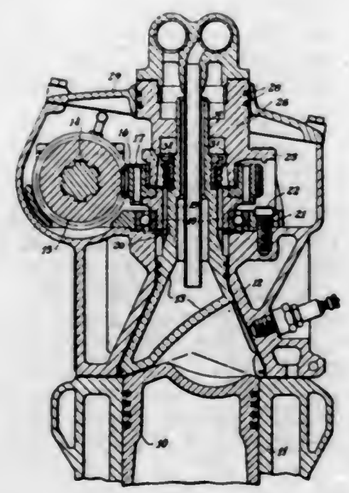
1. A method of removing a pit from a fruit comprising engaging the sides of said fruit, which has been oriented with the long axis of the pit in substantial alignment with a plunger and coring knife, in a resilient supporting zone providing a confining engagement of said fruit, inserting a plunger through an end of said supported fruit to engage and press upon the end of the pit therein, inserting a hollow coring knife into the fruit in axial alignment with the plunger until the knife engages the end of the pit opposite that engaged by the plunger and the core is within

the knife, said knife being smaller in diameter than the pit with the pit seating on the knife edge, the core thereby maintaining the alignment of the pit on the knife edge, then sliding the fruit along the plunger to break the pit loose, while said pit is engaged at its opposing ends, and moving the plunger and knife in axial alignment and in the same direction through the fruit with



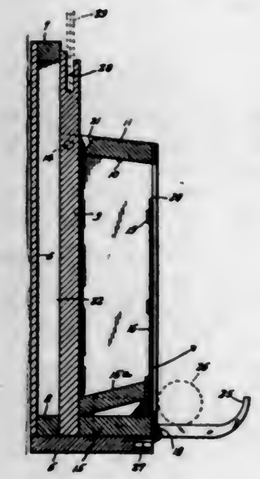
the pit jammed therebetween to remove the pit through the cored fruit and out the end thereof substantially without crushing damage to the cored end of the fruit, removing the fruit supporting zone together with the fruit away from the pit substantially simultaneously with the ejection of the pit from the fruit, and retracting the knife and the pit supported thereby from said supporting zone.

2,407,127
DRIVING MEANS FOR ROTARY VALVES OF INTERNAL-COMBUSTION ENGINES, COMPRESSORS, AND THE LIKE
Frank Metcalf Aspin, Bury, England
Application May 19, 1944, Serial No. 536,328
In Great Britain March 12, 1943
7 Claims. (Cl. 123—80)



1. A rotary valve assembly for internal combustion engines, compressors and the like comprising a housing having a conical valve seating, a rotary valve member having a stem part and a conical head at one end of the stem complementary to said conical seating, a pinion hub, longitudinal internal splines on said hub, external longitudinal splines on said stem, a pinion on said hub, a pair of bearings mounted on said hub and pinion, said hub, pinion and bearings constituting an assembled unit, a driving gear mounted laterally of said pinion in said unit, said splines being directly in mesh and permitting relative lateral and axial freedom of movement of the said stem and driving pinion so that the rotary valve member may at all times find its effective seating position whilst lateral or other thrust on the driving pinion is taken by the bearings.

2,407,128
MAIL BOX
Eugene J. Axnix, South Bend, Ind., assignor of fifteen per cent to Dan Preger, fifteen per cent to David Preger, and fifteen per cent to Elizabeth Kuzmich, South Bend, Ind.
Application April 26, 1945, Serial No. 590,320
1 Claim. (Cl. 232—17)



In a device of the class described, a fixed shelf, a box having a deposit opening therein and a back upstanding from said shelf and fixed thereto, said box including a body having a bottom resting on said shelf and a top swingably mounted on said back whereby said body may be swung upwardly and forwardly of said shelf to cause contents of the body to be deposited on the shelf, said body having a false bottom sloping toward said back to facilitate deposit of the contents of the box onto said shelf.

2,407,129
PROCESS OF HALOGENATION
Anthony F. Benning, Woodstown, N. J., and Joseph D. Park, Wilmington, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 14, 1944, Serial No. 526,475
3 Claims. (Cl. 260—653)

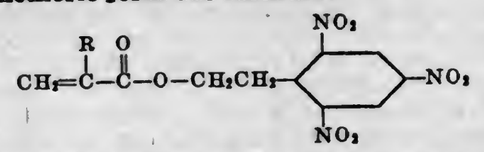
3. A process for the preparation of halogenated derivatives of hydrocarbons which comprises reacting hydrogen fluoride and chlorine simultaneously with methane in the presence of chromium fluoride at a temperature between about 275° and 550° C. and separating the products by distillation.

2,407,130
METHOD OF MAKING SALT WATER SOAP
James Blades, Barberton, Ohio, assignor to Kamen Soap Products Co., New York, N. Y., a firm
No Drawing. Application August 23, 1944, Serial No. 550,853
6 Claims. (Cl. 252—121)

1. The process of making a salt water soap consisting in heating a mixture of substantially 5.55 parts by weight of naphthalene and of substantially 15.45 parts by weight of lauryl alcohol at a temperature of about 40° C. when a slurry is formed, thereupon cooling the resulting slurry to a temperature of about 20° C., thereupon slowly adding about 20.4 parts by weight of fuming sulphuric acid while maintaining the temperature below about 25° C. to form a sulphonated mass of naphthalene and lauryl alcohol, then raising the temperature to about 30° C. and holding at this temperature for about 3 hours, thereupon mixing the resulting liquid with an aqueous alkali metal hydroxide solution to substantially neutralize the same, thereupon mixing said substantially neutral sulphonated mass with about sixty parts by weight of body forming substances consisting principally of anhydrous soap and water and cooking until a suitable form retaining substance is produced.

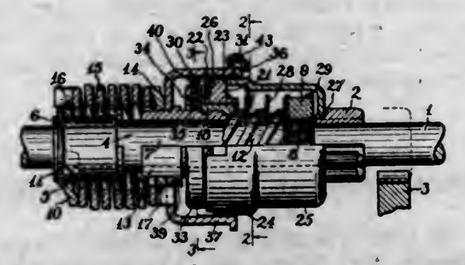
2,407,131
PLASTICS
Herman A. Bruson and George B. Butler, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 21, 1944, Serial No. 519,193
9 Claims. (Cl. 260—83)

1. As a new compound, a substance having in its monomeric form the formula:



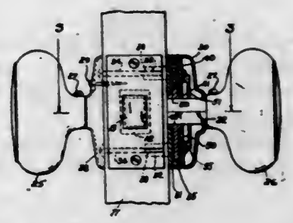
wherein R is a member of the group consisting of hydrogen and methyl.

2,407,132
ENGINE STARTER GEARING
James E. Buxton, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 29, 1944, Serial No. 570,376
5 Claims. (Cl. 74—7)



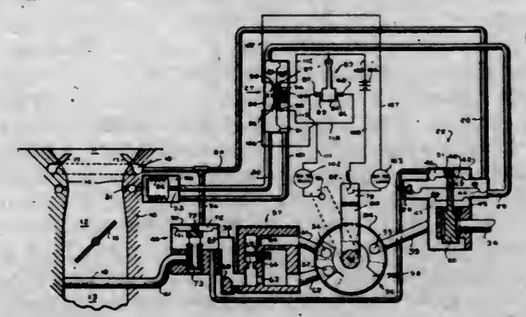
1. In an engine starter drive, a power shaft, a pinion slidably journalled thereon for movement into and out of mesh with a gear of an engine to be started, a screw shaft mounted on the power shaft, means connecting the screw shaft to rotate with the power shaft, a nut on the screw shaft, means including a disconnectable clutch for actuating the pinion by the nut, a centrifugal latch member on the nut, a second centrifugal member and means for mounting the second centrifugal member for rotation with the screw shaft in position to cooperate with the latch member and prevent the nut from movement on the screw shaft to demesh the pinion.

2,407,133
DOOR LATCH
Robert C. Cerf, Los Angeles, Calif., assignor to Pacific Plastic and Manufacturing Company, Los Angeles, Calif., a corporation of California
Application February 10, 1945, Serial No. 577,176
3 Claims. (Cl. 292—359)



1. In a door lock, locking means for a knob-and-spindle-actuated retractable bolt means operable from one side of a door at times to hold the spindle against turning, comprising a shallow cylinder positioning member concentric with the spindle attachable at its base to a door, a notched locking disk adapted to rotate within said positioning member and non-rotatably connected to said spindle, a covering disk non-rotatably attached to said positioning member having an opening adapted to receive a locking bar, rocker means rockably mounted on said covering disk, a locking bar extending parallel to the spindle from one end of said rocker means adapted at times to simultaneously engage the openings in said covering disk and the notch in said locking disk, and push button means affixed on opposite ends of said rocker means for rocking said rocker means to engage and disengage said locking bar.

2,407,134
ENGINE SIGNAL APPARATUS
Milton E. Chandler, New Britain, Conn., assignor to Chandler-Evans Corporation, South Meriden, Conn., a corporation of Delaware
Application August 11, 1943, Serial No. 498,138
7 Claims. (Cl. 177—311)

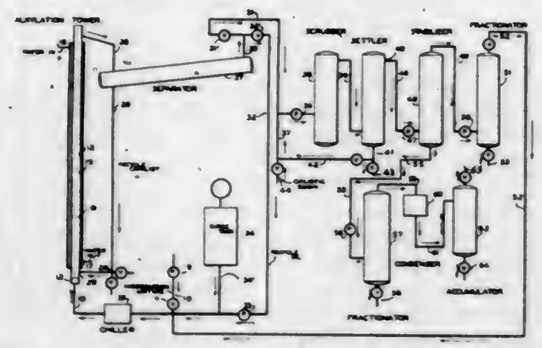


7. Signal apparatus, comprising in combination, signal means to indicate the need for a change in the ratio of fuel and air supplied to an internal combustion engine, and means responsive to the resultant of the rate of flow of combustion air to said engine and a condition affecting the temperature of said engine for operating said signal means.

2,407,135
FURNACE LINING
Horace N. Clark, Bound Brook, N. J., assignor to Refractory & Insulation Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 8, 1943, Serial No. 501.522
6 Claims. (Cl. 106—104)

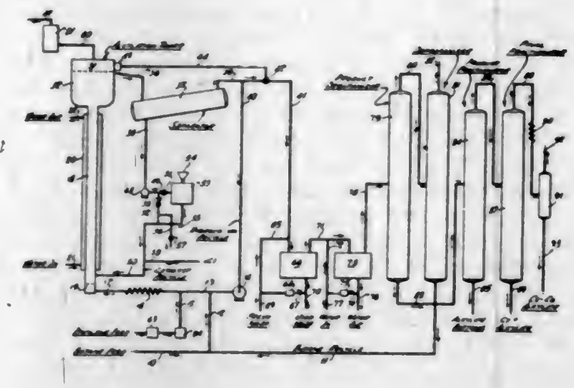
1. In a furnace, a lining made from a refractory concrete consisting of an intimate mixture of an inert filler with an aluminous cement binder comprising about 60 to 75% alumina, about 20 to 40% CaO and less than 2% iron oxides, the remainder of the concrete being formed by an inert filler.

2,407,136
ALKYLATION OF HYDROCARBONS
Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 24, 1942, Serial No. 470,043
9 Claims. (Cl. 260—683.4)



1. The method of continuously alkylating a hydrocarbon having a replaceable hydrogen atom with an alkylating agent in the presence of an alkylation catalyst of greater specific gravity than the hydrocarbon and alkylating agent, which comprises maintaining an undispersed liquid body of the alkylation catalyst of substantial height as the continuous phase in a reaction zone, continuously dispersing a fresh feed of mixed hydrocarbon and alkylating agent substantially free from alkylation catalyst and with the hydrocarbon in liquid phase into a lower portion of the liquid catalyst body without dispersion of the latter to form a multitude of fine liquid drops of mixed hydrocarbon and alkylating agent which rise in dispersed form through a substantial height of the continuous catalyst phase due to difference in gravity therebetween, whereby alkylation of the hydrocarbon with the alkylating agent to form normally liquid alkylate takes place as the principal reaction of the process, the dispersed drops coalescing to form a hydrocarbon phase upon reaching the upper surface of the liquid catalyst body, continuously removing a stream containing the coalesced hydrocarbon phase, settling any entrained catalyst from the removed stream to provide a hydrocarbon layer substantially free from catalyst, recycling a major portion of the hydrocarbon layer containing alkylate and substantially free from catalyst and mixing the same with the fresh feed for redispersion unmixed with alkylation catalyst into the lower portion of the catalyst body, recovering a substantially saturated hydrocarbon alkylate from a minor portion of said hydrocarbon layer, and adding fresh alkylation catalyst directly to the maintained body without premixing with said fresh feed as the operation proceeds to preserve the alkylating activity thereof.

2,407,137
ALKYLATION OF HYDROCARBONS
Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 12, 1944, Serial No. 535,261
11 Claims. (Cl. 260—683.4)

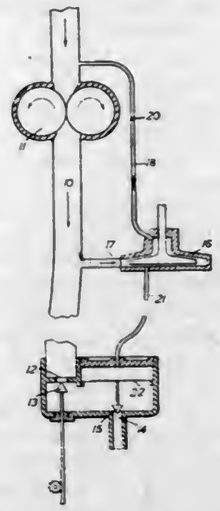


1. In the alkylation of a paraffin with an olefin in the presence of an activated aluminum halide-hydrocarbon complex catalyst, the improvement which comprises maintaining a liquid body of the activated aluminum halide-hydrocarbon complex catalyst of substantial height as the continuous phase in an alkylation reaction zone, introducing a mixed feed of paraffin and olefin unmixed with catalyst with at least the paraffin in liquid phase and in substantial molar excess of the olefin, through a dispersing orifice into the liquid catalyst body without sufficient agitation to produce an emulsion therewith, the mixed paraffin and olefin being thereby dispersed in the liquid catalyst body in the form of drops which rise through a substantial height of the continuous catalyst phase due to difference in gravity therebetween, the drops being of small size providing substantial surface contact between the drops and the continuous catalyst phase whereby alkylation of paraffin with the olefin is effected as the principal reaction in the process, the dispersed drops upon reaching the upper surface of the liquid catalyst body coalescing to form a superposed liquid hydrocarbon layer, withdrawing a stream from the superposed hydrocarbon layer, passing said stream to a separator where any entrained catalyst drops out leaving a hydrocarbon phase substantially free from catalyst, recycling a major proportion of the said hydrocarbon phase substantially free from catalyst for reintroduction with the fresh paraffin and olefin feed through the dispersing orifice into the liquid catalyst body, discharging a minor proportion of said hydrocarbon phase and recovering a substantially saturated hydrocarbon alkylate therefrom.

2,407,138
CHEMICAL COMPOUNDS AND PREPARATION THEREOF
Albert M. Clifford and Joy G. Lichty, Stow, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application April 25, 1942, Serial No. 440,466
5 Claims. (Cl. 260—302)

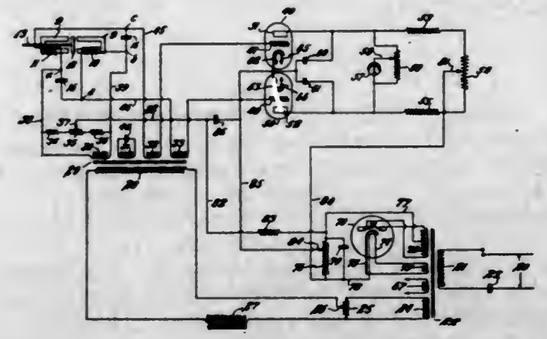
1. The process of producing a 2-cyanoethyl 2-thiazyl sulphide which comprises condensing one mol of a 2-mercapto-thiazole with one mol of acrylonitrile in the presence of a catalyst.

2,407,139
SYSTEM FOR PRODUCING REGULATED LIQUID PRESSURE
William Charles Clothier, Beatrice Naylor, and John Ernest Patrick Dunning, Farnborough, Hants, England, assignors to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England
Application February 14, 1944, Serial No. 522,352
In Great Britain July 7, 1941
9 Claims. (Cl. 103—11)



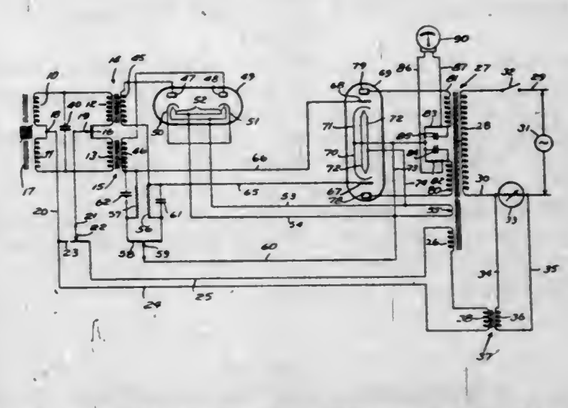
1. A system for regulating an adjustable flow control valve comprising a duct for supplying liquid under pressure, means for producing a pressure difference between two parts of the duct, a driven centrifugal pump for producing a pressure difference less than the pressure difference between the two parts of the duct, said centrifugal pump having an intake near its periphery connected to the high pressure part of the duct and an outlet nearer its eye connected to the low pressure part of the duct, so that the liquid passes through the centrifugal pump in a direction opposed to the pressure gradient therein, and means responsive to pressure changes in said pump for actuating the valve to be regulated.

2,407,140
ELECTRIC MICROGAUGE SYSTEM
Charles F. Coake, Indianapolis, Ind., assignor to Senn Corporation, New Augusta, Ind., a corporation of Indiana
Application August 2, 1944, Serial No. 547,766
20 Claims. (Cl. 177—351)



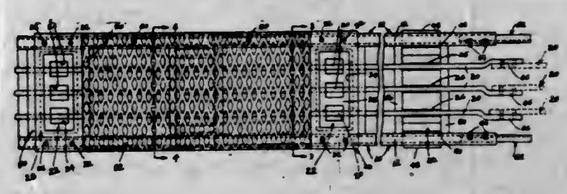
1. An electric measuring system comprising a Wheatstone bridge circuit including a pair of parallel series resonant branches each having an inductive leg and a capacitive leg connected in series with the elements of the two branches reversed in order so that like elements appear in diagonally opposite legs, means supplying a given alternating voltage across opposite corners of said bridge and an output circuit connected across other opposite corners of said bridge, means oppositely varying the reactance of a pair of like elements of said bridge in accordance with the quantity being measured to produce a phase shift in said output circuit which is a function of said variation, and means measuring said phase shift.

2,407,141
ELECTRIC MICROGAUGE SYSTEM
Charles F. Coake, Indianapolis, Ind., assignor to Senn Corporation, New Augusta, Ind., a corporation of Indiana
Application February 15, 1945, Serial No. 578,074
10 Claims. (Cl. 177—351)



1. An electric measuring system comprising inductive and capacity elements connected to form a bridge circuit, means supplying an alternating voltage of predetermined frequency across one diagonal of said bridge, said inductive and capacity elements being related to form a pair of circuits resonant at said frequency, a pair of output circuits connected respectively across a pair of like elements of said bridge to carry equal currents when said bridge is in balance near the point of resonance, means oppositely varying the reactance of a pair of like elements of said bridge in accordance with the quantity being measured to change the tuning of said resonant circuits and to produce a corresponding unbalance in the currents in said circuits, and means responsive to the unbalance between said currents.

2,407,142
BUS DUCT
Louis W. Cole, New York, and Helge Jensen, Flushing, N. Y., assignors to Cole Industries, Inc., Long Island City, N. Y., a corporation of New York
Application November 17, 1942, Serial No. 465,882
6 Claims. (Cl. 173—334.1)



5. In a bus-duct, a longitudinally extending duct in which the buses are positioned, said duct comprising a pair of longitudinal members dis-

posed in laterally spaced relation, each of said members having a main wall and flanges projecting outwardly from said main wall at the opposite edges thereof, said main walls of the two longitudinal members being in confronting surface relation, and a plurality of plates disposed at the opposite sides of the duct in spaced relation longitudinally thereof, and secured at their opposite ends to the adjacent flanges, respectively, of said longitudinal members, said plates having laterally projecting portions extending between and having their opposite ends in engagement with said confronting wall surfaces, respectively, to prevent movement of said longitudinal members toward each other, said plates having flanges at their opposite ends engaging the ends of adjacent flanges, respectively, of said longitudinal members to hold the latter against movement away from each other.

2,407,143

ADHESIVES AND A PROCESS OF PRODUCING SAME

Theodor Daur, Mannheim, and Walter Daniel, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian

No Drawing. Application April 4, 1941, Serial No. 386,860. In Germany April 30, 1940
3 Claims. (Cl. 260—4)

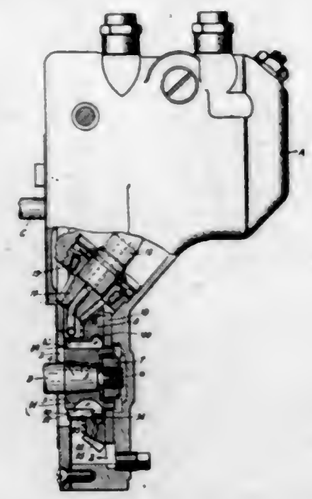
3. A stable adhesive comprising phosphorus oxychloride treated natural rubber dissolved in monomeric styrene and from 0.1% to 5% of ethylamine as a stabilizer.

2,407,144

RESILIENT DRIVE GEARING

Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application October 7, 1942, Serial No. 461,183
5 Claims. (Cl. 64—27)



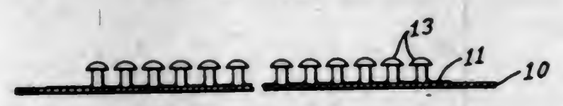
1. A resilient drive gearing comprising a shaft, a gear on said shaft, and a resilient driving connection between said shaft and gear, said driving connection comprising a driving member rotatable with said shaft and supporting said gear, a member mounted in said gear for rotary movement relative thereto, an abutment member rigid with said gear, a spring interposed between said abutment member and the member that is mounted in said gear for rotation relative thereto, and an axially slidable driving connection between said driving member and the member that is mounted in said gear for rotation relative thereto.

2,407,145

METHOD OF HANDLING SMALL ARTICLES IN ELECTROLYTIC TREATMENT

Charles Tennant Elwin, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application November 8, 1941, Serial No. 418,370
4 Claims. (Cl. 204—23)



1. The method of racking small metallic articles of like uniform character upon a portable support member for electrolytic treatment of the character of electroplating or anodizing which comprises the use of a portable imperforated flat electrical conductor plate of relatively thin material to one side of which is applied an adhesive material immune to the electrolyte and of a frangible character when in a dry state, applying the articles in a prearranged manner and a separated state to the adhesive side of said plate and setting a relatively small portion of each article into said adhesive material while in a tacky state, applying sufficient axial pressure upon each of said prearranged articles to squeeze the adhesive material from between the adjacent surfaces of said articles and plate and establish electrical contact therebetween, said displaced adhesive material forming an anchor fillet about each of the articles adjacent the point of contact, maintaining the articles in a fixed manner relative to the plate until said adhesive material has set, subjecting said articles to an electrolytic treatment of the character mentioned above and thereafter breaking them away from said support as individual units.

2,407,146

METHOD OF COATING SURFACES WITH POWDER

Christopher Phillip Fagan, Danbury, England, assignor to Radio Corporation of America, a corporation of Delaware

No Drawing. Application May 1, 1944, Serial No. 533,667. In Great Britain February 26, 1943
2 Claims. (Cl. 117—33.5)

1. In the manufacture of end-view screens having a conducting surface on a carrier body the method which includes the steps of applying to the carrier body a fine suspension of silver oxide in amyl acetate containing pyroxylin, drying the suspension, reducing the homogenous oxide in hydrogen around 90° C., baking, wetting the thus-produced white silver surface on the carrier body with a 1% solution of silicon tetraethyl in ethyl oxalate, dusting upon the silicon ester film a powdered fluorescent material, and baking at 350° C.

2,407,147

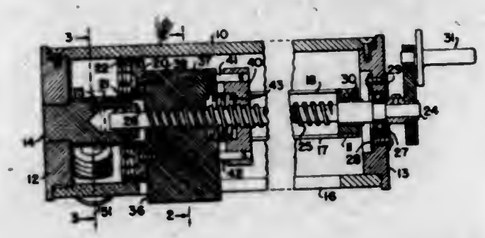
ADJUSTABLE TRANSMISSION LINE

Nicholas V. Fedotoff, Lynbrook, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application February 27, 1945, Serial No. 579,975
12 Claims. (Cl. 178—44)

1. A transmission line of adjustable electrical length comprising, a first conductor, a second conductor having an axially extending slot and a predetermined spaced relation to said first conductor, an adjustable member movable in a predetermined path in the space between said conductors for varying the electrical length of the transmission line including said conductors, a

driving member disposed within said second conductor for exerting a controllable driving force along said line, and means projecting through said slot into mechanical-coupling engagement



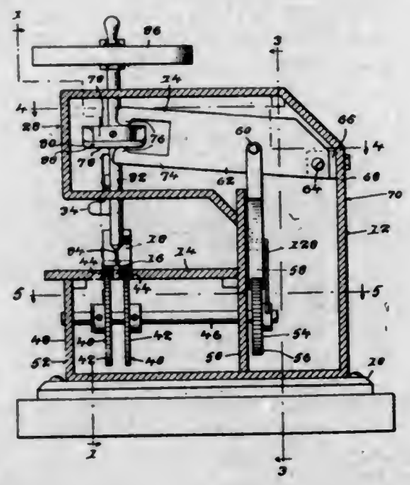
with said adjustable member and said driving member for effecting a displacement of said adjustable member along said path by said driving member.

2,407,148

SEWING MACHINE

Iván M. A. García, Bremerton, Wash.

Application September 8, 1942, Serial No. 457,668
5 Claims. (Cl. 112—198)



1. A sewing machine for uniting woven superposed fabrics, comprising a needle bar mounted for both rotary and reciprocatory movement, means for continuously rotating the needle bar, a needle carried by the needle bar having a hook shaped to pass freely through the fabrics and to pull threads from the fabrics upon withdrawal of the needle to form a loop from the thread, a cam means acting on the needle bar to reciprocate the same during rotation, whereby the said needle is caused to pass through the fabric and after a half-turn of the needle to pick up the threads and then to withdraw the needle from the fabric and after the next half-turn to withdraw said loop and impart a twist thereto.

2,407,149

STABILIZED 2-CHLOR-BUTENE-2

Clyde B. Gardenier, Belleville, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

No Drawing. Application September 8, 1944, Serial No. 553,280
6 Claims. (Cl. 252—364)

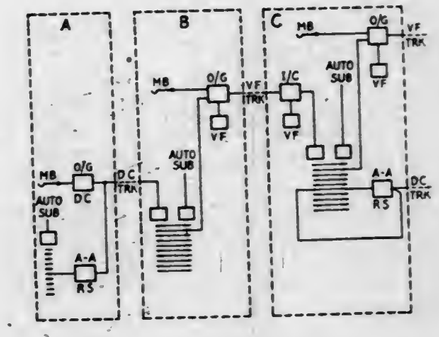
6. A composition of matter comprising 2 chlor butene 2, chloroform and an aliphatic liquid alcohol.

2,407,150

TELEPHONE OR LIKE SIGNALING SYSTEM

Charles Gillings, Charles Edmund Beale, and Teseo Bruno Dante Terroni, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., a corporation of Delaware

Application September 18, 1943, Serial No. 502,884
In Great Britain October 15, 1942
7 Claims. (Cl. 179—27)



1. In a telephone system wherein a connection is established to a called station by automatic switches controlled over a voice frequency signaling trunk including means responsive to a disconnect at the calling end to transmit a forward signal to release said switches, a source of impulses comprising alternating current of determined voice frequency interrupted at predetermined intervals accessible to the called end of said trunk, means in said trunk responsive to a disconnect at the called station to connect said source of impulses to the trunk as a clearing signal whereby the calling station disconnects and the forward signal is transmitted, and means responsive to said forward signal to disconnect the clearing signals from the trunk before the said switch release is initiated.

2,407,151

EXPLOSIVE COMPOSITION

Richard C. Glogau, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 17, 1944, Serial No. 549,959
12 Claims. (Cl. 52—14)

1. A method of preventing the caking of explosive compositions containing ammonium nitrate, which comprises coating the ammonium nitrate particles with a finely divided material taken from the group consisting of the difficultly soluble inorganic silicates and precipitated silica.

2,407,152

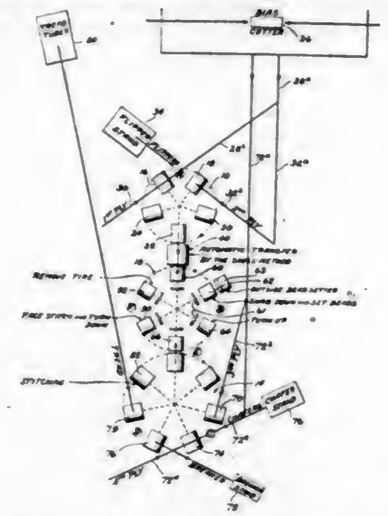
METHOD FOR BUILDING PNEUMATIC TIRES

Jorgen I. Haase, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application January 30, 1943, Serial No. 474,128
12 Claims. (Cl. 154—14)

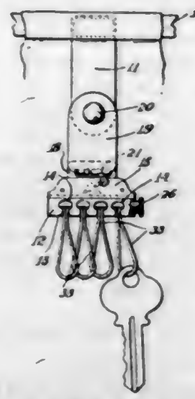
6. That method of building a pneumatic tire which includes the steps of building a two-ply band at a first operator station, setting beads adjacent the edges of the band, turning the edges of the band over the beads, separately building a second two-ply band including chafers, breaker, tread and sidewalls at a second operator station, moving the second band over the first-

named band at a third operator station, turning the edges of the second band under the beads



of the first-named band, and face stitching the bands together.

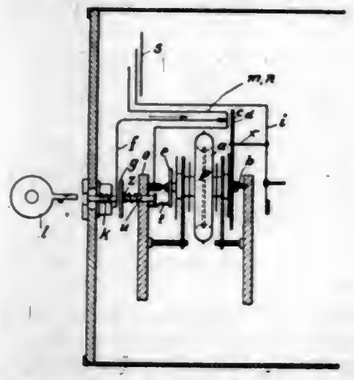
2,407,153
KEY HOLDER
Atto N. Hanna, Atlantic Highlands, N. J.
Application October 24, 1944, Serial No. 560,145
7 Claims. (Cl. 70—456)



1. A key holder embodying therein a base fitting having a tubular head provided with a plurality of segmental, circumferential slots each having an enlarged portion, each of said slots being adapted to receive a looped key carrier, said head having screw threads adjacent one end thereof, a semi-cylindrical retainer slide having a plurality of spaced wards adapted to obstruct the enlarged portions of said slots respectively, co-operating means on said base fitting and said retaining slide for guiding and limiting the movement of said slide, a manually operative screw mounted in said screw threads, and a swivelling connection between said screw and said retainer slide.

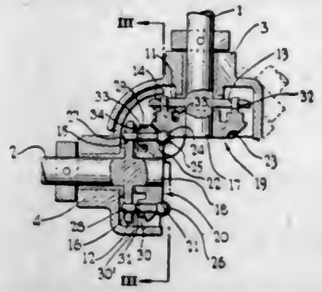
2,407,154
SETTING DEVICE ON MECHANICAL AND ELECTRIC MEASURING INSTRUMENTS
Paul Hildebrand and Artur Metz, Mannheim, Germany; vested in the Alien Propery Custodian
Application January 9, 1941, Serial No. 373,780
In Germany September 2, 1940
3 Claims. (Cl. 200—56)

1. A measuring instrument having a movable pointer, a switch, means for operating said switch on movement of said pointer outside a predetermined range, comprising a pair of pivoted arms adapted to be engaged by the pointer and moved in opposite directions when the pointer passes opposite limits of said range, friction operating con-



nections between said arms and switch, means for changing the position of said arms to adjust said limits and operable from outside said instrument and means for holding said switch during the adjusting movement of said arms.

2,407,155
FLEXIBLE JOINT
Dan Campbell Holmes, New York, N. Y.
Application March 2, 1943, Serial No. 477,702
5 Claims. (Cl. 74—385)

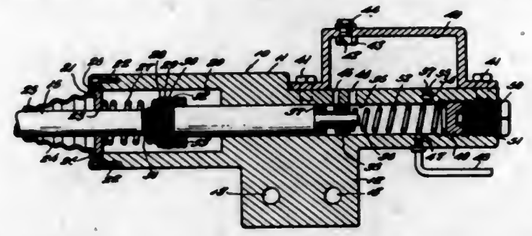


1. A flexible coupling, including, in combination: a first housing formed with an orifice for receiving a shaft; a second housing formed with an orifice for receiving a shaft; each of the housings provided with ears aligned with ears of the other housing and arranged in pairs and each ear formed with an aligning orifice and each orifice having a pivot pin therein; shafts, one in each of the first mentioned orifices of the housings; driving flanges, one attached to each shaft, each flange formed with a plurality of driving pin orifices; interengaging gears, one on the end of each shaft, each gear free on its shaft; each gear formed with a plurality of orifices for the reception of driving pins, said last mentioned orifices terminating at the outer face of the gear in partispherical hollows and each gear resiliently pressed away from its adjacent driving flange by springs; driving pins in the driving pin orifices of the flanges and the gears; the driving pins of one gear being formed with ball heads resting in the partispherical hollows whereby motion of one shaft may be transmitted to the other shaft.

2,407,156
TRAILER BRAKE
John Theo Horne, Layton, Utah
Application August 17, 1944, Serial No. 549,869
1 Claim. (Cl. 188—142)

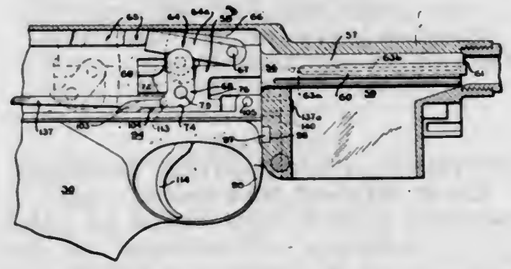
A combined trailer hitch and brake actuating mechanism which includes a casing adapted to be attached to the towing arms of a trailer vehicle, said casing having an axial bore opening

adjacent one end into an enlarged chamber, a plug closing the end of the bore opposite that opening into the chamber to form a fluid tight joint, a draw bar, one end of the draw bar being adapted to be attached to a towing vehicle, the opposite end of said draw bar telescopically entering the bore in the casing, means yieldingly connecting the draw bar to the casing, so that when pull is exerted on the draw bar the casing will be moved, non-compressible fluid within the



bore between the end of the draw bar and the plug, a pipe connecting the bore in the casing with the braking system on a trailer vehicle whereby when the draw bar telescopes into the bore the fluid contained therein will be forced into the braking system on the trailer vehicle to set the brakes thereon and manually controlled means to by-pass the fluid and avoid building pressure in the trailer vehicle braking system when the trailer is being backed by the towing vehicle.

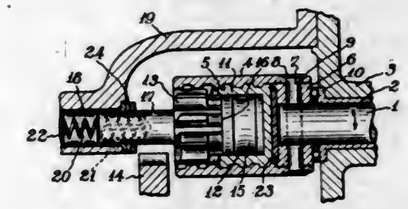
2,407,157
FIREARM
George J. Hyde, Brooklyn, N. Y., assignor to Firearms Research Corporation, New York, N. Y., a corporation of New York
Application June 14, 1941, Serial No. 398,034
3 Claims. (Cl. 42—3)



1. In a rifle having a cartridge chamber, a magazine and a receiver, a bolt mechanism mounted in said receiver, a locking member pivotally mounted on said bolt mechanism, a firing mechanism carried by said bolt mechanism, means including a reciprocatory rod and a link pivotally connected with said rod and pivotally mounted on said locking member for actuating said bolt mechanism to reload the cartridge chamber, a cam on said bolt and engaged by said link for effecting movement of said locking member to lock said bolt mechanism in firing position, means carried by said receiver for cocking said firing mechanism during movement of said bolt mechanism to firing position, and cam means on said link for releasing said cocking means when said locking member is moved into locked position.

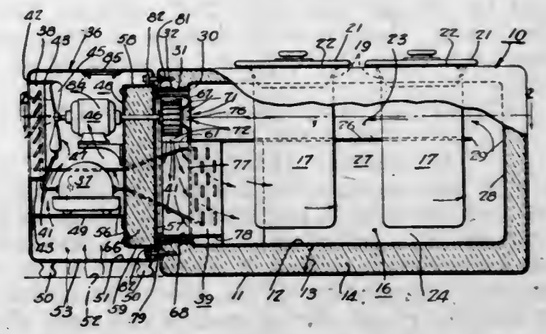
2,407,158
ENGINE STARTER DRIVE
Burr W. Jones, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 2, 1945, Serial No. 586,199
9 Claims. (Cl. 74—7)

1. In an engine starter drive, a power shaft, a sleeve extension fixed thereon, a thimble threaded in the sleeve, a block of elastically deformable material in the thimble, a pinion normally housed within the sleeve and engaging said block, a bearing in which the pinion is slidably journalled for



movement by said thimble out of said sleeve into mesh with a gear of an engine to be started, and means for limiting the projection of the pinion from the sleeve.

2,407,159
REFRIGERATION APPARATUS
Welton Paul Jones, Rydal, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 30, 1945, Serial No. 575,204
2 Claims. (Cl. 62—102)



1. In refrigeration apparatus, a heat-insulated cabinet having an apertured wall, a food container within and in spaced relation with the walls of said cabinet, a partition in the cabinet forming adjoining communicating passages each embracing a portion of said container, portable cooling means detachably connected to said cabinet and having an insulated wall adapted to close said aperture, said portable means further comprising compressor, condenser and motor elements mounted at the outer side of said wall and an evaporator and an impeller mounted at the inner side of said wall, said impeller being operatively connected with the said motor, and said evaporator and impeller being arranged with respect to said partition so that operation of the impeller is effective to set up a circulation of air through the passages and over the surfaces of the evaporator.

2,407,160
SELF-LOCKING BOLT
David A. Kahn, Columbus, Ohio
Application January 10, 1945, Serial No. 572,229
2 Claims. (Cl. 151—7)

1. A bolt member comprising an elongated shank externally threaded with the threads extending substantially continuously throughout the circumference of the shank, said shank having a slot therethrough from side to side and extending lengthwise in the threaded portion thereof and said slotted portion in a region spaced from the threaded end of the member being expanded diametrically to a larger diameter than the remainder of the shank between said expanded portion and the threaded end of the

shank, and resilient plastic material substantially filling the slotted and expanded portion of the

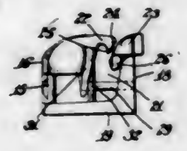


shank throughout and maintaining the expanded condition thereof.

2,407,161
ACYL DICYANDIAMIDES AND SALTS THEREOF
Donald W. Kaiser and Jack T. Thurston, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 30, 1942, Serial No. 445,206
15 Claims. (Cl. 260—551)

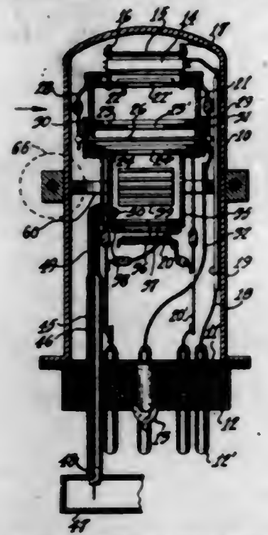
10. The new compounds formed by mixing together and reacting at temperatures not in excess of about 60° C. a member of the group consisting of halides and anhydrides of carboxylic acids, dicyandiamide, a member of the group consisting of water-soluble alkali-metal hydroxides and alkaline earth metal hydroxides and water, the amount of water being not substantially in excess of that which is necessary to dissolve the reactants.

2,407,162
LOOM SHUTTLE
John J. Kaufmann, Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 13, 1944, Serial No. 518,038
4 Claims. (Cl. 139—223)



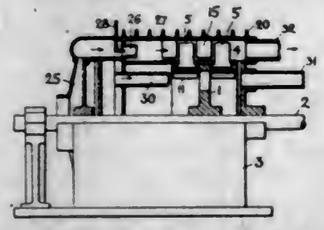
1. An automatically threading loom shuttle having a threading block the body portion of which is made of a hard metal casting and provided with a thread channel extending longitudinally therethrough, said threading block having an integral thread retaining horn portion at the outer end thereof extending from one of the side walls of the body portion toward an extension of the other side wall thereof, said horn portion being separated therefrom at its free end by a thread entrance slot extending downwardly and forwardly and having opposed parallel faces disposed in planes inclined to the longitudinal axis and to the vertical, said horn portion also having a downwardly extending lip at its free end, and the oppositely disposed portion of the side wall also having a downwardly extending lip.

2,407,163
ELECTRON DISCHARGE DEVICE
George Ross Kilgore, Princeton, Warren R. Ferris, Kingston, and Carl Shulman, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 28, 1943, Serial No. 496,420
8 Claims. (Cl. 315—6)



1. An electron discharge device including an envelope, a cathode within said envelope for supplying a beam of electrons, means within said envelope for receiving said electrons, and means positioned between said cathode and receiving means and through which the beam path lies, and including a cavity resonator within said envelope, tuning means for said resonator connecting the cavity resonator to the inner walls of the envelope and including a deformable ring contacting the inner walls of said envelope, and arms extending between said deformable ring and the walls of said resonator.

2,407,164
INTERNAL-COMBUSTION TURBINE
Leo B. Kimball, New Haven, Conn.
Application April 15, 1944, Serial No. 531,203
4 Claims. (Cl. 60—41)



1. A turbine wheel comprising a rim; means to rotatively support the rim; a plurality of blades supported radially on the periphery of the rim; a liner on the inner surface of the rim made of a material having relatively high coefficient of heat conductivity; and a plurality of cooling fins at the inner side of the liner.

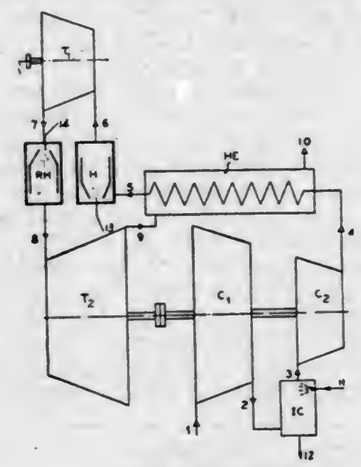
2,407,165
METHOD AND MEANS FOR IMPROVING POWER PRODUCTION IN COMBUSTION TURBINES
Johann Kreitner, New York, and Frederick Nettel, Manhasset, N. Y.
Application June 21, 1941, Serial No. 399,242
15 Claims. (Cl. 60—41)

1. In a method to produce power from a continuous stream of a gaseous working medium by

compressing it in a plurality of stages with intermediate cooling, pre-heating it thereafter by regenerative heat exchange, heating it thereafter by combustion of fuel, and expanding it to develop mechanical power, the step of inter-cooling said working medium where the absolute compression temperature reaches a definite fraction of the absolute expansion end temperature, according to

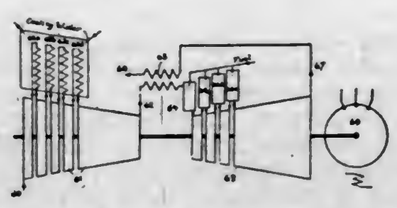
$$\frac{T'_2}{T_3} \sim e_c . e_e \cdot \frac{1-0.97.e.k}{1-0.20.e.k}$$

within a margin of plus or minus six per cent of the absolute temperatures, wherein T'_2 denotes



the absolute temperature of the partly compressed working fluid at the outlet of an intermediate stage of compression means, T_3 the absolute temperature of the expanded working fluid at the outlet of the last stage of expansion means, e_c the internal efficiency of compression, e_e the internal efficiency of expansion, e the thermal overall efficiency of the cycle, and k the efficiency of regenerative heat transfer.

2,407,166
HEAT CYCLE
Johann Kreitner, New York, and Frederick Nettel, Manhasset, N. Y.
Application November 8, 1941, Serial No. 418,288
5 Claims. (Cl. 60—1)



1. In the method of producing power in heat engines through cyclic changes of a gaseous working fluid, the sequence of compression from a starting point of given pressure and temperature to a compression end point of substantially smaller entropy and a temperature more than forty degrees centigrade higher than the temperature at any point within the first half of the compression range, heating to a still higher temperature at substantially constant pressure, expansion therefrom to a point of substantially larger entropy, substantially lower temperature, and a pressure substantially equal to that of the compression starting point.

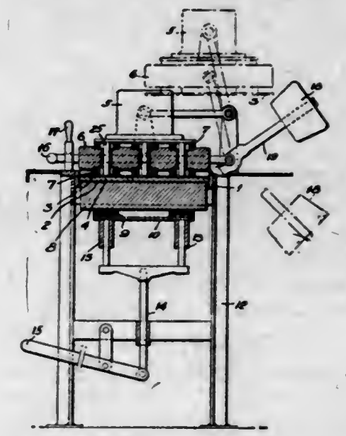
2,407,167
DERIVATIVES OF 1-HYDROXYPHENYL-3-AMINOBUTANE AND PROCESSES FOR THEIR PRODUCTION
Fritz Külz, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian
No Drawing. Application October 18, 1941, Serial No. 415,519½. In Germany February 21, 1940
3 Claims. (Cl. 260—570.8)

3. A substituted butylamino-butane of the formula

$$X-CH_2-CH_2-\underset{\displaystyle H-\underset{|}{N}-CH_2-CH_2-CH_2-CH_3}{\overset{|}{CH}}-CH_3$$

in which X is a hydroxyphenyl radical.

2,407,168
APPARATUS FOR MOLDING CONCRETE
Knut Vilhelm Lindkvist, Stockholm, Sweden, assignor to Aktiebolaget Vibro-Betong, Stockholm, Sweden
Application November 29, 1943, Serial No. 512,272
In Sweden November 28, 1942
10 Claims. (Cl. 25—41)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

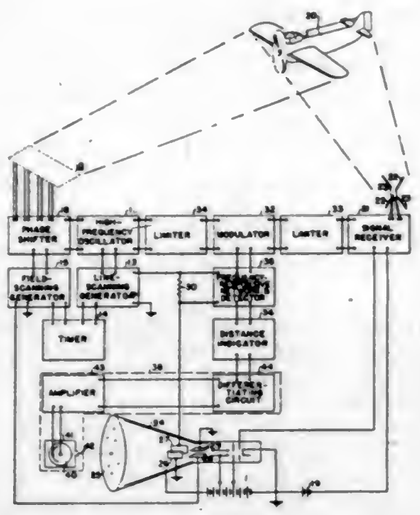


1. An apparatus for producing molded bodies of concrete and the like, which comprises a frame, a mold resiliently mounted in said frame and formed by walls one of which is movable relative to the wall opposite and adapted to compress the material in the mold, vibratory means directly and inelastically contacting one of said opposite walls, means for applying pressure against the same wall in such manner as to compress said material, and resilient means interposed between said mold wall and said pressure means in such manner that the pressure is applied resiliently.

2,407,169
SYSTEM FOR LOCATING RADIATED-SIGNAL REFLECTORS
Arthur V. Loughren, Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 26, 1941, Serial No. 395,172
9 Claims. (Cl. 250—1)

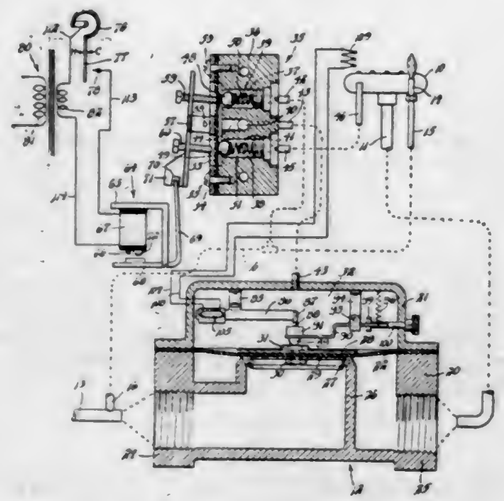
1. A system for locating a radiated-signal reflector comprising, a radiating system having a radiation characteristic effectively in the form of a sharply-concentrated beam, means for applying a carrier signal to said radiating system, means for varying the frequency of said carrier signal to scan a predetermined space in at least one direction with said beam, means for receiving energy from said radiated beam reflected

from said reflector and for utilizing said received energy to indicate the direction of said reflector, and means responsive jointly to said frequency-



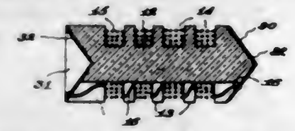
modulated signal and said reflected signal for determining the distance of said radiated-signal reflector from said locating system.

2,407,170
CONTROL MECHANISM
Sidney K. Malek, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 25, 1942, Serial No. 466,962
16 Claims. (Cl. 158—99)



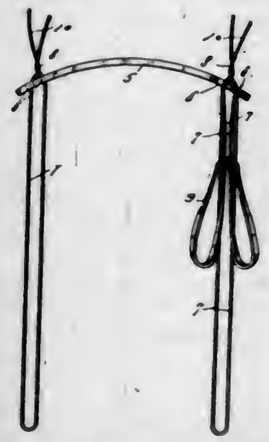
8. In a control mechanism, a control device movable between first and second controlling positions, a stop normally assuming a position in which it prevents movement of said device beyond an intermediate position, a lever carrying said stop and an armature, an electromagnet for cooperating with said armature to move said lever and said stop to a position in which said device may move to said second position, and means for adjusting the normal relationship between said stop and said control device so as to adjust said intermediate position.

2,407,171
FIXED RESISTOR
Lawrence E. McFarren, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application May 16, 1944, Serial No. 535,788
1 Claim. (Cl. 201—67)



An electrical resistor comprising in combination an insulative tube, a ferrule at each end of said tube, a plurality of stacked unitary resistance elements mounted within said tube, each of said resistance elements including an insulative spool with windings of resistance wire thereon having one of its ends formed with an external conical surface and its other end formed with a corresponding internal conical surface and a metalized layer on each of said surfaces constituting terminals for said windings, the external and internal conical surfaces of adjoining spools being adapted to mate with each other to maintain the relative position of the spools in the stack, means including a fused metallic bond between each pair of adjoining metalized layers for connecting all of said windings in series, and means for connecting the terminals of said serially connected windings to said ferrules.

2,407,172
GAME CARRIER
Clarence H. McMillan, Minneapolis, Minn.
Application November 17, 1945, Serial No. 629,305
3 Claims. (Cl. 224—58)

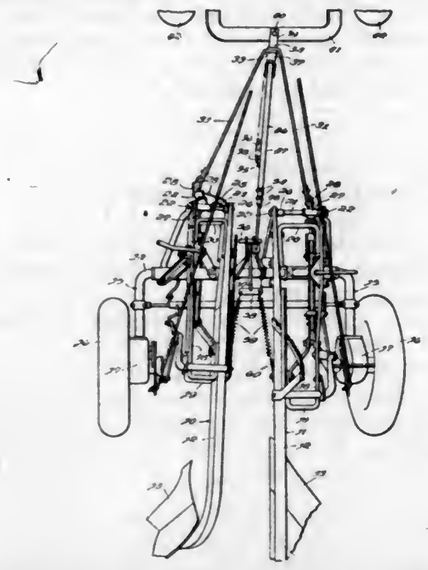


1. A game carrier comprising a rectangular leather handle having in each end portion two pairs of holes, the holes of each pair being substantially parallel to the longitudinal edges of the handle, and pairs of long rawhide straps, each strap being folded upon itself to form a loop, the end portions of each strap being inserted through one pair of said holes and connected, each looped strap being capable of being folded to form a running noose.

2,407,173
AGRICULTURAL IMPLEMENT
James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Original application June 28, 1943, Serial No. 492,476. Divided and this application November 29, 1944, Serial No. 565,623
4 Claims. (Cl. 97—47)

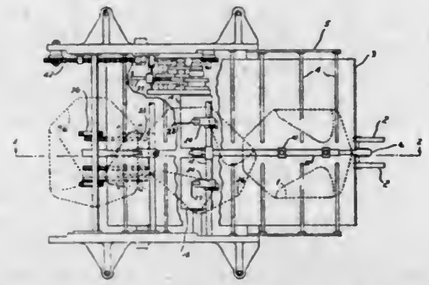
1. In an agricultural implement adapted for attachment to a tractor, in combination, support-

ing wheels on the implement, hitch means on the implement, a member pivoted on the implement for longitudinal rocking movement, means ad-



justable in length rigidly connecting said hitch means and said member for rocking movement therewith, and means biasing said member to forward rocking movement.

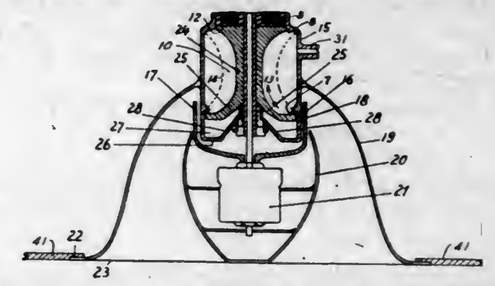
2,407,174
ENVELOPE MACHINE
John L. Oberender, Baltimore, Md., assignor to Oles Envelope Corporation, Baltimore, Md., a corporation of Maryland
Application March 23, 1944, Serial No. 527,755
11 Claims. (Cl. 271—2)



1. In an envelope machine, a sheet turning section comprising a pair of rolls and means to rotate them to continuously forward and turn the sheet in its own plane, means to feed a sheet thereto and to receive a sheet therefrom, said rolls being in substantial alignment and having their axes parallel one with the other and with the plane of movement of the sheet, one roll having a forwarding speed greater than the other, and laterally adjustable means, movable laterally to determine the angle of turn, bearing on the sheet opposite said rolls.

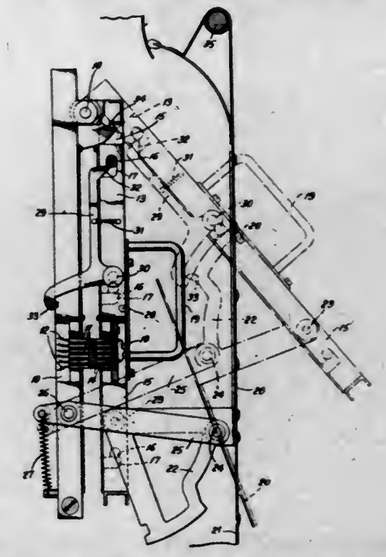
2,407,175
ECHO SOUNDING DEVICE
Peter Orlich, Günther Negel, and Hans Hartz, Kiel, Germany; vested in the Alien Property Custodian
Application November 14, 1940, Serial No. 365,646
In Germany May 2, 1939
3 Claims. (Cl. 116—147)

1. In a siren, a casing enclosing an air chamber, means for delivering compressed air to said chamber, said casing having ports for emitting compressed air from said air chamber, a rotor mounted adjacent said ports, and means for driving said rotor at a predetermined speed, said rotor having ports coacting with said casing ports to control the emission of compressed air from said air chamber to produce a sound of definite frequency, a valve seat and a differential valve in said air chamber coacting to control the flow of compressed air from said chamber to said ports, the armature of said valve constituting an inner wall of the air chamber and designed to recip-



rocate in the direction of its longitudinal axis, the configuration of the armature being such as to form an outer curved surface defining a relatively small curved zone within the air chamber, whereby said air chamber is tuned to said frequency so that standing sound waves are set up with a loop at said ports and a node at the end of said air chamber most remote from said ports, the distance from said ports through said air chamber to the most remote part of the inner wall of said casing being equal to an uneven multiple of one fourth of the wave length of the emitted sound waves.

2,407,176
PLUGBOARD
Donald R. Piatt, Endicott, and Alvin E. Gray, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 12, 1944, Serial No. 567,856
3 Claims. (Cl. 173—328)



1. In a machine having a stationary plugboard panel, the combination of a plugboard supporting frame pivoted at the upper end of said panel, a plugboard insertible in the frame and swingable with the frame to move the plugging face of the board outward and upward to an accessible plugging position, a member pivoted to the frame, a link pivoted to the stationary panel, said member and link being articulated

to form a toggle to hold the frame in its plugging position, a latch for locking said member to the frame, and means controlled by the plugboard when it is not set in a predetermined location in the frame for causing the latch to lock the frame in plugging position.

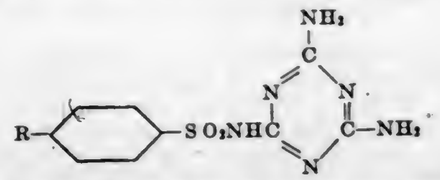
2,407,177

SULPHONAMIDE DERIVATIVES OF MELAMINE AND PROCESSES FOR THEIR PRODUCTION

Richard O. Roblin, Jr., Old Greenwich, and Philip S. Winnek, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 31, 1942, Serial No. 453,100
8 Claims. (Cl. 260—239.6)

1. A compound of the group consisting of those represented by the following formula and salts thereof:



in which R is a member of the group consisting of amino radicals and radicals reducible to an amino group.

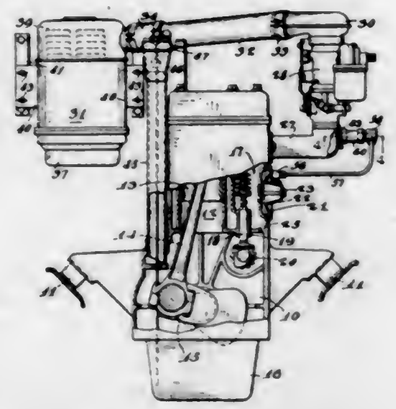
5. The process which comprises reacting melamine with a p-nitrobenzenesulphonyl halide to give p-nitrobenzenesulphonamido melamine and subsequently reducing the p-nitro group to a p-amino group.

2,407,178

CRANKCASE VENTILATION SYSTEM AND APPARATUS

Delmar G. Roos, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware

Application October 15, 1943, Serial No. 506,453
3 Claims. (Cl. 123—119)



3. In combination, an internal combustion engine having a series of vertical cylinders arranged in a line, and a crank case below the cylinders, a valve chamber laterally disposed to the cylinders, a carburetor having an intake and an outlet, an oil filler tube projecting from above the engine and extending into the crankcase below the valve chamber and on the opposite side of the cylinders from the said chamber, an air cleaner on the same side of the engine as the filler tube, means connecting the carburetor's intake with said air cleaner, an air conduit connected to said filler tube, means connecting the air cleaner and said air conduit, a closure for sealing the upper end of the filler tube, an intake manifold connected to the carburetor's outlet, and valve means connecting the valve chamber and the intake manifold.

2,407,179

INSTANTANEOUS RECORDING COMPOSITION

Albert B. Savage, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application December 31, 1942, Serial No. 470,912
7 Claims. (Cl. 106—37)

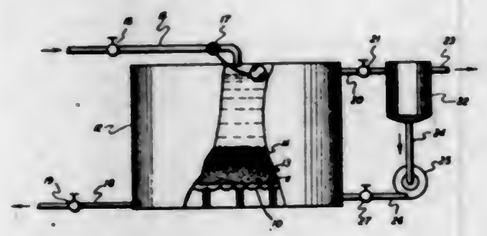
1. A sound record of the instantaneous recording type, the composition whereof includes ethyl cellulose and as a plasticizer therefor a lower alkyl ester of ricinoleic acid.

2,407,180

METHOD OF PURIFYING OIL FIELD WATERS

Harold Schiller, Los Angeles, and Abraham Shapiro, Monrovia, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application October 30, 1943, Serial No. 508,360
2 Claims. (Cl. 210—2)



1. The method of removing clay-suspended petroleum from oil-field water, which comprises: passing said water by controlled flow through a bed composed of granules of ferrous sulfid (FeS) and thereby transferring said petroleum from said clay suspension to the granules composing said bed; passing substantially oil-free clay particles from said suspension out of said bed into suspension in the effluent water and retaining the petroleum in said bed.

2,407,181

ARTIFICIAL WAXES AND GREASES

Samuel Le Roy Scott, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 30, 1944, Serial No. 528,770
8 Claims. (Cl. 260—2)

1. Process for the preparation of greasy to waxy, silicon-containing, polymeric materials which comprises reacting ethylene with a silicon halide containing not more than twenty-one carbon atoms and having directly attached to silicon at least one halogen selected from the class consisting of fluorine, chlorine, and bromine, at 50–300° C. and a pressure of at least 20 atmospheres, any catalyst present being a polymerization catalyst ineffective in the Friedel-Crafts reaction.

2,407,182

PROCESS FOR PREPARING 2,6-NITRO CHLOR BENZYL ALCOHOL

Frederic Sievenpiper, Alden, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application September 23, 1942, Serial No. 459,429
6 Claims. (Cl. 260—618)

1. An improved process for the production of 2,6-nitro chlor benzyl alcohol from a brominated mixture containing 2,6-nitro chlor benzyl bromide together with a substantial proportion of 2,6-nitro chlor toluene, obtained by partial bromination of 2,6-nitro chlor toluene, which comprises boiling said mixture with an aqueous hydrolyzing agent for 2,6-nitro chlor benzyl bromide to produce 2,6-nitro chlor benzyl alcohol, simultaneously condensing the vapors emanating from said mixture, and separating the water-immiscible portion of the condensate from the aqueous portion thereof to recover the unreacted 2,6-nitro chlor toluene.

2,407,183

RUBBER COMPOSITION

Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application October 17, 1942, Serial No. 462,411
17 Claims. (Cl. 260—36)

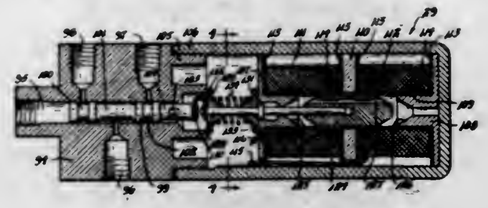
1. A new composition of matter comprising an ester of alkyl phenyl ethyl alcohol in which said alkyl substituent appears on the ring, and rubber selected from the group consisting of natural rubber and rubber-like polymers of butadiene, isoprene, piperylene, and 2-chlorobutadiene.

2,407,184

SOLENOID VALVE

Hubert T. Sparrow, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Milwaukee, Wis., a corporation of Delaware

Application October 14, 1942, Serial No. 461,956
5 Claims. (Cl. 137—139)



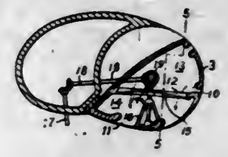
2. A solenoid valve, comprising, in combination, a valve body having a longitudinal bore, a piston valve having a neutral center position in said bore, a solenoid housing detachably secured to said valve body, a solenoid in the housing and spaced from said valve body, a plunger operably disposed in said solenoid substantially axially of said piston valve, said plunger having a neutral center position, a driving connection detachably jointing said plunger and said piston valve and permitting limited relative movement there between, a centering spring fixed to said driving connection and functioning to normally maintain said plunger and said piston valve in centered positions when said valve body and said solenoid housing are assembled, said fixed spring permitting said plunger to depart from centered positions when said body and said housing are disassembled.

2,407,185

WING WITH FLAP ENCLOSING A BLOWER MEANS

Edward A. Stalker, Bay City, Mich.

Application December 5, 1944, Serial No. 566,766
8 Claims. (Cl. 244—42)



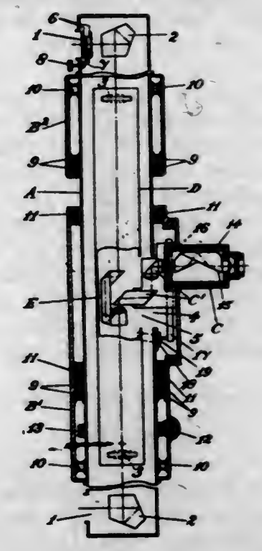
1. A wing structure of the character described which comprises a wing main body, a flap adjustably supported on said body to define a wing therewith, means forming a slot in said wing for developing boundary layer control, blower means located in said flap, and means establishing communication between said blower and said slot to induce a flow therethrough.

2,407,186

RANGE FINDER, HEIGHT FINDER, AND LIKE MEASURING INSTRUMENT

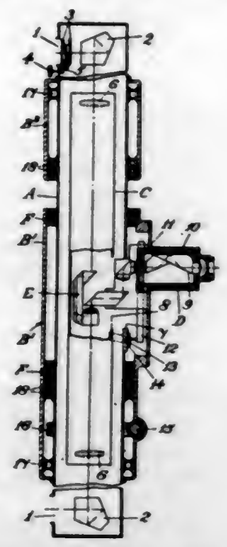
John Martin Strang and Claud Foster, Glasgow, Scotland, assignor to Barr & Stroud, Limited, Glasgow, Scotland

Application December 1, 1944, Serial No. 566,221
In Great Britain March 14, 1941
5 Claims. (Cl. 88—2.7)



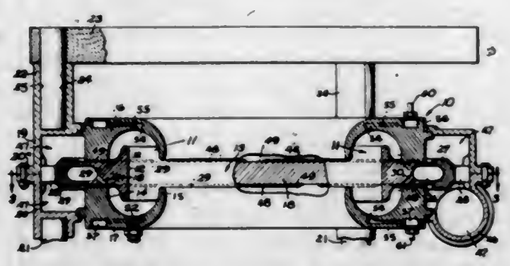
1. A fixed eyepiece rangefinder comprising a bearing, a base casing which is rotatable in the bearing for varying the elevation of the line of sight, an eyepiece fixedly carried by the bearing, a prism combination fixed in position relative to the bearing to receive light from the base casing and transmit it through an aperture provided in the base casing to the eyepiece, an erecting prism carried by the bearing between the prism combination aforesaid and the eyepiece and through which the light is directed in its path from the prism combination to the eyepiece, a carrier for said erecting prism, said carrier being rotatable relative to the bearing, and scroll cam mechanism connecting the base casing with said carrier to rotate said carrier and erecting prism from said base casing at half the angular speed of rotation of said casing, said scroll cam mechanism including a scroll-shaped cam rotatable about the axis of the scroll and a linearly movable member engaging with said cam for the transmission of motion from said casing to said carrier.

2,407,187
RANGE FINDER, HEIGHT FINDER, AND LIKE OPTICAL MEASURING INSTRUMENT
John Martin Strang and Claud Foster, Glasgow, Scotland, assignors to Barr & Stroud, Limited, Glasgow, Scotland
Application December 1, 1944, Serial No. 566,222
In Great Britain March 14, 1941
7 Claims. (Cl. 88—2.7)



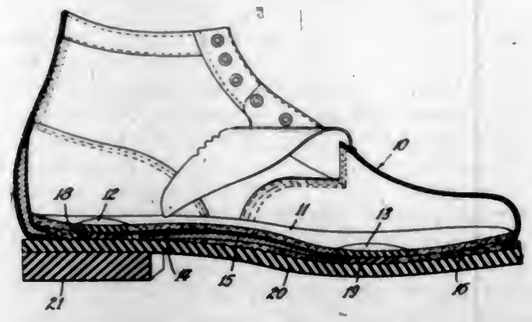
1. A fixed eyepiece rangefinder comprising a tubular base casing, a stationary bearing tube coaxial with the base casing and in which the base casing is rotatably carried, an eyepiece carried by the bearing tube, the bearing tube extending in the axial direction from one side to the other of an aperture provided in the base casing for the passage of light from the interior of the base casing to the eyepiece, anti-friction bearings by means of which the base casing is rotatably carried in the bearing tube, and, on each side of the said aperture, an annular tongue and groove arrangement which constitutes a sealing labyrinth as distinct from a bearing, the tongue element and groove element thereof being relatively movable in rotating the base casing.

2,407,188
BURNER
William S. Sutton, Rockford, Ill.
Application September 27, 1943, Serial No. 503,951
10 Claims. (Cl. 110—28)



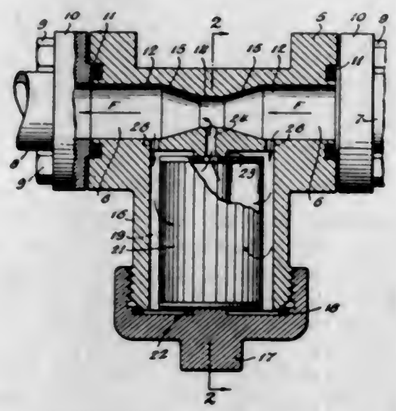
1. A burner of the character set forth comprising, in combination, a burner head comprising upper and lower members each having a semicircular channel, a spacer ring interposed between said members with said channels in opposed relation to form a mixing and combustion chamber, said members defining an annular outlet opening at the inner side of said chamber, and means for supplying fuel to said chamber including an annular channel in said spacer ring and ports connecting said channel with said chamber.

2,407,189
SHOE
John E. Taber, Jr., South Bend, and Kenneth L. Keene, Mishawaka, Ind., assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application January 26, 1942, Serial No. 428,172
3 Claims. (Cl. 175—264)



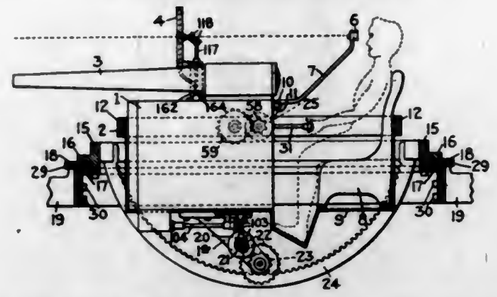
1. A conductive shoe comprising a conductive outsole designed for direct contact with the ground, said outsole being formed of relatively soft flexible material which presents a relatively high resistance to static electrical charges, an insole substantially coextensive with the inner face of said outsole, said insole comprising a strip of relatively soft material including a ball portion, a heel portion and a connecting arch portion, there being openings extending completely through the ball and heel portions of said strip respectively, and an insert of relatively soft flexible conductive material disposed in each of said openings, said inserts also presenting a relatively high resistance to static electrical charges and conductively connected to said outsole whereby such charges are slowly and without an attendant spark conducted from the foot through the insole and outsole to the ground.

2,407,190
FILTER FOR FLUID FLOW SYSTEMS
William O. Tait, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application June 30, 1944, Serial No. 542,855
4 Claims. (Cl. 210—164)



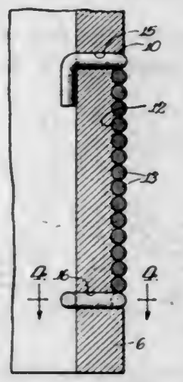
2. A filtering device for filtering fluid comprising a conduit section adapted to form a part of a closed fluid-circulating system and shaped to provide a venturi responsive to flow in either direction to produce a reduced static pressure and increased velocity of the fluid at one point in said conduit, an auxiliary passage leading from another point in the same conduit as the first point but in a region of higher static pressure and discharging into the conduit at said one point, and a filtering element in said passage whereby a portion of the fluid flowing in the system is directed through the filtering element always in the same direction while flow in the system takes place in either direction.

2,407,191
GUN SIGHT
James D. Tear, Great Neck, and Charles W. Buckley, Mount Vernon, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application January 22, 1941, Serial No. 375,426
10 Claims. (Cl. 33—49)



1. Gun sighting apparatus for use on moving ships and other craft comprising a base adjustable about a train axis, a sight carried by the base and angularly adjustable with respect to a datum line thereon, power means for training the base, a relay device in control of the power means, manual means operative to actuate the relay, a mechanical vector operatively connected to be set in direction by the power means and in length according to the ship's speed and including component solving means, transmitting means operative to receive and transmit the movement of the manual means, means for combining a sight angle component of the vector with the movement of the transmitting means, a multiplier adapted to have a function of range introduced therein as one input and the said combination as the other input, and means operated by said multiplier for adjusting the sight according to the product.

2,407,192
PISTON
Ralph R. Teetor, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana
Application May 25, 1944, Serial No. 537,252
4 Claims. (Cl. 309—13)

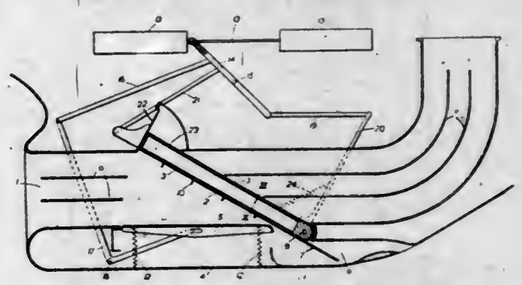


4. In a piston for use in a cylinder of an internal combustion engine, a piston skirt provided with a longitudinal slot and a circumferential groove with a spiral thread and formed of metal having a coefficient of expansion higher than that of cast iron or steel, a wire formed of metal having a lower coefficient of expansion than that of the skirt and tightly wound in the spiral thread of said groove in a series of turns around the slotted portion of the skirt and compressing the skirt to reduce its unconfined diameter to its final effective diameter, with the outer portions of the turns of wire projecting beyond the outer surface of the skirt to provide a bearing adapted to engage the wall of the cylinder, and means for fastening the ends of the wire to the skirt.

2,407,193
RUBBER RECLAIM
Harry H. Thompson, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application March 6, 1942, Serial No. 433,673
3 Claims. (Cl. 260—714)

1. A process for preparing a non-staining reclaim rubber which comprises refluxing solid, alkali reclaimed rubber with a solvent mixture containing 50 to 90 percent of carbon tetrachloride, the remainder of the solvent mixture being methyl alcohol.

2,407,194
FILTER
Cecil Gordon Vokes, London, England
Application June 8, 1943, Serial No. 490,067
In Great Britain June 11, 1942
11 Claims. (Cl. 183—33)

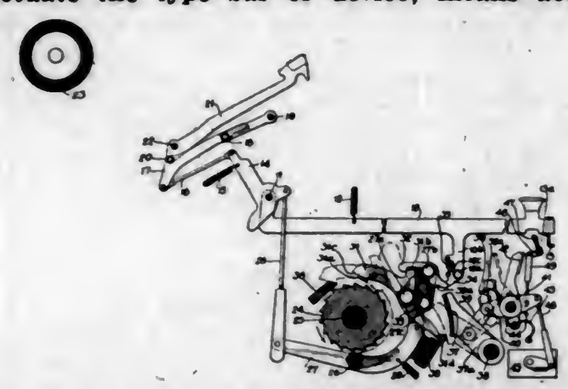


1. In an aircraft having an engine, a duct for delivering air to the engine, filtering means selectively functioning at will to filter the air passing through said duct to the engine or to permit the air passing through the duct to the engine to be free of filtration, manually controlled mechanism for said filtering means to cause the air passing through the duct to the engine to remain unfiltered, and means to utilize a portion of the air flowing through the duct in unfiltered condition as a pressure medium to pass through the filtering means in a direction reverse to the direction of the air therethrough during its filtering function, whereby such reversely directed current of air tends to clean the filter.

2,407,195
TYPEWRITING MACHINE
Richard Von Reppert, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 17, 1944, Serial No. 522,737
16 Claims. (Cl. 197—17)

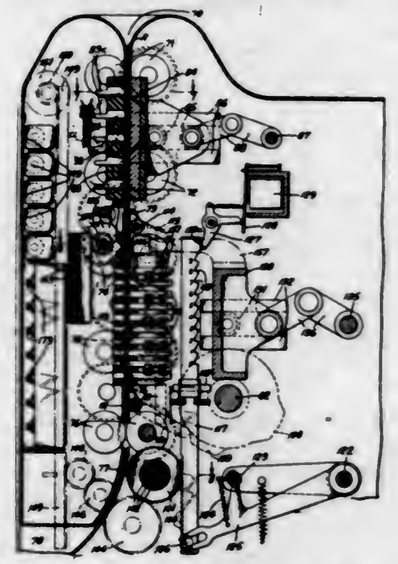
1. In combination with a power operating mechanism for the type bars and other devices of a typewriting machine wherein there is provided a power driven actuator and a power operating device for each type bar or device, each

device including means releasable for operative engagement with the power driven actuator to actuate the type bar or device; means acting



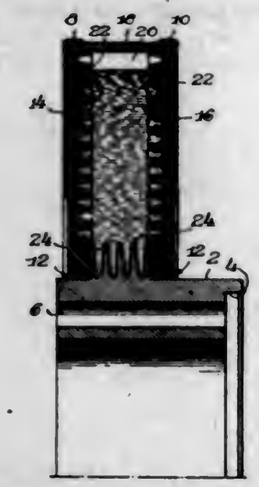
directly upon the releasable means for disengaging the releasable means from the operating member, and manual means for operating the disengaging means.

2,407,196
ACCOUNTING MACHINE
Thomas J. Watson, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 15, 1943, Serial No. 494,819
3 Claims. (Cl. 235—61.9)



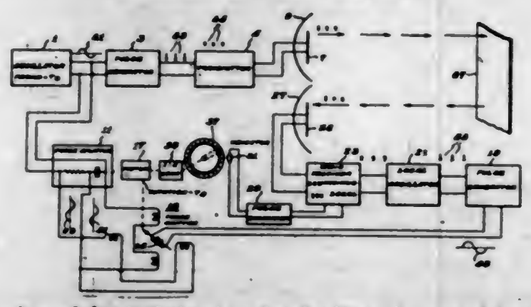
1. In a machine controlled by a record card having a plurality of marking areas thereon in each of which areas a mark may be made to represent a commodity, a plurality of settable switches for each marking area, the switches for each area being settable to represent a selected value for the related commodity, means for sensing the areas of the card, punching mechanism, accumulating mechanism, operating means therefor, means jointly controlled by said sensing means and said settable switches, for controlling the operating means of said accumulating mechanism to obtain therein the total of the values represented by the switches whose related areas contain marks, further means jointly controlled by said sensing means and said settable switches for controlling a portion of said punching mechanism to individually record in the card the values represented by the switches whose related areas contain marks, and means controlled by said accumulating mechanism concurrently with the operation of said last named means, for controlling another portion of said punching mechanism to record in the card the total of said values together with the recording of the individual values.

2,407,197
BRAKE ROTOR
Raymond Watts, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 12, 1944, Serial No. 517,942
3 Claims. (Cl. 188—264)



1. In a fabricated brake rotor, a cylindrical support member having radially and circumferentially extending heat dissipating fins integral with the outer perimeter thereof and spaced from the ends thereof, a brake ring comprising spaced annular plates sleeved over said member and having the inner perimeter thereof welded to the outer perimeter of said member at opposite sides of said fins, said plates defining an annular chamber therebetween, a cylindrical closure ring between said plates and recessed in the outer perimeters thereof and welded thereto, friction plates secured to said annular plates on the remote sides thereof, a plurality of heat dissipating fins integral with the other sides of said annular plates and projecting axially therefrom at opposite sides of said chamber into said chamber, and a substance within said chamber having the characteristics of high thermal capacity and conductivity.

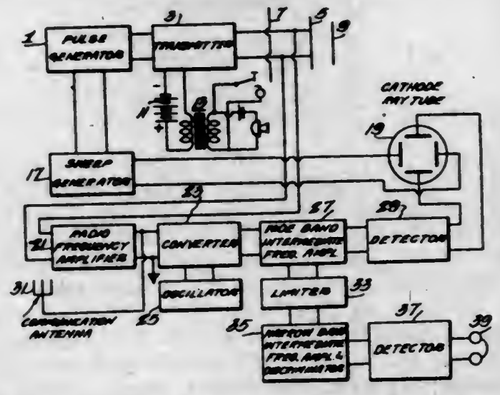
2,407,198
DISTANCE AND DIRECTION DETERMINATION SYSTEM
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 19, 1938, Serial No. 196,863
21 Claims. (Cl. 250—1)



1. An object detector including in combination means for radiating pulses of radio frequency energy, a superheterodyne device including a local oscillator for receiving said energy after reflection from the object to be detected, means for

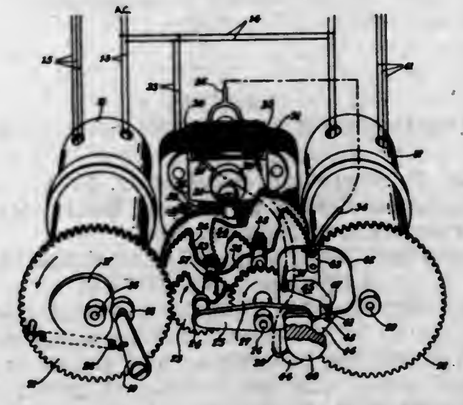
making the local oscillator of said receiving device oscillate at continuously varying intervals after the radiation of each of said pulses, a second means synchronously varying at said continuously varying rate, and means including said device for indicating the response to said reflected energy.

2,407,199
COMMUNICATION AND DISTANCE DETERMINING SYSTEM
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1940, Serial No. 343,133
22 Claims. (Cl. 250—1)



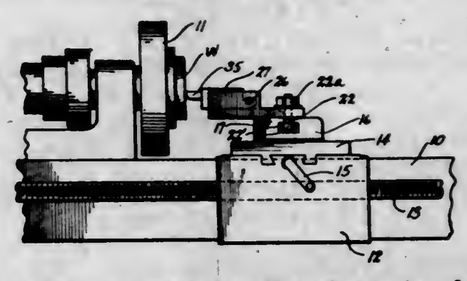
1. A system for the simultaneous detection of wave reflecting objects and the transmission of intelligence including means for radiating discrete pulses at a pulse carrier frequency which may be filtered with respect to the frequency of said intelligence transmission, means for receiving said pulses after reflection, means connected to said receiving means for indicating visually the reception of a reflected pulse to indicate a wave reflecting object, and means effectively connected to said radiating means for modulating said pulses with signals to be transmitted simultaneously.

2,407,200
FOLLOW-UP MECHANISM
Louvan E. Wood, Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 11, 1944, Serial No. 567,576
6 Claims. (Cl. 172—239)



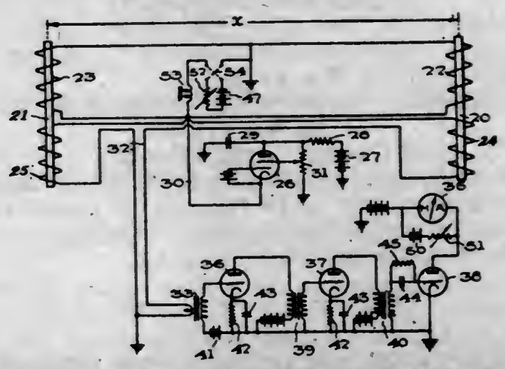
1. In a synchronous drive, driving and driven self-synchronous motors disposed in cooperative relationship, and carrying driving and driven gears respectively; a rockable carrier pivoted adjacent said motors; a planet gear journaled on said carrier and meshing with said driving gear; a sun gear meshing with said planet gear and said driven gear; a reversible power motor having driving connection with, and operable to apply rotative efforts to said driven motor; and circuit means, automatically controlled by rocking movement of said carrier, for so controlling said power motor as to cause said driven motor to synchronously follow said driving motor.

2,407,201
INTERCHANGEABLE TOOLHOLDER
Edward F. Woodward, Seattle, Wash.
Application May 22, 1944, Serial No. 536,683
1 Claim. (Cl. 82—35)



A tool holding means of the character described comprising a base block adapted for fixed securement to a cross slide or the like, and having a longitudinal, upwardly opening channel therein formed with a flat bottom surface, an anchor pin mounted in the block and extended transversely through the channel near the inner end thereof, and a tool holding bar fitted in the channel, between its side walls, and having means at its outer end for mounting a tool and having an extension at its inner end for engaging beneath the anchor pin; said extension having a cross channel seating the pin therein when the bar is in place and said extension of the bar having its bottom surface curved about the axial line of the anchor pin and providing release of the bar from the pin by upward swinging movement of its outer end.

2,407,202
APPARATUS FOR RESPONDING TO MAGNETIC FIELDS
Victor V. Vacquier, Garden City, N. Y., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Original application July 21, 1941, Serial No. 403,455. Divided and this application July 17, 1945, Serial No. 605,550
6 Claims. (Cl. 177—380)



1. An apparatus responsive to space gradient of magnetic field comprising a pair of slender cores of minimal cross-sectional area and of material of high permeability and characterized in that the hysteresis loop thereof exhibits a sharp knee where saturation is reached, said cores arranged parallel to each other and with a spacing between them such that the gradient may estab-

lish a difference in field at their respective locations, means for cyclically energizing said cores to saturation in the same sense whereby each core abruptly reaches saturation at a phase of the energizing cycle which is shifted by changes in the ambient field at said core, windings adjacent said cores connected in opposition to deliver the differences between voltages induced by said cores, whereby said phase shifts cause production of sharp voltage pulses which vary in magnitude with a change in field at either one of the cores, and transducing means selective to said pulses in energy-receiving relation to said windings.

2,407,203

α-AMINO-γ-ALKOXYBUTYRIC ACIDS AND METHOD OF PREPARING THE SAME

Quintin P. Cole and Richard O. Roblin, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 29, 1944, Serial No. 537,968

1 Claim. (Cl. 260—534)

α-Amino-γ-methoxybutyric acid.

2,407,204

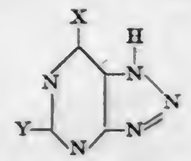
TRIAZOLO (d) PYRIMIDINES AND METHODS OF PREPARING THE SAME

Jackson P. English, Stamford, James R. Vaughan, Jr., Greenwich, and Richard O. Roblin, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 22, 1944, Serial No. 546,206

8 Claims. (Cl. 260—251)

1. Chemical compounds corresponding to the general formula:



wherein X and Y are members of the group consisting of hydrogen, hydroxy, amino, thio, alkylthio, alkoxy, and alkylamino radicals.

2,407,205

INSECT REPELLENTS

Benjamin G. Wilkes, Wilkinsburg, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application February 11, 1943, Serial No. 475,566

8 Claims. (Cl. 167—22)

7. A method of repelling insects which includes applying to a zone to be treated an insect repellent comprising as an essential repellent ingredient thereof 2-ethylhexanediol-1,3.

2,407,206

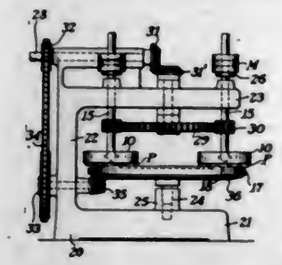
METHOD AND APPARATUS FOR GRINDING AND POLISHING SURFACES

Benjamin E. Luboshez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 23, 1944, Serial No. 541,679

9 Claims. (Cl. 51—131)

4. A grinding and polishing apparatus comprising in combination a tool having a grinding surface which is longer than it is wide; a blocking member adapted for blocking a plurality of elements in side by side relation with the surface of each element to be worked lying substantially in a common plane and constituting a substantially continuous annular surface the inner diameter of which is greater than the width of the grinding surface; means for mounting said blocking member relative to said tool so that said annular surface extends across the width of said grinding surface and is adapted to contact the



same in two oppositely disposed arcuate areas each and every arc thereof which is concentric with the center of said annular surface being of equal length; means for applying a pressure to the blocking member to force said annular surface against said grinding surface, said means disposed so that the pressure per unit area between the grinding surface and said annular surface is equal over the entire areas of the two in contact at any instant; and means for rotating said blocking member relative to said tool about an axis which is at the center of said annular surface.

2,407,207

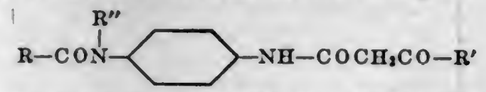
PROCESS OF PRODUCING P-PHENYLENE DIAMINES

Ilmari F. Salminen and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 8, 1944, Serial No. 539,398

6 Claims. (Cl. 260—558)

1. A compound having the following formula:



where R is an aryl radical, R'' is selected from the class consisting of hydrogen and hydrocarbon groups, and R' is selected from the class consisting of alkyl and aryl groups.

2,407,208

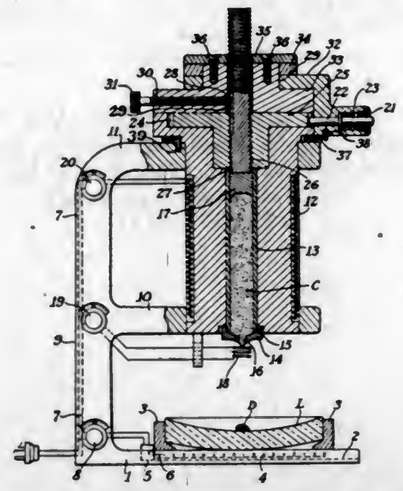
MACHINE FOR METERING CEMENT TO LENSES

William T. Sherwood, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 7, 1945, Serial No. 581,529

5 Claims. (Cl. 91—43)

1. A machine for applying metered quantities of cement to lenses comprising a support, a lens holder mounted thereon, a cement cylinder mounted above the lens holder, a plunger movably mounted in the cylinder, a pawl and ratchet for advancing the plunger into the cylinder by predetermined amounts, a coupling on the cylinder positioned over the lens holder, a nozzle having an orifice adapted to be attached to the coupling and to extend downwardly therefrom and over the lens holder, said plunger being adapted to extrude measured droplets of cement through said nozzle and upon a lens held by said holder, and a heating element extending



about said orifice and out of contact therewith for maintaining said droplets of cement issuing from the nozzle at a temperature facilitating dropping.

2,407,209

STABILIZATION OF NITROCELLULOSE FILM BASE

Donald R. Swan and John M. Calhoun, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 19, 1942, Serial No. 466,226

3 Claims. (Cl. 106—182)

1. A composition adapted for the preparation of photographic film base essentially consisting of nitrocellulose and a stabilizing amount of a hydroxy aromatic compound selected from the group consisting of p-tertiary butyl phenol, p-tertiary amyl phenol, and p-hydroxy phenyl acetic acid.

2,407,210

COLOR COUPLERS

Arnold Weissberger, Charles J. Kibler, and Paul W. Vittum, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 14, 1944, Serial No. 531,124

17 Claims. (Cl. 95—6)

7. The method of producing a yellow photographic image in a gelatino-silver halide emulsion layer, which comprises exposing said layer and developing it with a primary aromatic amino developing agent in the presence of an o-alkoxybenzoyl-acetanilide coupler compound.

2,407,211

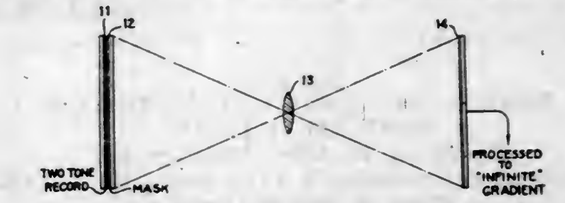
LINE AND HALFTONE REPRODUCTION

John A. C. Yule, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 26, 1944, Serial No. 537,443

18 Claims. (Cl. 95—5)

1. A photographic process for the reproduction of a minutely detailed two-tone original including a series of printing steps, the last one of the series being the first infinite gradient step of the process, one of the steps of the series consisting of printing a record from a previous record which is unsharply masked at least during the major portion of the printing exposure, the mask being negative to the record it is masking and having an effec-



tive masking factor between .2 and .7 and an effective unsharpness sufficient to cause the finer details of the original to be substantially lost in the mask but not greater than .06 inch.

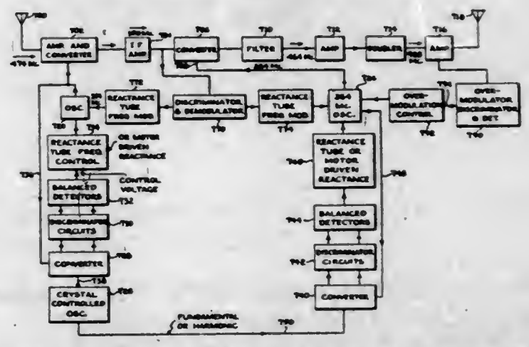
2,407,212

RADIO RELAYING

Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application June 16, 1942, Serial No. 447,225. Divided and this application June 13, 1944, Serial No. 540,060

20 Claims. (Cl. 250—15)



1. The method which includes heterodyning electrical waves down to an intermediate frequency, frequency multiplying the waves of intermediate frequency and heterodyning the frequency multiplied waves to a wave of higher frequency.

2,407,213

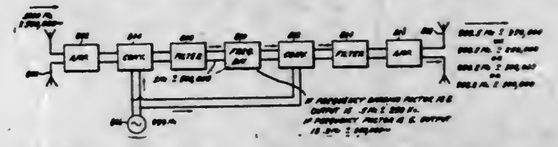
RADIO RELAYING

Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application June 16, 1942, Serial No. 447,225. Divided and this application June 13, 1944, Serial No. 540,061

10 Claims. (Cl. 250—15)

1. The method of reducing the phase or frequency deviation of phase or frequency modu-



lated waves which includes generating oscillations of relatively constant frequency, utilizing a portion of the generated oscillations to heterodyne the phase or frequency modulated waves down to a relatively low intermediate frequency, frequency dividing the waves of intermediate frequency, and utilizing another portion of the locally generated waves to heterodyne the frequency divided waves to a higher mean frequency.

DESIGNS

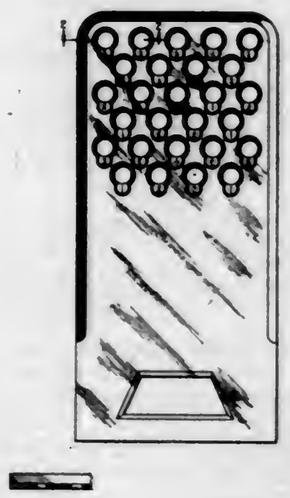
SEPTEMBER 3, 1946

145,500
DESIGN FOR A STEAK PLATTER OR SIMILAR ARTICLE
Benjamin H. Adler, Chicago, Ill.
Application November 3, 1945, Serial No. 123,433
Term of patent 14 years
(Cl. D44—15)



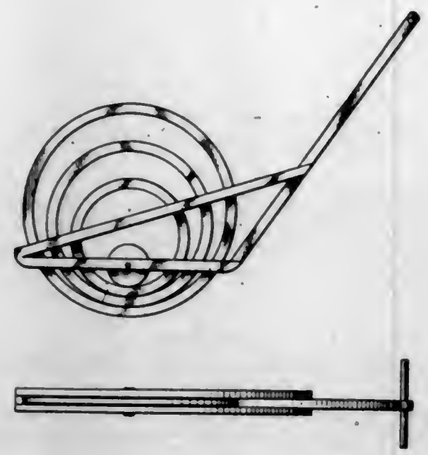
The ornamental design for a steak platter or similar article, as shown and described.

145,501
DESIGN FOR A GAME BOARD
Irving Altman, New York, N. Y.
Application July 16, 1945, Serial No. 120,727
Term of patent 7 years
(Cl. D34—5)



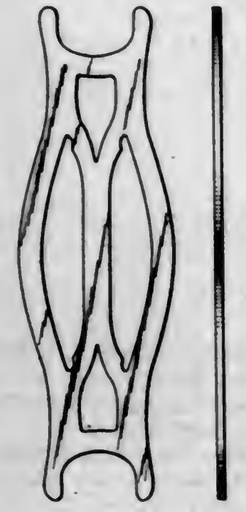
The ornamental design for a game board, substantially as shown and described.

145,502
DESIGN FOR A PUSH TOY
Dwight Moody Auchard, Vallejo, Calif.
Application October 10, 1945, Serial No. 122,726
Term of patent 14 years
(Cl. D34—15)



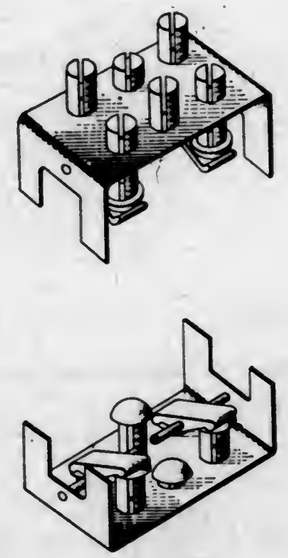
The ornamental design for a push toy, substantially as shown and described.

145,503
DESIGN FOR A HAND LINE HOLDER
Charles H. Badgley, East Cleveland, Ohio
Application November 19, 1945, Serial No. 123,917
Term of patent 14 years
(Cl. D31—4)



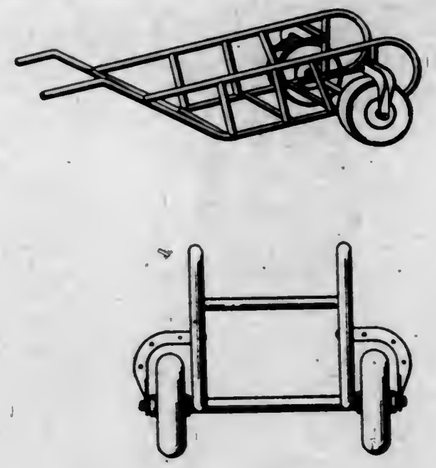
The ornamental design for a hand line holder, as shown.

145,504
DESIGN FOR A POUNDING TOY
Samuel L. Beder, New York, N. Y.
Application November 9, 1945, Serial No. 123,601
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a pounding toy, substantially as shown.

145,505
DESIGN FOR A HAND TRUCK
Alvin H. Beidelman, Jr., Naperville, Ill.
Application November 26, 1945, Serial No. 124,082
Term of patent 14 years
(Cl. D14—3)



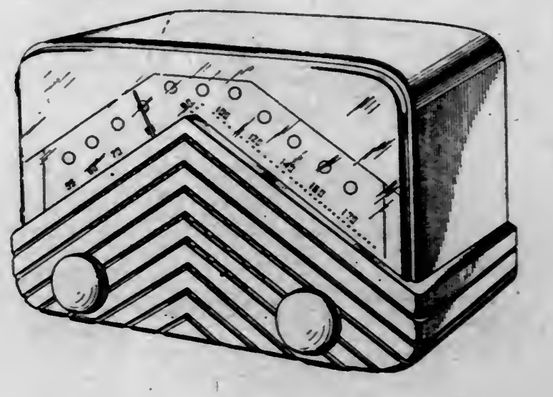
The ornamental design for a hand truck, substantially as shown.

145,506
DESIGN FOR A LIPSTICK HOLDER
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application March 22, 1946, Serial No. 127,770
Term of patent 14 years
(Cl. D86—10)



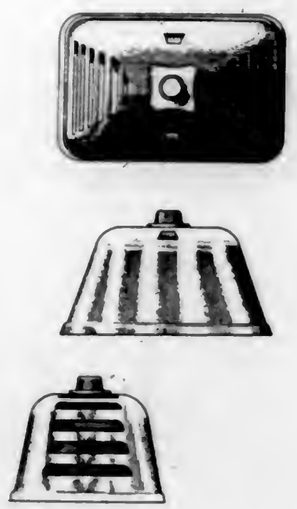
The ornamental design for a lipstick holder or similar article, as shown.

145,507
DESIGN FOR A RADIO CABINET
Robert Davol Budlong, Skokie, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application September 1, 1945, Serial No. 122,412
Term of patent 7 years
(Cl. D56—4)



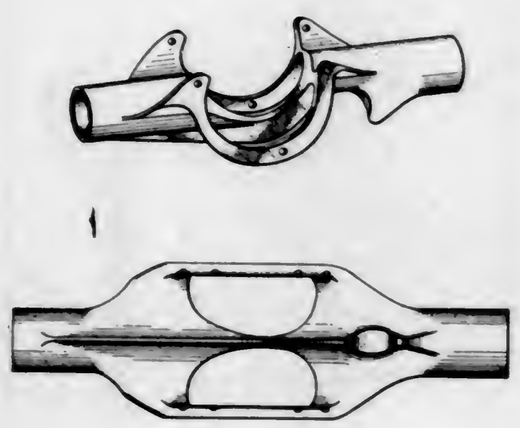
The ornamental design for a radio cabinet, as shown and described.

145,508
DESIGN FOR A RADIO RECEIVER
Paul Brinkman, Los Angeles, Calif.
Application October 3, 1945, Serial No. 122,507
Term of patent 14 years
(Cl. D56—4)



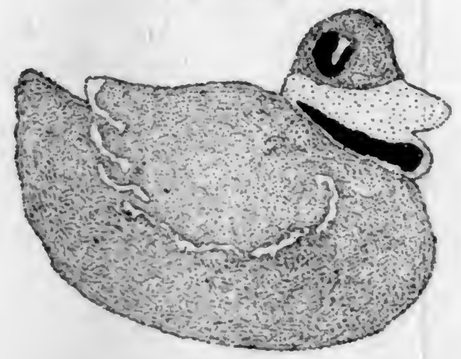
The ornamental design for a radio receiver, as shown.

145,509
DESIGN FOR A REEL SUPPORT
Mary M. Clink, Los Angeles, Calif.
Application May 25, 1945, Serial No. 119,720
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a reel support, substantially as shown.

145,510
DESIGN FOR A SCATTER RUG OR SIMILAR ARTICLE OF MANUFACTURE
Albert D. Clist, Purdy, N. Y.
Application May 21, 1946, Serial No. 129,947
Term of patent 7 years
(Cl. D92—21)



The ornamental design for a scatter rug or similar article of manufacture, as shown.

145,511
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Bernard Darvie, New York, N. Y.
Application December 21, 1945, Serial No. 124,927
Term of patent 3½ years
(Cl. D45—19)



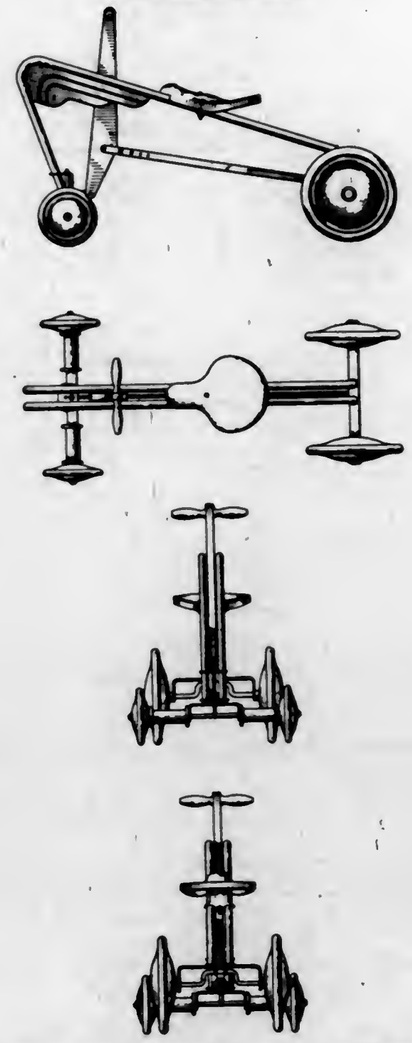
The ornamental design for a brooch or similar article, substantially as shown.

145,512
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application November 1, 1945, Serial No. 123,380
Term of patent 14 years
(Cl. D58—26)



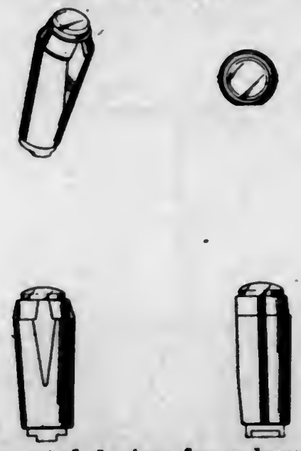
The ornamental design for a container cap, substantially as shown.

145,513
DESIGN FOR A TOY VEHICLE
Carl Dodegge, Maywood, Ill., assignor to Harry L. Lieberman, doing business as Lakewood Mfg. Co., Chicago, Ill.
Application December 8, 1945, Serial No. 124,547
Term of patent 7 years
(Cl. D34—15)



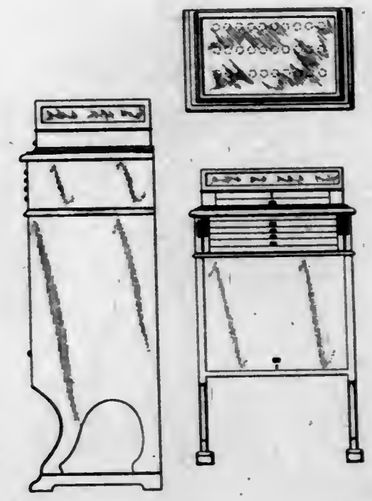
The ornamental design for a toy vehicle, substantially as shown.

145,514
DESIGN FOR A HAND STAMP
Ronald K. Duke, Los Angeles, Calif.
Application February 19, 1946, Serial No. 126,691
Term of patent 14 years
(Cl. D64—10)



The ornamental design for a hand stamp, substantially as shown and described.

145,515
DESIGN FOR A COMBINED COIN STORAGE AND DISPLAY CABINET
Adolph E. Eckert, Spring Lake, Mich.
Application December 2, 1944, Serial No. 116,672
Term of patent 14 years
(Cl. D33—19)



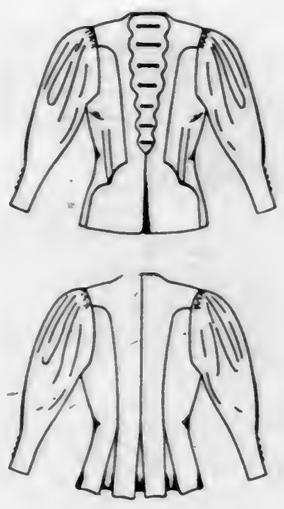
The ornamental design for a combined coin storage and display cabinet, as shown and described.

145,516
DESIGN FOR A FINGER RING
Barnett Esh, New York, N. Y., assignor to Weisfield & Goldberg, Inc., Seattle, Wash., a corporation of Delaware
Application April 18, 1945, Serial No. 119,081
Term of patent 14 years
(Cl. D45—10)



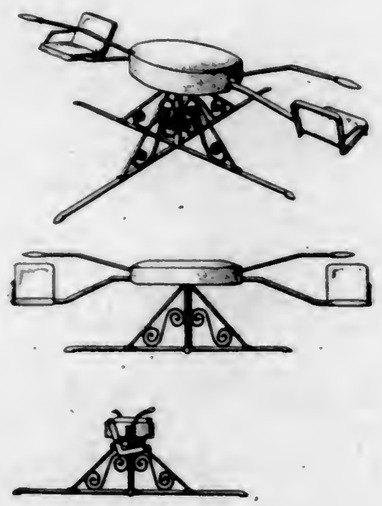
The ornamental design for a finger ring, as shown.

145,517
DESIGN FOR A JACKET
Nathan Finkelstein, New York, N. Y.
Application May 27, 1946, Serial No. 130,100
Term of patent 7 years
(Cl. D3—4)



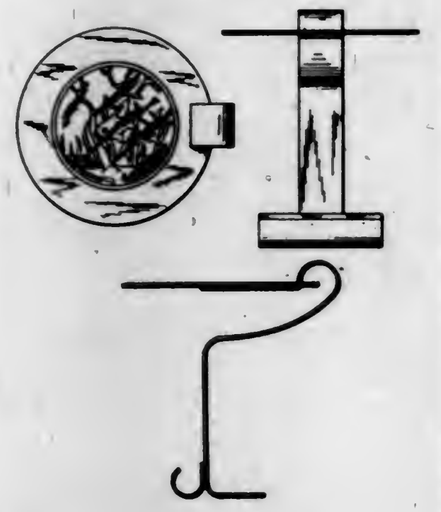
The ornamental design for a jacket, substantially as shown.

145,518
DESIGN FOR A CARROUSEL
Lowell M. Glasco, Dallas, Tex.
Application November 19, 1945, Serial No. 123,873
Term of patent 14 years
(Cl. D34—5)



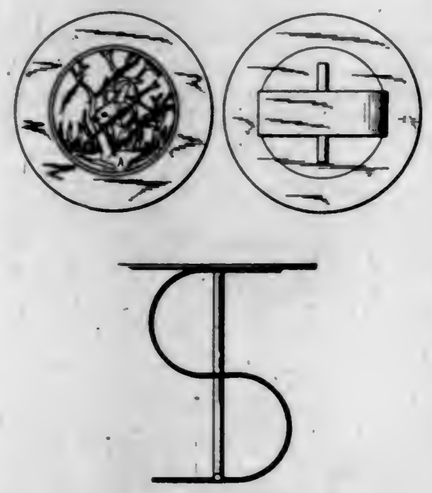
The ornamental design for a carrousel, as shown.

145,519
DESIGN FOR A TABLE OR SIMILAR ARTICLE
Claybourne W. Hart and Amplis O. Hart, Chicago, Ill.
Application December 14, 1945, Serial No. 124,736
Term of patent 7 years
(Cl. D33—14)



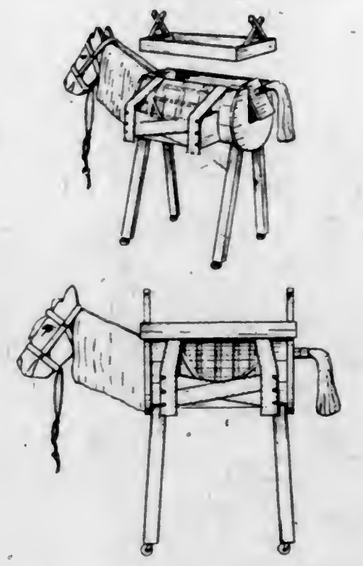
The ornamental design for a table or similar article, as shown.

145,520
DESIGN FOR A TABLE OR SIMILAR ARTICLE
Claybourne W. Hart and Amplis O. Hart, Chicago, Ill.
Application December 15, 1945, Serial No. 124,768
Term of patent 7 years
(Cl. D33—14)



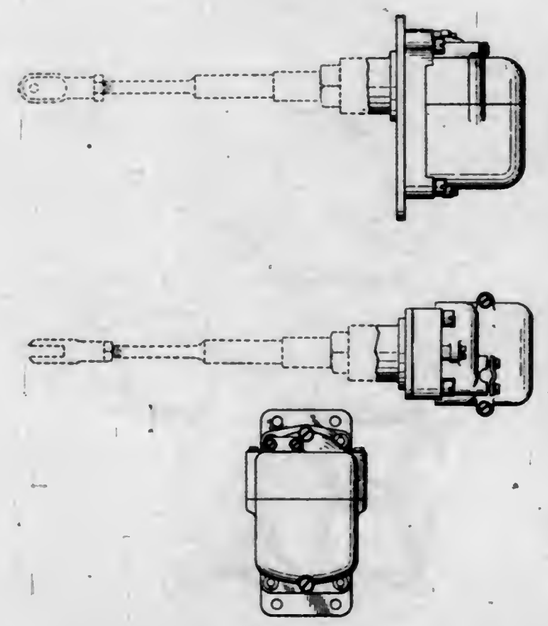
The ornamental design for a table or similar article, as shown.

145,521
DESIGN FOR A PORTABLE BAR OR SIMILAR ARTICLE
Carl H. Hasche, Los Angeles, Calif.
Application February 16, 1945, Serial No. 118,003
Term of patent 7 years
(Cl. D33—19)



The ornamental design for a portable bar or similar article, substantially as shown and described.

145,522
DESIGN FOR A MOTOR DRIVEN ACTUATOR FOR MOVABLE PARTS OF AN AIRPLANE OR THE LIKE
Carl F. Hilgeman, Buffalo, N. Y., assignor to Eastman Machine Company, Buffalo, N. Y.
Application April 11, 1945, Serial No. 118,947
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a motor driven actuator for movable parts of an airplane or the like, substantially as shown and described.

145,523
DESIGN FOR A CONDIMENT SHAKER OR SIMILAR ARTICLE
Kenneth A. Hodil, Pittsburgh, Pa., assignor of forty per cent to Fred G. Reimolds, Pittsburgh, Pa.
Application December 20, 1945, Serial No. 124,895
Term of patent 7 years
(Cl. D42—22)



The ornamental design for a condiment shaker or similar article, as shown.

145,524
DESIGN FOR A TROWEL
Otto Hoffman, Portland, Oreg.
Application October 26, 1945, Serial No. 123,227
Term of patent 14 years
(Cl. D35—2)



The ornamental design for a trowel, as shown.

145,525
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 2, 1946, Serial No. 126,203
Term of patent 7 years
(Cl. D45—19)



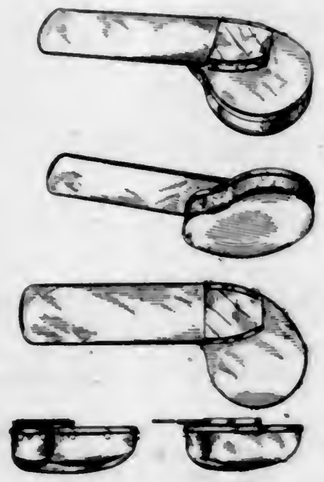
The ornamental design for a brooch or similar article, substantially as shown.

145,526
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 2, 1946, Serial No. 126,208
Term of patent 7 years
(Cl. D45—19)



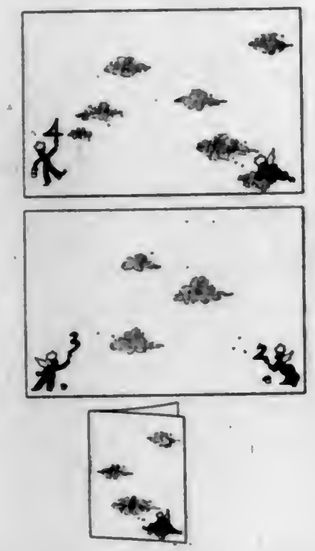
The ornamental design for a brooch or similar article, substantially as shown.

145,527
DESIGN FOR A DESCENT RETARDER
Paul M. Lewis, Los Angeles, Calif., assignor to Sky-Hook Co., Los Angeles, Calif., a limited partnership of California
Application February 12, 1945, Serial No. 117,890
Term of patent 3½ years
(Cl. D34—15)



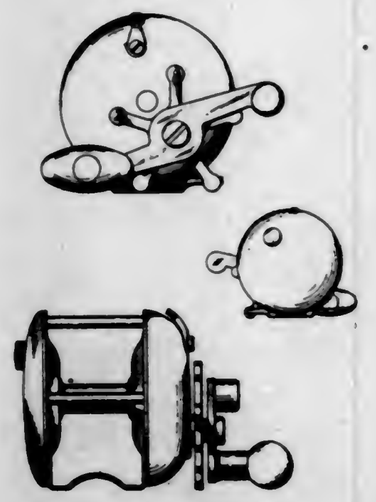
The ornamental design for a descent retarder, substantially as shown.

145,528
DESIGN FOR A SHEET OF WRITING PAPER
Sara Little, New York, N. Y., assignor to Associated Card and Stationery Company, a firm
Application April 26, 1946, Serial No. 128,984
Term of patent 3½ years
(Cl. D59—14)



The ornamental design for a sheet of writing paper, substantially as shown.

145,529
DESIGN FOR A FISHING REEL
Henry I. Mandolf, San Diego, Calif.
Application November 26, 1945, Serial No. 124,091
Term of patent 14 years
(Cl. D31—4)



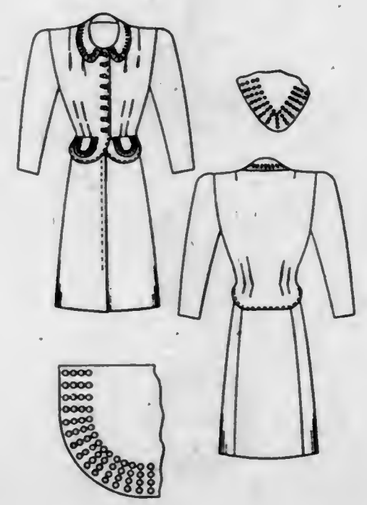
The ornamental design for a fishing reel, substantially as shown.

145,530
DESIGN FOR A FLOWER CONTAINER
Roderick I. McLellan, San Francisco, and Wilson J. Field, Orinda, Calif., assignors to E. W. McLellan Co., San Francisco, Calif., a copartnership
Application May 19, 1945, Serial No. 119,620
Term of patent 14 years
(Cl. D58—12)



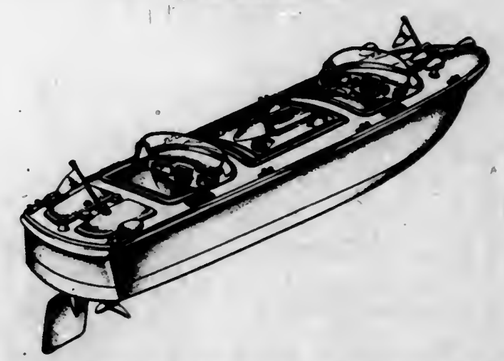
The ornamental design for a flower container, as shown and described.

145,531
DESIGN FOR A LADY'S SUIT
Morris Millard, New York, N. Y.
Application April 25, 1946, Serial No. 128,948
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a lady's suit, substantially as shown.

145,532
DESIGN FOR A TOY BOAT
Samuel Orkin, Los Angeles, Calif., assignor to Harvey Machine Co., Inc., Los Angeles, Calif., a corporation of California
Application August 6, 1945, Serial No. 121,255
Term of patent 7 years
(Cl. D34—15)



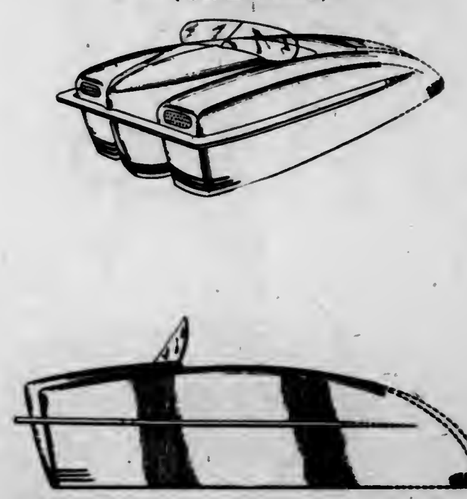
The ornamental design for a toy boat, as shown.

145,533
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel Inc., New York, N. Y.
Application February 2, 1946, Serial No. 126,215
Term of patent 7 years
(Cl. D45—19)



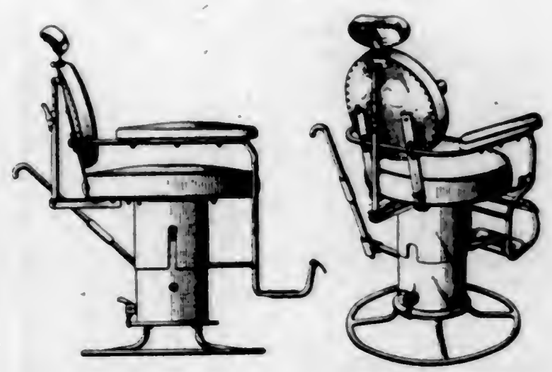
The ornamental design for a brooch or similar article, substantially as shown.

145,534
DESIGN FOR AN AUTOMOBILE BODY
Harold P. Post, Hartford, and Lauriea C. McMullen, West Hartford, Conn.
Application November 11, 1944, Serial No. 116,294
Term of patent 3½ years
(Cl. D14—3)



The ornamental design for an automobile body, as shown and described.

145,535
DESIGN FOR A CHAIR
Robert P. Ralston, Columbus, Ohio
Application November 16, 1945, Serial No. 123,826
Term of patent 14 years
(Cl. D15—3)



The ornamental design for a chair, as shown.

144,536
DESIGN FOR A SUIT
Harry Redman, New York, N. Y.
Application May 29, 1946, Serial No. 130,220
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

145,537
DESIGN FOR A COAT
Harry Redman, New York, N. Y.
Application May 29, 1946, Serial No. 130,221
Term of patent 3½ years
(Cl. D3—4)



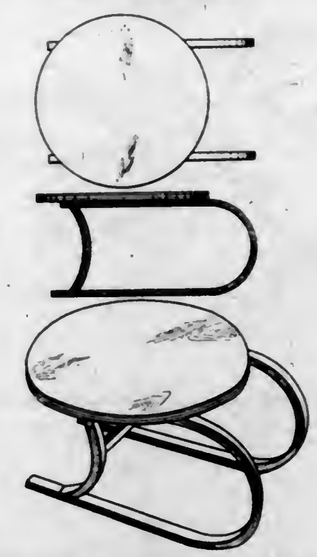
The ornamental design for a coat, substantially as shown.

145,538
DESIGN FOR A SPRAY NOZZLE
Harper Richards, Chicago, Ill., assignor to Rilling Company, Minneapolis, Minn., a corporation of Minnesota
Application November 29, 1945, Serial No. 124,175
Term of patent 7 years
(Cl. D91—3)



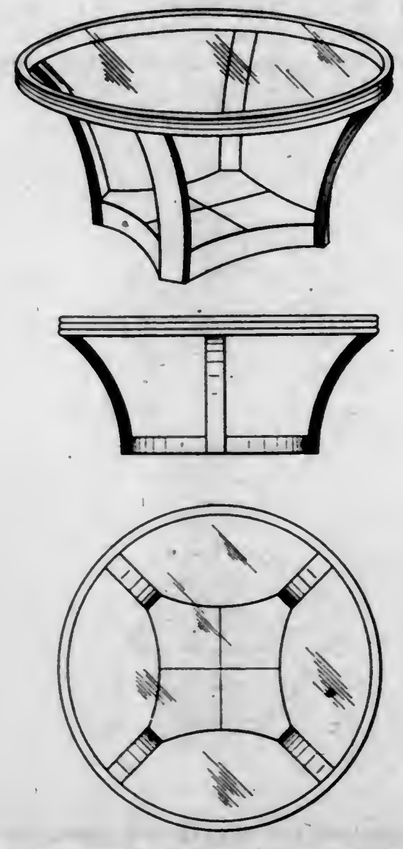
The ornamental design for a spray nozzle, substantially as shown.

145,539
DESIGN FOR A TABLE
Bernard Sky, Toronto, Ontario, Canada, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada
Application October 27, 1945, Serial No. 123,235
In Canada October 11, 1945
Term of patent 14 years
(Cl. D33—14)



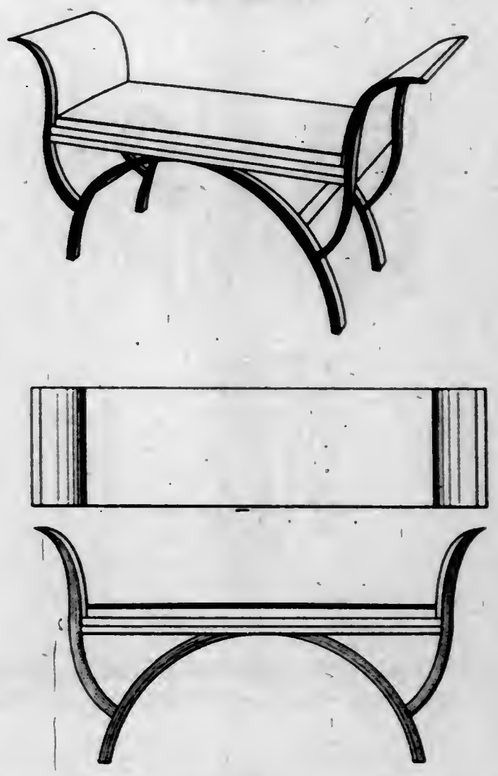
The ornamental design for a table, as shown.

145,540
DESIGN FOR A TABLE
Bernard Sky, Toronto, Ontario, Canada, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada
Application October 27, 1945, Serial No. 123,236
In Canada July 5, 1945
Term of patent 14 years
(Cl. D33—14)



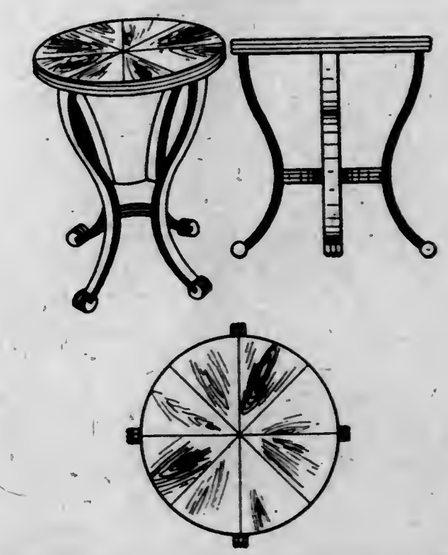
The ornamental design for a table, as shown.

145,541
DESIGN FOR A SETTEE
Bernard Sky, Toronto, Ontario, Canada, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada
Application October 27, 1945, Serial No. 123,237
In Canada July 5, 1945
Term of patent 14 years
(Cl. D15—11)



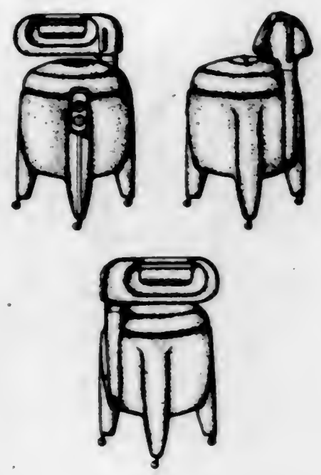
The ornamental design for a settee, as shown.

145,542
DESIGN FOR A TABLE
Bernard Sky, Toronto, Ontario, Canada, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada
Application October 27, 1945, Serial No. 123,238
In Canada July 5, 1945
Term of patent 14 years
(Cl. D33—14)



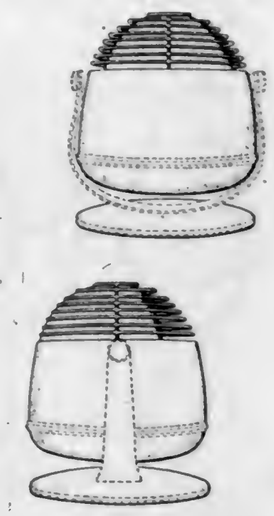
The ornamental design for a table, as shown.

145,543
DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER OR SIMILAR ARTICLE
Carl W. Sundberg, Detroit, Mich., assignor to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York
Application September 19, 1945, Serial No. 122,173
Term of patent 7 years
(Cl. D49—1)



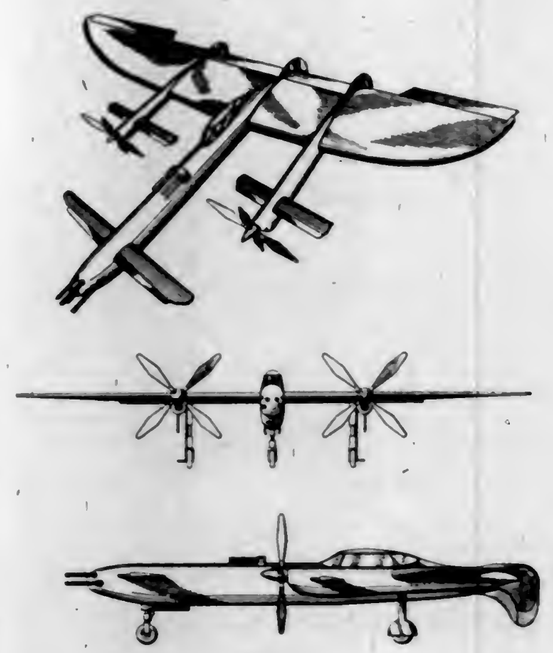
The ornamental design for a combined washing machine and wringer or similar article, as shown.

145,544
DESIGN FOR AN ELECTRIC HEATER
Jason B. Swartzbaugh, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application November 2, 1945, Serial No. 123,409
Term of patent 7 years
(Cl. D81—10)



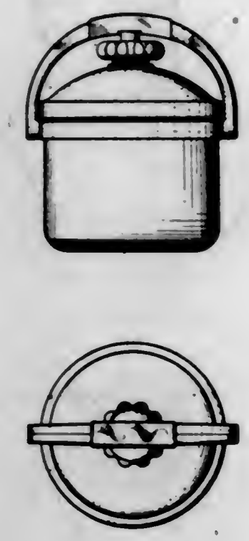
The ornamental design for an electric heater, substantially as shown and described.

145,545
DESIGN FOR AN AIRPLANE
Enrique R. Thompson, El Paso, Tex.
Application May 29, 1945, Serial No. 119,795
Term of patent 3½ years
(Cl. D71—1)



The ornamental design for an airplane, as shown.

145,546
DESIGN FOR A PRESSURE COOKER
Roy T. Watts, New York, and Frederic C. Rudolph, Jackson Heights, N. Y.
Application November 23, 1945, Serial No. 124,014
Term of patent 3½ years
(Cl. D44—1)



The ornamental design for a pressure cooker, substantially as shown.

145,547
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
Ada Westrate, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 128,246
Term of patent 3½ years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

145,548
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
Ada Westrate, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 128,253
Term of patent 3½ years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

145,549
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
Ada Westrate, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 128,254
Term of patent 3½ years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

145,550
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
Ada Westrate, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 128,259
Term of patent 3½ years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

145,551
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
Ada Westrate, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 128,261
Term of patent 3½ years
(Cl. D59—10)



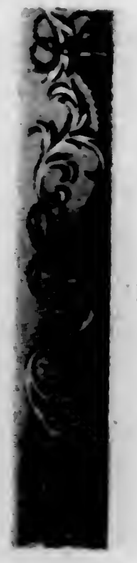
The ornamental design for wallpaper border or similar article, as shown.

145,552
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
Ada Westrate, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 128,265
Term of patent 3½ years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

145,553
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
Ada Westrate, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 128,266
Term of patent 3½ years
(Cl. D59—10)



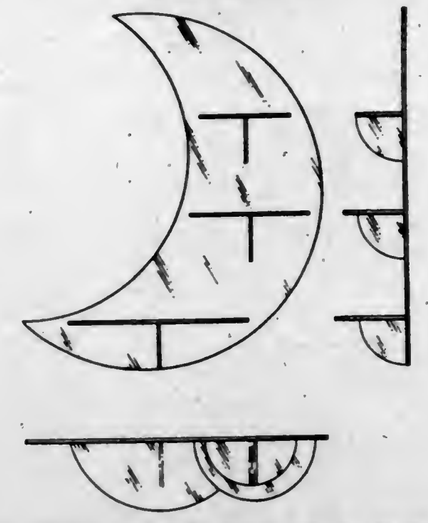
The ornamental design for wallpaper border or similar article, as shown.

145,554
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
Ada Westrate, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 128,269
Term of patent 3½ years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

145,555
DESIGN FOR A WHATNOT SHELF UNIT
Percy J. York, Tampa, Fla.
Application October 16, 1945, Serial No. 122,887
Term of patent 14 years
(Cl. D33—3)



The ornamental design for a whatnot shelf unit, substantially as shown.

145,556
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Evelyn Ziniti, New York, N. Y.
Application May 10, 1946, Serial No. 129,540
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe or similar article, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adel Precision Products Corp., Burbank, Calif. Motor operated pumps, hand operated pumps, hydraulic cylinder and piston assemblies, etc. Serial No. 482,827; Sept. 3. Class 23.

Affiliated Retailers, Inc., New York, N. Y. Hair brushes. Serial No. 498,876; Sept. 3. Class 29.

Affiliated Retailers, Inc., New York, N. Y. Tooth brushes. Serial No. 499,595; Sept. 3. Class 29.

Agawam Chemicals, Inc., West Springfield, Mass. Chemical preparations. Serial No. 488,074; Sept. 3. Class 6.

Airway Finishing Corporation, Chicago, Ill. Metal display shelves. Serial No. 500,453; Sept. 3. Class 32.

American Chemical Paint Company, Ambler, Pa. Chemical preparations. Serial No. 499,600; Sept. 3. Class 6.

Armstrong Chemical Company: *See*—
Armstrong, William L.

Armstrong, William L., doing business as Armstrong Chemical Company, Fremont, Nebr. Fluids for embalming and for disinfecting the dead human body. Serial No. 497,360; Sept. 3. Class 6.

Asher & Boretz, Inc., New York, N. Y. Woven cotton fabrics in the greige, bleached or dyed, and coated, etc. Serial No. 491,382; Sept. 3. Class 42.

Athlophoros Company: *See*—
Searles, Ennis N.

Axelrod, Nathan, San Francisco, Calif. Card game. Serial No. 484,659; Sept. 3. Class 22.

Ayerst, McKenna & Harrison Limited, New York, N. Y. Protein digest product. Serial No. 496,121; Sept. 3. Class 46.

B & T Metals Company, The, Columbus, Ohio. Building trim of extruded metals and various plastic combinations. Serial No. 499,192; Sept. 3. Class 12.

Bean, Calvin, doing business as Ideal Shirt Company, Skyesville, Pa. Men's outer shirts. Serial No. 489,710; Sept. 3. Class 39.

Bemis Bro. Bag Company, St. Louis, Mo. Fabric bags and sacks. Serial No. 491,055; Sept. 3. Class 2.

Bennett, Evelyn B., doing business under the name of Denta-Lava Company, St. Petersburg, Fla. Antiseptic-deodorant and astringent. Serial No. 497,769; Sept. 3. Class 6.

Benoliel, Katherine K., Philadelphia, Pa. Tarnish preventive. Serial No. 498,267; Sept. 3. Class 6.

Better Finishes and Coatings, Inc., Newark, N. J. Resinnous coating compositions. Serial No. 486,648; Sept. 3. Class 6.

Bischoff, Ernst, Company, Inc., Ivoryton, Conn. Thermoplastic potting compound. Serial No. 495,568; Sept. 3. Class 21.

Blakey Engineering and Marine Co., Babylon, N. Y. Row boats, sail boats and motor boats. Serial No. 497,161; Sept. 3. Class 19.

Blossom Products Corporation, Allentown, Pa. Ladies' and kiddies' panties and briefs. Serial No. 499,105; Sept. 3. Class 39.

Boland Manufacturing Company: *See*—
Boland, Stanley V.

Boland, Stanley V., doing business as Boland Manufacturing Company, Chicago, Ill. Shower bath curtains. Serial No. 487,304; Sept. 3. Class 13.

Boston Drug & Chemical Co., doing business as Prince Toiletries, Boston, Mass. Cascara sagrada tablets, rubbing alcohol, zinc ointment, etc. Serial No. 495,445; Sept. 5. Class 6.

Bowers Printing Ink Company, Chicago, Ill. Printing and lithographic ink. Serial No. 469,491; Sept. 3. Class 11.

Bristol-Myers Company, New York, N. Y. Food supplement in the form of small blocks containing brewer's yeast, etc. Serial No. 490,170; Sept. 3. Class 46.

Brown, Arthur, New York, N. Y. Mirrored picture frames, mirrored bars, mirrored show cases, etc. Serial No. 489,036; Sept. 3. Class 32.

Buffalo Pottery Incorporated, Buffalo, N. Y. Vitreous china dinnerware. Serial No. 482,728; Sept. 3. Class 30.

Butler, James H., doing business as Cà d'Oro, New York, N. Y. Perfume. Serial No. 493,320; Sept. 3. Class 6.

Cà d'Oro: *See*—
Butler, James H.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 495,570; Sept. 3. Class 6.

Cannon Electrical Development Company: *See*—
Cannon, James H.

Cannon, James H., doing business as Cannon Electric Development Company, Los Angeles, Calif. Electrical equipment and parts therefor. Serial Nos. 481,096–8; Sept. 3. Class 26.

Cavu Company, Downey, Calif. Jewelry for personal wear (not including watches). Serial No. 497,167; Sept. 3. Class 28.

Central Petroleum Company, Cleveland, Ohio. Medicated hog oil. Serial No. 485,752; Sept. 3. Class 6.

Chamberlin, Lauretta G., Chattanooga, Tenn. Preparation for use as an enema. Serial No. 489,654; Sept. 3. Class 6.

Chicago Show Printing Company, Chicago, Ill. Paper and cloth tapes and sheets. Serial No. 478,784; Sept. 3. Class 37.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. Serial No. 496,301; Sept. 3. Class 4.

Commercial Solvents Corporation, New York, N. Y. Dihydric alcohol. Serial No. 480,313; Sept. 3. Class 6.

Craft Precision Company, Los Angeles, Calif. Costume jewelry. Serial No. 495,593; Sept. 3. Class 28.

Cushman Overseas Co., New York, N. Y. Two and three wheel motor scooters and motorcycles. Serial No. 492,616; Sept. 3. Class 19.

Dassonville Co., Ltd., New York, N. Y. Light sensitized photographic paper for projection printing. Serial No. 494,955; Sept. 3. Class 26.

Denta-Lava Company: *See*—
Bennett, Evelyn B.

Desron Company, The, Balboa Island, Calif. Counter-irritant medicine. Serial No. 499,612; Sept. 3. Class 6.

De Walt Products Corporation, Lancaster, Pa. Metal cutting machines. Serial No. 474,584; Sept. 3. Class 23.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. Serial No. 491,315; Sept. 3. Class 37.

Dobre Products Co.: *See*—
Molchan, Stephen.

Donnybrook Coat and Suit Co., New York, N. Y. Misses' and junior misses' coats, suits, jackets, etc. Serial No. 494,314; Sept. 3. Class 39.

Duplex Fabrics Corporation, New York, N. Y. Rayon piece goods. Serial No. 495,219; Sept. 3. Class 42.

Electroma Company, Los Angeles, Calif. Vaporizing heat wafers. Serial No. 491,404; Sept. 3. Class 6.

Ely & Walker Dry Goods Company, St. Louis, Mo. Hosiery. Serial No. 498,216; Sept. 3. Class 39.

Erlanger, N., Blumgart & Co. Inc., New York, N. Y. Fabrics in the piece made of fibres of rayon, cotton, silk, wool, etc. Serial No. 493,261; Sept. 3. Class 42.

Fine, Herbert D., doing business as Plasti-Kote Company, Cleveland, Ohio. Paint. Serial No. 492,912; Sept. 3. Class 16.

Fischer, Albert C., doing business as Servicised Products Company, Chicago, Ill. Natural and synthetic plastic composition in sheet, rod or tube form. Serial No. 459,805; Sept. 3. Class 1.

Fishery Council, The, New York, N. Y. Fresh fish, canned fish, frozen fish. Serial No. 476,556; Sept. 3. Class 46.

Follsain Metals Ltd., Lutterworth, near Rugby, England. Outer casing of ships patent logs. Serial No. 477,606; Sept. 3. Class 26.

Freeman, I. & Son, Inc., New York, N. Y. Silver flatware and hollow ware. Serial No. 497,020; Sept. 3. Class 28.

General Radio Company, Cambridge, Mass. Stroboscopes. Serial No. 493,486; Sept. 3. Class 26.

Germain Seed and Plant Co., Los Angeles, Calif. Vegetable and flower seeds. Serial No. 489,509; Sept. 3. Class 1.

Germain Seed and Plant Co., Los Angeles, Calif. Lawn seed. Serial No. 491,913; Sept. 3. Class 1.

Gibson, George M., Bellevue, Iowa. Domestic laundry washing and ironing machines. Serial No. 487,716; Sept. 3. Class 24.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Salted codfish. Serial No. 490,487; Sept. 3. Class 46.

Grand Specialties Company, Chicago, Ill. C-clamps. Serial No. 496,379; Sept. 3. Class 23.

Grant Photo Products, Inc., New York, N. Y. Sensitized film and photographic paper. Serial No. 494,215; Sept. 3. Class 26.

Gross, Murray W., assignor to Murray W. Gross & Co., Inc., New York, N. Y. Woolen and worsted piece goods. Serial No. 487,778; Sept. 3. Class 42.

Gross, Murray W., & Co., Inc.: *See*—
Gross, Murray W.

Hange, G. N., Chicago, Ill. Candies. Serial No. 496,236; Sept. 3. Class 46.

Harte, Ralph S., San Francisco, Calif. Thin transparent or translucent sheets or films of polyvinyl chloride resin, etc. Serial No. 490,825; Sept. 3. Class 42.

Harte, Ralph S., San Francisco, Calif. Thin transparent or translucent sheets or films of polyvinyl chloride resin, etc. Serial No. 490,829; Sept. 3. Class 42.

Heinz, Howard H., Incorporated, Detroit, Mich. Center drill. Serial No. 496,077; Sept. 3. Class 23.

Helfand, Hyman, doing business as Hyman Helfand Shoe Co., New York, N. Y. Shoes, sandals and slippers. Serial No. 487,364; Sept. 3. Class 39.

Helfand, Hyman, Shoe Co.: *See*—
Helfand, Hyman.

Hilco Incorporated, St. Louis, Mo. Permanent wave kits. Serial No. 493,120; Sept. 3. Class 50.

Hollander, Samuel, Cleveland, Ohio. Instruments used to check intermaxillary relationship of dentures. Serial No. 492,562; Sept. 3. Class 44.

Hudnut, Richard, New York, N. Y. Cosmetic kits. Serial No. 473,945; Sept. 3. Class 50.

Ideal Shirt Company: *See*—
Bean, Calvin.

International Nickel Company, Inc., The, New York, N. Y. Pot cleaners made of metal textile. Serial No. 494,791; Sept. 3. Class 4.

Interstate Popcorn Co.: *See*—
Zussman, Jeannette R.

Josie Lingerie, A Corporation, New York, N. Y. Certain articles of clothes for women and girls. Serial No. 498,634; Sept. 3. Class 39.

Juliette Frocks: *See*—
Rothbart, Sam.

Knight Screw Products Company, Detroit, Mich. Golf clubs. Serial No. 500,396; Sept. 3. Class 22.

Koret of California Inc., San Francisco, Calif. Girls' and women's suits and playsuits. Serial No. 500,311; Sept. 3. Class 39.

La Porte Corporation, The, Chicago, Ill., and La Porte, Ind. Baby walkers. Serial No. 486,995; Sept. 3. Class 22.

La Porte Corporation, The, Chicago, Ill., and La Porte, Ind. Wheeled goods. Serial No. 489,224; Sept. 3. Class 22.

Les Parfums de Dana, Inc., New York, N. Y. Toilet preparations. Serial No. 499,720; Sept. 3. Class 6.

Lichtenberger-Ferguson Company, Los Angeles, Calif. Horse collars, halters, straps, etc. Serial No. 489,129; Sept. 3. Class 3.

Llewellyn Biological Institute, The, Los Angeles, and Westwood Village, Los Angeles, Calif. Liver extract. Serial No. 476,071; Sept. 3. Class 6.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Dress shields. Serial No. 486,049; Sept. 3. Class 40.

Lu Rae Plastic Fabricators: *See*—
Robinson, Louis W.

M. B. M. Company, Everett, Wash. Prefabricated buildings. Serial No. 499,561; Sept. 3. Class 12.

Man of Manhattan, New York, N. Y. Men's cologne and after shave lotion. Serial No. 492,775; Sept. 3. Class 6.

Man of Manhattan, Inc., New York, N. Y. Men's toiletries. Serial No. 491,651; Sept. 3. Class 6.

Man of Manhattan, Inc., New York, N. Y. Men's toiletries. Serial Nos. 491,657–9; Sept. 3. Class 6.

Medi-Synth Laboratories, Los Angeles, Calif. Liver and vitamin tonic. Serial No. 491,871; Sept. 3. Class 6.

Mercury Aircraft, Inc., Hammondsport, N. Y. Gasoline tanks and oil tanks. Serial No. 494,976; Sept. 3. Class 2.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Tablet for use as a diuretic and myocardinal stimulant. Serial No. 491,873; Sept. 3. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Tablet for oral administration for use in hemoglobin regeneration. Serial No. 492,212; Sept. 3. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Intravenous solution. Serial No. 492,214; Sept. 3. Class 6.

Minerva Corporation of America, New York, N. Y. Radio receiving sets and radio transmitting sets. Serial No. 481,854; Sept. 3. Class 21.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sheet material. Serial No. 491,991; Sept. 3. Class 37.

Molchan, Stephen, doing business as Dobre Products Co., Jersey City, N. J. Hair waving solutions. Serial No. 487,331; Sept. 3. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. Serial No. 491,109; Sept. 3. Class 1.

Motor Wheel Corporation, Lansing, Mich. Oil burning water heaters, oil burning furnaces, cooking stoves, etc. Serial No. 482,695; Sept. 3. Class 34.

Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 491,424; Sept. 3. Class 27.

Mutual Orange Distributors, Redlands, Calif. Fresh citrus fruits. Serial No. 489,596; Sept. 3. Class 46.

National Rubber Machinery Company, Akron, Ohio. Extrusion presses for plastics. Serial No. 496,855; Sept. 3. Class 23.

National Trading Company, Hickory, N. C. Clothes washing machines. Serial No. 489,278; Sept. 3. Class 24.

Norcross, New York, N. Y. Greeting cards and greeting folders, etc. Serial No. 483,913; Sept. 3. Class 38.

Nutter, Ernest T., New York, N. Y. Lipstick, rouge, nail polish, etc. Serial No. 496,459; Sept. 3. Class 6.

Oakes & Company, Chicago, Ill. Aluminum ware. Serial No. 493,816; Sept. 3. Class 13.

Osgoodby, Reginald D., Chicago, Ill. Playing cards and game boards. Serial No. 491,766; Sept. 3. Class 22.

Oster Manufacturing Company, The, Cleveland, Ohio. Semi-portable pipe, bolt and rod threading and cutting off machine. Serial No. 496,401; Sept. 3. Class 23.

Padgett, Mary P., Bloomingdale, N. J. Puzzles. Serial No. 500,015; Sept. 3. Class 22.

Panoramic Radio Corporation, New York, N. Y., and elsewhere. Electrical frequency detecting or measuring equipment, etc. Serial Nos. 475,066–9; Sept. 3. Class 26.

Parfait, Incorporated, Chicago, Ill. Cologne, talcum powder, after-shave lotion, etc. Serial No. 499,648; Sept. 3. Class 6.

Parfum L'Orle, Inc., New York, N. Y. Perfumes and toilet waters. Serial No. 494,515; Sept. 3. Class 6.

Parfumerie Fragonard G. Fuchs & Cie, Paris, France. Perfumes. Serial No. 488,120; Sept. 3. Class 6.

Parfumerie Fragonard G. Fuchs & Cie, Paris, France. Perfumes. Serial No. 488,122; Sept. 3. Class 6.

Parker Pen Company, The, Janesville, Wis. Writing ink. Serial No. 488,474; Sept. 3. Class 11.

Parker Watch Company, New York, N. Y. Watches and parts thereof. Serial No. 499,266; Sept. 3. Class 27.

Parrott & Co., San Francisco, Calif. Canned fruits and canned vegetables. Serial No. 497,192; Sept. 3. Class 46.

Pemberton Products Company, Irvington, N. J. Soap powder. Serial No. 491,427; Sept. 3. Class 4.

Perfection Twine Company, Cams, Wash., and Portland, Oreg. Paper bags. Serial No. 487,634; Sept. 3. Class 2.

Peterman, William, Inc., Newark, N. J. Insecticide. Serial No. 494,574; Sept. 3. Class 6.

Phillips Petroleum Company, Bartlesville, Okla. Golf balls and savings banks. Serial No. 468,731; Sept. 3. Class 22.

Phillips Petroleum Company, Bartlesville, Okla. Golf balls. Serial No. 469,307; Sept. 3. Class 22.

Pinkerton, S.: *See*—
Pinkerton, Sherwood M.

Pinkerton, Sherwood M., doing business as S. Pinkerton. Toledo, Ohio. Food for roses and plants. Serial No. 496,152; Sept. 3. Class 10.

Plasti-Kote Company: *See*—
Fine, Herbert D.

Plymouth Cordage Company, Plymouth, Mass. Rope. Serial No. 502,999; Sept. 3. Class 7.

Prime Leather Co., Inc., New York, N. Y. Brief cases. Serial No. 498,078; Sept. 3. Class 3.

Primrose House, Inc., New York, N. Y. Bath salts, bath oils, hand lotion, etc. Serial No. 488,548; Sept. 3. Class 6.

Prince Toiletries: *See*—
Boston Drug & Chemical Co.

Quaker Chemical Products Corporation, Conshohocken, Pa. Cutting oils. Serial No. 489,531; Sept. 3. Class 15.

Radio Receptor Company, Inc., New York, N. Y. Selenium rectifiers. Serial No. 498,254; Sept. 3. Class 21.

Redmond, A. G., Co., assignor to Redmond Company, Inc., Owosso, Mich. Electric motor driven blowers. Serial No. 497,628; Sept. 3. Class 34.

Redmond Company, Inc.: *See*—
Redmond, A. G., Co.

Requa Manufacturing Co., Inc., New York and Brooklyn, N. Y. Refrigerator and icebox deodorizers. Serial No. 497,131; Sept. 3. Class 6.

Revoc, Inc., New York, N. Y. Jewelry for personal adornment (not including watches). Serial No. 488,368; Sept. 3. Class 28.

Rhine Undergarment Company, New York, N. Y. Ladies' and children's panties, polo shirts, slips, etc. Serial No. 496,103; Sept. 3. Class 39.

Richmond-Phillips, New York, N. Y. Sachet articles. Serial No. 496,573; Sept. 3. Class 40.

Riette, Elizabeth F., doing business as Texatone Co., Methuen, Mass. Preparation for internal treatment of asthma, bronchial affections, catarrh, etc. Serial No. 487,692; Sept. 3. Class 6.

Risdale & Co. Limited, Middlesbrough, England. Chemical substances used in analysis. Serial No. 497,816; Sept. 3. Class 6.

Robbins Company, The, Attleboro, Mass. Jewelry for personal wear or adornment (not including watches), etc. Serial No. 494,798; Sept. 3. Class 28.

Robinson, Louis W., doing business as Lu Rae Plastic Fabricators, Kansas City, Mo. Electric lamps. Serial No. 496,862; Sept. 3. Class 21.

Ronai, Arthur, doing business as Rose Ronai, New York, N. Y. Rouge, face powder, perfume, toilet water, etc. Serial No. 495,408; Sept. 3. Class 6.

Ronai, Rose: *See*—
Ronai, Arthur.

Rothbart, Sam, doing business as Juliette Frocks, Chicago, Ill. Ladies' dresses. Serial No. 486,388; Sept. 3. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. Serial No. 495,765; Sept. 3. Class 44.

Schwartz, Paul, New York, N. Y. Window drapes and hangings. Serial No. 496,168; Sept. 3. Class 42.

Searles, Ennis N., doing business as Athlophoros Company, Pomfret Center, Conn. Specific for the treatment of neuralgia and rheumatism. Serial No. 498,033; Sept. 3. Class 6.

Semet-Solvay Company, New York, N. Y. Coke. Serial No. 493,150; Sept. 3. Class 1.

Sensenich Brothers, Lancaster, Pa. Airplane propellers. Serial No. 497,342; Sept. 3. Class 19.

Servicised Products Company: *See*—
Shippers Sales Service, Nogales, Ariz. Fresh vegetables. Serial No. 492,861; Sept. 3. Class 46.

Shurebite Inc., Bronson, Mich. Fish lures. Serial Nos. 503,136–7; Sept. 3. Class 22.

Smidth, F. L., & Co., New York, N. Y. Linings for tube mills. Serial No. 497,976; Sept. 3. Class 23.

Smith, Kline & French Laboratories, Philadelphia, Pa. Pharmaceutical preparations. Serial No. 496,341; Sept. 3. Class 6.

Societe Anonyme de la Manufacture d'Horlogerie Audemars Piguet & Cie., Le Brassus, Switzerland. Time pieces. Serial No. 486,710; Sept. 3. Class 27.

Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnieres, near Paris, France. Perfumes. Serial No. 497,979; Sept. 3. Class 6.

Solar Corporation, Milwaukee, Wis., and Webster City, Iowa. Motor scooters. Serial No. 499,166; Sept. 3. Class 19.

Sonneborn, L., Sons, Inc., New York, N. Y. Hardening and waterproofing powdered composition. Serial No. 476,852; Sept. 3. Class 12.

Stafford, Claude W., Florence, Ala. Dog mange medicine. Serial No. 491,521; Sept. 3. Class 6.

Standard Milling Company, New York, N. Y. Wheat flour. Serial No. 495,157; Sept. 3. Class 46.

Swartwout Company, The, Cleveland, Ohio. Roof ventilators, power-driven fan ventilators, and rotary roof ventilators, etc. Serial No. 495,525; Sept. 3. Class 34.

Syracuse Ornamental Co., New York, N. Y. Goods not made of precious or semi-precious metal. Serial No. 490,979; Sept. 3. Class 8.

Terrytoons, Inc., New Rochelle, N. Y. Motion picture films of animated cartoons with synchronized sound track thereon. Serial No. 494,721; Sept. 3. Class 26.

Texatone Co.: *See*—
Riette, Elizabeth F.

Theobald Industries, The, Kearny and Harrison, N. J. Dog food. Serial No. 497,139; Sept. 3. Class 46.

Town and Country Shoes, Sedalia, Mo. Handbags. Serial No. 491,221; Sept. 3. Class 3.

Union Fork and Hoe Company, The, Columbus, Ohio. Hand-operated tools. Serial No. 483,045; Sept. 3. Class 23.

Union Pin Company, The, Winsted, Conn. Common pins. Serial No. 496,000; Sept. 3. Class 40.

U. S. Steel Furniture Mfg. Corp., New York, N. Y. Table tops. Serial No. 501,612; Sept. 3. Class 32.

Universal Zonolite Insulation Co., Chicago, Ill. Admixture of vermiculite, Portland cement, and a waterproofing compound. Serial No. 486,701; Sept. 3. Class 12.

Valley View Packing Company, San Jose, Calif. Dried fruits, raisins, and currants. Serial No. 489,997; Sept. 3. Class 46.

Van Patten Pharmaceutical Co., Chicago, Ill. Brominated thyroid products. Serial No. 499,584; Sept. 3. Class 6.

Velsicol Corporation, Chicago, Ill. Insecticides and fungicides. Serial No. 499,586; Sept. 3. Class 6.

Velsicol Corporation, Chicago, Ill. Insecticides and fungicides. Serial No. 499,588; Sept. 3. Class 6.

Velsicol Corporation, Chicago, Ill. Insecticides and fungicides. Serial No. 499,591; Sept. 3. Class 6.

Visking Corporation, The, Chicago, Ill. Cellulose casings and tubing used as containers. Serial No. 487,744; Sept. 3. Class 2.

Vitamins & Pharmaceuticals, Inc., Dover, Del. Preparation containing various amino acids. Serial No. 496,180; Sept. 3. Class 6.

Vitamins & Pharmaceuticals, Inc., Dover, Del. B-complex with amino acid hydrolysate and estrogenic hormone. Serial No. 496,588; Sept. 3. Class 6.

Western Carolina Furniture Company, Hickory, N. C. Upholstered living room chairs. Serial No. 500,265; Sept. 3. Class 32.

Western Columbia Manufacturing Co., Los Angeles, Calif. Diablo tops. Serial No. 491,905; Sept. 3. Class 22.

Williams, Bill, Chicken House: *See*—
Williams, James A.

Williams, James A., doing business as Bill Williams Chicken House, Houston, Mass. Fried chicken. Serial No. 492,533; Sept. 3; Class 46.

Winthrop Chemical Company, Inc., New York, N. Y. Bronchodilator preparation. Serial No. 499,746; Sept. 3. Class 6.

Wohl, L., & Company, New York, N. Y. Children's dresses, blouses, and skirts. Serial No. 487,695; Sept. 3. Class 39.

Wynne Precision Company, Griffin, Ga. Fishing tackle. Serial No. 491,299; Sept. 3. Class 22.

Wynne Precision Company, Griffin, Ga. Fishing tackle. Serial Nos. 491,301–2; Sept. 3. Class 22.

Zadek Feldstein Co., Inc., New York, N. Y. Plastic feeding sets. Serial No. 487,833; Sept. 3. Class 50.

Zussman, Jeannette R., doing business as Interstate Popcorn Co., Boston, Mass. Popcorn, etc. Serial No. 492,812; Sept. 3. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, to Abraham & Straus, Inc., Brooklyn, N. Y. Knit underwear. 51,309; re-renewed Apr. 10, 1946. O. G. Sept. 3. Class 39.

Abraham & Straus, Inc.: *See*—
Abraham & Straus.

Abraham & Straus, Inc., New York, N. Y., to Abraham & Straus, Inc., Brooklyn, N. Y. Shoe lasts, animal traps, rat traps, etc. 218,664; renewed Sept. 28, 1946. O. G. Sept. 3. Class 50.

Abraham & Straus, Inc., Brooklyn, N. Y. Linen piece goods, bed sheets, pillowcases, etc. 423,574; Sept. 3; Serial No. 492,880; published June 4, 1946. Class 42.

Ackerman, D., & Sons Ltd., Edgware, Middlesex, England. Sewing needles. 423,455; Sept. 3; Serial No. 483,803; published May 28, 1946. Class 40.

Acme White Lead & Color Works: *See*—
Briggs, John & Co.

Adam, Frank, Electric Company, St. Louis, Mo. Circuit breakers. 423,620; Sept. 3; Serial No. 494,297; published June 11, 1946. Class 21.

Adel Precision Products Corp., Burbank, Calif. Cameras, parts thereof and accessories therefor. 423,622; Sept. 3; Serial No. 494,417; published June 11, 1946. Class 26.

Advance Aluminum Castings Corp., Chicago, Ill. Cast aluminum cookware. 423,576; Sept. 3; Serial No. 492,980; published June 11, 1946. Class 13.

Advance Aluminum Castings Corp., Chicago, Ill. Cast aluminum cookware. 423,577; Sept. 3; Serial No. 492,982; published June 11, 1946. Class 13.

Advance Aluminum Castings Corp., Chicago, Ill. Cast aluminum cookware. 423,578; Sept. 3; Serial No. 492,984; published June 11, 1946. Class 13.

Affiliated Retailers, Inc., New York, N. Y. Radio receiving sets. 423,605; Sept. 3; Serial No. 493,709; published May 28, 1946. Class 21.

Ainsworth, Wm., & Sons, Inc., Denver, Colo. Pocket transits. 423,472; Sept. 3; Serial No. 486,019; published June 18, 1946. Class 26.

Aktiebolaget Elektrolux, Stockholm, Sweden, to Servel, Inc., New York, N. Y. Refrigerating apparatus, refrigerating machines, and refrigerators. 214,633; renewed June 29, 1946. O. G. Sept. 3. Class 31.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Household linens, table cloths, napkins, etc. 423,597; Sept. 3; Serial No. 493,422; published June 4, 1946. Class 42.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Refrigerators and home freezers. 423,606; Sept. 3; Serial No. 493,712; published June 18, 1946. Class 31.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Refrigerators and home freezers. 423,607; Sept. 3; Serial No. 493,714; published June 18, 1946. Class 31.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Transmitting and receiving apparatus. 423,558; Sept. 3; Serial No. 492,016; published June 11, 1946. Class 21.

Allis-Chalmers Manufacturing Company, Milwaukee and West Allis, Wis. Electric circuit switching apparatus and parts thereof. 423,591; Sept. 3; Serial No. 493,308; published June 4, 1946. Class 21.

Alpena Leather Corporation, Buffalo, N. Y., to J. Greenebaum Tanning Co., Chicago, Ill. Full-grained and buffed sole leather. 218,506; renewed Sept. 28, 1946. O. G. Sept. 3. Class 1.

Altman, B. & Co., New York, N. Y. Dinner sets, breakfast sets, and similar china or porcelain ware. 218,264; renewed Sept. 21, 1946. O. G. Sept. 3. Class 30.

Altorfer Bros. Company, East Peoria, Ill., to Altorfer Bros. Company, Peoria, Ill. Clothes or laundry washing machines. 215,158; renewed July 13, 1946. O. G. Sept. 3. Class 24.

American Brake Shoe Company, New York, N. Y. Rail lubricators. 423,512; Sept. 3; Serial No. 490,049; published May 28, 1946. Class 23.

American Brake Shoe Company, New York, N. Y., and St. Louis, Mo. Trolley wheels and trolley harps. 423,612; Sept. 3; Serial No. 493,907; published June 11,1946. Class 21.

American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Lawn mowers. 423,452; Sept. 3; Serial No. 482,960; published May 21, 1946. Class 23.

American Cigar Company, to The American Tobacco Company, New York, N. Y. Cigars. 52,314; re-renewed May 8, 1946. O. G. Sept. 3. Class 17.

American Fruit Growers Incorporated, Wilmington, Del., and Pittsburgh, Pa., to American Fruit Growers Incorporated, Pittsburgh, Pa. Fresh citrous fruits, fresh deciduous fruits, fresh berries, etc. 216,169; renewed Aug. 3, 1946. O. G. Sept. 3. Class 46.

American Medical Glass Company, Washington, D. C. Surgical dressing. 423,640; Sept. 3; Serial No. 497,836; published June 18, 1946. Class 44.

American Tobacco Company, The: *See*—
American Cigar Company.

Anchor Rubber Products, Inc., Cleveland, Ohio. Vibration and shock absorbing engine and transmission mounts. 423,508; Sept. 3; Serial No. 489,894; published June 18, 1946. Class 23.

Ardco Manufacturing Company, North Bergen, N. J. Built-in track-attached mechanical lubricating apparatus. 423,497; Sept. 3; Serial No. 488,683; published May 21, 1946. Class 23.

Arey, Ralph G., Lynn, Mass. Combination hand rake and cutter. 423,514; Sept. 3; Serial No. 490,096; published June 4, 1946. Class 23.

Aristocrat Leather Products, Inc., New York, N. Y., assignor to S. E. Knee. Compact and vanity cases, cases for eyeglasses, etc. 423,430; Sept. 3; Serial No. 469,529; published Nov. 14, 1944. Class 2.

Armour and Company, Chicago, Ill. Nut margarine. 211,292; renewed Apr. 6, 1946. O. G. Sept. 3. Class 46.

Armstrong Cork Company, Lancaster, Pa. Lightweight floor, wall and similar surface coverings of the linoleum type. 423,610; Sept. 3; Serial No. 493,944; published June 11, 1946. Class 20.

Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Hard surface floor coverings of the type including a felt base and a mastic wearing surface. 423,630; Sept. 3; Serial No. 495,565; published June 18, 1946. Class 20.

Associated Merchandising Corporation, to Associated Merchandising Corporation, New York, N. Y. Men's negligee shirts. 217,620; renewed Sept. 7, 1946. O. G. Sept. 3. Class 39.

Atlantic Refining Company, Franklin and Philadelphia, Pa., to The Atlantic Refining Company, Philadelphia, Pa. Lubricating-oils. 51,677; re-renewed Apr. 24, 1946. O. G. Sept. 3. Class 15.

Atlantic Refining Company, The: *See*—
Atlantic Refining Company.

Atlantic Refining Company, The, Philadelphia, Pa. Liquid fuels. 217,225; renewed Aug. 31, 1946. O. G. Sept. 3. Class 15.

Aunt Mid Company, Detroit, Mich. Fresh whole spinach and fresh sliced and shredded mixed vegetables. 423,507; Sept. 3; Serial No. 489,785; published June 4, 1946. Class 46.

Auto-Vehicle Parts Co., Newport, Ky. Automobile and vehicle top, hardware and automobile and truck body hardware. 423,498; Sept. 3; Serial No. 488,727; published June 18, 1946. Class 13.

Babcock-Wilcox Tube Company, The, Beaver Falls, Pa. Tubes. 423,598; Sept. 3; Serial No. 493,475; published June 11, 1946. Class 13.

Bastis Importing Company, Inc., New York, N. Y. Salad dressing. 423,649; Sept. 3. Class 46.

Beach Brothers: *See*—
Beach, Edward J.

Beach, Edward J., doing business as Beach Brothers, Dubuque, Iowa. Soap and soap preparations. 423,543; Sept. 3; Serial No. 491,383; published June 4, 1946. Class 4.

Bear Brand Hosiery Co., Chicago, Ill., to Bear Brand Hosiery Co., Kankakee, and Chicago, Ill. Textile hosiery. 210,939; renewed Mar. 30, 1946. O. G. Sept. 3. Class 39.

Beatrice Creamery Company: *See*—
Blue Valley Creamery Company.

Beck, Ruth A., doing business as F. I. Blake Co., Worcester, Mass. Inside and outside calipers, dividers, and pencil compasses, etc. 423,563; Sept. 3; Serial No. 492,352; published June 18, 1946. Class 26.

Becker, Rodger F., doing business as Kalamazoo Aero-Motive Manufacturing Company, Kalamazoo, Mich. Automotive radiator flushing gun. 423,600; Sept. 3; Serial No. 493,585; published May 28, 1946. Class 23.

Bedell Company, The, to Bedell Stores, Inc., New York, N. Y. Cloaks, dress-skirts, dress-waists, etc. 55,049; re-renewed Aug. 7, 1946. O. G. Sept. 3. Class 39.

Bedell Stores, Inc.: *See*—
Bedell Company, The.

Bee-Tee Optical Corporation, New York, N. Y. Sun glasses. 423,601; Sept. 3; Serial No. 493,586; published June 18, 1946. Class 26.

Beier, Grace, Washington, D. C. Infant sling support adapted to be worn by an adult. 423,493; Sept. 3; Serial No. 488,390; published June 18, 1946. Class 19.

Bemis Bro. Bag Company, St. Louis, Mo. Sewing thread. 423,429; Sept. 3; Serial No. 467,911; published May 28, 1946. Class 43.

Bendix Aviation Corporation, Teterboro, N. J. Flexible metal hose. 423,438; Sept. 3; Serial No. 478,266; published June 11, 1946. Class 35.

Bendix Aviation Corporation, North Hollywood, Calif. Hydraulic valve actuators. 423,495; Sept. 3; Serial No. 488,564; published June 11, 1946. Class 23.

Berliner, Edwin E., & Co., to Edwin E. Berliner & Co., New York, N. Y. Cotton dress goods in the piece. 217,157; renewed Aug. 24, 1946. O. G. Sept. 3. Class 42.

Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Pile fabric floor coverings. 423,463; Sept. 3; Serial No. 484,775; published May 28, 1946. Class 42.

Birtcher Corporation, The, Los Angeles, Calif. Self-retaining electrodes used in electro-surgical apparatus. 423,457; Sept. 3; Serial No. 484,117; published June 11, 1946. Class 44.

Bissell Varnish Company, The: *See*—
Crockett, David B., Company, The.

Black and Decker Manufacturing Company, The, Towson, Md. Hand supported and controlled electric power driven shears. 423,444; Sept. 3; Serial No. 479,274; published Oct. 23, 1945. Class 21.

Blake, F. I., Co.: *See*—
Beck, Ruth A.

Blue Valley Creamery Company, St. Joseph, Mo., to Beatrice Creamery Company, Chicago, Ill. Butter. 53,240; re-renewed May 29, 1946. O. G. Sept. 3. Class 46.

Bon Marche, The: *See*—
Allied Stores Corporation.

Borgfeldt, Geo., Corporation, New York, N. Y. Statues of humans, animal figures, religious figures, etc. 423,548; Sept. 3; Serial No. 491,623; published June 4, 1946. Class 50.

Borrelli, Elmer F., Philadelphia, Pa. Cribs. 423,628; Sept. 3; Serial No. 495,535; published June 18, 1946. Class 32.

Boston Woven Hose & Rubber Company, Cambridge, Mass. Rub aprons for carding machines. 423,513; Sept. 3; Serial No. 490,057; published June 11, 1946. Class 23.

Briggs, John, & Co., Boston, Mass., to Acme White Lead & Color Works, Detroit, Mich. Bronze-green paints. 51,278; re-renewed Apr. 10, 1946. O. G. Sept. 3. Class 16.

Brooklyn Citizen, The, Brooklyn, N. Y. Evening and Sunday newspaper. 218,630; renewed Sept. 28, 1946. O. G. Sept. 3. Class 38.

Brooks Paper Company, St. Louis, Mo. Tissue paper, vegetable parchment, wax paper, etc. 214,929; renewed July 6, 1946. O. G. Sept. 3. Class 37.

Brown, Arthur, New York, N. Y. Mirrored picture frames, mirrored bars, mirrored show cases, etc. 423,659; Sept. 3. Class 32.

Browne, Stewart R., Mfg. Co. Inc., New York, N. Y. Flash lights, electric vapor and/or explosive proof extension lights, etc. 423,556; Sept. 3; Serial No. 491,962; published June 11, 1946. Class 21.

Bruié, Maurice R., Central Falls, R. I. Woven fabrics. 423,499; Sept. 3; Serial No. 488,738; published May 28, 1946. Class 42.

Buckingham & Hecht: *See*—
Evans Shoe Co., The.

Builders Iron Foundary, Providence, R. I. Fluid meters and instruments. 423,561; Sept. 3; Serial No. 492,177; published June 18, 1946. Class 26.

Callaway Mills, La Grange, Ga. Towels and mats. 423,549; Sept. 3; Serial No. 491,625; published May 28, 1946. Class 42.

Callite Tungsten Corporation, Union City, N. J. Electrical wire. 423,476; Sept. 3; Serial No. 486,287; published May 28, 1946. Class 21.

Camillus Cutlery Company: *See*—
Kastor, Adolph, & Bros.

Campbell Products Company, Chicago, Ill. Electrically operated lather producing machines. 423,525; Sept. 3; Serial No. 490,634; published June 18, 1946. Class 21.

Caricraft Pads, New York, N. Y. Shoulder pads. 423,536; Sept. 3; Serial No. 491,062; published May 28, 1946. Class 40.

Caricraft Pads, New York, N. Y. Shoulder pads. 423,537; Sept. 3; Serial No. 491,064; published May 28, 1946. Class 40.

Carson Pirie Scott & Co., Chicago, Ill., to Ely & Walker Dry Goods Company, St. Louis, Mo. Men's work shirts. 211,138; renewed Apr. 6, 1946. O. G. Sept. 3. Class 39.

Carson Pirie Scott & Company, Chicago, Ill. Hosiery. 217,649; renewed Sept. 7, 1946. O. G. Sept. 3. Class 39.

Carson Pirie Scott & Company, Chicago, Ill. Children's play suits. 217,650; renewed Sept. 7, 1946. O. G. Sept. 3. Class 39.

Central Wholesale Grocers, Inc., Worcester, Mass. Cooking and salad oils. 423,496; Sept. 3; Serial No. 488,571; published June 4, 1946. Class 46.

Champion Chemical Works, Inc., Chicago, Ill., to Champion Chemical Works, Incorporated, New York, N. Y. Lye. 218,117; renewed Sept. 21, 1946. O. G. Sept. 3. Class 6.

Champion Chemical Works, Incorporated: *See*—
Champion Chemical Works, Inc.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Copper-base tubes. 423,582; Sept. 3; Serial No. 493,041; published June 11, 1946. Class 13.

Chicago Tanning Company, Chicago, Ill. Leathers. 218,496; renewed Sept. 28, 1946. O. G. Sept. 3. Class 1.

Chicago Western Corporation, Chicago, Ill. Canned boned chicken and boned turkey. 423,609; Sept. 3; Serial No. 493,917; published June 4, 1946. Class 46.

Chrysler Corporation: *See*—
Chrylser Sales Corporation.

Chrysler Sales Corporation, to Chrysler Corporation, Detroit, Mich. Vehicle hub caps. 212,236; renewed Apr. 27, 1946. O. G. Sept. 3. Class 19.

Clark, John J., & Co., Pawtucket, R. I., to W. Warren Thread Works, Westfield, Mass. Spool-cotton. 52,100–2; re-renewed May 1, 1946. O. G. Sept. 3. Class 43.

Clark, Richard B., doing business as Sterling Bedding Company, San Francisco, Calif. Mattresses, divans, box springs, and studio couches. 423,629; Sept. 3; Serial No. 495,540; published June 11, 1946. Class 32.

Classy Products Co., New York, N. Y. Toy holster sets. 423,635; Sept. 3; Serial No. 497,530; published June 11, 1946. Class 22.

Clayton Manufacturing Company, The, Bristol, Conn. Scissors and shears. 423,550; Sept. 3; Serial No. 491,629; published May 21, 1946. Class 23.

Cohn & Rosenberger, Inc., to Coro, Inc., New York, N. Y. Hand bags. 214,172; renewed June 15, 1946. O. G. Sept. 3. Class 3.

Colby & McDermott, Los Angeles, Calif. Candy. 218,495; renewed Sept. 28, 1946. O. G. Sept. 3. Class 46.

Colgate & Company, to Colgate-Palmolive-Peet Company, Jersey City, N. J. Shampoo. 218,576; renewed Sept. 28, 1946. O. G. Sept. 3. Class 6.

Colgate-Palmolive-Peet Company: *See*—
Colgate & Company.

Colton Razor Blade Company: *See*—
Roth, Otto, Inc.

Columbia Bedding Co., Chicago, Ill. Mattresses and box springs. 423,655; Sept. 3. Class 32.

Columbia Machine Works, Inc., Brooklyn, N. Y. Machines for the separation of the elements and clarification of milk, etc. 423,436; Sept. 3; Serial No. 477,140; published June 18, 1946. Class 23.

Companhia Brasileira De Metais, Sao Paulo, Brazil. Slide fasteners of the zipper type. 423,592; Sept. 3; Serial No. 493,324; published June 18, 1946. Class 13.

Comptone Company, New York, N. Y. Sun glasses, eye glasses, spectacles, etc. 423,585; Sept. 3; Serial No. 493,165; published June 11, 1946. Class 26.

Comptone Company, New York, N. Y. Sun glasses, eye glasses, spectacles, etc. 423,586–7; Sept. 3; Serial Nos. 493,167–8; published June 11, 1946. Class 26.

Consolidated Biscuit Company, Chicago, Ill. Saltine crackers. 423,653; Sept. 3. Class 46.

Consolidated Biscuit Company, Chicago, Ill. Ham wafers. 423,654; Sept. 3. Class 46.

Consolidated Grocers Corporation: *See*—
Durand-McNeil-Horner Co.
Sprague, Warner & Company.

Cook & Cobb Company, The: *See*—
Cook and Cobb Company, The.

Cook and Cobb Company, The, Brooklyn, N. Y., to The Cook & Cobb Company, New York, N. Y. Expanding files of paper and/or fabric, letter and invoice files of paper and/or fabric, expanding envelopes, etc. 217,402; renewed Aug. 31, 1946. O. G. Sept. 3. Class 37.

Cooley, Roy E., doing business as Cooley Spray Equipment Works, Somers, Conn. Spray discs and spray whirls. 423,526; Sept. 3; Serial No. 490,746; published May 21, 1946. Class 23.

Cooley Spray Equipment Works: *See*—
Cooley, Roy E.

Coro, Inc.: *See*—
Cohn & Rosenberger, Inc.

Crockett, David B., Company, The, to The Bissell Varnish Company, Bridgeport, Conn. Varnishes. 51,222; re-renewed Apr. 10, 1946. O. G. Sept. 3. Class 16.

Crown Zellerbach Corporation, San Francisco, Calif. Tissue fruit wraps. 423,569; Sept. 3; Serial No. 492,546; published June 18, 1946. Class 37.

Dampney Company of America, The, Boston, Mass. Protective coatings. 216,030; renewed Aug. 3, 1946. O. G. Sept. 3. Class 16.

Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixtures. 423,557; Sept. 3; Serial No. 491,963; published June 11, 1946. Class 21.

Deere & Company, Moline, Ill. Tractors. 423,477; Sept. 3, 1946; Serial No. 486,296; published May 28, 1946. Class 23.

Deere & Company, Moline, Ill. Agricultural cultivators. 423,478; Sept. 3; Serial No. 486,297; published May 28, 1946. Class 23.

De Leon, Casa, St. Louis, Mo. Buttons. 423,668; Sept. 3. Class 40.

Dey Brothers & Company: *See*—
Allied Stores Corporation.

Di-Noc Company, The, Cleveland, Ohio. Photosensitive transfers. 423,448; Sept. 3; Serial No. 481,887; published June 18, 1946. Class 26.

Dinuba Canning Co., Inc., Dinuba, Calif. Canned tomato puree. 423,467; Sept. 3; Serial No. 485,332; published Oct. 23, 1945. Class 46.

Dodge, H. C., Incorporated, Boston, Mass. Lawn mowers, field mowing machines, grain harvesters, etc. 218,227; renewed Sept. 21, 1946. O. G. Sept. 3. Class 23.

Domestic Industries, Inc., Chicago, Ill. Gasoline engine powered lift trucks. 423,645; Sept. 3. Class 23.

Dorset Foods, Ltd., Long Island City, N. Y. Canned and bottled boned turkey; boned chicken; a la king products. 423,667; Sept. 3. Class 46.

Duplex Fabrics Corp., New York, N. Y. Textile fabrics in the piece. 423,666; Sept. 3. Class 42.

Durand-McNeil-Horner Co., to Consolidated Grocers Corporation, Chicago, Ill. Canned fruits, canned vegetables, canned fish, etc. 212,704; renewed May 11, 1946. O. G. Sept. 3. Class 46.

Durand-McNeil-Horner Co., to Consolidated Grocers Corporation, Chicago, Ill. Canned fruits, canned vegetables, canned fish, etc. 213,283; renewed May 25, 1946. O. G. Sept. 3. Class 46.

Durand-McNeil-Horner Co., to Consolidated Grocers Corporation, Chicago, Ill. Fresh grapefruit, marinated herring, Brussels sprouts, etc. 213,912; renewed June 8, 1946. O. G. Sept. 3. Class 46.

Dyna-Electric Manufacturing Company, New Haven, Conn. Domestic electric dishwashing machines. 423,500–1; Sept. 3; Serial Nos. 488,851–2; published June 11, 1946. Class 21.

Earhart, Amelia, Luggage: *See*—
Orenstein, Sam.

Edward, E. E., Ltd., New York, N. Y. Ash receivers, humidors for the conserving of cigars and cigarettes, cigar and cigarette cases and holders, etc. 423,509; Sept. 3; Serial No. 490,016; published June 11, 1946. Class 8.

Electrical Industries, Inc., Newark, N. J. Electrically heated food warmers and cookers, electrically heated bottle warmers, electrically heated vapor sterilizers, etc. 423,504; Sept. 3; Serial No. 489,454; published May 28, 1946. Class 21.

Ely & Walker Dry Goods Company: *See*—
Carson Pirie Scott & Co.

Evans Shoe Co., The, East Napa, Calif., to Buckingham & Hecht, San Francisco, Calif. Leather boots and shoes. 56,411; re-renewed Sept. 25, 1946. O. G. Sept. 3. Class 39.

F. L. G. Co. Inc., The, New York, N. Y. Slide fasteners. 423,588; Sept. 3; Serial No. 493,183; published June 18, 1946. Class 13.

Farmco, Incorporated, Jersey City, N. J., and New York, N. Y. Electric motors. 423,515; Sept. 3; Serial No. 490,108; published June 4, 1946. Class 21.

Farmco, Incorporated, Jersey City, N. J., and New York, N. Y. Electric cream separators. 423,516; Sept. 3; Serial No. 490,109; published June 4, 1946. Class 23.

Fashion Curtain Co., The, Memphis, Tenn. Ruffled curtains. 423,656; Sept. 3. Class 42.

Faultless Rubber Co., Akron, Ohio, to The Faultless Rubber Company, Ashland, Ohio. Rubber water-bottles, rubber fountain-syringe bags, rubber ice-caps, etc. 53,171; re-renewed May 29, 1946. O. G. Sept. 3. Class 44.

Faultless Rubber Company, The: *See*—
Faultless Rubber Co., The.

Federal Telephone and Radio Corporation, Newark, N. J. Radio tubes. 423,583–4; Sept. 3; Serial Nos. 493,112–13; published May 21, 1946. Class 21.

Feldstein, Zadek, Co., Inc., New York, N. Y. Toilet seat trainers and plastic toilet deflectors. 423,488; Sept. 3; Serial No. 487,832; published June 11, 1946. Class 18.

Fernandez, M., & Company, Tampa, Fla. Cigars. 423,505; Sept. 3; Serial No. 489,507; published June 11, 1946. Class 17.

Fijelen Research and Development Company, Washington, D. C. Apparatus for thinning seedling and other plants. 423,551; Sept. 3; Serial No. 491,637; published May 28, 1946. Class 23.

First Industrial Corporation, Freeport, Ill. Electric switches, electric switch housings, and overtravel actuators. 423,461; Sept. 3; Serial No. 484,738; published May 28, 1946. Class 21.

Fitzgibbons Boiler Company, Inc., New York, N. Y. Steam and hot-water boilers. 217,589; renewed Sept. 7, 1946. O. G. Sept. 3. Class 34.

Fluorescent Fixtures, Inc., Milwaukee, Wis., now by change of name Kahn Manufacturing Co., Inc. Electric fluorescent lamp lighting fixtures. 423,494; Sept. 3; Serial No. 488,459; published May 21, 1946. Class 21.

Flush Wall Radio Company: *See*—
Schenck, Le Roy.

Fondeville, A. J., & Co.: *See*—
Fondeville, Eugene L.

Fondeville & Co., Inc.: *See*—
Fondeville, Eugene L.

Fondeville, Eugene L., doing business as A. J. Fondeville & Co., to Fondeville & Co., Inc., New York, N. Y. Porcelain ware. 218,055; renewed Sept. 21, 1946. O. G. Sept. 3. Class 30.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 423,502; Sept. 3; Serial No. 488,894; published May 28, 1946. Class 42.

Fruehauf Trailer Company, Detroit, Mich. Trailers. 218,043; renewed Sept. 21, 1946. O. G. Sept. 3. Class 19.

Fubar, Inc., Chicago, Ill. Candy. 423,602; Sept. 3; Serial No. 493,596; published June 4, 1946. Class 46.
Galvin Electric Manufacturing Company, to Knapp-Monarch Company, St. Louis, Mo. Electric fans. 215,265; renewed July 13, 1946. O. G. Sept. 3. Class 21.
Gamble Stores, Incorporated, Minneapolis, Minn. Wet storage batteries. 423,617; Sept. 3; Serial No. 494,269; published June 11, 1946. Class 21.
General Aniline & Film Corporation, New York, N. Y. Photographic mounts and albums. 423,486; Sept. 3; Serial No. 487,675; published June 11, 1946. Class 37.
General Fireproofing Company, The, Youngstown, Ohio. Metal filing cabinets. 216,941; renewed Aug. 24, 1946. O. G. Sept. 3. Class 32.
General Fireproofing Company, The, Youngstown, Ohio. Desk tops for office desks and the like. 218,135; renewed Sept. 21, 1946. O. G. Sept. 3. Class 32.
General Shoe Corporation: *See*—
Orr, J. K., Shoe Company.
Globe Roofing Products Co., Inc., Whiting, Ind. Asphalt shingles. 423,553; Sept. 3; Serial No. 491,712; published June 18, 1946. Class 12.
Goetz, M. K. Brewing Company, St. Joseph, Mo. Malt extracts. 52,758; re-renewed May 15, 1946. O. G. Sept. 3. Class 16.
Gold Seal Importers, Inc., New York, N. Y. Ladies' handbags and purses. 423,636; Sept. 3; Serial No. 497,540; published June 11, 1946. Class 3.
Goldsmith Brothers Manufacturing Co. Inc., New York, N. Y. Ladies' handbags. 423,632; Sept. 3; Serial No. 496,136; published June 11, 1946. Class 3.
Goodall-Sanford-Inc.: *See*—
Goodall Worsted Co.
Goodall Worsted Co., to Goodall-Sanford-Inc., Sanford, Maine. Certain piece goods. 218,483; renewed Sept. 28, 1946. O. G. Sept. 3. Class 42.
Goodrich, B. F., Company, The, doing business as Hood Rubber Company, New York, N. Y., and Watertown, Mass. Airplane parts. 423,613; Sept. 3; Serial No. 494,059; published June 11, 1946. Class 19.
Gordon, Claud S., Company, Chicago, Ill. Pyrometers. 423,567; Sept. 3; Serial No. 492,493; published June 11, 1946. Class 26.
Gosselin, Gideon F., & Sons, St. Paul, Minn. Moccasins. 217,479; renewed Aug. 31, 1946. O. G. Sept. 3. Class 39.
Gothic Jarproof Watch Corp.: *See*—
Gothic Watch Co. Inc.
Gothic Watch Co. Inc., to Gothic Jarproof Watch Corp., New York, N. Y. Watches. 217,855; renewed Sept. 14, 1946. O. G. Sept. 3. Class 27.
Gray Company, Inc., Minneapolis, Minn. Automatic mechanical water-unloading valves. 423,547; Sept. 3; Serial No. 491,566; published May 21, 1946. Class 23.
Gray-Mills Co., Evanston, Ill. Machine for use in washing grease from metal parts. 423,474; Sept. 3; Serial No. 486,250; published May 28, 1946. Class 23.
Greenebaum, J., Tanning Co.: *See*—
Alpena Leather Corporation.
Griggs, Cooper & Company to Griggs, Cooper & Company, St. Paul, Minn. Toothpicks. 218,187; renewed Sept. 21, 1946. O. G. Sept. 3. Class 44.
Guild, L. W., Company, Inc., Boston, Mass. Piece goods of wool or of wool and cotton mixtures. 423,669; Sept. 3. Class 42.
H. & W. Chemicals, Inc.: *See*—
Lustre Chemical Corporation.
Habitant Shops, Inc., Bay City, Mich. Trestle tables, card tables, corner tables, etc. 423,663–4; Sept. 3. Class 32.
Hadley, Charles R., Company, Los Angeles, Calif. Partially printed punched cards. 423,462; Sept. 3; Serial No. 484,741; published June 18, 1946. Class 37.
Hale-Halsell Co., McAlester, Okla. Canned white corn. 423,520; Sept. 3; Serial No. 490,431; published June 4, 1946. Class 46.
Hanan & Son, Brooklyn, N. Y., to Hanan & Son, Inc., New York, N. Y. Leather and cloth boots, slippers, and shoes. 53,143; re-renewed May 29, 1946. O. G. Sept. 3. Class 39.
Hanan & Son, Inc.: *See*—
Hanan & Son.
Hanchett Manufacturing Co., Big Rapids, Mich. Electromagnets. 423,458; Sept. 3; Serial No. 484,128; published May 28, 1946. Class 21.
Harris, P. E., & Co., Seattle, Wash. Canned fruits and vegetables and canned fish. 218,465; renewed Sept. 28, 1946. O. G. Sept. 3. Class 46.
Harrison, Sarah A., Omaha, Nebr., assignor to J. L. Younghusband, Chicago, Ill. Belts. 423,490; Sept. 3; Serial No. 488,219; published June 18, 1946. Class 44.
Helldiver Company, Chicago, Ill. Devices for releasing snagged fishing lures or baits. 423,638; Sept. 3; Serial No. 497,605; published June 11, 1946. Class 22.
Hellermann Electric Limited, Oxford, England. Synthetic rubber sleeves for electric insulating purposes. 423,441; Sept. 3; Serial No. 478,954; published June 11, 1946. Class 21.
Herb Medicine Co., The, Springfield, Ohio. Liquid medicine to alleviate pain. 218,386; renewed Sept. 28, 1946. O. G. Sept. 3. Class 6.
Hickey-Freeman Company: *See*—
Strauss, L., & Co.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 218,381; renewed Sept. 28, 1946. O. G. Sept. 3. Class 36.
Hood Rubber Company: *See*—
Goodrich, B. F., Company, The.
Hosid, Beatrice, doing business as Waterqueen Co., Syracuse, N. Y. Water softeners and filters of the chemical container type. 423,531; Sept. 3; Serial No. 490,948; published June 18, 1946. Class 13.
Hotchkiss, E. H., Company, The, Norwalk, Conn. Strips of united staples. 53,216; re-renewed May 29, 1946. O. G. Sept. 3. Class 37.
Huntington Laboratories, Inc., Huntington, Ind. Soap. 216,427; renewed Aug. 10, 1946. O. G. Sept. 3. Class 4.
Huntley & Palmers, Limited: *See*—
Huntley & Palmers, Ltd.
Huntley & Palmers, Ltd., Reading, England, to Huntley & Palmers, Limited, Reading and London, England. Biscuits and cakes. 51,444; re-renewed Apr. 17, 1946. O. G. Sept. 3. Class 46.
Huntley & Palmers, Ltd., Reading, England, to Huntley & Palmers, Limited, Reading and London, England. Biscuits and cakes. 51,766–7; re-renewed Apr. 24, 1946. O. G. Sept. 3. Class 46.
Induction Heating Corporation, New York, N. Y. High frequency induction heating equipment and parts therefor. 423,481; Sept. 3; Serial No. 487,133; published June 11, 1946. Class 21.
Industrial Maintenance Company: *See*—
Piccolo, Frank R.
Infra Insulation, Inc., New York, N. Y. Cellular thermal insulating fabric. 423,625; Sept. 3; Serial No. 494,608; published June 18, 1946. Class 12.
J. B. Engineering Sales Company, New Haven, Conn. Stock handling machinery. 423,440; Sept. 3; Serial No. 478,456; published May 21, 1946. Class 23.
Joseph, David J., Company, The, Loveland, Ohio. Frozen poultry. 423,623; Sept. 3; Serial No. 494,450; published June 4, 1946. Class 46.
K & B Manufacturing Co., Fairmont, Okla. Earthworking machines. 423,527; Sept. 3; Serial No. 490,833; published June 18, 1946. Class 23.
Kahn Manufacturing Co., Inc.: *See*—
Fluorescent Fixtures, Inc.
Kalamazoo Aero-Motive Manufacturing Company: *See*—
Becker, Rodger F.
Kamen Products Co., Inc., New York and Brooklyn, N. Y. Canvas products. 423,428; Sept. 3; Serial No. 466,916; published June 11, 1946. Class 2.
Kangaroo, Columbus, Ohio. Cabinet shelves. 423,652; Sept. 3. Class 32.
Karg Brothers, Inc., Johnstown, N. Y. Leather. 423,564; Sept. 3; Serial No. 492,443; published June 11, 1946. Class 1.
Kargere, Audrey, New York, N. Y. Dolls. 423,521; Sept. 3; Serial No. 490,538; published June 18, 1946. Class 22.
Kastor, Adolph, & Bros., New York, N. Y., to Camillus Cutlery Company, Camillus and New York, N. Y. Razors, pocket-knives, butcher-knives, etc. 54,356; re-renewed June 26, 1946. O. G. Sept. 3. Class 23.
Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 423,579–80; Sept. 3; Serial Nos. 493,010–11; published May 21, 1946. Class 21.
Kirkegaard, R. L., Mfg. Co.: *See*—
Kirkegaard, Raymond L.
Kirkegaard, Raymond L., doing business as R. L. Kirkegaard Mfg. Co., Denver, Colo. Kits of miniature building materials. 423,660; Sept. 3. Class 22.
Kirkpatrick, Wendell V., Bonita, Calif. Shorthand writing machines. 423,532; Sept. 3; Serial No. 490,951; published May 28, 1946. Class 23.
Klein, Harry, New York, N. Y. Building material. 423,599; Sept. 3; Serial No. 493,494; published June 11, 1946. Class 12.
Knapp-Monarch Company: *See*—
Galvin Electric Manufacturing Company.
Knee, Simon E.: *See*—
Aristocrat Leather Products, Inc.
Kops Bros., to Kops Bros., Inc., New York, N. Y. Corsets, corset-waists, and corset-steels. 50,936; re-renewed Apr. 3, 1946. O. G. Sept. 3. Classes 39 and 40.
Kops Bros., Inc.: *See*—
Kops Bros.
Kroger Co., The.: *See*—
Kroger Grocery & Baking Co.
Kroger Grocery & Baking Co., to The Kroger Co., Cincinnati, Ohio. Leaf lard and meats. 211,820; renewed Apr. 20, 1946. O. G. Sept. 3. Class 46.
La Fave, Clarence A., Gladstone, Mich. Bottle boxes or beer cases. 423,641; Sept. 3; Serial No. 498,528; published June 18, 1946. Class 2.
Landis Machine Company, Waynesboro, Pa. Die heads. 217,005; renewed Aug. 24, 1946. O. G. Sept. 3. Class 23.
Lane Tobacco, Ltd., New York, N. Y. Pipes. 423,528; Sept. 3; Serial No. 490,890; published June 11, 1946. Class 8.
Larus & Brother Company, Incorporated, Richmond, Va. Plug tobacco and cigarettes. 217,038; renewed Aug. 24, 1946. O. G. Sept. 3. Class 17.

Leigh Chemist, Inc., New York, N. Y., to Shulton, Inc., Hoboken, N. J., and New York, N. Y. Certain named toilet preparations. 217,084; renewed Aug. 24, 1946. O. G. Sept. 3. Class 6.
Lever Brothers Company, Cambridge, Mass. Talcum powder, face powder, cold cream, etc. 215,524; renewed July 20, 1946. O. G. Sept. 3. Class 6.
Levinsohn Bros. & Co., Inc., New York, N. Y. Men's and boys' coats, trousers, vests and overcoats. 218,052; renewed Sept. 21, 1946. O. G. Sept. 3. Class 39.
Lewis, Charlotte: *See*—
Lewis, Rachel.
Lewis, Rachel, to Charlotte Lewis, Buffalo, N. Y. Hair grower. 215,082; renewed July 13, 1946. O. G. Sept. 3. Class 6.
Lightfoot Schultz Co., New York, N. Y., and Hoboken, N. J. Razor blades. 423,517; Sept. 3; Serial No. 490,126; published June 4, 1946. Class 23.
Lincoln Electric Company, The, Cleveland, Ohio. Jaws for electrode holders and contact members. 423,446; Sept. 3; Serial No. 481,073; published June 4, 1946. Class 21.
Lincoln Engineering Company, St. Louis, Mo. Unitary portable automotive servicing apparatus. 423,437; Sept. 3; Serial No. 477,937; published June 18, 1946. Class 23.
Locke Stove Company, Kansas City, Mo. Water heaters using solid fuels. 423,642; Sept. 3. Class 34.
Lockheed Aircraft Corporation, Burbank, Calif. Airplanes and structural parts therefor. 423,614–16; Sept. 3; Serial Nos. 494,160–2; published June 11, 1946. Class 19.
Lustre Chemical Corporation, to H. & W. Chemicals, Inc., Rochester, N. Y. Cleaning preparations. 214,214; renewed June 15, 1946. O. G. Sept. 3. Class 4.
Lyons, Leo, doing business as Lyons Products Co., Los Angeles, Calif. Automobile tail pipe extension. 423,459; Sept. 3; Serial No. 484,692; published June 11, 1946. Class 23.
Lyons Products Co.: *See*—
Lyons, Leo.
Mackmann, A., Tool & Engineering Company: *See*—
Mackmann, Arthur.
Mackmann, Arthur, doing business as A. Mackmann Tool & Engineering Company, Chicago, Ill. Machine tool cutters. 423,456; Sept. 3; Serial No. 483,828; published Nov. 27, 1945. Class 23.
Macy, R. H., & Co., Inc., New York, N. Y. Golf balls. 216,779; renewed Aug. 17, 1946. O. G. Sept. 3, Class 22.
Marine Products Company, San Diego, Calif. Canned pimientos. 423,538; Sept. 3; Serial No. 491,106; published June 4, 1946. Class 46.
Marlow Pumps, Wortendyke, N. J. Pumps. 423,442; Sept. 3; Serial No. 479,081; published June 11, 1946. Class 23.
Marshall, C. & E., Company, Chicago, Ill. Watch crystals. 218,262; renewed Sept. 21, 1946. O. G. Sept. 3. Class 33.
Mason Box Company, The, North Attleboro, Mass., to The Mason Box Company, Attleboro Falls, Mass. Boxes of paper, paper board, boxboard, etc. 218,470; renewed Sept. 28, 1946. O. G. Sept. 3. Class 2.
Mattimore, James F., doing business as Montrose Products and Montrose Products Co., Worcester, Mass. Electrically insulated wire and tubing and for thermo-plastic applied concentrically on wires for electrical insulation. 423,539; Sept. 3; Serial No. 491,166; published June 18, 1946. Class 21.
May, Hester, Honolulu, Territory of Hawaii. Fruit cake, nut loaf, soyflour wafers, etc. 423,650; Sept. 3. Class 46.
McClung, C. M., & Co., Inc., Knoxville, Tenn. Smooth-surface asphalt ready roofing. 215,961; renewed Aug. 3, 1946. O. G. Sept. 3. Class 12.
McDuff, A. J., Company: *See*—
McDuff, Amos J.
McDuff, Amos J., doing business as A. J. McDuff Company, Boston, Mass. Cutting oils and grinding compounds. 423,618; Sept. 3; Serial No. 494,275; published June 4, 1946. Class 15.
Mercury Battery Charger Co., The, Kansas City, Mo. Combination battery charging and testing apparatus. 423,644; Sept. 3. Class 21.
Metallin Products Company, Jamaica, N. Y. Plastic burial vaults and plastic burial urns. 423,460; Sept. 3; Serial No. 484,694; published June 18, 1946. Class 2.
Metropolitan Radio Electronics Corp., New York, N. Y. Radio receiving sets. 423,529; Sept. 3; Serial No. 490,898; published June 11, 1946. Class 21.
Miller, John H., Baltimore, Md. Cork screws. 423,451; Sept. 3; Serial No. 482,539; published June 11, 1946. Class 23.
Montrose Products and Montrose Products Co.: *See*—
Mattimore, James F.
Moore, John H., Inc., New York, N. Y. Pipes. 423,555; Sept. 3; Serial No. 491,927; published June 11, 1946. Class 8.
Motloid Co., Inc., The, Chicago, Ill. Acrylic denture base. 423,633; Sept. 3; Serial No. 496,260; published June 11, 1946. Class 44.

Mueller Specialties, Inc., Philadelphia, Pa. Billfolds, card and license cases, secretary cases, etc. 423,503; Sept. 3; Serial No. 489,430; published June 11, 1946. Class 3.
Mukamal Company, New York, N. Y. Razor blades. 423,559; Sept. 3; Serial No. 492,078; published May 28, 1946. Class 23.
Mulford, H. K., Company, Philadelphia, Pa. Antiseptic for local and internal use. 51,646; re-renewed Apr. 17, 1946. O. G. Sept. 3. Class 6.
Mulford, H. K., Company, to Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicinal preparation in suppository or ointment form. 51,649; re-renewed Apr. 17, 1946. O. G. Sept. 3. Class 6.
Muller, Conrad D., doing business as Quincy Electronics Company, Quincy, Mich. Electric irons. 423,575; Sept. 3; Serial No. 492,940; published May 21, 1946. Class 21.
National Lead Company, Sayreville, N. J., and New York, N. Y. Cellulose fiber mixtures. 423,491; Sept. 3; Serial No. 488,249; published June 11, 1946. Class 1.
Nemanick, R. A., Watsonville, Calif. Fresh deciduous fruits and vegetables. 423,581; Sept. 3; Serial No. 493,018; published June 4, 1946. Class 46.
Nineteen Hundred Corporation, St. Joseph, Mich. Domestic laundry appliances. 423,611; Sept. 3; Serial No. 493,977; published June 18, 1946. Class 24.
Norris, Al, Company, North Hollywood, Calif. Apparatus for synchronizing the flash bulb equipment of photographic cameras. 423,545; Sept. 3; Serial No. 491,499; published June 11, 1946. Class 26.
Oakite Products, Inc., New York, N. Y. Metal plates. 423,464; Sept. 3; Serial No. 484,968; published June 4, 1946. Class 21.
Oakite Products, Inc., New York, N. Y. Industrial cleaning equipment. 423,465; Sept. 3; Serial No. 484,969; published June 4, 1946. Class 23.
Oakite Products, Inc., New York, N. Y. Electrically operated apparatus. 423,466; Sept. 3; Serial No. 485,094; published June 4, 1946. Class 26.
Oakland Canning Company, Oakland, Calif. Canned tomato paste, canned fruits and canned tomato puree. 423,608; Sept. 3; Serial No. 493,815; published June 4, 1946. Class 46.
Optical Products Company, New York, N. Y. Eyeglasses and eyeglass mountings or frames, etc. 423,593–4; Sept. 3; Serial Nos. 493,387–8; published June 18, 1946. Class 26.
Orenstein, Sam, doing business as Amelia Earhart Luggage, Newark, N. J. Luggage. 423,661; Sept. 3. Class 3.
Orr, J. K., Shoe Company, Atlanta, Ga., to General Shoe Corporation, Nashville, Tenn. Shoes. 213,425; renewed May 25, 1946. O. G. Sept. 3. Class 39.
Oster Manufacturing Company, The: *See*—
Williams Tool Corporation.
Pan-American Candy Co., Ashley, Ill. Candy. 423,443; Sept. 3; Serial No. 479,140; published Apr. 17, 1945. Class 46.
Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils and greases. 423,510; Sept. 3; Serial No. 490,032; published Mar. 19, 1946. Class 15.
Paramount Laboratories, Inc., Binghamton, N. Y. Food-flavoring extracts, essences, and compounds. 215,796; renewed July 27, 1946. O. G. Sept. 3. Class 46.
Patterson-Sargent Company, The, Cleveland, Ohio. Mixed paints. 54,521; re-renewed June 26, 1946. O. G. Sept. 3. Class 16.
Pepe, F., Macaroni Co. Inc., The, Waterbury, Conn. Alimentary pastes. 218,570; renewed Sept. 28, 1946. O. G. Sept. 3. Class 46.
Pepe, F., Macaroni Co. Inc., The, Waterbury, Conn. Alimentary pastes. 218,587; renewed Sept. 28, 1946. O. G. Sept. 3. Class 46.
Personal Stationery Co.: *See*—
Williams, Thomas J.
Piccolo, Frank R., doing business as Industrial Maintenance Company, Bridgeport, Conn. Collapsible strollers. 423,631; Sept. 3; Serial No. 495,622; published June 18, 1946. Class 19.
Pierce, F. O., Company, New York, to F. O. Pierce Company, Long Island City, N. Y. Liquid putty or glazing preparation. 51,763; re-renewed Apr. 24, 1946. O. G. Sept. 3. Class 16.
Pierre, Dr., Chemical Company: *See*—
Pierre, Dr., Chemical Co.
Pierre, Dr., Chemical Company, to Dr. Pierre Chemical Company, Chicago, Ill. Suppositories. 51,636; re-renewed Apr. 17, 1946. O. G. Sept. 3. Class 6.
Pierre, Dr., Chemical Co., to Dr. Pierre Chemical Company, Chicago, Ill. Suppositories. 213,899; renewed June 8, 1946. O. G. Sept. 3. Class 6.
Pierre, Dr., Chemical Co., to Dr. Pierre Chemical Company, Chicago, Ill. Suppositories. 214,014; renewed June 8, 1946. O. G. Sept. 3. Class 6.
Pioneer Musical Instrument Co., Oak Park, Ill. Miniature clarinet instruments. 423,482; Sept. 3; Serial No. 487,205; published June 4, 1946. Class 36.
Plastic Wire & Cable Corporation, The, Norwich, Conn. Sheathed electric wire. 423,533; Sept. 3; Serial No. 490,967; published June 18, 1946. Class 21.

Polaroid Corporation, Cambridge, Mass. Photographic processing tanks, squeegees, and printing rolls. 423,546; Sept. 3; Serial No. 491,507; published June 18, 1946. Class 26.

Pollak, Henry, Inc., New York, N. Y. Millinery braids. 423,552; Sept. 3; Serial No. 491,675; published May 28, 1946. Class 40.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Molded plastic electrical parts. 423,473; Sept. 3; Serial No. 486,117; published June 18, 1946. Class 21.

Pyramid Leather Goods Co., Inc., New York, N. Y. Ladies', misses', and children's handbags. 423,637; Sept. 3; Serial No. 497,567; published June 11, 1946. Class 3.

Quackenbush Company: *See*—
Allied Stores Corporation.

Quaker City Chocolate and Confectionery Company, Philadelphia, Pa. Hard and soft candy. 54,946; re-renewed Aug. 7, 1946. O. G. Sept. 3. Class 46.

Querencia Orchard, Cupertino, Calif. Candies and candied fruits. 423,475; Sept. 3; Serial No. 486,273; published June 4, 1946. Class 46.

Quincy Electronics Company: *See*—
Muller, Conrad D.

RKO Television Corporation, Dover, Del., and New York, N. Y. Motion picture films. 423,432; Sept. 3; Serial No. 473,396; published June 11, 1946. Class 26.

Rayon Processing Co. of R. I. Inc., The, Central Falls, R. I. Macerated cotton fabric. 423,571; Sept. 3; Serial No. 492,657; published June 11, 1946. Class 1.

Rayon Processing Co. of R. I. Inc., The, Central Falls, R. I. Finely cut or comminuted cotton fibres. 423,572; Sept. 3; Serial No. 492,659; published June 11, 1946. Class 1.

Red Jacket Coal Sales Company, Columbus, Ohio. Coal. 423,431; Sept. 3; Serial No. 469,784; published Nov. 14, 1944. Class 1.

Redmer, Norman W., doing business as United Precision Products Co., Chicago, Ill. Gauging members. 423,468; Sept. 3; Serial No. 485,601; published June 18, 1946. Class 26.

Redmond, A. G., Co., Owosso, Mich., assignor to Redmond Company, Inc. Electrical motors, dynamotors, speed controllers. 423,433; Sept. 3; Serial No. 474,178; published May 28, 1946. Class 21.

Redmond Company, Inc.: *See*—
Redmond, A. G., Co.

Rees, Alfred A., West Haven, Conn. Game devices. 423,435; Sept. 3; Serial No. 476,927; published June 11, 1946. Class 22.

Regent Canfood Co.: *See*—
Safeway Stores, Incorporated.

Remington Arms Company, Inc., Bridgeport, Conn., Ilion and New York, N. Y., to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 216,743; renewed Aug. 17, 1946. O. G. Sept. 3. Class 9.

Richman, J., & Co., New York, N. Y. Piece goods. 423,487; Sept. 3; Serial No. 487,803; published June 4, 1946. Class 42.

Richmond-Phillips, New York, N. Y. Sachets in the form of pompoms, balls, tassels, etc. 423,647; Sept. 3. Class 40.

Ring Grip Corporation, Stamford, Conn. Wrist watch straps. 423,560; Sept. 3; Serial No. 492,094; published May 28, 1946. Class 40.

Robinson Manufacturing Co., Waterbury, Conn. Filing machines. 423,672; Sept. 3. Class 23.

Root Manufacturing Co., Baxter Springs, Kans. Lawn mowers. 423,621; Sept. 3; Serial No. 494,363; published June 11, 1946. Class 23.

Rose, L., & Co. Limited, London, England, to L. Rose & Co., Limited, St. Albans, England. Glass bottles. 31,682; re-renewed Apr. 24, 1946. O. G. Sept. 3. Class 33.

Roth, Otto, Inc., Newark, N. J., to Colton Razor Blade Company, Boston, Mass. Razor blades. 214,850; renewed July 6, 1946. O. G. Sept. 3. Class 23.

Rumford Chemical Works, Rumford, R. I. Baking powder. 423,627; Sept. 3; Serial No. 494,706; published June 4, 1946. Class 46.

Rush, Fred W., doing business as Fred W. Rush Co., Los Angeles, Calif. Fresh vegetables. 423,427; Sept. 3; Serial No. 465,929; published Jan. 22, 1946. Class 46.

Rush, Fred W., Co.: *See*—
Rush, Fred W.

S & H Co.: *See*—
Selmer, Alois.

Safety Car Heating and Lighting Company, Inc., The, New York, N. Y. Material treating machines. 423,434; Sept. 3; Serial No. 476,818; published May 28, 1946. Class 23.

Safeway Stores, Incorporated, doing business as Regent Canfood Co., Baltimore, Md. Canned blended grapefruit and orange juice. 423,658; Sept. 3. Class 46.

Scampavia Bros., Watsonville, Calif. Fresh apples. 218,113; renewed Sept. 21, 1946. O. G. Sept. 3. Class 46.

Schenck, Le Roy, doing business as Flush Wall Radio Company, Newark, N. J. Radio receiving sets. 423,670; Sept. 3. Class 21.

Seaman Paper Company, Chicago, Ill. Printing paper. 215,641; renewed July 20, 1946. O. G. Sept. 3. Class 37.

Selmer, Alois, doing business as S & H Co., Bronx, N. Y. Snuff. 423,542; Sept. 3; Serial No. 491,369; published June 18, 1946. Class 17.

Servel, Inc.: *See*—
Aktiebolaget Elektrolux.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Tank bulbs. 217,334; renewed Aug. 31, 1946. O. G. Sept. 3. Class 13.

Sharp & Dohme, Incorporated: *See*—
Mulford, H. K., Company.

Shulton, Inc.: *See*—
Leigh Chemist, Inc.

Siegel, A. L., Co., Inc., New York, N. Y. Curtain sets made of plastic film. 423,470; Sept. 3; Serial No. 485,659; published June 18, 1946. Class 13.

Sky Hobby, Incorporated, Kansas City, Mo. Toy airplanes, boats, trains, and jeeps. 423,639; Sept. 3; Serial No. 497,632; published June 11, 1946. Class 22.

Smith, Carolyn S., New York, N. Y. Water for drinking purposes. 211,802; renewed Apr. 20, 1946. O. G. Sept. 3. Class 45.

Snafu, Inc., Chicago, Ill. Candy. 423,603; Sept. 3; Serial No. 493,627; published June 4, 1946. Class 46.

Southern Dairies, Inc., Washington, D. C. Fresh milk, cream, buttermilk, etc. 423,445; Sept. 3; Serial No. 479,998; published June 4, 1946. Class 46.

Southern Rice Sales Company, Inc., New York, N. Y. Clean milled rice. 423,450; Sept. 3; Serial No. 482,445; published July 17, 1945. Class 46.

Spier, Hortense, Inc., New York, N. Y. Cakes. 423,657; Sept. 3. Class 46.

Sporlan Valve Company, Maplewood, Mo. Refrigeration controls. 423,439; Sept. 3; Serial No. 478,296; published June 18, 1946. Class 31.

Sprague, Warner & Company, to Consolidated Grocers Corporation, Chicago, Ill. Ginger-ale, root-beer, lemon soda, etc. 55,882; re-renewed Aug. 21, 1946. O. G. Sept. 3. Class 45.

Standard Varnish Works, New York, N. Y., to Standard Varnish Works, Staten Island, N. Y. Ready-mixed paints. 212,289; renewed Apr. 27, 1946. O. G. Sept. 3. Class 16.

Stangard-Dickerson Corporation, Newark, N. J. Ice cream cabinets, storage refrigerator cabinets, farm freezers, etc. 423,534; Sept. 3; Serial No. 491,034; published June 11, 1946. Class 31.

Stangard-Dickerson Corporation, Newark, N. J. Ice cream cabinets, storage refrigerator cabinets, farm freezers, etc. 423,535; Sept. 3; Serial No. 491, 035; published June 18, 1946. Class 31.

Stangard-Dickerson Corporation, Newark, N. J. Ice cream cabinets, storage refrigerator cabinets, farm freezers, etc. 423,540; Sept. 3; Serial No. 491,197; published June 4, 1946. Class 31.

Steinam, A., Company, Inc., New York, N. Y. Piece goods of wool, wool and cotton, and wool and rayon. 423,469; Sept. 3; Serial No. 485,614; published May 28, 1946. Class 42.

Stephenson Mfg. Co., Albany, N. Y. Belt-dressing. 51,251; re-renewed Apr. 10, 1946. O. G. Sept. 3. Class 4.

Sterling Bedding Company: *See*—
Clark, Richard B.

Strauss, L., & Co., Indianapolis, Ind., to Hickey-Freeman Company, Rochester, N. Y. Men's overcoats and men's suits. 218,567; renewed Sept. 28, 1946. O. G. Sept. 3. Class 39.

Sullivan, James E. P., Dayton, Ohio. Drawing paper. 423,492; Sept. 3; Serial No. 488,384; published June 11, 1946. Class 37.

Superior Smelting Corporation, Flushing, Long Island, N. Y. Flints. 423,595; Sept. 3; Serial No. 493,408; published June 18, 1946. Class 34.

Super Six Mfg., Inc., Minneapolis, Minn. Front end loaders for tractors powered by the tractor itself. 423,518; Sept. 3; Serial No. 490,267; published June 11, 1946. Class 23.

Sweets Company of America, Inc., The: *See*—
Sweets Company of America, Incorporated.

Sweets Company of America, Incorporated, The, doing business as The Sweets Company of America, Inc., Hudson, N. J. Candy. 423,480; Sept. 3; Serial No. 487,013; published Jan. 1, 1946. Class 46.

Tailby-Nason Co., Boston, to Tailby-Nason Company, Cambridge, Mass. Cod-liver oil and emulsions thereof. 211,158; renewed Apr. 6, 1946. O. G. Sept. 3. Class 6.

Tailby-Nason Company: *See*—
Tailby-Nason Co.

Tanenbaum, Jacob, New York, N. Y. Hairbrush. 423,662; Sept. 3. Class 29.

Tarfu, Inc., Chicago, Ill. Candy. 423,604; Sept. 3; Serial No. 493,633; published June 4, 1946. Class 46.

Television Associates, Inc., Chicago, Ill. Kaleidoscopic discs. 423,447; Sept. 3; Serial No. 481,501; published June 18, 1946. Class 26.

Tennessee Valley Associates, Nashville, Tenn. Electric appliances. 423,648; Sept. 3. Class 21.

Thermoid Company, Trenton, N. J. Wire braid hydraulic control and industrial grease hose and rotary hose. 423,489; Sept. 3; Serial No. 487,877; published Nov. 13, 1945. Class 35.

Tillotson Rubber Co., Inc., Needham Heights, Mass. Rubber toys. 423,426; Sept. 3; Serial No. 431,096; published July 2, 1940. Class 22.

Tone Products Corporation of America, New York, N. Y. Electric record players with radio amplifier. 423,522; Sept. 3; Serial No. 490,554; published June 18, 1946. Class 21.

Trico Products Corporation, Buffalo, N. Y. Fluid operated vehicle window operators. 423,471; Sept. 3; Serial No. 485,894; published June 18, 1946. Class 19.

Tripler, F. R., & Co., Inc., New York, N. Y. Felt hats for men and young men. 218,134; renewed Sept. 21, 1946. O. G. Sept. 3. Class 39.

Tudor Industries Corp., New York, N. Y. Automobile jacks. 423,523; Sept. 3; Serial No. 490,558; published June 4, 1946. Class 23.

U. S. Luggage & Leather Products Co., New York, N. Y. Travelling cases, trunks, brief cases, etc. 423,634; Sept. 3; Serial No. 497,353; published June 18, 1946. Class 3.

Uhlemann Optical Co. of Illinois, Chicago, Ill. Ophthalmic mountings. 423,624; Sept. 3; Serial No. 494,526; published June 11, 1946. Class 26.

United Precision Products Co.: *See*—
Redmer, Norman W.

United States News Publishing Corporation, Washington, D. C. Section of periodical publications. 423,565; Sept. 3; Serial No. 492,476; published May 7, 1946. Class 38.

United States Quarry Tile Company, North Canton and East Sparta, Ohio, and Parkersburg, W. Va. Textile thread guides, grinding balls and wearing plates, etc. 423,483; Sept. 3; Serial No. 487,227; published June 11, 1946. Class 23.

United States Quarry Tile Company, North Canton and East Sparta, Ohio, and Parkersburg, W. Va. Wire and bar drawing dies, fluid orifice plugs and fluid spray jets, etc. 423,506; Sept. 3; Serial No. 489,547; published June 11, 1946. Class 23.

United States Stoneware Co., The, Akron, Ohio. Synthetic, initially plastic, setting material. 423,511; Sept. 3; Serial No. 490,044; published June 18, 1946. Class 1.

United States Television Manufacturing Corporation, New York, N. Y. Electrical power transformers. 423,519; Sept. 3; Serial No. 490,271; published June 11, 1946. Class 21.

Universal Ribbon Company, New York, N. Y. Wrapping paper. 423,541; Sept. 3; Serial No. 491,294; published June 11, 1946. Class 37.

V-Lectrical Engineering Co., Los Angeles, Calif. Radio receiving sets and parts thereof. 423,524; Sept. 3; Serial No. 490,560; published June 11, 1946. Class 21.

Valentine & Company, to Valentine & Company, Inc., New York, N. Y. Mixed paints, varnishes, enamels, etc. 56,427; re-renewed Sept. 25, 1946. O. G. Sept. 3. Class 16.

Valentine & Company, Inc.: *See*—
Valentine & Company.

Valmor Health Products Co., to Valmor Products Co., Chicago, Ill. Face powder, talcum powder, rouge, etc. 218,299; renewed Sept. 21, 1946. O. G. Sept. 3. Class 6.

Valmor Products Co.: *See*—
Valmor Health Products Co.

Van Camp Sea Food Co., Fish Harbor, East San Pedro, to Van Camp Sea Food Co. Inc., Terminal Island, Calif. Canned, smoked and kippered fish. 212,442; renewed May 4, 1946. O. G. Sept. 3. Class 46.

Van Camp Sea Food Co., Inc.: *See*—
Van Camp Sea Food Co.

Virginia Smelting Company, Portland, Maine. Liquid sulphur dioxide. 213,992; renewed June 8, 1946. O. G. Sept. 3. Class 6.

Wallace Metal Products Company, Inc., New Haven, Conn. Electric switches. 423,619; Sept. 3; Serial No. 494,296; published June 11, 1946. Class 21.

Wallace Metal Products Company, Inc., New Haven, Conn. Door checks. 423,626; Sept. 3; Serial No. 494,641; published June 11, 1946. Class 13.

Warren Bros. Corp., Cranford, N. J. Chocolate and confectionary molds. 423,596; Sept. 3; Serial No. 493,412; published May 28, 1946. Class 23.

Warren Fabrics Co. Inc., West Warren, Mass., and New York, N. Y. Woolen piece goods. 423,485; Sept. 3; Serial No. 487,538; published May 28, 1946. Class 42.

Warren, W., Thread Works: *See*—
Clark, John J., & Co.

Waterqueen Co.: *See*—
Hosid, Beatrice.

Waverly Cocoa & Chocolate Co., Inc., Brooklyn, N. Y. Cocoa and candy bars. 423,643; Sept. 3. Class 46.

Weaver Manufacturing Company, Springfield, Ill. Pressure line operated hydraulic and pneumatic-hydraulic pressure line operated elevating and lowering appliances. 423,646; Sept. 3. Class 23.

Weiner, Martin, New York, N. Y. Piece goods. 423,530; Sept. 3; Serial No. 490,910; published May 28, 1946. Class 42.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., and Baltimore, Md., now by change of name Westinghouse Electric Corporation. X-ray apparatus for the making of X-ray exposures. 423,449; Sept. 3; Serial No. 482,186; published Sept. 18, 1945. Class 21.

Westinghouse Electric Corporation: *See*—
Westinghouse Electric & Manufacturing Company.

Westinghouse Electric Corporation, East Pittsburgh, Pa., and Owensboro, Ky. Electric lamps. 423,589–90; Sept. 3; Serial Nos. 493,234–5; published May 21, 1946. Class 21.

Westvaco Chlorine Products Corporation, New York, N. Y. Acid sodium pyro phosphate. 423,544; Sept. 3; Serial No. 491,442; published June 4, 1946. Class 46.

Wheeler Paper Corporation, Albany, N. Y. Paper towels. 423,566; Sept. 3; Serial No. 492,480; published June 18, 1946. Class 37.

Wheeler Paper Corporation, Albany, N. Y. Paper towels. 423,573; Sept. 3; Serial No. 492,808; published June 18, 1946. Class 37.

White, Roger B., Cleveland Heights, Ohio. Work supporting members and label guides. 423,453; Sept. 3; Serial No. 483,504; published May 28, 1946. Class 23.

Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 423,570; Sept. 3; Serial No. 492,606; published June 4, 1946. Class 46.

Whittemore Bros. Corp., Cambridge, Mass. Leather polish. 217,327; renewed Aug. 31, 1946. O. G. Sept. 3. Class 4.

Wikkerink, Lance, Milwaukee, Wis. Air conditioning equipment. 423,562; Sept. 3; Serial No. 492,241; published June 18, 1946. Class 34.

Wilkins, E. J., Company, Gloversville, N. Y. Leather cigarette cases. 423,665; Sept. 3. Class 8.

Williams, Thomas J., doing business as Personal Stationery Co., Camden, N. J. Personalized mailing cards and for stationery. 423,554; Sept. 3; Serial No. 491,782; published June 11, 1946. Class 37.

Williams Tool Corporation, Erie, Pa., to The Oster Manufacturing Company, Cleveland, Ohio. Threading machines. 212,322; renewed Apr. 27, 1946. O. G. Sept. 3. Class 23.

Wilson, Andrew, Inc., Springfield, N. J. Insecticides. 211,233; renewed Apr. 6, 1946. O. G. Sept. 3. Class 6.

Windsor-Lloyd Products, Inc., Philadelphia, Pa. Radio receiving sets and parts thereof. 423,568; Sept. 3; Serial No. 492,534; published June 4, 1946. Class 21.

Winter Brothers Company, Wrentham, Mass. Taps and dies. 423,671; Sept. 3. Class 23.

Withas Manufacturing Company, Pocomoke City, Md. Liquid fuel feeding assemblies and filters, pumps and other parts thereof. 423,479; Sept. 3; Serial No. 486,511; published June 18, 1946. Class 34.

Worthman, Irving, Brooklyn, N. Y. Facial tissue. 423,651; Sept. 3. Class 37.

Worumbo Manufacturing Company, Bath, to Worumbo Manufacturing Company, Lisbon Falls, Maine. Coats and suits. 218,094–5; renewed Sept. 21, 1946. O. G. Sept. 3. Class 39.

Yorkville Paper Co. Inc., New York, N. Y. Assembly in the nature of a kit of paper wrapping and packaging materials. 423,454; Sept. 3; Serial No. 483,799; published June 11, 1946. Class 37.

Younghusband, James L., assignee: *See*—
Harrison, Sarah A.

Zukmann, Leslie L., New York, N. Y. Friction pyrophoric and catalytic cigar, cigarette and paper lighters, and parts for such lighters. 423,484; Sept. 3; Serial No. 487,491; published Jan. 22, 1946. Class 34.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Red Jacket Coal Sales Company. 423,431; Sept. 3; Serial No. 469,784; published Nov. 14, 1944.

Cotton fabric, Macerated. Rayon Processing Co. of R. I. Inc. 423,571; Sept. 3; Serial No. 492,657; published June 11, 1946.

Cotton fibres, Finely cut or comminuted. Rayon Processing Co. of R. I. Inc. 423,572; Sept. 3; Serial No. 492,659; published June 11, 1946.

Fiber mixtures, Cellulose. National Lead Company. 423,491; Sept. 3; Serial No. 488,249; published June 11, 1946.

Leather, Karg Brothers, Inc. 423,564; Sept. 3; Serial No. 492,443; published June 11, 1946.

Leather, Full-grained and buffed sole. Alpena Leather Corporation. 218,506; renewed Sept. 28, 1946. O. G. Sept. 3.

Leathers. Chicago Tanning Company. 218,496; renewed Sept. 28, 1946. O. G. Sept. 3.

Setting material, Synthetic, initially plastic. United States Stoneware Co. 423,511; Sept. 3; Serial No. 490,044; published June 18, 1946.

CLASS 2

Canvas products. Kamen Products Co., Inc. 423,428; Sept. 3; Serial No. 466,916; published June 11, 1946.
Compact and vanity cases, cases for eyeglasses, etc. Aristocrat Leather Products, Inc. 423,430; Sept. 3; Serial No. 469,529; published Nov. 14, 1944.
Boxes of paper, paper board, boxboard, etc. Mason Box Company. 218,470; renewed Sept. 28, 1946. O. G. Sept. 3.
Boxes or beer cases, Bottle. C. A. La Fave. 423,641; Sept. 3; Serial No. 498,528; published June 18, 1946.
Vaults and plastic burial urns, Plastic burial. Metallin Products Company. 423,460; Sept. 3; Serial No. 484,694.

CLASS 3

Billfolds, card and license cases, secretary cases, etc. Mueller Specialties, Inc. 423,503; Sept. 3; Serial No. 489,430; published June 11, 1946.
Cases, trunks, brief cases, etc., Travelling. U. S. Luggage & Leather Products Co. 423,634; Sept. 3; Serial No. 497,353; published June 18, 1946.
Hand bags. Cohn & Rosenberger, Inc. 214,172; renewed June 15, 1946. O. G. Sept. 3.
Handbags and purses, Ladies'. Gold Seal Importers, Inc. 423,636; Sept. 3; Serial No. 497,540; published June 11, 1946.
Handbags, Ladies'. Goldsmith Brothers Manufacturing Co. Inc. 423,632; Sept. 3; Serial No. 496,136; published June 11, 1946.
Handbags, Ladies', misses' and children's. Pyramid Leather Goods Co., Inc. 423,637; Sept. 3; Serial No. 497,567; published June 11, 1946.
Luggage. S. Orenstein. 423,661; Sept. 3.

CLASS 4

Belt-dressing. Stephenson Mfg. Co. 51,251; re-renewed Apr. 10, 1946. O. G. Sept. 3.
Cleaning preparations. Lustre Chemical Corporation. 214,214; renewed June 15, 1946. O. G. Sept. 3.
Polish, Leather. Whittemore Bros. Corp. 217,327; renewed Aug. 31, 1946. O. G. Sept. 3.
Soap. Huntington Laboratories, Inc. 216,427; renewed Aug. 10, 1946. O. G. Sept. 3.
Soap and soap preparations. E. J. Beach. 423,543; Sept. 3; Serial No. 491,383; published June 4, 1946.

CLASS 6

Antiseptic for local and internal use. H. K. Mulford Company. 51,646; re-renewed Apr. 17, 1946. O. G. Sept. 3.
Cod-liver oil and emulsions thereof. Tallby-Nason Co. 211,158; renewed Apr. 6, 1946. O. G. Sept. 3.
Hair grower. R. Lewis. 215,082; renewed July 13, 1946. O. G. Sept. 3.
Insecticides. Andrew Wilson, Inc. 211,233; renewed Apr. 6, 1946. O. G. Sept. 3.
Lye. Champion Chemical Works, Inc. 218,117; renewed Sept. 21, 1946. O. G. Sept. 3.
Medicinal preparation in suppository or ointment form. H. K. Mulford Company. 51,649; re-renewed Apr. 17, 1946. O. G. Sept. 3.
Medicine to alleviate pain, Liquid. Herb Medicine Co. 218,386; renewed Sept. 28, 1946. O. G. Sept. 3.
Powder, face powder, cold cream, etc., Talcum. Lever Brothers Company. 215,524; renewed July 20, 1946. O. G. Sept. 3.
Powder, talcum powder, rouge, etc., Face. Valmor Health Products Co. 218,299; renewed Sept. 21, 1946. O. G. Sept. 3.
Shampoo. Colgate & Company. 218,576; renewed Sept. 28, 1946. O. G. Sept. 3.
Sulphur dioxide, Liquid. Virginia Smelting Company. 213,992; renewed June 8, 1946. O. G. Sept. 3.
Suppositories. Dr. Pierre Chemical Company. 51,636; re-renewed Apr. 17, 1946. O. G. Sept. 3.
Suppositories. Dr. Pierre Chemical Co. 213,899; renewed June 8, 1946. O. G. Sept. 3.
Suppositories. Dr. Pierre Chemical Co. 214,014; renewed June 8, 1946. O. G. Sept. 3.
Toilet preparations, Certain named. Leigh Chemist, Inc. 217,084; renewed Aug. 24, 1946. O. G. Sept. 3.

CLASS 8

Ash receivers, humidors for the conserving of cigars and cigarettes, cigar and cigarette cases and holders, etc. E. E. Edward Ltd. 423,509; Sept. 3; Serial No. 490,016; published June 11, 1946.
Cases, Leather cigarette. E. J. Wilkins Company. 423,665; Sept. 3.
Pipes. Lane Tobacco, Ltd. 423,528; Sept. 3; Serial No. 490,890; published June 11, 1946.
Pipes. John H. Moore, Inc. 423,555; Sept. 3; Serial No. 491,927; published June 11, 1946.

CLASS 9

Ammunition. Remington Arms Company, Inc. 216,743; renewed Aug. 17, 1946. O. G. Sept. 3.

CLASS 12

Building material. H. Klein. 423,599; Sept. 3; Serial No. 493,494; published June 11, 1946.
Insulating fabric, Cellular thermal. Infra Insulation, Inc. 423,625; Sept. 3; Serial No. 494,608; published June 18, 1946.
Roofing, Smooth-surface asphalt ready. C. M. McClung & Co., Inc. 215,961; renewed Aug. 3, 1946. O. G. Sept. 3.
Shingles, Asphalt. Globe Roofing Products Co. 423,553; Sept. 3; Serial No. 491,712; published June 18, 1946.

CLASS 13

Bulbs, Tank. J. A. Sexauer Mfg. Co., Inc. 217,334; renewed Aug. 31, 1946. O. G. Sept. 3.
Cast aluminum cookware. Advance Aluminum Castings Corp. 423,576; Sept. 3; Serial No. 492,980; published June 11, 1946.
Cast aluminum cookware. Advance Aluminum Castings Corp. 423,577; Sept. 3; Serial No. 492,892; published June 11, 1946.
Cast aluminum cookware. Advance Aluminum Castings Corp. 423,578; Sept. 3; Serial No. 492,984; published June 11, 1946.
Curtain sets made of plastic film. A. L. Siegel Co., Inc. 423,470; Sept. 3; Serial No. 485,659; published June 18, 1946.
Door checks. Wallace Metal Products Company, Inc. 423,626; Sept. 3; Serial No. 494,641; published June 11, 1946.
Fasteners of the zipper type, Slide. Companhia Brasileira De Metais. 423,592; Sept. 3; Serial No. 493,324; published June 18, 1946.
Fasteners, Slide. F. L. G. Co. Inc. 423,588; Sept. 3; Serial No. 493,183; published June 18, 1946.
Hardware and automobile and truck body hardware, Automobile and vehicle top. Auto-Vehicle Parts Co. 423,498; Sept. 3; Serial No. 488,727; published June 18, 1946.
Softeners and filters of the chemical container type, Water. B. Hosid. 423,531; Sept. 3; Serial No. 490,948; published June 18, 1946.
Trainers and plastic toilet deflectors, Toilet seat. Zadek Feldstein Co., Inc. 423,488; Sept. 3; Serial No. 487,832; published June 11, 1946.
Tubes. Babcock-Wilcox Tube Company. 423,598; Sept. 3; Serial No. 493,475; published June 11, 1946.
Tubes, Copper-base. Chase Brass & Copper Co., Incorporated. 423,582; Sept. 3; Serial No. 493,041; published June 11, 1946.

CLASS 15

Fuels, Liquid. Atlantic Refining Company. 217,225; renewed Aug. 31, 1946. O. G. Sept. 3.
Lubricating-oils. Atlantic Refining Company. 51,677; re-renewed Apr. 24, 1946. O. G. Sept. 3.
Oils and greases, Lubricating. Panther Oil & Grease Mfg. Co. 423,510; Sept. 3; Serial No. 490,032; published Mar. 19, 1946.
Oils and grinding compounds, Cutting. A. J. McDuff. 423,618; Sept. 3; Serial No. 494,275; published June 4, 1946.

CLASS 16

Bronze-green paints. John Briggs & Co. 51,278; re-renewed Apr. 10, 1946. O. G. Sept. 3.
Coatings, Protective. Dampney Company of America. 216,030; renewed Aug. 3, 1946. O. G. Sept. 3.
Malt extracts. M. K. Goetz Brewing Company. 52,758; re-renewed May 15, 1946. O. G. Sept. 3.
Paint, Mixed. Patterson-Sargent Company. 54,521; re-renewed June 26, 1946. O. G. Sept. 3.
Paints, varnishes, enamels, etc., Mixed. Valentine & Company. 56,427; re-renewed Sept. 25, 1946. O. G. Sept. 3.
Paints, Ready-mixed. Standard Varnish Works. 212,289; renewed Apr. 27, 1946. O. G. Sept. 3.
Putty or glazing preparation, Liquid. F. O. Pierce Company. 51,763; re-renewed Apr. 24, 1946. O. G. Sept. 3.
Varnishes. David B. Crockett Company. 51,222; re-renewed Apr. 10, 1946. O. G. Sept. 3.

CLASS 17

Cigars. American Cigar Company. 52,314; re-renewed May 8, 1946. O. G. Sept. 3.
Cigars. M. Fernandez & Company. 423,505; Sept. 3; Serial No. 489,507; published June 11, 1946.
Snuff. A. Selmer. 423,542; Sept. 3; Serial No. 491,369; published June 18, 1946.
Tobacco and cigarettes, Plug. Larus & Brother Company. 217,038; renewed Aug. 24, 1946. O. G. Sept. 3.

CLASS 19

Airplane parts. B. F. Goodrich Company. 423,613; Sept. 3; Serial No. 494,059; published June 11, 1946.
Airplanes and structural parts therefor. Lockheed Aircraft Corporation. 423,614–16; Sept. 3; Serial No. 494,160–2; published June 11, 1946.
Sling support adapted to be worn by an adult, Infant. G. Beier. 423,493; Sept. 3; Serial No. 488,390; published June 18, 1946.
Strollers, Collapsible. F. R. Piccolo. 423,631; Sept. 3; Serial No. 495,622; published June 18, 1946.

Trailers. Fruehauf Trailer Company. 218,043; renewed Sept. 21, 1946. O. G. Sept. 3.
Vehicle hub caps. Chrysler Sales Corporation. 212,236; renewed Apr. 27, 1946. O. G. Sept. 3.
Vehicle window operators, Fluid operated. Trico Products Corporation. 423,471; Sept. 3; Serial No. 485,894; published June 18, 1946.

CLASS 20

Coverings of the linoleum type, Lightweight floor, wall and similar surface. Armstrong Cork Company. 423,610; Sept. 3; Serial No. 493,944; published June 11, 1946.
Floor coverings of the type including a felt base and a mastic wearing surface, Hard surface. Armstrong Cork Company. 423,630; Sept. 3; Serial No. 495,565; published June 18, 1946.

CLASS 21

Batteries, Wet storage. Gamble Stores, Incorporated. 423,617; Sept. 3; Serial No. 494,269; published June 11, 1946.
Battery charging and testing apparatus, Combination. Mercury Battery Charger Co. 423,644; Sept. 3.
Circuit breakers. Frank Adam Electric Company. 423,620; Sept. 3; Serial No. 494,297; published June 11, 1946.
Circuit switching apparatus and parts thereof, Electric. Allis-Chalmers Manufacturing Company. 423,591; Sept. 3; Serial No. 493,308; published June 4, 1946.
Electric appliances. Tennessee Valley Associates. 423,648; Sept. 3.
Electric dishwashing machines, Domestic. Dyna-Electric Manufacturing Company. 423,500–1; Sept. 3; Serial Nos. 488,851–2; published June 11, 1946.
Electric switches Wallace Metal Products Company, Inc. 423,619; Sept 3; Serial No. 494,296; published June 11, 1946.
Electric wire, Sheathed. Plastic Wire & Cable Corporation. 423,553; Sept. 3; Serial No. 490,967; published June 18, 1946.
Electrical cords, Extensible. Kellogg Switchboard and Supply Company. 423,579–80; Sept. 3; Serial Nos. 493,010–11; published May 21, 1946.
Electrically operated lather producing machines. Campbell Products Company. 423,525; Sept. 3; Serial No. 490,634; published June 18, 1945.
Electro-magnets. Hanchett Manufacturing Co 423,458; Sept. 3; Serial No. 484,128; published May 28, 1946.
Fans, Electric. Galvin Electric Manufacturing Company. 215,265; renewed July 13, 1946. O. G. Sept. 3.
Fixtures, Electric fluorescent lamp lighting. Fluorescent Fixtures, Inc. 423,494; Sept. 3; Serial No. 488,459; published May 21, 1946.
Flash lights, electric vapor and/or explosive proof extension lights, etc. Stewart R. Browne Mfg. Co. Inc. 423,556; Sept. 3; Serial No. 491,962; published June 11, 1946.
Heating equipment and parts therefor, High frequency induction. Induction Heating Corporation. 423,481; Sept. 3; Serial No. 487,133; published June 11, 1946.
Insulated wire and tubing and for thermo-plastic applied concentrically on wires for electrical insulation, Electrically. J. F. Mattimore. 423,539; Sept. 3; Serial No. 491,166; published June 18, 1946.
Irons, Electric. C. D. Muller. 423,575; Sept. 3; Serial No. 492,940; published May 21, 1946.
Jaws for electrode holders and contact members. Lincoln Electric Company. 423,446; Sept. 3; Serial No. 481,073; published June 4, 1946.
Lamps, Electric. Westinghouse Electric Corporation. 423,589–90; Sept. 3; Serial Nos. 493,234–5; published May 21, 1946.
Lighting fixtures, Fluorescent. Day-Brite Lighting, Inc. 423,557; Sept. 3; Serial No. 491,963; published June 11, 1946.
Motors, dynamotors, speed controllers, Electrical. A. G. Redmond Co. 423,433; Sept. 3; Serial No. 474,178; published May 28, 1946.
Motors, Electric. Farmco, Incorporated. 423,515; Sept. 3; Serial No. 490,108; published June 4, 1946.
Plastic electrical parts, Molded. Pro-phy-lac-tic Brush Company. 423,473; Sept. 3; Serial No. 486,117; published June 18, 1946.
Plates, Metal. Oakite Products, Inc. 423,464; Sept. 3; Serial No. 484,968; published June 4, 1946.
Radio receiving sets. Metropolitan Radio Electronics Corp. 423,529; Sept. 3; Serial No. 490,898; published June 11, 1946.
Radio receiving sets. Affiliated Retailers, Inc. 423,605; Sept. 3; Serial No. 493,709; published May 28, 1946.
Radio receiving sets. Le R. Schenck. 423,670; Sept. 3.
Radio receiving sets and parts thereof. V-Lectrical Engineering Co. 423,524; Sept. 3; Serial No. 490,560; published June 11, 1946.
Radio receiving sets and parts thereof. Windsor-Lloyd Products, Inc. 423,568; Sept. 3; Serial No. 492,534; published June 4, 1946.
Radio tubes. Federal Telephone and Radio Corporation. 423,583–4; Sept. 3; Serial Nos. 493,112–13; published May 21, 1946.
Record players with radio amplifier, Electric. Tone Products Corporation of America. 423,522; Sept. 3; Serial No. 490,554; published June 18, 1946.
Rubber sleeves for electric insulating purposes, Synthetic. Hellermann Electric Limited. 423,441; Sept. 3; Serial No. 478,954; published June 11, 1946.
Shears, Hand supported and controlled electric power driven. Black and Decker Manufacturing Company. 423,444; Sept. 3; Serial No. 479,274; published Oct. 23, 1945.
Switches, electric switch housings and overtravel actuators, Electric. First Industrial Corporation. 423,461; Sept. 3; Serial No. 484,738; published May 28, 1946.
Transformers, Electrical power. United States Television Manufacturing Corporation. 423,519; Sept. 3; Serial No. 490,271; published June 11, 1946.
Transmitting and receiving apparatus. Allis-Chalmers Manufacturing Company. 423,558; Sept. 3; Serial No. 492,016; published June 11, 1946.
Warmers and cookers, electrically heated bottle warmers, electrically heated vapor sterilizers, Electrically heated food, etc. Electrical Industries, Inc. 423,504; Sept. 3; Serial No. 489,454; published May 28, 1946.
Wheels and trolley harps, Trolley. American Brake Shoe Company. 423,612; Sept. 3; Serial No. 493,997; published June 11, 1946.
Wire, Electrical. Callite Tungsten Corporation. 423,476; Sept. 3; Serial No. 486,287; published May 28, 1946.
X-ray apparatus for the making of X-ray exposures. Westinghouse Electric & Manufacturing Company. 423,449; Sept. 3; Serial No. 482,186; published Sept. 18, 1945.

CLASS 22

Devices for releasing snagged fishing lures or baits. Helldiver Company. 423,638; Sept. 3; Serial No. 497,605; published June 11, 1946.
Dolls. A. Kargere. 423,521; Sept. 3; Serial No. 490,538; published June 18, 1946.
Game devices. A. A. Rees. 423,435; Sept. 3; Serial No. 476,927; published June 11, 1946.
Golf balls. R. H. Macy & Co., Inc. 216,779; renewed Aug. 17, 1946. O. G. Sept. 3.
Kits of miniature building materials. R. L. Kirkegaard. 423,660; Sept. 3.
Toy airplanes, boats, trains and jeeps. Sky Hobby, Incorporated. 423,639; Sept. 3; Serial No. 497,632; published June 11, 1946.
Toy holster sets. Classy Products Co. 423,635; Sept. 3; Serial No. 497,530; published June 11, 1946.
Toys, Rubber. Tillotson Rubber Co. 423,426; Sept. 3; Serial No. 431,096; published July 2, 1940.

CLASS 23

Apparatus for thinning seedling and other plants. Fijelen Research and Development Company. 423,551; Sept. 3; Serial No. 491,637; published May 28, 1946.
Aprons for carding machines, Rub. Boston Woven Hose & Rubber Company. 423,513; Sept. 3; Serial No. 490,057; published June 11, 1946.
Cleaning equipment, Industrial. Oakite Products, Inc. 423,465; Sept. 3; Serial No. 484,969; published June 4, 1946.
Cork screws. J. H. Miller. 423,451; Sept. 3; Serial No. 482,539; published June 11, 1946.
Cultivators, Agricultural. Deere & Company. 423,478; Sept. 3; Serial No. 486,297; published May 28, 1946.
Cutters, Machine tool. A. Mackmann. 423,456; Sept. 3; Serial No. 483,828; published Nov. 27, 1945.
Die heads. Landis Machine Company. 217,005; renewed Aug. 24, 1946. O. G. Sept. 3.
Dies, fluid orifice, plugs and fluid spray jets, etc., Wire and bar drawing. United States Quarry Tile Company. 423,506; Sept. 3; Serial No. 489,547; published June 11, 1946.
Discs and spray whirls, Spray. R. E. Cooley. 423,526; Sept. 3; Serial No. 490,746; published May 21, 1946.
Earthworking machines. K & B Manufacturing Co. 423,527; Sept. 3; Serial No. 490,833; published June 18, 1946.
Elevating and lowering appliances, Pressure line operated hydraulic and pneumatic-hydraulic pressure line operated. Weaver Manufacturing Company. 423,646; Sept. 3.
Engine and transmission mounts, Vibration and shock absorbing. Anchor Rubber Products, Inc. 423,508; Sept. 3; Serial No. 489,894; published June 18, 1946.
Filing machines. Robinson Manufacturing Co. 423,672; Sept. 3.
Guides, grinding balls and wearing plates, etc., Textile thread. United States Quarry Tile Company. 423,483; Sept. 3; Serial No. 487,227; published June 11, 1946.
Gun, Automotive radiator flushing. R. F. Becker. 423,600; Sept. 3; Serial No. 493,585; published May 28, 1946.
Hydraulic valve actuators. Bendix Aviation Corporation. 423,495; Sept. 3; Serial No. 488,564; published June 11, 1946.
Jacks, Automobile. Tudor Industries Corp. 423,523; Sept. 3; Serial No. 490,558; published June 4, 1946.
Lawn mowers. Root Manufacturing Co. 423,621; Sept. 3; Serial No. 494,363; published June 11, 1946.

Lawn mowers, field mowing machines, grain harvesters, etc. H. C. Dodge Incorporated. 218,227; renewed Sept. 21, 1946. O. G. Sept. 3.
Loaders, for tractors powered by the tractor itself, Front end. Super Six Mfg., Inc. 423,518; Sept. 3; Serial No. 490,267; published June 11, 1946.
Lubricating apparatus, Built-in track-attached mechanical. Ardco Manufacturing Company. 423,497; Sept. 3; Serial No. 488,633; published May 21, 1946.
Lubricators, Rail. American Brake Shoe Company. 423,512; Sept. 3; Serial No. 490,049; published May 28, 1946.
Machine for use in washing grease from metal parts. Gray-Mills Co. 423,474; Sept. 3; Serial No. 486,250; published May 28, 1946.
Machines for the separation of the elements and clarification of milk, etc. Columbia Machine Works, Inc. 423,436; Sept. 3; Serial No. 477,140; published June 18, 1946.
Material treating machines. Safety Car Heating and Lighting Company, Inc. 423,434; Sept. 3; Serial No. 476,818; published May 28, 1946.
Molds, Chocolate and confectionery. Warren Bros. Corp. 423,596; Sept. 3; Serial No. 493,412; published May 28, 1946.
Mowers, Lawn. American Chain & Cable Company, Inc. 423,452; Sept. 3; Serial No. 482,960; published May 21, 1946.
Pipe extension, Automobile tail. L. Lyons. 423,459; Sept. 3; Serial No. 484,692; published June 11, 1946.
Pumps. Marlow Pumps. 423,442; Sept. 3; Serial No. 479,081; published June 11, 1946.
Rake and cutter, Combination hand. R. G. Arey. 423,514; Sept. 3; Serial No. 490,096; published June 4, 1946.
Razor blades. Otto Roth, Inc. 214,850; renewed July 6, 1946. O. G. Sept. 3.
Razor blades. Lightfoot Schultz Co. 423,517; Sept. 3; Serial No. 490,126; published June 4, 1946.
Razor blades. Mukamal Company. 423,559; Sept. 3; Serial No. 492,078; published May 28, 1946.
Razors, pocket-knives, butcher-knives, etc. Adolph Kastor & Bros. 54,356; re-renewed June 26, 1946. O. G. Sept. 3.
Scissors and shears. Clayton Manufacturing Company. 423,550; Sept. 3; Serial No. 491,629; published May 21, 1946.
Separators, Electric cream. Farmco, Incorporated. 423,516; Sept. 3; Serial No. 490,109; published June 4, 1946.
Servicing apparatus, Unitary portable automotive. Lincoln Engineering Company. 423,437; Sept. 3; Serial No. 477,937; published June 18, 1946.
Stock handling machinery. J. B. Engineering Sales Company. 423,440; Sept. 3; Serial No. 478,456; published May 21, 1946.
Supporting members and label guides, Work. R. B. White. 423,453; Sept. 3; Serial No. 483,504; published May 28, 1946.
Taps and dies. Winter Brothers Company. 423,671; Sept. 3.
Threading machines. Williams Tool Corporation. 212,322; renewed Apr. 27, 1946. O. G. Sept. 3.
Tractors. Deere & Company. 423,477; Sept. 3; Serial No. 486,296; published May 28, 1946.
Trucks, Gasoline engine powered lift. Domestic Industries, Inc. 423,645; Sept. 3.
Valves, Automatic mechanical water-unloading. Gray Company, Inc. 423,547; Sept. 3; Serial No. 491,566; published May 21, 1946.
Writing machines, Shorthand. W. V. Kirkpatrick. 423,532; Sept. 3; Serial No. 490,951; published May 28, 1946.

CLASS 24

Laundry appliances, Domestic. Nineteen Hundred Corporation. 423,611; Sept. 3; Serial No. 493,977; published June 18, 1946.
Washing machines, Clothes or laundry. Altorfer Bros. Company. 215,158; renewed July 13, 1946. O. G. Sept. 3.

CLASS 26

Apparatus for synchronizing the flash bulb equipment of photographic cameras. Al Norris Company. 423,545; Sept. 3; Serial No. 491,499; published June 11, 1946.
Calipers, dividers, and pencil compasses, etc., Inside and outside. R. A. Beck. 423,363; Sept. 3; Serial No. 492,352; published June 18, 1946.
Cameras, parts thereof and accessories therefor. Adel Precision Products Corp. 423,622; Sept. 3; Serial No. 494,417; published June 11, 1946.
Discs, Kaleidoscopic. Television Associates, Inc. 423,447; Sept. 3; Serial No. 481,501; published June 18, 1946.
Electrically operated apparatus. Oakite Products, Inc. 423,466; Sept. 3; Serial No. 485,094; published June 4, 1946.
Eyeglasses and eyeglass mountings or frames, etc. Optical Products Company. 423,593–4; Sept. 3; Serial Nos. 493,387–8; published June 18, 1946.
Films, Motion picture. RKO Television Corporation. 423,432; Sept. 3; Serial No. 473,396; published June 11, 1946.
Gauging members. N. W. Redmer. 423,468; Sept. 3; Serial No. 485,601; published June 18, 1946.
Glasses, eyeglasses, spectacles, etc., Sun. Comptone Company. 423,585; Sept. 3; Serial No. 493,165; published June 11, 1946.
Glasses, eyeglasses, spectacles, etc., Sun. Comptone Company. 423,586–7; Sept. 3; Serial Nos. 493,167–8; published June 11, 1946.
Glasses, Sun. Bee-Tee Optical Corporation. 423,601; Sept. 3; Serial No. 493,586; published June 18, 1946.
Meters and instruments, Fluid. Builders Iron Foundry. 423,561; Sept. 3; Serial No. 492,177; published June 18, 1946.
Mountings, Ophthalmic. Uhlemann Optical Co. of Illinois. 423,624; Sept. 3; Serial No. 494,526; published June 11, 1946.
Pyrometers. Claud S. Gordon Company. 423,567; Sept. 3; Serial No. 492,493; published June 11, 1946.
Tanks, squeegees, and printing rolls, Photographic processing. Polaroid Corporation. 423,546; Sept. 3; Serial No. 491,507; published June 18, 1946.
Transfers, Photosensitive. Di-Noc Company. 423,448; Sept. 3; Serial No. 481,887; published June 18, 1946.
Transits, Pocket. Wm. Ainsworth & Sons, Inc. 423,472; Sept. 3; Serial No. 486,019; published June 18, 1946.

CLASS 27

Watches. Gothic Watch Co. Inc. 217,855; renewed Sept. 14, 1946. O. G. Sept. 3.

CLASS 29

Hairbrush. J. Tanenbaum. 423,662; Sept. 3.

CLASS 30

Dinner sets, breakfast sets, and similar china or porcelain ware. B. Altman & Co. 218,264; renewed Sept. 21, 1946. O. G. Sept. 3.
Porcelain ware. E. L. Fondeville. 218,055; renewed Sept. 21, 1946. O. G. Sept. 3.

CLASS 31

Cabinets, storage refrigerator cabinets, farm freezer, etc., Ice cream. Stangard-Dickerson Corporation. 423,534; Sept. 3; Serial No. 491,034; published June 11, 1946.
Cabinets, storage refrigerator cabinets, farm freezers, etc., Ice cream. Stangard-Dickerson Corporation. 423,535; Sept. 3; Serial No. 491,035; published June 18, 1946.
Cabinets, storage refrigerator cabinets, farm freezers, etc., Ice cream. Stangard-Dickerson Corporation. 423,540; Sept. 3; Serial No. 491,197; published June 4, 1946.
Refrigerating apparatus, refrigerating machines, and refrigerators. Aktiebolaget Elektrolux. 214,633; renewed June 29, 1946. O. G. Sept. 3.
Refrigeration controls. Sporlan Valve Company. 423,439; Sept. 3; Serial No. 478,296; published June 18, 1946.
Refrigerators and home freezers. Allied Stores Corporation. 423,606; Sept. 3; Serial No. 493,712; published June 18, 1946.
Refrigerators and home freezers. Allied Stores Corporation. 423,607; Sept. 3; Serial No. 493,714; published June 18, 1946.

CLASS 32

Cabinet shelves. Kangaroo. 423,652; Sept. 3.
Cabinets, Metal filing. General Fireproofing Company. 216,941; renewed Aug. 24, 1946. O. G. Sept. 3.
Cribs. E. F. Borrelli. 423,628; Sept. 3; Serial No. 495,535; published June 18, 1946.
Desk tops for office desks and the like. General Fireproofing Company. 218,135; renewed Sept. 21, 1946. O. G. Sept. 3.
Mattresses and box springs. Columbia Bedding Co. 423,655; Sept. 3.
Mattresses, divans, box springs, and studio couches. R. B. Clark. 423,629; Sept. 3; Serial No. 495,540; published June 11, 1946.
Mirrored picture frames, mirrored bars, mirrored show cases, etc. A. Brown. 423,659; Sept. 3.
Tables, card tables, corner tables, etc., Trestle. Habitant Shops, Inc. 423,663–4; Sept. 3.

CLASS 33

Crystals, Watch. C. & E. Marshall Company. 218,262; renewed Sept. 21, 1946. O. G. Sept. 3.
Glass bottles. L. Rose & Co., Limited. 51,682; re-renewed Apr. 24, 1946. O. G. Sept. 3.

CLASS 34

Air conditioning equipment. Lance Wikkerink. 423,562; Sept. 3; Serial No. 492,241; published June 18, 1946.
Boilers, Steam and hot-water. Fitzgibbons Boiler Company, Inc. 217,589; renewed Sept. 7, 1946. O. G. Sept. 3.
Feeding assemblies and filters, pumps, and other parts thereof, Liquid fuel. Withas Manufacturing Company. 423,479; Sept. 3; Serial No. 486,511; published June 18, 1946.
Flints. Superior Smelting Corporation. 423,505; Sept. 3; Serial No. 493,408; published June 18, 1946.

Heaters using solid fuels, Water. Locke Stove Company. 423,642; Sept. 3.
Lighters, and parts for such lighters, Friction pyrophoric and catalytic cigar, cigarette, and pipe. L. L. Zukmann. 423,484; Sept. 3; Serial No. 487,491; published Jan. 22, 1946.

CLASS 35

Hose and rotary hose, Wire braid hydraulic control and industrial grease. Thermold Company. 423,489; Sept. 3; Serial No. 487,877; published Nov. 13, 1945.
Hose, Flexible metal. Bendix Aviation Corporation. 423,438; Sept. 3; Serial No. 478,266; published June 11, 1946.

CLASS 36

Clarinet instruments, Miniature. Pioneer Musical Instrument Co. 423,482; Sept. 3; Serial No. 487,205; published June 4, 1946.
Harmonicas, Mouth. M. Hohner, Inc. 218,381; renewed Sept. 28, 1946. O. G. Sept. 3.

CLASS 37

Files of paper and/or fabric, letter and invoice files of paper and/or fabric, expanding envelopes, etc., Expanding. Cook and Cobb Company. 217,402; renewed Aug. 31, 1946. O. G. Sept. 3.
Kit of paper wrapping and packaging materials, Assembly in the nature of a. Yorkville Pape Co. Inc. 423,454; Sept. 3; Serial No. 483,790; published June 11, 1946.
Mailing cards and for stationery, Personalized. T. J. Williams. 423,554; Sept. 3; Serial No. 491,782; published June 11, 1946.
Mounts and albums, Photographic. General Aniline & Film Corporation. 423,486; Sept. 3; Serial No. 487,675; published June 11, 1946.
Paper, Drawing. J. E. P. Sullivan. 423,492; Sept. 3; Serial No. 488,384; published June 11, 1946.
Paper, Printing. Seaman Paper Company. 215,641; renewed July 20, 1946. O. G. Sept. 3.
Paper towels. Wheeler Paper Corporation. 423,566; Sept. 3; Serial No. 492,480; published June 18, 1946.
Paper towels. Wheeler Paper Corporation. 423,573; Sept. 3; Serial No. 492,808; published June 18, 1946.
Paper, vegetable parchment, wax paper, etc., Tissue. Brooks Paper Company. 214,929; renewed July 6, 1946. O. G. Sept. 3.
Paper, Wrapping. Universal Ribbon Company. 423,541; Sept. 3; Serial No. 491,294; published June 11, 1946.
Printed punched cards, Partially. Charles R. Hadley Company. 423,462; Sept. 3; Serial No. 484,741; published June 18, 1946.
Staples, Strips of united. E. H. Hotchkiss Company. 53,216; re-renewed May 29, 1946. O. G. Sept. 3.
Tissue, Facial. I. Worthman. 423,651; Sept. 3.
Tissue fruit wraps. Crown Zellerbach Corporation. 423,569; Sept. 3; Serial No. 492,546; published June 18, 1946.

CLASS 38

Newspaper, Evening and Sunday. Brooklyn Citizen. 218,630; renewed Sept. 28, 1946. O. G. Sept. 3.
Section of periodical publications. United States News Publishing Corporation. 423,565; Sept. 3; Serial No. 492,476; published May 7, 1946.

CLASS 39

Boots and shoes, Leather. Evans Shoe Co. 56,411; re-renewed Sept. 25, 1946. O. G. Sept. 3.
Boots, slippers, and shoes, Leather and cloth. Hanan & Son. 53,143; re-renewed May 29, 1946. O. G. Sept. 3.
Cloaks, dress-skirts, dress-waists, etc. Bedell Company. 55,049; re-renewed Aug. 7, 1946. O. G. Sept. 3.
Coats and suits. Worumbo Manufacturing Company. 218,094–5; renewed Sept. 21, 1946. O. G. Sept. 3.
Coats, trousers, vests, and overcoats, Men's and boys'. Levinsohn Bros. & Co., Inc. 218,052; renewed Sept. 21, 1946. O. G. Sept. 3.
Corsets, corset-waists, and corset-steels. Kops Bros. 50,936; re-renewed Apr. 3, 1946. O. G. Sept. 3.
Hats, for men and young men, Felt. F. R. Tripler & Co., Inc. 218,134; renewed Sept. 21, 1946. O. G. Sept. 3.
Hosiery. Carson Pirie Scott & Company. 217,649; renewed Sept. 7, 1946. O. G. Sept. 3.
Hosiery, Textile. Bear Brand Hosiery Co. 210,939; renewed Mar. 30, 1946. O. G. Sept. 3.
Moccasins. Gideon F. Gosselin & Sons. 217,479; renewed Aug. 31, 1946. O. G. Sept. 3.
Overcoats and men's suits, Men's. L. Strauss & Co. 218,567; renewed Sept. 28, 1946. O. G. Sept. 3.
Shirts, Men's negligee. Associated Merchandising Corporation. 217,620; renewed Sept. 7, 1946. O. G. Sept. 3.
Shirts, Men's work. Carson Pirie Scott & Co. 211,138; renewed Apr. 6, 1946. O. G. Sept. 3.
Shoes. J. K. Orr Shoe Company. 213,425; renewed May 25, 1946. O. G. Sept. 3.
Suits, Children's play. Carson Pirie Scott & Company. 217,650; renewed Sept. 7, 1946. O. G. Sept. 3.
Underwear, Knit. Abraham & Straus. 51,309; re-renewed Apr. 10, 1946. O. G. Sept. 3.

CLASS 40

Braids, Millinery. Henry Pollak, Inc. 423,552; Sept. 3; Serial No. 491,675; published May 28, 1946.
Buttons. Case de Leon. 423,668; Sept. 3.
Corsets, corset-waists, and corset-steels. Kops Bros. 50,936; re-renewed Apr. 3, 1946. O. G. Sept. 3.
Needles, Sewing. D. Ackerman & Sons Ltd. 423,455; Sept. 3; Serial No. 483,803; published May 28, 1946.
Pads, Shoulder. Carlcraft Pads. 423,536; Sept. 3; Serial No. 491,062; published May 28, 1946.
Pads, Shoulder. Carlcraft Pads. 423,537; Sept. 3; Serial No. 491,064; published May 28, 1946.
Sachets in the form of pompoms, balls, tassels, etc. Richmond-Phillips. 423,647; Sept. 3.
Straps, Wrist watch. Iling Grip Corporation. 423,560; Sept. 3; Serial No. 492,094; published May 28, 1946.

CLASS 42

Cotton dress goods in the piece. Edwin E. Berliner & Co. 217,157; renewed Aug. 24, 1946. O. G. Sept. 3.
Curtains, Ruffled. Fashion Curtain Co. 423,656; Sept. 3.
Fabrics, Woven. M. R. Brnl6. 423,499; Sept. 3; Serial No. 488,738; published May 28, 1946.
Floor coverings, Pile fabric. Bigelow-Sanford Carpet Co., Inc. 423,463; Sept. 3; Serial No. 484,775; published May 28, 1946.
Linens, table cloths, napkins, etc., Household. Allied Stores Corporation. 423,597; Sept. 3; Serial No. 493,422; published June 4, 1946.
Piece goods. J. Richman & Co. 423,487; Sept. 3; Serial No. 487,803; published June 4, 1946.
Piece goods. M. Weiner. 423,530; Sept. 3; Serial No. 490,910; published May 28, 1946.
Piece goods, bed sheets, pillowcases, etc., Linen. Abraham & Straus, Inc. 423,574; Sept. 3; Serial No. 492,880; published June 4, 1946.
Piece goods, Certain. Goodall Worsted Co. 218,483; renewed Sept. 28, 1946. O. G. Sept. 3.
Piece goods of wool or of wool and cotton mixtures. L. W. Guild Company, Inc. 423,669; Sept. 3.
Piece goods of wool, wool and cotton, and wool and rayon. A. Steinam Company, Inc. 423,469; Sept. 3; Serial No. 485,614; published May 28, 1946.
Piece goods, Woolen. Warren Fabrics Co. Inc. 423,485; Sept. 3; Serial No. 487,538; published May 28, 1946.
Piece goods, Woolen. Forstmann Woolen Co. 423,502; Sept. 3; Serial No. 488,894; published May 28, 1946.
Textile fabrics in the piece. Duplex Fabrics Corp. 423,666; Sept. 3.
Towels and mats. Callaway Mills. 423,549; Sept. 3; Serial No. 491,625; published May 28, 1946.

CLASS 43

Spool-cotton. John J. Clark & Co. 52,100–2; re-renewed May 1, 1946. O. G. Sept. 3.
Thread, Sewing. Bemis Bro. Bag Company. 423,429; Sept. 3; Serial No. 467,911; published May 28, 1946.

CLASS 44

Belts. S. A. Harrison. 423,490; Sept. 3; Serial No. 488,219; published June 18, 1946.
Denture base, Acrylic. Metloid Co., Inc. 423,633; Sept. 3; Serial No. 496,260; published June 11, 1946.
Dressing, Surgical. American Medical Glass Company. 423,640; Sept. 3; Serial No. 497,836; published June 18, 1946.
Electrodes used in electro-surgical apparatus, Self-retaining. Birtcher Corporation. 423,457; Sept. 3; Serial No. 484,117; published June 11, 1946.
Toothpicks. Griggs, Cooper & Company. 218,187; renewed Sept. 21, 1946. O. G. Sept. 3.
Water-bottles, rubber fountain-syringe bags, rubber ice-caps, etc., Rubber. Faultless Rubber Co. 53,171; re-renewed May 29, 1946. O. G. Sept. 3.

CLASS 45

Ginger-ale, root-beer, lemon soda, etc. Sprague, Warner & Company. 55,882; re-renewed Aug. 21, 1946. O. G. Sept. 3.
Water for drinking purposes. C. S. Smith. 211,802; renewed Apr. 20, 1946. O. G. Sept. 3.

CLASS 46

Acid sodium pyro phosphate. Westvaco Chlorine Products Corporation. 423,544; Sept. 3; Serial No. 491,442; published June 4, 1946.
Apples, Fresh. Scampavia Bros. 218,113; renewed Sept. 21, 1946. O. G. Sept. 3.
Baking powder. Rumford Chemical Works. 423,627; Sept. 3; Serial No. 494,706; published June 4, 1946.
Biscuits and cakes. Huntley & Palmers, Ltd. 51,444; re-renewed Apr. 17, 1946. O. G. Sept. 3.
Biscuits and cakes. Huntley & Palmers, Ltd. 51,766–7; re-renewed Apr. 24, 1946. O. G. Sept. 3.
Butter. Blue Valley Creamery Company. 53,240; re-renewed May 29, 1946. O. G. Sept. 3.
Cake, nut loaf, soyflour wafers, etc., Fruit. H. May. 423,650; Sept. 3.
Cakes. Hortense Spier, Inc. 423,657; Sept. 3.
Candies and candied fruits. Querencia Orchard. 423,475; Sept. 3; Serial No. 486,273; published June 4, 1946.

Candy. Colby & McDermott. 218,495; renewed Sept. 28, 1946. O. G. Sept. 3.
Candy. Fubar, Inc. 423,602; Sept. 3; Serial No. 493,596; published June 4, 1946.
Candy, Hard and soft. Quaker City Chocolate and Confectionery Company. 54,946; re-renewed Aug. 7, 1946. O. G. Sept. 3.
Candy. Pan-American Candy Co. 423,443; Sept. 3; Serial No. 479,140; published Apr. 17, 1945.
Candy. Snafu, Inc. 423,603; Sept. 3; Serial No. 493,627; published June 4, 1946.
Candy. Sweets Company of America, Incorporated, The. 423,480; Sept. 3; Serial No. 487,013; published Jan. 1, 1946.
Candy. Tarfu, Inc. 423,604; Sept. 3; Serial No. 493,633; published June 4, 1946.
Candy. Stephen F. Whitman & Son, Inc. 423,570; Sept. 3; Serial No. 492,606; published June 4, 1946.
Canned and bottled boned turkey; boned chicken; a la king products. Dorset Foods, Ltd. 423,667; Sept. 3.
Canned blended grapefruit and orange juice. Safeway Stores, Incorporated. 423,658; Sept. 3.
Canned boned chicken, and boned turkey. Chicago Western Corporation. 423,609; Sept. 3; Serial No. 493,917; published June 4, 1946.
Canned fruits and vegetables and canned fish. P. E. Harris & Co. 218,465; renewed Sept. 28, 1946. O. G. Sept. 3.
Canned fruits, canned vegetables, canned fish, etc. Durand-McNeil-Horner Co. 212,704; renewed May 11, 1946. O. G. Sept. 3.
Canned fruits, canned vegetables, canned fish, etc. Durand-M. Neil-Horner Co. 213,283; renewed May 25, 1946. O. G. Sept. 3.
Canned pimientos. Marine Products Company. 423,538; Sept. 3; Serial No. 491,106; published June 4, 1946.
Canned, smoked, and kippered fish. Van Camp Sea Food Co. 212,442; renewed May 4, 1946. O. G. Sept. 3.
Canned tomato paste, canned fruits, and canned tomato puree. Oakland Canning Company. 423,608; Sept. 3; Serial No. 493,815; published June 4, 1946.
Canned tomato puree. Dinuba Canning Co., Inc. 423,467; Sept. 3; Serial No. 485,332; published Oct. 23, 1945.
Canned white corn. Hale-Halsell Co. 423,520; Sept. 3; Serial No. 490,431; published June 4, 1946.
Cocoa and candy bars. Waverly Cocoa & Chocolate Co. Inc. 423,643; Sept. 3.
Crackers, Saltine. Consolidated Biscuit Company. 423,653; Sept. 3.
Extracts, essences, and compounds, Food-flavoring. Paramount Laboratories, Inc. 215,796; renewed July 27, 1946. O. G. Sept. 3.
Fruits, and vegetables, Fresh deciduous. R. A. Nemanick. 423,581; Sept. 3; Serial No. 493,018; published June 4, 1946.
Fruits, fresh deciduous fruits, fresh berries, etc., Fresh citrous. American Fruit Growers Incorporated. 216,169; renewed Aug. 3, 1946. O. G. Sept. 3.
Grapefruit, marinated herring, brussels sprouts, etc., Fresh. Durand-McNeil-Horner Co. 213,912; renewed June 8, 1946. O. G. Sept. 3.
Lards and meats, Leaf. Kroger Grocery & Baking Co. 211,820; renewed Apr. 20, 1946. O. G. Sept. 3.
Milk, cream, buttermilk, etc., Fresh. Southern Dairies, Inc. 423,445; Sept. 3; Serial No. 479,998; published June 4, 1946.
Nut margarine. Armour and Company. 211,292; renewed Apr. 6, 1946. O. G. Sept. 3.
Oils, Cooking and salad. Central Wholesale Grocers, Inc. 423,496; Sept. 3; Serial No. 488,571; published June 4, 1946.
Pastes, Alimentary. F. Pepe Macaroni Co. Inc. 218,570; renewed Sept. 28, 1946. O. G. Sept. 3.
Pastes, Alimentary. F. Pepe Macaroni Co. Inc. 218,587; renewed Sept. 28, 1946. O. G. Sept. 3.
Poultry, Frozen. David J. Joseph Company. 423,623; Sept. 3; Serial No. 494,450; published June 4, 1946.
Rice, Clean milled. Southern Rice Sales Company Inc. 423,450; Sept. 3; Serial No. 482,445; published July 17, 1945.
Salad dressing. Bastis Importing Company, Inc. 423,649; Sept. 3.
Spinach and fresh sliced and shredded mixed vegetables, Fresh whole. Aunt Mid Company. 423,507; Sept. 3; Serial No. 489,785; published June 4, 1946.
Vegetables, Fresh. F. W. Rush. 423,427; Sept. 3; Serial No 465,929; published Jan. 22, 1946.
Wafers, Ham. Consolidated Biscuit Company. 423,654; Sept. 3.

CLASS 50

Shoe lasts, animal traps, rat traps, etc. Abraham & Straus, Inc. 218,664; renewed Sept. 28, 1946. O. G. Sept. 3.
Statues of humans, animal figures, religious figures, etc. Geo. Borgfeldt Corporation. 423,548; Sept. 3; Serial No. 491,623; published June 4, 1946.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Clay, Murray G., Chicago, Ill. Crane controlling system. Re. 22,785; Sept. 3.
Goldsby, Arthur R., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Manufacture of high antiknock hydrocarbons. Re. 22,786; Sept. 3.
International Harvester Company, assignee: *See*—
Scarlett, Arthur A.
Scarlett, Arthur A., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Plow. 22,787; Sept. 3.
Shell Development Company, assignee: *See*—
Van Dijck, Willem J. D.
Texas Company, The, assignee: *See*—
Goldsby, Arthur R.
Van Dijck, Willem J. D., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Extraction process. Re. 22,788; Sept. 3.

LIST OF DESIGN PATENTEES

Adler, Benjamin H., Chicago, Ill. Steak platter or similar article. 145,500; Sept. 3.
Altman, Irving, New York, N. Y. Game board. 145,501; Sept. 3.
Associated Card and Stationery Company, assignee: *See*—
Little, Sara.
Auchard, Dwight M., Vallejo, Calif. Push toy. 145,502; Sept. 3.
Badgley, Charles H., East Cleveland, Ohio. Hand line holder. 145,503; Sept. 3.
Beder, Samuel L., New York, N. Y. Pounding toy. 145,504; Sept. 3.
Beidelman, Alvin H., Jr., Naperville, Ill. Hand truck. 145,505; Sept. 3.
Brinkman, Paul, Los Angeles, Calif. Radio receiver. 145,508; Sept. 3.
Buckingham, John D., assignor to Lucien LeLong, Inc., Chicago, Ill. Lipstick holder. 145,506; Sept. 3.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 145,507; Sept. 3.
Clink, Mary M., Los Angeles, Calif. Reel support. 145,509; Sept. 3.
Clist, Albert D., Purdy, N. Y. Scatter rug or similar article of manufacture. 145,510; Sept. 3.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Darvie, Bernard, New York, N. Y. Brooch or similar article. 145,511; Sept. 3.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,512; Sept. 3.
Dodegge, Carl., Maywood, assignor to Harry L. Lieberman, doing business as Lakewood Mfg. Co., Chicago, Ill. Toy vehicle. 145,513; Sept. 3.
Duke, Ronald K., Los Angeles, Calif. Hand stamp. 145,514; Sept. 3.
Eastman Machine Company, assignee: *See*—
Hilgeman, Carl F.
Eckert, Adolph E., Spring Lake, Mich. Combined coin storage and display cabinet. 145,515; Sept. 3.
Esh, Barnett, New York, N. Y., assignor to Weisfield & Goldberg, Inc., Seattle, Wash. Finger ring. 145,516; Sept. 3.
Field, Wilson J.: *See*—
McLellan, Roderick I., and Field.
Finkelstein, Nathan, New York, N. Y. Jacket. 145,517; Sept. 3.
Glasco, Lowell M., Dallas, Tex. Carrousel. 145,518; Sept. 3.
Hart, Amplis O.: *See*—
Hart, Claybourne W. and A. O.
Hart, Claybourne W., and A. O. Hart, Chicago, Ill. Table or similar article. 145,519; Sept. 3.
Hart, Claybourne W., and A. O. Hart, Chicago, Ill. Table or similar article. 145,520; Sept. 3.
Harvey Machine Co., Inc., assignee: *See*—
Orkin, Samuel.
Hasche, Carl H., Los Angeles, Calif. Portable bar or similar article. 145,521; Sept. 3.
Hilgeman, Carl F., assignor to Eastman Machine Company, Buffalo, N. Y. Motor driven actuator for movable parts of an airplane or the like. 145,522; Sept. 3.
Hodil, Kenneth A., assignor of forty percent to Fred G. Reimolds, Pittsburgh, Pa. Condiment shaker or similar article. 145,523; Sept. 3.
Hoffman, Otto, Portland, Oreg. Trowel. 145,524; Sept. 3.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,525; Sept. 3.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,526; Sept. 3.
Lakewood Mfg. Co.: *See*—
Dodegge, Carl.
Lewis, Paul M., assignor to Sky-Hook Co., Los Angeles, Calif. Descent retarder. 145,527; Sept. 3.
Lieberman, Harry L., assignee: *See*—
Dodegge, Carl.
Little, Sara, New York, N. Y., assignor to Associated Card and Stationery Company. Sheet of writing paper. 145,528; Sept. 3.
Lucien Lelong, Inc., assignee: *See*—
Buckingham, John D.
Mandolf, Henry I., San Diego, Calif. Fishing reel. 145,529; Sept. 3.
McLellan, E. W., Co., assignee: *See*—
McLellan, Roderick I., and Field.
McLellan, Roderick I., San Francisco, and W. J. Field, Orinda, assignors to E. W. McLellan Co., San Francisco, Calif. Flower container. 145,530; Sept. 3.
McMullen, Lauriea C.: *See*—
Post, Harold P., and McMullen.
Meyercord Co., The, assignee: *See*—
Westrate, Ada.
Millard, Morris, New York, N. Y. Lady's suit. 145,531; Sept. 3.
Nineteen Hundred Corporation, assignee: *See*—
Sundberg, Carl W.
Orkin, Samuel, assignor to Harvey Machine Co., Inc., Los Angeles, Calif. Toy boat. 145,532; Sept. 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel Inc., New York, N. Y. Brooch or similar article. 145,533; Sept. 3.
Post, Harold P., Hartford, and L. C. McMullen, West Hartford, Conn. Automobile body. 145,534; Sept. 3.
Ralston, Robert P., Columbus, Ohio. Chair. 145,535; Sept. 3.
Redman, Harry, New York, N. Y. Suit. 145,536; Sept. 3.
Redman, Harry, New York, N. Y. Coat. 145,537; Sept. 3.
Reimolds, Fred G., assignee: *See*—
Hodil, Kenneth A.
Richards, Harper, Chicago, Ill., assignor to Rilling Company, Minneapolis, Minn. Spray nozzle. 145,538; Sept. 3.
Rilling Company, assignee: *See*—
Richards, Harper.
Rudolph, Frederic C.: *See*—
Watts, Roy T., and Rudolph.
Sky, Bernard, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada. Table. 145,539; Sept. 3.
Sky, Bernard, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada. Table. 145,540; Sept. 3.
Sky, Bernard, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada. Settee. 145,541; Sept. 3.
Sky, Bernard, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada. Table. 145,542; Sept. 3.
Sky-Hook Co., assignee: *See*—
Lewis, Paul M.
Skyline Moulded Furniture Company Limited, assignee: *See*—
Sky, Bernard.
Sundberg, Carl W., Detroit, assignor to Nineteen Hundred Corporation. St. Joseph, Mich. Combined washing machine and wringer or similar article. 145,543; Sept. 3.
Swartzbaugh, Jason B., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric heater. 145,544; Sept. 3.
Swartzbaugh Manufacturing Company, The, assignee: *See*—
Swartzbaugh, Jason B.

Thompson, Enrique R., El Paso, Tex. Airplane. 145,545; Sept. 3.
Trifari, Krussman & Fishel Inc., assignee: *See*— Philippe, Alfred.
Victor Metal Products Corporation, assignee: *See*— Derham, Philip A.
Watts, Roy T., New York, and F. C. Rudolph, Jackson Heights, N. Y. Pressure cooker. 145,546; Sept. 3.
Weisfield & Goldberg, Inc., assignee: *See*— Esh, Barnett.
Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,547; Sept. 3.
Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,548; Sept. 3.
Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,549; Sept. 3.
Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,550; Sept. 3.
Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,551; Sept. 3.
Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,552; Sept. 3.
Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,553; Sept. 3.
Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,554; Sept. 3.
York, Percy J., Tampa, Fla. Whatnot shelf unit. 145,555; Sept. 3.
Zenith Radio Corp., assignee: *See*— Budiong, Robert D.
Ziniti, Evelyn, New York, N. Y. Shoe or similar article. 145,556; Sept. 3.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acheson, Louis K., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,406,733; Sept. 3.
Adelson, David E., Berkeley, and H. Dannenberg, assignors to Shell Development Company, San Francisco, Calif. Stabilization of resins resulting from polymerization of an isopropenyl ketone. 2,407,051; Sept. 3.
Aerojet Engineering Corporation, assignee: *See*— Summerfield, Martin.
Aktiebolaget Vibro-Betong, assignee: *See*— Lindkvist, Knut V.
Alford, Andrew, New York, N. Y., assignor to Federal Telephone & Radio Corporation. Glide path beacon. 2,406,734; Sept. 3.
Alford, Andrew, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Multisignal radiating system. 2,406,735; Sept. 3.
Alien Property Custodian: *See*—
Daur, Theodor, and Daniel.
Hildebrand, Paul, and Metz.
Külz, Fritz.
Orlich, Peter, Negel, and Hartz.
Weston, Herbert.
Allen, Herbert, and R. N. Bean, assignors to Cameron Iron Works, Houston, Tex. Flow wing. 2,407,050; Sept. 3.
Allied Chemical & Dye Corporation, assignee: *See*— Sievenpiper, Frederic.
Allison Company, The, assignee: *See*— Allison, Hugh V.
Allison, Hugh V., Fairfield, assignor to The Allison Company, Bridgeport, Conn. Press. 2,407,123; Sept. 3.
Almgren, August E., Hillside, N. J., assignor to American Can Company, New York, N. Y. Overcap applying machine. 2,406,784; Sept. 3.
American Bitumuls Company, assignee: *See*— Fratis, Joseph E., and Oakley.
American Can Company, assignee: *See*— Almgren, August E.
American Cyanamid Company, assignee: *See*— Cole, Quintin P., and Roblin.
English, Jackson P., Vaughan, and Roblin.
Kaiser, Donald W., and Thurston.
Roblin, Richard O., Jr. and Winnek.
American Optical Company, assignee: *See*— Bardwell, Ralph F., and Smith.
American Steel Foundries, assignee: *See*— Watts, Raymond.
American Viscose Corporation, assignee: *See*— Smith, Robert A.
Spalding, John E., and Wicker.
Anderson, Eric M., Sr.: *See*— Anderson, Peter A. and E. M., Sr., Hansen, and Edwards.
Anderson, John W., Gary, Ind. Razor. 2,406,983; Sept. 3.
Anderson, John W., Gary, Ind. Handle for safety razors. 2,406,984; Sept. 3.
Anderson, John W., Gary, Ind. Razor. 2,406,985; Sept. 3.
Anderson, Peter A., Portland, E. M. Anderson, Sr., Westbrook, E. W. Hansen, Bangor, and J. H. Edwards, assignors to Utilities Distributors, Inc., Portland, Maine. Casing for truck and freight car heaters. 2,407,124; Sept. 3.
Anderson, Reuben B., St. Paul, Minn. Hair clipper. 2,406,986; Sept. 3.
Anderson, Roger, Seattle, Wash. Fracture splint. 2,406,987; Sept. 3.
Asher, William J., Colorado Springs, Colo. Laundry machine. 2,407,125; Sept. 3.
Ashlock, George W., Jr., Oakland, Calif. Pitting machine. 2,406,736; Sept. 3.
Ashlock, George W., Jr., Oakland, Calif. Pitting fruit. 2,407,126; Sept. 3.
Aspin, Frank M., Bury, England. Driving means for rotary valves of internal-combustion engines, compressors and the like. 2,407,127; Sept. 3.
Atlantic Coast Fisheries Company, The, assignee: *See*— Savrda, Charles M.
Atlantic Refining Company, The, assignee: *See*— Griesinger, William K.
Atlas Powder Company, assignee: *See*— Bonner, Rowland E., and Brewster.
Griffin, William C.
Atwood, Norman R., St. Johnsbury, Vt. Binder for containing a textbook and note sheets. 2,406,785; Sept. 3.
Aukland, Olav, New York, N. Y. Adjustable staging. 2,406,786; Sept. 3.
Austin, Ellsworth W.: *See*— Choate, Roy E., and Austin.
Automatic Electric Laboratories, Inc., assignee: *See*— Gillings, Charles, Beale, and Terroni.
Avery, W. & T., Limited, assignee: *See*— Page, Alfred E.
Aviation Corporation, The, assignee: *See*— Tyler, John M., and Hoffman.
Axnix, Eugene J., assignor of fifteen percent to Dan Preger, fifteen percent to David Preger, and fifteen percent to E. Kuzmich, South Bend, Ind. Mail box. 2,407,128; Sept. 3.
Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,406,787; Sept. 3.
Bailey, William A., Jr., and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Gasoline and the production thereof. 2,407,052; Sept. 3.
Barcus, Anthony P., assignor to General Motors Corporation, Dayton, Ohio. Clothes wringer. 2,406,788; Sept. 3.
Bardwell, Ralph F., Southbridge, and J. H. Smith, Taunton, assignors to American Optical Company, Southbridge, Mass. Abrading machine. 2,406,789; Sept. 3.
Barnet Ensign Limited, assignee: *See*— Hunter, Douglas G.
Barr & Stroud, Limited, assignee: *See*— Strang, John M., and Foster.
Basic Refractories, Inc., assignee: *See*— Schoenlaub, Robert A.
Bateman, Amos W.: *See*— Gittings, William N., and Bateman.
Beale, Charles E.: *See*— Gillings, Charles, Beale, and Terroni.
Bean, Ruric N.: *See*— Allen, Herbert, and Bean.
Beatty, William A., and L. W. Houghton, London, England, assignors to International Standard Electric Corporation. System for the electric transmission of sound and other waves. 2,406,790; Sept. 3.
Bedford, Alda V.: *See*— Wendt, Karl R., and Bedford.
Bedingfield, Wade R., assignee: *See*— Colley, George F.
Beech-Nut Packing Company, assignee: *See*— McBean, Douglas M.
Belada, John, Glassboro, N. J., assignor to Owens-Illinois Glass Company. Filing machine. 2,407,053; Sept. 3.
Belcher, Daniel, assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Closing bag tube ends. 2,406,791; Sept. 3.
Bell Telephone Laboratories, Incorporated, assignee: *See*— Bacon, Walter M.
Bies, Frank R.
Elmer, Lloyd A., and Lovell.
French, Norman R.
Holden, William H. T.
Muller, Arno H.
Pierce, John R.
Belmont Body Builders, assignee: *See*— Winarsky, Nathan and B.
Bemis Bro. Bag Co., assignee: *See*— Belcher, Daniel.
Bendix Aviation Corporation, assignee: *See*— Buxton, James E.
Jones, Burr W.
Whitney, Maurice P., Buxton, and Miller.
Wood, Louvan E.
Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Piezoelectric oscillator. 2,406,792; Sept. 3.
Benkoe, Erwin, assignee: *See*— Benkoe, Ivan.
Benkoe, Ivan, London, N. W. 3, England, assignor to E. Benkow, Bronx, N. Y. Device for measuring changes of distance between two relatively movable parts. 2,406,793; Sept. 3.
Benning, Anthony F., Woodstown, F. B. Downing, Carney's Point, N. J., and J. D. Park, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Separating pyrolysis products of chlorodifluoromethane. 2,406,794; Sept. 3.
Benning, Anthony F., Woodstown, N. J., and J. D. Park, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Halogenation. 2,407,129; Sept. 3.
Bernardi, Dominic J., and R. T. Florence, Bronx, assignors to Interchemical Corporation, New York, N. Y. Lithographic printing ink. 2,406,795; Sept. 3.
Bernardin Bottle Cap Co., Inc., assignee: *See*— Hughes, Edward B.
Bies, Frank R., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,406,796; Sept. 3.
Binkley, Stephen B.: *See*— Pfiffner, Joseph J., Binkley, Bloom, and Emmett.
Bjorn, Theodore, assignee: *See*— Bramble, Donald E.

Blades, James, Barberton, Ohio, assignor to Kamen Soap Products Co., New York, N. Y. Making salt water soap. 2,407,130; Sept. 3.

Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picker for looms. 2,407,054; Sept. 3.

Blaw-Knox Company, assignee: *See*— West, Carl H.

Bloom, Edward S.: *See*— Pfiffner, Joseph J., Binkley, Bloom, and Emmett.

Boicey, James H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass glazing unit. 2,406,939; Sept. 3.

Bolt, John A.: *See*— Kruse, Willard E., Nysewander, and Bolt.

Bolton, James, New Bedford, Mass. Method of and apparatus for use in preparing weaving warps. 2,406,988; Sept. 3.

Bonner, Rowland E., Stamford, Conn., and M. D. Brewster, assignors to Atlas Powder Company, Wilmington, Del. Tack testing device. 2,406,989; Sept. 3.

Borden, George C., Jr., and K. R. Karlson, Easton, Pa., assignors to Riegel Paper Corporation, New York, N. Y. Antifungus wrapper, etc. 2,406,990; Sept. 3.

Boyce, Henrietta E., New York, N. Y. Gauntlet glove. 2,406,991; Sept. 3.

Bradner, Burke, assignor, by mesne assignments, to C. E. Threedy, Chicago, Ill., as trustee. File drawer follower. 2,407,055; Sept. 3.

Bramble, Donald E., assignor of one-half to T. Bjorn, Chicago, Ill. Trailer top. 2,406,737; Sept. 3.

Brandt, Automatic Cashier Company, assignee: *See*— Hoffman, Otis E., Quirk, and Spenger.

Bray, Frederick H.: *See*— Hartley, George C., Lowry, and Bray.

Brewster, Morris D.: *See*— Bonner, Rowland E., and Brewster.

Breyfogel, Albert W.: *See*— Haglund, Hakon H., and Breyfogel.

Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Pivot pin. 2,406,940; Sept. 3.

British Insulated Cables Limited, assignee: *See*— Mann, Walter N., and Lawrenson.

Brooks, John A., Detroit, Mich., assignor to Howard Foundry Company, Chicago, Ill. Combination valve structure. 2,406,941; Sept. 3.

Brooks, Walter: *See*— Seymour, George W., and Brooks.

Brophy, John J., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for use in stiffening uppers of shoes. 2,406,738; Sept. 3.

Brouwer, Benjamin W., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking shoe. 2,407,056; Sept. 3.

Brown, William T., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Frequency doubler. 2,406,739; Sept. 3.

Brunswick-Balke-Collender Company, The, assignee: *See*— Luth, Harold J., Scheidementel, and Krupnick.

Bruson, Herman A., and G. B. Butler, assignors to Röhm & Haas Company, Philadelphia, Pa. Plastics. 2,407,131; Sept. 3.

Buckbee, John A., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Keystone correction apparatus. 2,406,740; Sept. 3.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle driving mechanism. 2,406,797; Sept. 3.

Buckeye Steel Castings Company, The, assignee: *See*— Stertzbach, Harry W.

Buckley, Charles W.: *See*— Tear, James D., and Buckley.

Budd Company, The, assignee: *See*— Ledwinka, Joseph, and Trauvetter. Trauvetter, George.

Buick, Wynton R.: *See*— Udale, Stanley M., and Buick.

Burroughs, Gordon S., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,406,798; Sept. 3.

Busignies, Henri G.: *See*— Deloraine, Edmond M., Busignies, and de Rosa.

Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Distortion corrective arrangement. 2,406,799; Sept. 3.

Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Direction finder with filter. 2,406,800; Sept. 3.

Butler, Bernard J., San Francisco, Calif., assignor to Maui Pineapple Company, Ltd., Honolulu, Territory of Hawaii. Method and apparatus for loading and storing pineapples. 2,406,992; Sept. 3.

Butler, George B.: *See*— Bruson, Herman A., and Butler.

Buttner, Horace J., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Sealed doors. 2,406,942; Sept. 3.

Buxton, James E.: *See*— Whitney, Maurice P., Buxton, and Miller.

Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,407,132; Sept. 3.

Byers, William B., Kansas City, Mo. Making insulating blankets. 2,406,801; Sept. 3.

Calhoun, John M.: *See*— Swan, Donald R., and Calhoun.

Cameron Iron Works, assignee: *See*— Allen, Herbert, and Bean.

Carbide and Carbon Chemicals Corporation, assignee: *See*— Carruthers, Thomas F. Wilkes, Benjamin G.

Carruthers, Thomas F., SouthCharleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. 2-ethylhexyl phosphates. 2,406,802; Sept. 3.

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna system. 2,407,057; Sept. 3.

Carter, Shirley J., Hayward, Calif., assignor to Titeflex, Inc. Forming corrugated tube from a strip. 2,406,943; Sept. 3.

Cashman, Aloysius F.: *See*— Lieber, Eugene, and Cashman.

Celanese Corporation of America, assignee: *See*— Seymour, George W., and Brooks.

Cerf, Robert C., assignor to Pacific Plastic and Manufacturing Company, Los Angeles, Calif. Door latch. 2,407,133; Sept. 3.

Certain-Teed Products Corporation, assignee: *See*— Gardner, Harry F.

Chandler-Evans Corporation, assignee: *See*— Chandler, Milton E. Lockwood, Harry A.

Chandler, Milton E., New Britain, Conn., assignor to Chandler-Evans Corporation. Anticorrosion plug. 2,406,993; Sept. 3.

Chandler, Milton E., New Britain, assignor to Chandler-Evans Corporation, South Meriden, Conn. Engine signal apparatus. 2,407,134; Sept. 3.

Chantermerle, Pierre: *See*— Wittkuhns, Bruno A., and Chantemerle.

Chatterjea, Prafulla K., and L. W. Houghton, London, W. C. 2, assignors to Standard Telephones and Cables Limited, London, England. High frequency electrical communication system. 2,406,803; Sept. 3.

Chatterjea, Prafulla K., and C. T. Scully, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Negative resistance device for generating oscillations or reducing damping. 2,406,804; Sept. 3.

Chemical Construction Corporation, assignee: *See*— Mohr, Albert C. Schideler, Pierre, and Richardson. Titlestad, Nicolay.

Chemical Foundation, Incorporated, The, assignee, trustee: *See*— Hixson, Arthur W., and Miller.

Chesus, Frank O.: *See*— Richardson, Avery G., and Chesus.

Chicago Metallic Manufacturing Company, assignee: *See*— Langel, Adrien L.

Choate, Roy E., and E. W. Austin, assignors to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Vehicle. 2,406,944; Sept. 3.

Chu, Helga M.: *See*— Chu, Hing F. and H. M.

Chu, Hing F. and H. M., Larchmont, N. Y. Alternating cloth doll and constructing same. 2,406,994; Sept. 3.

Clark, Horace N., Bound Brook, N. J., assignor to Refractory & Insulation Corporation, New York, N. Y. Furnace lining. 2,407,135; Sept. 3.

Clark, Trevor H., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Conductor joint and making same. 2,406,805; Sept. 3.

Clarke, Carole A., Glen Ridge, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Rectifier. 2,406,806; Sept. 3.

Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,407,136; Sept. 3.

Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,407,137; Sept. 3.

Clayton, Benjamin, assignee: *See*— Thurman, Benjamin H.

Clifford, Albert M., and J. G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio. Chemical compounds and preppration thereof. 2,407,138; Sept. 3.

Clothier, William C., B. Naylor, and J. E. P. Dunning, Farnborough, Hants, England, assignors to The Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Ireland, London, England. System for producing regulated liquid pressures. 2,407,139; Sept. 3.

Clum, Henry W., Upper Darby, assignor to Philco Corporation, Philadelphia, Pa. Freezing apparatus. 2,407,058; Sept. 3.

Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Electric microgauge system. 2,407,140; Sept. 3.

Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Electric microgauge system. 2,407,141; Sept. 3.

Coates, George O., Washington, D. C. Antiskid chain. 2,406,995; Sept. 3.

Colbath, Dan L., Schenectady, N. Y., assignor to General Electric Company. Sighting apparatus. 2,406,807; Sept. 3.

Cole Industries, Inc., assignee: *See*— Cole, Louis W., and Jensen.

Cole, Louis W., New York, and H. Jensen, Flushing, N. Y., assignors to Cole Industries, Inc., Long Island City, N. Y. Bus duct. 2,407,142; Sept. 3.

Cole, Quintin P., and R. O. Roblin, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. α-amino-α-alkoxybutyric acids and method of preparing the same. 2,407,203; Sept. 3.

Colley, George F., assignor to W. R. Bedingfield, Augusta, Ga. Tire removing apparatus. 2,406,996; Sept. 3.

Columbia Broadcasting System, Inc., assignee: *See*— Goldmark, Peter C.

Compton, Walter A., and R. S. Nicholls, assignors to Miles Laboratories, Inc., Elkhart, Ind. Vitamin B-complex tablet. 2,406,741; Sept. 3.

Conner, Guy O., Wheeling, W. Va. Forming machine. 2,406,808; Sept. 3.

Consolidated Vultee Aircraft Corporation, assignee: *See*— Rethorst, Scott.

Continental Can Company, Inc., assignee: *See*— Gazette, Marshall E. O'Brien, Frank J. Palmer, Wilson G. Punte, William F. Schrader, Herbert.

Cooper, Dexter P., Jr., assignor to Polaroid Corporation, Cambridge, Mass. Mold for use in the manufacture of optical elements. 2,406,742; Sept. 3.

Corcoran, Josephine C., assignee: *See*— Nunn, Elizabeth T.

Cottrell, C. B., & Sons Company, assignee: *See*— Luehrs, Hans J.

Crafton, Henry H., Baden, assignor to H. H. Robertson Company, Pittsburgh, Pa. Portable launching and landing mat for airplanes. 2,407,059; Sept. 3.

Creamery Package Mfg. Company, The, assignee: *See*— Farrall, Arthur W.

Creed and Company Limited, assignee: *See*— Thompson, Alfred E., and Salmon.

Croft, Arthur, Rawdon, near Leeds, England. Friction clutch. 2,407,060; Sept. 3.

Crompton & Knowles Loom Works, assignee: *See*— Blanchard, William A. Brouwer, Benjamin W.

Crowson, Enoch E., Greenville, S. C. Reflected price tag or the like. 2,406,743; Sept. 3.

Cryar, Buford L., Albertville, Ala. Rotary cast cutter. 2,406,744; Sept. 3.

Curry, Harold E., Seattle, Wash. Atomizer. 2,406,997; Sept. 3.

Curtze, Max, Los Angeles, Calif., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Capping tubing. 2,406,745; Sept. 3.

Dahle, Joseph, West Newton, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Treating polyvinyl alcohol. 2,407,061; Sept. 3.

Daniel, Walter: *See*— Daur, Theodor, and Daniel.

Dannenbert, Hans: *See*— Adelson, David E., and Dannenberg.

Darrah, William A., Chicago, Ill., assignor to Owens-Illinois Glass Company. Apparatus for testing containers. 2,407,062; Sept. 3.

Daur, Theodor, Mannheim, and W. Daniel, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Adhesives and producing same. 2,407,143; Sept. 3.

Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Oil cup. 2,406,746; Sept. 3.

Davis, Ernest W., River Forest, Ill. Pneumatic motor. 2,406,747; Sept. 3.

Davis, John H., and R. W. Matthews, Aberdeen Proving Ground, Md., and N. G. McLean, Memphis, Tenn. Water-cooled ammunition rack. 2,406,809; Sept. 3.

Day, Roland B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbonaceous solids. 2,406,810; Sept. 3.

Deere & Company, assignee: *See*— Walz, Claude W., and Griff.

Delamere Company, Inc., assignee: *See*— Huppert, William.

Del Llano, Jose S., assignor of one-fourth to R. M. Ferrer, Habana, Cuba. Closure device for rendering bottles nonrefillable. 2,407,063; Sept. 3.

Deloraine, Edmond M., New York, H. G. Busignies, Forest Hills, and L. A. de Rosa, Staten Island, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Facsimile system. 2,406,811; Sept. 3.

Deloraine, Edmond M., New York, H. G. Busignies, Forest Hills, and L. A. de Rosa, Staten Island, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Facsimile system and method. 2,406,812; Sept. 3.

De Rosa, Louis A.: *See*— Deloraine, Edmond M., Busignies, and de Rosa.

De Rosa, Louis A., West Brighton, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Intelligence transmission system. 2,406,813; Sept. 3.

Dewey, Frederick L., Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,407,064; Sept. 3.

Dickinson, Norman L., Basking Ridge, N. J., assignor to Standard Oil Company, Chicago, Ill. Desalting of hydrocarbon oils. 2,406,748; Sept. 3.

Diehl, G. M., Machine Works, The, assignee: *See*— Frame, Clifton C.

Distillers Company Limited, The, assignee: *See*— Stanley, Herbert M.

Dittmar, Harry R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sizing composition and yarn sized therewith. 2,406,749; Sept. 3.

Donle, Harold P., deceased, New York, N. Y.; M. D. Jensen, administratrix, assignor of one-half to D. J. McCarthy. Ray projector. 2,407,065; Sept. 3.

Dorst, James A., U. S. Army, Geiger Field, Wash. Trestle bridge. 2,406,814; Sept. 3.

Dow Chemical Company, the, assignee: *See*— Savage, Albert B.

Downing, Frederick B.: *See*— Benning, A. F., Downing, and Park.

Dowty Equipment Limited, assignee: *See*— MacKenzie, Donald.

Du Bois, Joseph E., assignor of one-fifth to V. I. Du Bois, Detroit, Mich., one-fifth to L. T. Holzworth, North Tonawanda, one-fifth to R. C. Sterne, one-fifth to E. Silbert, and one-fifth to F. E. Taylor, Buffalo, N. Y. Eyeshield. 2,406,998; Sept. 3.

Du Bois, Virginia I., assignee, et al.: *See*— Du Bois, Joseph E.

Duesel, Bernard F.: *See*— Tisza, Edmond T., and Duesel.

Dunlop, Andrew P., Riverside, assignor to The Quaker Oats Company, Chicago, Ill. Manufacturing furoic acid and furoic acid salts. 2,407,066; Sept. 3.

Dunning, John E. P.: *See*— Clothier, William C., Naylor, and Dunning.

Du Pont, E. I. de Nemours & Company, assignee: *See*— Dittmar, Harry R. Fothergill, Robert E., Hill, and Johnson. Glogau, Richard C. Hitt, Otha A. Johnston, Frederick L. McQueen, David M. Neal, Arthur M., and Sturgis. Pollock, Frank S., Jr. Rothrock, Henry S. Scott, Samuel L. Smith, Joseph E.

Durgin, Franklin W., Washington, D. C. Continuous range finder. 2,406,999; Sept. 3.

Dyett, James H., assignor to Hard Manufacturing Company, Buffalo, N. Y. Toilet or the like cabinet. 2,406,750; Sept. 3.

Eastman Kodak Company, assignee: *See*— Luboshez, Benjamin E. Salminen, Ilmari F., and Weissberger. Sherwood, William T. Swan, Donald R., and Calhoun. Weissberger, Arnold, Kibler, and Vittum. Yule, John A. C.

Edison, Thomas A., Incorporated, assignee: *See*— Gardenier, Clyde B. Snavely, Earl R.

Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Resilient drive gearing. 2,407,144; Sept. 3.

Edwards, John H.: *See*— Anderson, Peter A. and E. M., Sr., Hansen, and Edwards.

Eisemann Corporation, assignee: *See*— Tabb, Warner T.

Electric Tachometer Corporation, The, assignee: *See*— Hamilton, Sam.

Electrical Products Corporation, assignee: *See*— Owen, Harold R.

Elfving, Thore M., Nockeby, Sweden. Multilayer insulation. 2,406,815; Sept. 3.

Elmer, Lloyd A., Summit, and C. A. Lovell, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording projectile. 2,406,816; Sept. 3.

Elwin, Charles T., assignor to Scovill Manufacturing Company, Waterbury, Conn. Handling small articles in electrolytic treatment. 2,407,145; Sept. 3.

Emerson, Kenneth H., assignor, by mesne assignments, to Philco Radio Corporation, Philadelphia, Pa. Demonstration apparatus. 2,406,751; Sept. 3.

Emmett, Arthur D.: *See*— Pfiffner, Joseph J., Binkley, Bloom, and Emmett.

Emsco Derrick & Equipment Company, assignee: *See*— Tremolada, Guglielmo R.

Engemann, Herbert H., Cleveland Heights, Ohio. Hammer slot and floating pin assembly for automatic push rods. 2,406,817; Sept. 3.

English, Jackson P., Stamford, J. R. Vaughan, Jr., Greenwich, and R. O. Roblin, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Triazolo (d) pyrimidines and methods of preparing the same. 2,407,204; Sept. 3.

Erb, George H., South Orange, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Rotary switch. 2,406,818; Sept. 3.

Erminger, Durward B., Maywood, Ill., assignor to International Harvester Company. Service inspection manual. 2,407,067; Sept. 3.

Eskin, Samuel G., and C. K. Strobel, Pittsburgh, assignors to Robertshaw Thermostat Company, Youngwood, Pa. Safety control for gaseous fuel burners. 2,406,752; Sept. 3.

Evans, John, Palmyra, N. J., assignor to Radio Corporation of America. Radio device for indicating doppler effect. 2,407,000; Sept. 3.

Fagan, Christopher P., Danbury, England, assignor to Radio Corporation of America. Coating surfaces with powder. 2,407,146; Sept. 3.

Farnsworth Television and Radio Corporation, assignee: *See*—
Brown, William T.
Buckbee, John A.

Farrall, Arthur W., Wilmette, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Butter manufacture. 2,406,819; Sept. 3.

Federal Telephone & Radio Corporation, assignee: *See*—
Alford, Andrew.
Burroughs, Gordon S.
Clark, Trevor H.
Clarke, Carole A.
Deloraine, Edmond M., Busignies, and de Rosa.
De Rosa, Louis A.
Erb, George H.
Herbst, John A.
Labin, Emile, and Nye.
Relf, Reginald T.
Richardson, Avery G., and Chesus.
Watts, Chester B., Jr.
Young, Norman H., Jr.

Fedotoff, Nicholas V., Lynbrook, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Adjustable transmission line. 2,407,147; Sept. 3.

Fell, William F., Merchantville, N. J., assignor to Radio Corporation of America. Insulator for concentric transmission lines. 2,406,945; Sept. 3.

Ferrer, Ricardo M., assignee: *See*—
Del Llano, Jose S.

Ferris, Warren R.: *See*—
Kilgore, George R., Ferris, and Shulman.

Finke, D. H., assignee: *See*—
Noonan, John.

Firearms Research Corporation, assignee: *See*—
Hyde, George J.

Firestone, Floyd A., Ann Arbor, Mich. Music teaching device. 2,406,946; Sept. 3.

Fisher, Harmon F., Palo Alto, and A. C. Peck, Los Altos, Calif., assignors, by mesne assignments, to The Permanente Metals Corporation. Removing suspended matter from suspensions. 2,406,820; Sept. 3.

Fiske, Milan D., Schenectady, N. Y., assignor to General Electric Company. Dielectric wave guide system. 2,407,069; Sept. 3.

Fiske, Milan D., Schenectady, and J. M. Lafferty, Colonie, N. Y., assignors to General Electric Company. Wave transmitting system. 2,407,068; Sept. 3.

Fitzgerald, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole pressing machine. 2,406,753; Sept. 3.

Florence, Robert T.: *See*—
Bernardi, Dominic J., and Florence.

Forbes, Joseph A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,406,754; Sept. 3.

Ford Instrument Company, Inc., assignee: *See*—
Tear, James D., and Buckley.

Ford Motor Company, assignee: *See*—
Wharam, John J., and Pinardi.

Foster, Claud: *See*—
Strang, John M., and Foster.

Fothergill, Robert E., J. W. Hill, and A. A. Johnson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified cellulose ester fibers. 2,406,755; Sept. 3.

Fox, Martin, Dansville, N. Y. Beverage bottle carrier. 2,406,756; Sept. 3.

Fox, Vernie A., Detroit, Mich. Heat processing machine. 2,406,821; Sept. 3.

Fox, Vernie A., Detroit, Mich. Control system and mechanism for heat processing machines. 2,406,822; Sept. 3.

Frame, Clifton C., assignor to The G. M. Diehl Machine Works, Wabash, Ind. Core splicer. 2,407,070; Sept. 3.

Fratis, Joseph E., Berkeley, and E. H. Oakley, El Cerrito, assignors to American Bitumuls Company, San Francisco, Calif. Bituminous emulsions. 2,406,823; Sept. 3.

Fremlin, John H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge apparatus. 2,406,824; Sept. 3.

French, Henry C., Elm Grove, and N. V. Kuehlman, assignors to The Heil Co., Milwaukee, Wis. Scraper. 2,406,826; Sept. 3.

French, Norman R., Pleasantville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Privacy system for speech transmission. 2,406,825; Sept. 3.

Gabriel Steel Company, assignee: *See*—
Zabriskie, William F.

Garcia, Ivan M. A., Bremerton, Wash. Sewing machine. 2,407,148; Sept. 3.

Gardenier, Clyde B., Belleville, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Stabilized 2-chlor-butene-2. 2,407,149; Sept. 3.

Gardner, Harry F., Highland Park, Ill., assignor to Certain-Teed Products Corporation, New York, N. Y. Set stabilized plaster. 2,406,757; Sept. 3.

Gazette, Marshall E., Boston, Mass., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Containers made of paper, and making the same. 2,406,758; Sept. 3.

General Aircraft Limited, assignee: *See*—
Leather, George B., and Wallbanks.

General Electric Company, assignee: *See*—
Colbath, Dan L.
Fiske, Milan D.
Fiske, Milan D., and Lafferty.
Gittings, William N., and Bateman.
Grimshaw, Charles S.
Gurewitsch, Anatole M.
Harkness, Joseph R.
Johnson, Ralph P., and Grams.
Lavender, Raymond W.
Moore, John R.
Novak, Robert L.
Richardson, Ernest L.
Spencer, Richard O.
Warner, Wilbur W.
Winter, Fred H.

General Motors Corporation, assignee: *See*—
Barcus, Anthony P.
Brill, William E.
Butner, Horace J.
Matthews, Carroll F.
Trisler, Milton A.

Gill, Lowell O., and J. W. McDonald, assignors to A. E. Staley Manufacturing Co., Decatur, Ill. Thick pasting starch and method. 2,407,071; Sept. 30.

Gillings, Charles, C. E. Beale, and T. B. D. Terroni, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc. Telephone or like signaling system. 2,407,150; Sept. 3.

Gittings, William N., Oakmont, and A. W. Bateman, Yeadon, Pa., assignors to General Electric Company. Electric control system. 2,407,072; Sept. 3.

Glogau, Richard C., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive composition. 2,407,151; Sept. 3.

Glukes, Bernard R., assignor to The Kinney Company, Los Angeles, Calif. Construction toy. 2,406,759; Sept. 3.

Goldmark, Peter C., assignor to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,406,760; Sept. 3.

Golkowski, Floyd F., Cleveland, Ohio. Insect excluding sliding windows. 2,406,761; Sept. 3.

Goodchild, Frank D., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Electron discharge device. 2,406,827; Sept. 3.

Gorton, Paul T., Grosse Pointe, assignor of fifty per cent to H. S. Pierce, Detroit, Mich. Alarm device for automobiles. 2,407,073; Sept. 3.

Goss Printing Press Company, The, assignee: *See*—
Taylor, Auburn, and Worthington.

Government of the United Kingdom of Great Britain and Northern Ireland, The Minister of Supply in His Majesty's, assignee: *See*—
Clothier, William C., Naylor, and Dunning.

Grams, William R.: *See*—
Johnson, Ralph P., and Grams.

Gray, Alvin E.: *See*—
Platt, Donald R., and Gray.

Green, Ernest, Chelmsford, England, assignor to Radio Corporation of America. Feed-back control arrangement for coupled tuned circuits. 2,407,074; Sept. 3.

Greensfelder, Bernard S.: *See*—
Bailey, William A., Jr., and Greensfelder.

Grey, David S., assignor to Polaroid Corporation, Cambridge, Mass. Optical system. 2,406,762; Sept. 3.

Griesinger, William K., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Purification of oil-soluble sulphonates. 2,406,763; Sept. 3.

Griff, Robert D.: *See*—
Walz, Claude W., and Griff.

Griffin, William C., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Sugar derivatives. 2,407,001; Sept. 3.

Griffin, William C., Newport, assignor to Atlas Powder Company, Wilmington, Del. Glycol glucosides and derivatives thereof. 2,407,002; Sept. 3.

Griffin, William C., Newport, assignor to Atlas Powder Company, Wilmington, Del. Emulsifying agents produced from glycol glucosides and their production. 2,407,003; Sept. 3.

Grimshaw, Charles S., Scotia, N. Y., assignor to General Electric Company. Optical sighting apparatus. 2,406,828; Sept. 3.

Guignon, Emile S., Jr., Kansas City, Mo. Sectional building. 2,407,004; Sept. 3.

Guillemin, Victor, Jr., Dayton, Ohio. Automatic graph drawing recorder. 2,406,764; Sept. 3.

Gulf Research & Development Company, assignee: *See*—
Vacquier, Victor V.

Gump, B. F., Co., assignee: *See*—
Williams, Ralph E., and Nowak.

Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency power measurement. 2,407,075; Sept. 3.

Hasse, Jorgen L., assignor to Wingfoot Corporation, Akron, Ohio. Building pneumatic tires. 2,407,152; Sept. 3.

Haglund, Hakon H., Pelham, and A. W. Breyfogel, Howard Beach, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph system. 2,406,829; Sept. 3.

Haley, Joe B., Houston, Tex. Attachment for toilets. 2,407,005; Sept. 3.

Hall, Homer J.: *See*—
Tongberg, Carl O., and Hall.

Haman, Howard H., and C. E. Whalen, assignors to The Warren Featherbone Co., Three Oaks, Mich. Sealing together two pieces of waterproof fabric, and the seam formed thereby. 2,406,830; Sept. 3.

Hamilton, Sam, Ardmore, assignor to The Electric Tachometer Corporation, Philadelphia, Pa. Speed indicator transmission. 2,407,077; Sept. 3.

Hanna, Atto N., Atlantic Highlands, N. J. Key holder. 2,407,153; Sept. 3.

Hansen, Earl W.: *See*—
Anderson, Peter A. and E. M., Sr., Hansen, and Edwards.

Hansen, Jack, Everett, Wash. Can punching device. 2,406,831; Sept. 3.

Hard Manufacturing Company, assignee: *See*—
Dyett, James H.

Hardinge, Mervyn G., Loma Linda, Calif. Fracture plate. 2,406,832; Sept. 3.

Harkness, Joseph R., Schenectady, N. Y., assignor to General Electric Company. Fluid-tight radio shielded joint. 2,407,076; Sept. 3.

Harlamoff, Anatol J., South Gate, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Centrifugal pump. 2,406,947; Sept. 3.

Harris, Henry C., Pittsburg, Tex. Buster gang plow. 2,407,006; Sept. 3.

Harris-Seybold Company, assignee: *See*—
Harrold, Charles W.
Woodruff, Arthur B.

Harrison, Bertram M., Wellesley Hills, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling. 2,406,833; Sept. 3.

Harrold, Charles W., University Heights, Ohio, assignor to Harris-Seybold Company. Sheet feeder. 2,406,765; Sept. 3.

Harrold, Charles W., Cleveland, Ohio, assignor to Harris-Seybold Company. Sheet feeder. 2,406,766; Sept. 3.

Hartley, George C., L. P. Lowry, and F. H. Bray, assignors to Standard Telephones and Cables Limited, London, England. Arrangement for receiving predetermined trains of electric impulses. 2,406,834; Sept. 3.

Hartz, Hans: *See*—
Orlich, Peter, Negel, and Hartz.

Hayes, Harvey C., Washington, D. C. Directive transceiver for sound. 2,406,767; Sept. 3.

Hazeltine Research, Inc., assignee: *See*—
Fedotoff, Nicholas V.
Lewis, Harold M.
Loughren, Arthur V.

Heil Co., The, assignee: *See*—
French, Henry C., and Kuehlman.

Henrichsen, Knut, Los Angeles, Calif., assignor to North American Aviation, Inc. Articulated bus. 2,407,007; Sept. 3.

Herbst, John A., Oradell, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Method and means for transmitting intelligence. 2,406,835; Sept. 3.

Hildebrand, Paul, and A. Metz, Mannheim, Germany; vested in the Alien Property Custodian. Setting device on mechanical and electrical measuring instruments. 2,407,154; Sept. 3.

Hill, Julian W.: *See*—
Fothergill, Robert E., Hill, and Johnson.

Hillier, James: *See*—
Zworykin, V. K., and Hillier.

Hitt, Otha A., Chesterfield County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn twisting apparatus. 2,406,768; Sept. 3.

Hixson, Arthur, Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, as trustee. Recovery of vanadium. 2,407,008; Sept. 3.

Hoertz, Norman: *See*—
Newton, John A., and Hoertz.

Hoffman, Otis E., E. W. Quirk, and W. H. Sprenger, assignors to Brandt Automatic Cashier Company, Watertown, Wis. Coin handling machine. 2,406,948; Sept. 3.

Hoffman, Samuel K.: *See*—
Tyler, John M., and Hoffman.

Holbrook, John K., assignor to Micropat, Inc., New York, N. Y. Microfilm viewer. 2,407,009; Sept. 3.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric air position indicator. 2,406,836; Sept. 3.

Holley, Earl, assignee, et al.: *See*—
Holley, George M., Jr.
Udale, Stanley M.
Udale, Stanley M., and Buick.

Holley, George M., assignee: *See*—
Holley, George M., Jr.
Olson, Elmer.

Holley, George M., assignee, et al.: *See*—
Udale, Stanley M.
Udale, Stanley M., and Buick.

Holley, George M., Jr., Grosse Pointe, Mich., assignor to G. M. Holley and E. Holley. Power control. 2,407,078; Sept. 3.

Holmes, Dan Campbell, New York, N. Y. Flexible joint. 2,407,155; Sept. 3.

Holzworth, Lauriene T., assignee, et al.: *See*—
Du Bois, Joseph E.

Hoover Company, The, assignee: *See*—
Acheson, Louis K.
Smellie, Donald G.
Troxler, Charles G.

Horne, John T., Layton, Utah. Trailer brake. 2,407,156; Sept. 3.

Hosman, David F., Omaha, Nebr. Combination cooker and ricer. 2,406,769; Sept. 3.

Houghton, Leslie W.: *See*—
Beatty, William A., and Houghton.
Chatterjea, Prafulla K., and Houghton.

Howard Foundry Company, assignee: *See*—
Brooks, John A.

Howard, Willis G., Indianapolis, Ind. Holding tray for egg treating machines. 2,407,079; Sept. 3.

Huck, Louis C., Grosse Pointe, assignor to Huxon Holding Corporation, Detroit, Mich. Riveting gun. 2,406,949; Sept. 3.

Hudson, Lester C., Big Prairie, Ohio. Adapter head for wells. 2,407,010; Sept. 3.

Huebner, William C., New York, N. Y. Camera. 2,406,770; Sept. 3.

Hughes, Edward B., assignor to Bernardin Bottle Cap Co., Inc., Evansville, Ind. Device for vacuum sealing containers. 2,406,771; Sept. 3.

Hunter, Douglas G., London, England, assignor to Barnet Ensign Limited. Folding photographic camera. 2,406,772; Sept. 3.

Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair roll. 2,407,011; Sept. 3.

Hutchinson, Archibald D. L., Seattle, Wash. Safety device for dump trucks. 2,407,012; Sept. 3.

Huxon Holding Corporation, assignee: *See*—
Huck, Louis C.

Hyde, George J., Brooklyn, assignor to Firearms Research Corporation, New York, N. Y. Firearm. 2,407,157; Sept. 3.

Ielfield, Fred C., assignor to Silver Creek Precision Corporation, Silver Creek, N. Y. Cereal cutter. 2,406,773; Sept. 3.

Ifield, Richard J., Ealing, London, assignor to Joseph Lucas Limited, Birmingham, England. Fuel pump governor. 2,407,013; Sept. 3.

Interchemical Corporation, assignee: *See*—
Bernardi, Dominic J., and Florence.
Whyzmuzis, Paul, and Linkletter.

International Business Machines Corporation, assignee: *See*—
Platt, Donald R., and Gray.
Von Reppert, Richard.
Watson, Thomas J.

International Harvester Company, assignee: *See*—
Dewey, Frederick L.
Erminger, Durward B.
Johnson, Arnold E. W., and Orelind.
McNamara, Gordon G., Jr.
Morkoski, James.
Schmied, William F.

International Nickel Company Inc., assignee: *See*—
Pfeil, Leonard B.

International Standard Electric Corporation, assignee: *See*—
Beatty, William A., and Houghton.
Busignies, Henri G.
Chatterjea, Prafulla K., and Scully.
Fremlin, John H.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Kalister, Frank B., Stafford, and Konyvka.

Jackson, Pearl M., Chicago, Ill. Self-squeezing mop. 2,406,950; Sept. 3.

Jantz, Gustave H., Cincinnati, Ohio, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,406,951; Sept. 3.

Jensen, Helge.: *See*—
Cole, Louis W., and Jensen.

Jensen, Miriam D., administratrix.: *See*—
Donle, Harold P.

Johnson, Alfred A.: *See*—
Fothergill, Robert E., Hill, and Johnson.

Johnson, Arnold E. W., Oak Park, and J. R. Orelind, Wilmette, Ill., assignors to International Harvester Company. Jack. 2,407,080; Sept. 3.

Johnson, Ralph P., and W. R. Grams, Schenectady, N. Y., assignors to General Electric Company. Cathode-ray device. 2,407,082; Sept. 3.

Johnston, Frederick L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized polyvinyl fluoride. 2,406,837; Sept. 3.

Johnston, Mordica O., Glendale, Calif. Gun perforator for well casing. 2,407,081; Sept. 3.

Jones, Burr W., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter drive. 2,407,158; Sept. 3.

Jones, Welton P., Rydal, assignor to Philco Corporation, Philadelphia, Pa. Refrigerator motor-compressor mounting. 2,407,014; Sept. 3.

Jones, Welton P., Rydal, assignor to Philco Corporation, Philadelphia, Pa. Refrigeration apparatus. 2,407,159; Sept. 3.

Joseph, Harrison O., Los Angeles, Calif. Coat hanger. 2,407,015; Sept. 3.

Josepho, Anatol M., Pacific Palisades, Calif. Safety screwdriver. 2,406,952; Sept. 3.

Joy Manufacturing Company, assignee: *See*—
Maxson, Louis A.

Justesen, Aage C.: *See*—
Mason, Reginald D., and Justesen.

Kahn, David A., Columbus, Ohio. Self-locking bolt. 2,407,160; Sept. 3.

Kaiser, Donald W., and J. T. Thurston, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Acyl dicyandiamides and salts thereof. 2,407,161; Sept. 3.

Kalister, Frank B., Cleveland, J. O. Stafford, Painesville, and F. J. Konyvka, Maple Heights, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Ball loading machine. 2,407,016; Sept. 3.

Kamen Soap Products Co., assignee: *See*—
Blades, James.

Kamlet, Jonas, New York, N. Y., assignor to Miles Laboratories, Inc., Elkhart, Ind. Synthesis of riboflavin and intermediates therefor. 2,406,774; Sept. 3.

Karlson, Karl R.: *See*—
Bordon, George C., Jr., and Karlson.

Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom shuttle. 2,407,162; Sept. 3.

Keene, Kenneth L.: *See*—
Taber, John E., Jr., and Keene.

Keller, Herman L., Decherd, Tenn. Potato sacker. 2,407,017; Sept. 3.

Kelsey-Hayes Wheel Company, assignee: *See*—
Forbes, Joseph A.

Kepler, Francis M., Upper Darby, Pa. Forming bent tubing. 2,406,838; Sept. 3.

Kibler, Charles J.: *See*—
Weissberger, Arnold, Kibler, and Vittum.

Kilgore, George R., Princeton, W. R. Ferris, Kingston, and C. Shulman, Princeton, N. J., assignors to Radio Corporation of America. Electron discharge device. 2,407,163; Sept. 3.

Killian, Ezekiel, assignor, by direct and mesne assignments, of one-fourth to E. L. Kotzen, one-fourth to S. R. Kotzen, one-fourth to M. E. Kotzen, and one-fourth to Howard C. Mohn Hosiery Co. Inc., Reading, Pa. Yarn feed means. 2,406,775; Sept. 3.

Kimball, Leo B., New Haven, Conn. Internal-combustion turbine. 2,407,164; Sept. 3.

Kinetic Chemicals, Inc., assignee: *See*—
Benning, Anthony F., and Park.
Benning, Anthony F., Downing, and Park.

Kinney Company, The, assignee: *See*—
Glukes, Bernard R.

Kirkpatrick, James B., Woodbury, N. J., J. J. Somers, Philadelphia, Pa., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic alkylation process. 2,406,776; Sept. 3.

Konyvka, Frank J.: *See*—
Kalister, Frank B., Stafford, and Konyvka.

Koppel, Ernest R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Chuck. 2,407,083; Sept. 3.

Koretzky, Murry H., New York, N. Y. Birthday cake candle holder. 2,406,777; Sept. 3.

Kostur, J. Edward, Amarillo, Tex. Clutch. 2,407,019; Sept. 3.

Kotzen, Louis E., assignee, et al.: *See*—
Killian, Ezekiel.

Kotzen, Myer E., assignee, et al.: *See*—
Killian, Ezekiel.

Kotzen, Samuel R., assignee, et al.: *See*—
Killian, Ezekiel.

Kraus, William A., Richmond, Va. Time recorder attachment and card guide. 2,407,020; Sept. 3.

Kreitner, Johann, New York, and F. Nettel, Manhasset, N. Y. Improving power production in combustion turbines. 2,407,165; Sept. 3.

Kreitner, Johann, New York, and F. Nettel, Manhasset, N. Y. Heat cycle. 2,407,166; Sept. 3.

Krupnick, Sydney R.: *See*—
Luth, Harold J., Scheidemantel, and Krupnick.

Kruse, Willard E., Chicago, Ill., C. W. Nysewander, Highland, Ind., and J. A. Bolt, assignors to Standard Oil Company, Chicago, Ill. Slurrying aluminum chloride for hydrocarbon conversion processes. 2,406,778; Sept. 3.

Kuehlman, Norman V.: *See*—
French, Henry C., and Kuehlman.

Külz, Fritz, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian. Derivatives of 1-hydroxy-phenyl-3-aminobutane and their production. 2,407,167; Sept. 3.

Kurlychek, John L., Orange, N. J., assignor to United States Rubber Company New York, N. Y. Flame resistant and water repellent fabrics and method of making the same. 2,406,779; Sept. 3.

Kutscha, Alois, Chicago, Ill. Profiling milling cutter. 2,406,780; Sept. 3.

Kuzmich, Elizabeth, et al., assignee: *See*—
Axnix, Eugene J.

Labin, Emile, New York, and J. H. Nye, Jackson Heights, N. Y., assignors to Federal Telephone and Radio Corporation. Impedance matching device. 2,406,839; Sept. 3.

Lafferty, James M.: *See*—
Fiske, Milan D., and Lafferty.

Lambert Brake Corporation, assignee: *See*—
Lambert, Homer T.

Lambert, Homer T., assignor to Lambert Brake Corporation, St. Joseph, Mich. Multiple disk energizing clutch. 2,407,022; Sept. 3.

Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Multiple baking pan. 2,407,021; Sept. 3.

La Plant-Choate Manufacturing Company, Incorporated, assignee: *See*—
Choate, Roy E., and Austin.

Lavender, Raymond W., Waterford, N. Y., assignor to General Electric Company. Motor control apparatus. 2,407,084; Sept. 3.

Lawrenson, Ernest: *See*—
Mann, Walter N., and Lawrenson.

Leather, George B. and W. H. Wallbanks, Feltham, assignors to General Aircraft Limited, Feltham, Middlesex, England. Foldable stretcher. 2,407,085; Sept. 3.

Ledwinka, Joseph, Philadelphia, and G. Trauvetter, Jenkintown, assignors to The Budd Company, Philadelphia, Pa. Window construction, especially for rail cars. 2,407,086; Sept. 3.

Lee, Leonard P., assignee: *See*—
Tippen, Frank J.

Leo, Herbert T., and C. C. Taylor, Anaheim, Calif. Preparing pectase. 2,406,840; Sept. 3.

Levy, Maurice M., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Secret transmission system. 2,406,841; Sept. 3.

Lewel Manufacturing Co. Inc., assignee: *See*—
Novick, Abe.

Lewis, Harold M., Allenhurst, N. J., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. System for determining the position of an object in space. 2,406,953; Sept. 3.

Lewis, Jacob D., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Electric motor and control system for motors. 2,406,781; Sept. 3.

Lewis, Jacob D., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Motor control system. 2,406,782; Sept. 3.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Boicey, James H.

Lichty, Joy G.: *See*—
Clifford, Albert M., and Lichty.

Lieber, Eugene, Staten Island, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Mineral oil lubricating composition. 2,407,087; Sept. 3.

Lindkvist, Knut V., assignor to Aktiebolaget Vibro-Betong, Stockholm, Sweden. Apparatus for molding concrete. 2,407,168; Sept. 3.

Linkletter, Harry: *See*—
Whyzmuzis, Paul, and Linkletter.

Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of isoparaffinic hydrocarbons. 2,406,954; Sept. 3.

Lively, George, Pueblo, Colo. Bicycle seat. 2,406,783; Sept. 3.

Lockwood, Harry A., Meriden, Conn., assignor to Chandler-Evans Corporation. Anticorrosion plug. 2,407,023; Sept. 3.

Lohmuller, Bernard H., and G. W. Lohmuller, North Hollywood, Calif. Theater curtain. 2,407,024; Sept. 3.

Lohmuller, Genevieve W.: *See*—
Lohmuller, Bernard H. and G. W.

Lord Manufacturing Company, assignee: *See*—
Wallerstein, Leon, Jr.

Loughren, Arthur V., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. System for locating radiated-signal reflectors. 2,407,169; Sept. 3.

Lovell, Clarence A.: *See*—
Elmer, Lloyd A., and Lovell.

Lovell Manufacturing Company, assignee: *See*—
Jantz, Gustave H.

Lower, Carl F., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,406,955; Sept. 3.

Lowry, Leonard P.: *See*—
Hartley, G. C., Lowry, and Bray.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for grinding and polishing surfaces. 2,407,206; Sept. 3.

Lucas, Joseph, Limited, assignee: *See*—
Ifield, Richard J.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Means for securing printing plates to their bases. 2,406,883; Sept. 3.

Lupton, McSherry, Winchester, Va. Grading machine. 2,406,842; Sept. 3.

Luse, Daniel C., Chicago, Ill. Wall surface sheet or tile. 2,407,025; Sept. 3.

Luth, Harold J., H. B. Scheidemantel, and S. R. Krupnick, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Molding materials under heat and pressure. 2,406,843; Sept. 3.

MacKenzie, Donald, assignor to Dowty Equipment Limited, Cheltenham, England. Fluid-actuated control system. 2,407,018; Sept. 3.

MacMullin, Robert B.: *See*—
Wood, Joseph L., and MacMullin.

Malek, Sidney K., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control mechanism. 2,407,170; Sept. 3.

Mallett, John D.: *See*—
Shepherd, James E., and Mallett.

Mallory, P. R., & Co., Inc., assignee: *See*—
McFarren, Lawrence E.

Mann, Walter N., S. Coldfield, and E. Lawrenson, assignors to British Insulated Cables Limited, Prescot, England. Electric heating system for buildings. 2,406,884; Sept. 3.

Manning, Maxwell & Moore, Inc., assignee: *See*—
Mitchell, George A.

Marien, Charles, and M. W. Marien, assignors to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston ring. 2,406,844; Sept. 3.

Marien, Melvin W.: *See*—
Marien, Charles A. and M. W.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sapogenin oxidation products and preparing the same. 2,406,885; Sept. 3.

Mashmeyer, Herman, Jacksonville, Fla. Awning. 2,407,026; Sept. 3.

Mason, Reginald D., Richmond, and A. C. Justesen, Heston, England. Manufacture of cream substitutes. 2,407,027; Sept. 3.

Mathieson Alkali Works, Inc., The, assignee: *See*—
Wood, Joseph L., and MacMullin.

Matthews, Carroll F., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Apparatus for electroplating of bearing shells. 2,406,956; Sept. 3.

Matthews, Robert W.: *See*—
Davis, John H., Matthews, and McLean.

Maui Pineapple Company, Ltd., assignee: *See*—
Butler, Bernard J.

Maxson, Louis A., Claremont, N. H., assignor to Joy Manufacturing Company. Controlling mechanism. 2,407,088; Sept. 3.

McBean, Douglas M., Rochester, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Coffee bin. 2,406,886; Sept. 3.

McBride, Maurice G., Enfield, Middlesex, England, assignor to Sangamo Electric Company, Springfield, Ill. Electrical ratiometer. 2,406,887; Sept. 3.

McCarthy, Daniel J., assignee: *See*—
Donle, Harold P.

McCarthy, Harry, Kewanee, Ill., assignor to Walworth Patents, Inc., Boston, Mass. Handwheel attaching means. 2,406,957; Sept. 3.

McDonald, John W.: *See*—
Gill, Lowell O., and McDonald.

McFall, Robert J., Haworth, N. J. Snap switch. 2,407,089; Sept. 3.

McFarren, Lawrence E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Fixed resistor. 2,407,171; Sept. 3.

McGreal, Martin E.: *See*—
Nierderl, Joseph B., V., and McGreal.

McLean, Edmond C., Palatka, Fla. Portable timber cutting saw apparatus. 2,407,028; Sept. 3.

McLean, Nathaniel G.: *See*—
Davis, John H., Matthews, and McLean.

McMahan, Roy F., Arlington Road, near Louisville, Ky. Applying metal binding-straps. 2,407,090; Sept. 13.

McMillan, Clarence H., Minneapolis, Minn. Game carrier. 2,407,172; Sept. 3.

McMullen, John, Buffalo, N. Y. Adjustable lading brace for railway cars. 2,407,091; Sept. 3.

McNamara, Gordon G., Jr., Chicago, Ill., assignor to International Harvester Company. Vehicle. 2,407,092; Sept. 3.

McQueen, David M., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemically modified wool. 2,406,958; Sept. 3.

Meidenbauer, Phillip E., Jr., assignor to Scott Aviation Corporation, Lancaster, N. Y. Breathing apparatus. 2,406,888; Sept. 3.

Metz, Artur: *See*—
Hildebrand, Paul, and Metz.

Micropat, Inc., assignee: *See*—
Holbrook, John K.

Miles Laboratories, Inc., assignee: *See*—
Compton, Walter A., and Nicholls.
Kamlet, Jonas.

Millard, Dwight H., Norwalk, Calif. Rotary pump. 2,406,959; Sept. 3.

Miller, Donald L.: *See*—
Whitney, Maurice P., Buxton, and Miller.

Miller, Kent, Aiken, S. C. Horse eyeshield. 2,407,029; Sept. 3.

Miller Printing Machinery Co., assignee: *See*—
Neuhart, Andrew.
Saul, August A.

Miller, Ralph: *See*—
Hixson, Arthur W., and Miller.

Mills, William L., Waco, Tex. Razor. 2,407,030; Sept. 3.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Malek, Sidney K.
Sparrow, Hubert T.

Mishawaka Rubber and Woolen Manufacturing Co., assignee: *See*—
Tabel, John E., Jr., and Keene.

Mitchell, George A., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Power unit for traveling cranes. 2,406,889; Sept. 3.

Mohaupt, Henry H., Washington, D. C., assignor to Societe Anonyme de Gestion et d' Exploitation de Brevets, Switzerland. Method and apparatus for cutting or punching sheet material. 2,407,093; Sept. 3.

Mohn, Howard C., Hosiery Co. Inc., assignee, et al.: *See*—
Killian, Ezekiel.

Mohr, Albert C., Arcadia, Calif., assignor, by mesne assignments, to Chemical Construction Corporation, New York, N. Y. Production of sulphur dioxide. 2,406,890; Sept. 3.

Moore, John R., Schenectady, N. Y., assignor to General Electric Company. Gyroscopic device. 2,406,845; Sept. 3.

Morcaldi D', Rosaria F., East Boston, Mass. Knotted needlework with tied loops. 2,407,031; Sept. 3.

Morkoski, James, Canton, Ill., assignor, to International Harvester Company. Agricultural implement. 2,407,094; Sept. 3.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,407,173; Sept. 3.

Muller, Arno H., Wood-Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Winding machine. 2,406,846; Sept. 3.

Myers, Bernard L., Dallas, Tex. Sheave mounting. 2,407,032; Sept. 3.

Naylor, Beatrice: *See*—
Clothier, William C., Naylor, and Dunning.

Neal, Arthur M., Wilmington, Del., and B. M. Sturgis, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of heavy metal salts of dithiocarbamic acids. 2,406,960; Sept. 3.

Negel, Günter: *See*—
Orlich, Peter, Negel, Hartz.

Nettel, Frederick: *See*—
Kreitner, Johann, and Nettel.

Neuhart, Andrew, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Registering sheets. 2,406,847; Sept. 3.

Newton, John A., and N. Hoertz, assignors to Thompson Products, Inc., Cleveland, Ohio. Shaft bearing assembly. 2,406,891; Sept. 3.

Nichol, Arthur V., Elkins Park, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Device for use with helically-wound coils. 2,406,961; Sept. 3.

Nicholls, Richard S.: *See*—
Compton, Walter A., and Nicholls.

Niederl, Joseph B., V. Niederl, and M. E. McGreal, Brooklyn, N. Y. N-benzyl-n-alkyl morpholinium compounds. 2,406,892; Sept. 3.

Nierderl, Victor: *See*—
Nierderl, Joseph B. and V., and McGreal.

Noonan, John, St. Louis, Mo., assignor to D. H. Finke, Chicago, Ill. Counter. 2,406,962; Sept. 3.

North American Aviation, Inc.: *See*—
Henrichsen, Knut.

Norton, Samuel H., assignor to Thompson Products, Inc., Cleveland, Ohio. Valve seat insert assembly and assembly method and means. 2,406,963; Sept. 3.

Novak, Robert L., Devon, Conn., assignor to General Electric Company. Remote-control system. 2,406,848; Sept. 3.

Novick, Abe, South Orange, assignor to Lewel Manufacturing Co. Inc., Newark, N. J. Brassière slip. 2,406,849; Sept. 3.

Nowak, Leon J., Jr.: *See*—
Williams, Ralph E., and Nowak.

Nunn, Elizabeth T., Cleveland, assignor of one-half to J. C. Corcoran, Rocky River, Ohio. Garment. 2,406,893; Sept. 3.

Nye, James H.: *See*—
Labin, Emile, and Nye.

Nysewander, Cecil W.: *See*—
Kruse, Willard E., Nysewander, and Bolt.

Oakley, Eugene H.: *See*—
Fratis, Joseph E., and Oakley.
Oberender, John L., assignor to Oles Envelope Corporation, Baltimore, Md. Envelope machine. 2,407,174; Sept. 3.
O'Brien, Frank J., Pelham, assignor to Continental Can Company, Inc., New York, N. Y. Closure for paper containers. 2,406,894; Sept. 3.
O'Kelly, Arlie A., Woodbury, J. Plucker, III, Pitman, N. J., and R. H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic alkylation process. 2,407,033; Sept. 3.
Oles Envelope Corporation, assignee: *See*—
Oberender, John L.
Olin Industries, Inc., assignee: *See*—
Wilson, Golder P.
Olson, Elmer, Ferndale, Mich., assignor to G. M. and E. Holley. Heat control. 2,407,095; Sept. 3.
Olson, Raymond G., Chevy Chase, Md. Electric connector. 2,406,895; Sept. 3.
Orelind, John R: *See*—
Johnson, Arnold E. W., and Orelind.
Orlich, Peter, G. Negel, and H. Hartz, Kiel, Germany; vested in the Alien Property Custodian. Echo sounding device. 2,407,175; Sept. 3.
Orr, Donald J., Arnolds Park Iowa. Variable delivery and reversing pump. 2,406,964; Sept. 3.
Orr, Donald J., Arnolds Park, Iowa. Variable delivery fluid handling device. 2,406,965; Sept. 3.
Otis Elevator Company, assignee: *See*—
Lewis, Jacob D.
Owen, Harold R., assignor to Electrical Products Corporation, Los Angeles, Calif. Gaseous discharge tube lighting fixture. 2,406,896; Sept. 3.
Owens-Illinois Glass Company, assignee: *See*—
Belada, John.
Darrah, William A.
Pacific Plastic and Manufacturing Company, assignee: *See*—
Cerf, Robert C.
Page, Alfred E., assignor to W. & T. Avery Limited, Birmingham, England. Automatic weighing apparatus embodying a totalizing mechanism. 2,406,897; Sept. 3.
Palmer, Wilson G., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Cap lining material and producing the same. 2,406,898; Sept. 3.
Park, Joseph D.: *See*—
Benning, Anthony F., Downing, and Park.
Benning, Anthony F., and Park.
Parke, Davis & Company, assignee: *See*—
Marker, Russell E.
Pfiffner, Joseph J., Binkley, Bloom, and Emmett.
Rawlins, Albert L.
Peck, Albert C.: *See*—
Fisher, Harmon F., and Peck.
Penaljo Company, assignee: *See*—
Walsh, John J.
Perfect Circle Company, The, assignee: *See*—
Teetor, Ralph R.
Permanente Metals Corporation, The, assignee: *See*—
Fisher, Harmon F., and Peck.
Pfeil, Leonard B., Edgbaston, Birmingham, England, assignor to International Nickel Company Inc., New York, N. Y. Spark plug electrode. 2,406,966; Sept. 3.
Pfiffner, Joseph J., Ann Arbor, and S. B. Binkley, E. S. Bloom and A. D. Emmett, assignors to Parke, Davis & Company, Detroit, Mich. Antianemia vitamin products. 2,407,096; Sept. 3.
Philco Corporation, assignee: *See*—
Clum, Henry W.
Emerson, Kenneth H.
Jones, Welton P.
Seher, Henry W.
Philco Radio and Television Corporation, assignee: *See*—
Nichol, Arthur V.
Phillips Petroleum Company, assignee: *See*—
Sievers, Carl F.
Upham, John D.
Platt, Donald R., Endicott, and A. E. Gray, Binghamton, assignors to International Business Machine Corporation, New York, N. Y. Plugboard. 2,407,176; Sept. 3.
Pierce, Hodgson S., assignee: *See*—
Gorton, Paul T.
Pierce, John R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,406,850; Sept. 3.
Pinardi, Charles P.: *See*—
Wharam, John J., and Pinardi.
Pines, Herman, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,406,967; Sept. 3.
Pittsburgh Equitable Meter Company, assignee: *See*—
Whittaker, Alexander R.
Plessey Company Limited, The, assignee: *See*—
Pugh, Cyril A., and Say.
Plucker, Julius, III: *See*—
O'Kelly, Arlie A., Plucker, and Work.
Polaroid Corporation, assignee: *See*—
Cooper, Dexter P., Jr.
Grey, David S.
Pollock, Frank S., Jr., Martinsville, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lubricated traveler ring. 2,406,901; Sept. 3.
Porter, Gilbert E., Los Angeles, Calif., assignor to L. J. Rosa, Detroit, Mich. Brake mechanism. 2,407,097; Sept. 3.
Preger, Dan, assignee, et al.: *See*—
Axnix, Eugene J.
Pro-phy-lac-tic Brush Company, assignee: *See*—
Dahle, Joseph.
Pugh, Cyril A., Ilford, and A. W. Say, Upminster, assignors to The Plessey Company Limited, Ilford, England. Hydraulic cutout device. 2,406,899; Sept. 3.
Punte, William F., Passaic, assignor to Continental Can Company, Inc., New York, N. Y. Adhesive tape container with nesting feature. 2,406,900; Sept. 3.
Pyridium Corporation, assignee: *See*—
Tisza, Edmond T., and Duesel.
Quaker Oats Company, The, assignee: *See*—
Dunlop, Andrew P.
Quirk, Earl W.: *See*—
Hoffman, Otis E., Quirk, and Spenger.
Radio Corporation of America, assignee: *See*—
Carter, Philip S.
Evans, John.
Fagan, Christopher P.
Fell, William F.
Green, Ernest.
Kilgore, George R., Ferris, and Shulman.
Smith, John P.
Tunick, Harry.
Vance, Arthur W.
Wendt, Karl R.
Wendt, Karl R., and Bedford.
Wolff, Irving.
Zworykin, V. K., and Hillier.
Raiche, Paul A., North Providence, R. I. Earring construction. 2,407,098; Sept. 3.
Ramsey Accessories Manufacturing Corporation, assignee: *See*—
Marien, Charles A. and M. W.
Rawlins, Albert L., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Soap-like preparations. 2,406,902; Sept. 3.
Redcay, Aaron K., Baton Rouge, La., assignor, by mesne assignments, to Standard Catalytic Company. Fischer synthesis. 2,406,851; Sept. 3.
Refining Unincorporated, assignee: *See*—
Thurman, Benjamin H.
Refractory & Insulation Corporation, assignee: *See*—
Clark, Horace N.
Rehfeld, George W., Manhattan, Kans. Jetty with stabilizer. 2,407,034; Sept. 3.
Relf, Reginald T., Chatham, N. J., assignor to Federal Telephone and Radio Corporation. Conductor grommet assembly. 2,406,852; Sept. 3.
Rethorst, Scott, Los Angeles, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation. Fuel container and method of making same. 2,406,903; Sept. 3.
Richards, Carroll H., Boston, Mass. Two and one direction silent overriding and positive driving overriding mechanism. 2,407,099; Sept. 3.
Richardson, Avery G., Boonton, N. J., and F. O. Chesus, Islip, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Rotary position corrector. 2,406,853; Sept. 3.
Richardson, Ernest L., Melrose, Mass., assignor to General Electric Company. Drafting of fibers. 2,407,100; Sept. 3.
Richardson, Ralph S.: *See*—
Schideler, Pierre, and Richardson.
Riegel Paper Corporation, assignee: *See*—
Borden, George C., Jr., and Karlson.
Roberts, Frederick W., Lockport, N. Y. Wood grinding machine. 2,406,904; Sept. 3.
Robertshaw Thermostat Company, assignee: *See*—
Eskin, Samuel G., and Strobel.
Strobel, Charles K.
Robertson, H. H., Company, assignee: *See*—
Crafton, Henry H.
Roblin, Richard O., Jr.: *See*—
Cole, Quintin P., and Roblin.
English, Jackson P., Vaughan, and Roblin.
Roblin, Richard O., Jr., Old Greenwich, and P. S. Winnek, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Sulphonamide derivatives of melamine and their production. 2,407,177; Sept. 3.
Röhm & Haas Company, assignee: *See*—
Bruson, Herman A., and Butler.
Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Crankcase ventilation system and apparatus. 2,407,178; Sept. 3.
Rosa, Leonard J., assignee: *See*—
Porter, Gilbert E.
Rosenboom, Gustaf H., Kalama, Wash. Pipe cutting and tenoning machine. 2,407,101; Sept. 3.
Rossell, William T., assignor to Transit Research Corporation, New York, N. Y. Brake shoe. 2,407,035; Sept. 3.
Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing cellulosic structures. 2,406,905; Sept. 3.
Ryder, Elmer, Berwyn, Ill. Internal-combustion engine. 2,407,102; Sept. 3.
Sachanen, Alexander N.: See—
Kirkpatrick, James B., Somers, and Sachanen.

Salminen, Ilmari F., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Producing p-phenylene diamines. 2,407,207; Sept. 3.
Salmon, Reginald D.: *See*—
Thompson, Alfred E., and Salmon.
Samiran, David, Osborn, Ohio. Multiple tank fuel system. 2,406,854; Sept. 3.
Sangamo Electric Company, assignee: *See*—
McBride, Maurice G.
Satterlee, Howard A., Sharon, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for controlling rotation. 2,406,855; Sept. 3.
Satterlee, Howard A., Needham, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for controlling rotation. 2,406,856; Sept. 3.
Saul, August A., assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Sheet handling apparatus. 2,406,857; Sept. 3.
Saunders, Enos P., Berkeley, assignor to Triangle Engineering Company, Ferndale, Mich. Rotary sine index plate. 2,406,906; Sept. 3.
Savage, Albert B., assignor to The Dow Chemical Company, Midland, Mich. Instantaneous recording composition. 2,407,179; Sept. 3.
Savrda, Charles M., Bay Shore, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Method and apparatus for treating fish. 2,406,907; Sept. 3.
Say, Alan W.: *See*—
Pugh, Cyril A., and Say.
Scheidemantel, Herman B.: *See*—
Luth, Harold J., Scheidemantel, and Krupnick.
Scheller, Rudolf J., Hickory, N. C. Carrier for full-fashioned knitting machines. 2,407,103; Sept. 3.
Schideler, Pierre, New York, and R. S. Richardson, Scarsdale, assignors to Chemical Construction Corporation, New York, N. Y. Apparatus for the manufacture of formaldehyde. 2,406,908; Sept. 3.
Schiller, Harold, Los Angeles, and A. Shapiro, Monrovia, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Purifying oil field waters. 2,407,180; Sept. 3.
Schmied, William F., Blue Island, Ill., assignor to International Harvester Company. Manure spreader having adjustable feed mechanism. 2,407,104; Sept. 3.
Schoenlaub, Robert, A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Plastic bonding basic refractories. 2,406,909; Sept. 3.
Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Treatment of refractory materials. 2,406,910; Sept. 3.
Scholl Mfg. Co., Inc., assignee: *See*—
Curtze, Max.
Schrader, Herbert, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y. Closing sheet metal containers. 2,406,911; Sept. 3.
Schwarzer, Fred, Pottstown, Pa. Automatic fishhook. 2,406,912; Sept. 3.
Scott Aviation Corporation, assignee: *See*—
Meidenbauer, Phillip E., Jr.
Scott, Samuel Le R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial waxes and greases. 2,4007,181; Sept. 3.
Scovill Manufacturing Company, assignee: *See*—
Elwin, Charles T.
Scully, Charles T.: *See*—
Chatterjea, Prafulla K., and Scully.
Seher, Henry W., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Plate winding machine. 2,406,968; Sept. 3.
Senn Corporation, assignee: *See*—
Coake, Charles F.
Serrano, Liberto A., Barcelona, Spain. Carburetion system for internal-combustion engine. 2,406,913; Sept. 3.
Seymour, George W., and W. Brooks, Cumberland, Md., assignors to Celanese Corporation of America. High tenacity filamentary materials. 2,407,105; Sept. 3.
Shapiro, Abraham.: *See*—
Schiller, Harold, and Shapiro.
Shell Development Company, assignee: *See*—
Adelson, David E., and Dannenberg.
Bailey, William A., Jr., and Greensfelder.
Shelly, Allen P., Denver, Colo. Pencil. 2,407,106; Sept. 3.
Shepherd, James E., Hempstead, and J. D. Mallett, Garden City, N. Y., assignors to Sperry Gyroscope Company, Inc. Visual position and phase sense indicator. 2,406,858; Sept. 3.
Sherwood, William T., assignor to Eastman Kodak Company, Rochester, N. Y. Machine for metering cement to lenses. 2,407,208; Sept. 3.
Shulman, Carl: *See*—
Kilgore, George R., Ferris, and Shulman.
Sievenpiper, Frederic, Alden, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing 2,6-nitro chlor benzyl alcohol. 2,407,182; Sept. 3.
Sievers, Carl F., Pontiac, Mich., assignor to Phillips Petroleum Company. Dispensing nozzle, valve, and valve disk fastening means. 2,406,914; Sept. 3.
Silbert, Eileen, assignee, et al.: *See*—
Du Bois, Joseph E.
Silman, Leon, New York, N. Y. Full-fashioned knitted garment and manufacturing the same. 2,406,969; Sept. 3.
Silver Creek Precision Corporation, assignee: *See*—
Ielfield, Fred C.
Sinclair Refining Company, assignee: *See*—
Teter, John W.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,406,915; Sept. 3.
Smith, A. O., Corporation, assignee: *See*—
Harlamoff, Anatol J.
Koppel, Ernst R.
Smith, Edward W., Melrose, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Communication in pipe lines. 2,406,859; Sept. 3.
Smith, Howard, Paper Mills Limited, assignee: *See*—
Tomlinson, G. H. and G. H., Jr.
Smith, John H.: *See*—
Bardwell, Ralph F., and Smith.
Smith, John P., Erlton, N. J., assignor to Radio Corporation of America. Radio pulse indicator. 2,406,970; Sept. 3.
Smith, Joseph E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of stable dispersions of alkyl alkacrylate polymers. 2,407,107; Sept. 3.
Smith, Robert A., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Production of staple fiber. 2,407,109; Sept. 3.
Snavely, Earl R., Roselle, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Air-conditioning control. 2,407,036; Sept. 3.
Societe Anonyme de Gestion et d'Exploitation, de Brevets, assignee: *See*—
Mohaupt, Henry H.
Socony-Vacuum Oil Company, Inc., assignee: *See*—
Kirkpatrick, James B., Somers, and Sachanen.
O'Kelly, Arlie A., Plucker, and Work.
Schiller, Harold, and Shapiro.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Rubber composition. 2,407,183; Sept. 3.
Somers, John J.: *See*—
Kirkpatrick, James B., Somers, and Sachanen.
Sowa, Frank J., Cranford, N. J. Lubricant and lubricating surfaces therewith. 2,406,971; Sept. 3.
Sowa, Frank J., Cranford, N. J. Lubricants. 2,407,037; Sept. 3.
Spalding, John E., Nitro, and D. B. Wicker, Dunbar, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for crimping filamentary materials. 2,407,108; Sept. 3.
Sparrow, Hubert T., Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Milwaukee, Wis. Solenoid valve. 2,407,184; Sept. 3.
Specht, Harry G., Montclair, N. J. Centrifugal casting. 2,406,860; Sept. 3.
Spencer, Richard O., Santa Monica, Calif., assignor to General Electric Company. Flatiron. 2,407,110; Sept. 3.
Sperry Gyroscope Company, Inc., assignee: *See*—
Shepherd, James E., and Mallett.
Tait, William O.
Wittkuhns, Bruno A., and Chantemerle.
Sprenger, William H.: *See*—
Hoffman, Otis E., Quirk, and Sprenger.
Springers, Earl W., Silver Hill, Md. Plotter indicator for harbor defense. 2,406,861; Sept. 3.
Stafford, James O.: *See*—
Kalister, Frank B., Stafford, and Konyvka.
Staley, A. E., Manufacturing Co., assignee: *See*—
Gill, Lowell O., and McDonald.
Stalker, Edward A., Ann Arbor, Mich. Wings and other aerodynamic bodies. 2,406,916; Sept. 3.
Stalker, Edward A., Ann Arbor, Mich. Wing. 2,406,917; Sept. 3.
Stalker, Edward A., Ann Arbor, Mich. Wing. 2,406,918; Sept. 3.
Stalker, Edward A., Ann Arbor, Mich. Control of aircraft. 2,406,919; Sept. 3.
Stalker, Edward A., Ann Arbor, Mich. Wing. 2,406,920; Sept. 3.
Stalker, Edward A., Ann Arbor, Mich. Aircraft. 2,406,921; Sept. 3.
Stalker, Edward A., Ann Arbor, Mich. Wing. 2,406,922; Sept. 3.
Stalker, Edward A., Bay City, Mich. Aircraft having boundary layer controlled wings. 2,406,923; Sept. 3.
Stalker, Edward A., Bay City, Mich. Aircraft. 2,406,924; Sept. 3.
Stalker, Edward A., Bay City, Mich. Wing with flap enclosing a blower means. 2,407,185; Sept. 3.
Stamberger, Paul, Dover, Del. Adhesive. 2,407,038; Sept. 3.
Standard Catalytic Company, assignee: *See*—
Redcay, Aaron K.
Standard Oil Company, assignee: *See*—
Dickinson, Norman L.
Kruse, Willard E., Nysewander, and Bolt.
Standard Oil Development Company, assignee: *See*—
Lieber, Eugene, and Cashman.
Tongberg, Carl O. and Hall.
Standard Railway Equipment Manufacturing Company, assignee: *See*—
Swann, James S.

Standard Telephones and Cables Limited, assignee: *See*—
Chatterjea, Prafulla K., and Houghton.
Goodchild, Frank D.
Hartley, George C., Lowry, and Bray.
Levy, Maurice M.

Stanley, Herbert M., Tadworth, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of vinyl chloride. 2,407,039; Sept. 3.

Steel Heddle Manufacturing Company, assignee: *See*—
Kaufmann, John J., Jr.

Sterne, Rita C., assignee, et al.: *See*—
Du Bois, Joseph E.

Stertzbach, Harry W., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Side frame for railway car trucks. 2,406,862; Sept. 3.

Stewart-Warner Corporation, assignee: *See*—
Davis, Ernest W.

Strang, John M., and C. Foster, assignors to Barr & Stroud, Limited, Glasgow, Scotland. Range finder, height finder, and like measuring instrument. 2,407,186; Sept. 3.

Strang, John M., and C. Foster, assignors to Barr & Stroud, Limited, Glasgow, Scotland. Range finder, height finder, and like optical measuring instrument. 2,407,187; Sept. 3.

Strobel, Charles K.: *See*—
Eskin, Samuel G., and Strobel.

Strobel, Charles K., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Control and ignition system for fuel burners. 2,406,925; Sept. 3.

Sturgis, Bernard M.: *See*—
Neal, Arthur M., and Sturgis.

Submarine Signal Company, assignee: *See*—
Benioff, Hugo.
Harrison, Bertram M.
Satterlee, Howard A.
Smith, Edward W.

Summerfield, Martin, Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. System of jet propulsion. 2,406,926; Sept. 3.

Sutton, William S., Rockford, Ill. Burner. 2,407,188; Sept. 3.

Swan, Donald R., and J. M. Calhoun, assignors to Eastman Kodak Company, Rochester, N. Y. Stabilization of nitrocellulose film base. 2,407,209; Sept. 3.

Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Paneled steel roof. 2,406,863; Sept. 3.

Tabb, Warner T., Plainfield, N. J., assignor to Eisemann Corporation, Brooklyn, N. Y. High-pressure fluid pump gasketing. 2,406,927; Sept. 3.

Taber, John E., Jr., South Bend, and K. L. Keene, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Shoe. 2,407,189; Sept. 3.

Tait, William O., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Filter for fluid flow systems. 2,407,190; Sept. 3.

Taramaschi, Angelo, San Carlos, Calif. Cable straightener. 2,407,040; Sept. 3.

Taylor, Auburn, Charleston, W. Va., and E. W. Worthington, assignors to The Goss Printing Press Company, Chicago, Ill. Fountain inker drive mechanism. 2,406,928; Sept. 3.

Taylor, Clarence C.: *See*—
Leo, Herbert T., and Taylor.

Taylor, Florence E., assignee, et al.: *See*—
Du Bois, Joseph E.

Tear, James D., Great Neck, and C. W. Buckley, Mount Vernon, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Gun sight. 2,407,191; Sept. 3.

Teetor, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston. 2,407,192; Sept. 3.

Terroni, Tesco B. D.: *See*—
Gillings, Charles, Beale, and Terroni.

Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalyst. 2,406,929; Sept. 3.

Texas Company, The, assignee: *See*—
Clarke, Louis A.

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of hydrocarbons. 2,406,864; Sept. 3.

Thompson, Alfred E., and R. D. Salmon, assignors to Creed and Company Limited, Croydon, England. Preparing facsimile messages for transmission. 2,406,865; Sept. 3.

Thompson, Ernest S., Stockton, Calif. Disk harrow. 2,406,866; Sept. 3.

Thompson, Harry H., assignor to Wingfoot Corporation, Akron, Ohio. Rubber reclaim. 2,407,193; Sept. 3.

Thompson Products, Inc., assignee: *See*—
Newton, John A., and Hoertz.
Norton, Samuel H.

Thompson, Robert V., Indianapolis, Ind. Hand grip and closure for cartons. 2,407,111; Sept. 3.

Threedy, Clarence E., assignee, trustee: *See*—
Bradner, Burke C.

Thurman, Benjamin H., Charlotte, N. C., assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining Unincorporated. Insecticide. 2,407,041; Sept. 3.

Thurston, Jack T.: *See*—
Kaiser, Donald W., and Thurston.

Timken-Detroit Axle Company, assignee: *See*—
Buckendale, Lawrence R.

Timken Roller Bearing Company, The, assignee: *See*—
Edwards, Herbert C.

Tippen, Frank J., Coventry, assignor to L. P. Lee, near Stratford-on-Avon, England. Governing gear for engines and other machines. 2,407,042; Sept. 3.

Tisza, Edmond T., and B. F. Duesel, assignors to Pyridium Corporation, Yonkers. Production of pyridine 3-sulphonic acid and its salts. 2,406,972; Sept. 3.

Titeflex, Inc., assignee: *See*—
Carter, Shirley J.

Titlestad, Nicolay, White Plains, assignor to Chemical Construction Corporation, New York, N. Y. Sulfuric acid regeneration. 2,406,930; Sept. 3.

Tomlinson, George H., Jr.: *See*—
Tomlinson, George H. and G. H., Jr.

Tomlinson, George H., Montreal, Quebec, and G. H. Tomlinson, Jr., Cornwall, Ontario, assignors to Howard Smith Paper Mills, Limited, Montreal, Quebec, Canada. Treating lignocellulosic material. 2,406,867; Sept. 3.

Tongberg, Carl O., Westfield, and H. J. Hall, Roselle, N. J., assignor to Standard Oil Development Company. Paraffin isomerization process. 2,406,868; Sept. 3.

Transit Research Corporation, assignee: *See*—
Rossell, William T.

Trautvetter, George: *See*—
Ledwinka, Joseph, and Trautvetter.

Trautvetter, George, Jenkintown, assignor to The Budd Company, Philadelphia, Pa. Vehicle body construction. 2,407,112; Sept. 3.

Tremolada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Air operated clutch. 2,407,043; Sept. 3.

Triangle Engineering Company, assignee: *See*—
Saunders, Enos P.

Trisler, Milton A., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Altitude compensator for fuel pumps. 2,406,973; Sept. 3.

Troxler, Charles G., Canton, assignor to The Hoover Company, North Canton, Ohio. Air cleaner. 2,406,931; Sept. 3.

Tuck, Davis H., Redding Ridge, Conn. Methods of and apparatus for increasing incandescent lamp life. 2,407,113; Sept. 3.

Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Wave conversion. 2,406,932; Sept. 3.

Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Radio relaying. 2,407,212; Sept. 3.

Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Radio relaying. 2,407,213; Sept. 3.

Tyler, John M., West Hartford, and S. K. Hoffman, Williamsport, Pa., assignors to The Aviation Corporation, New York, N. Y. Driving mechanism. 2,407,114; Sept. 3.

Tyrer, Daniel, Stockton-on-Tees, England. Manufacture of phenols. 2,407,044; Sept. 3.

Tyrer, Daniel, Stockton-on-Tees, England. Manufacture of phenols or salts thereof. 2,407,045; Sept. 3.

Udale, Stanley M., Detroit, Mich., assignor to G. M. Holley and E. Holley, Governor. 2,407,115; Sept. 3.

Udale, Stanley M., and W. R. Buick, Detroit, Mich., assignors to G. M. Holley and E. Holley. Safety device. 2,407,116; Sept. 3.

Union Switch & Signal Company, The, assignee: *See*—
Lower, Carl F.

United Gas Improvement Company, The, assignee: *See*—
Soday, Frank J.

United Shoe Machinery Corporation, assignee: *See*—
Brophy, John J.
Fitzgerald, Charles F.

United States Rubber Company, assignee: *See*—
Kurlychek, John L.

Universal Oil Products Company, assignee: *See*—
Day, Roland B.
Linn, Carl B.
Pines, Herman.
Thomas, Charles L.

Upham, John D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst preparation. 2,406,869; Sept. 3.

Utilities Distributors, Inc., assignee: *See*—
Anderson, Peter A. and E. M., Sr., Hansen, and Edwards.

Vacquier, Victor V., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for responding to magnetic fields. 2,406,870; Sept. 3.

Vacquier, Victor V., Garden City, N. Y., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for responding to magnetic fields. 2,407,202; Sept. 3.

Vance, Arthur W., Cranbury, N. J., assignor to Radio Corporation of America. Power supply for electron microscopes. 2,406,974; Sept. 3.

Varela, Arthur A., Washington, D. C. Triode oscillator circuit. 2,406,871; Sept. 3.

Vaughan, James R., Jr.: *See*—
English, Jackson P., Vaughan, and Roblin.

Vittum, Paul W.: *See*—
Weissberger, Arnold, Kibler, and Vittum.

Vokes, Cecil G., London, England. Readily cleanable filter. 2,407,046; Sept. 3.

Vokes, Cecil G., London, England. Filter. 2,407,194; Sept. 3.

Von Reppert, Richard, Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,407,195; Sept. 3.

Waite, Philip M., Corry, Pa. Throttle control. 2,406,872; Sept. 3.

Walker, Nevilles E., Portland, Oreg. Electrically operated control. 2,406,873; Sept. 3.

Walker, Nevilles E., Portland, Oreg. Retractable control element for toy airplanes. 2,406,874; Sept. 3.

Wallbanks, William H.: *See*—
Leather, George B., and Wallbanks.

Wallerstein, Leon, Jr., assignor to Lord Manufacturing Company, Erie, Pa. Flexible coupling. 2,406,875; Sept. 3.

Walsh, John J., Des Peres, assignor to Penaljo Company, St. Louis, Mo. Making slip lasted shoes. 2,406,975; Sept. 3.

Walworth Patents, Inc., assignee: *See*—
McCarthy, Harry.

Walz, Claude W., and R. D. Griff, Rock Island, assignors to Deere & Company, Moline, Ill. Beet loader. 2,406,976; Sept. 3.

Warner, Wilbur W., Fort Wayne, Ind., assignor to General Electric Company. Quick reversing capacitor motor. 2,407,117; Sept. 3.

Warren Featherbone Co., The, assignee: *See*—
Haman, Howard H., and Whalen.

Waters, Harry F., New York, N. Y. Making shallow baking plates of cellulose material. 2,407,118; Sept. 3.

Watson, Thomas J., assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,407,196; Sept. 3.

Watts, Chester B., Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Instrument navigation system. 2,406,876; Sept. 3.

Watts, Raymond, assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,407,197; Sept. 3.

Weissberger, Arnold: *See*—
Salminen, Ilmari F., and Weissberger.

Weissberger, Arnold, C. J. Kibler, and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Color coupler. 2,407,210; Sept. 3.

Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Synchronizing system. 2,406,977; Sept. 3.

Wendt, Karl R., Hightstown, and A. V. Bedford, Princeton, N. J., assignors to Radio Corporation of America. Square coding wave generator for secret telecommunication systems. 2,406,978; Sept. 3.

West, Carl H., St. Clairsville, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa. Furnace closure. 2,407,047; Sept. 3.

Western Union Telegraph Company, The, assignee: *See*—
Haglund, Hakon H., and Breyfogel.

Weston, Herbert, New York, N. Y.; vested in the Alien Property Custodian. Accounting and filing system. 2,407,119; Sept. 3.

Whalen, Charles E.: *See*—
Haman, Howard H., and Whalen.

Wharam, John J., and C. P. Pinardi, assignors to Ford Motor Company, Dearborn, Mich. Gross shaft mounting. 2,406,933; Sept. 3.

Whitney, Maurice P., J. E. Buxton, and D. L. Miller, Chemung County, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter drive. 2,407,048; Sept. 3.

Whittaker, Alexander R., New York, N. Y., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Oscillating disk meter. 2,406,877; Sept. 3.

Whyzmuzis, Paul, Corona, Long Island, N. Y., and H. Linkletter, Englewood, N. J., assignors to Interchemical Corporation, New York, N. Y. Printing ink. 2,406,878; Sept. 3.

Wicker, Dan B.: *See*—
Spalding, John E., and Wicker.

Wilkes, Benjamin G., Wilkinsburg, Pa., assignor to Carbide and Carbon Chemicals Corporation. Insect repellent. 2,407,205; Sept. 3.

Williams, Ralph E., River Forest, and L. J. Nowak, Jr., assignors to B. F. Gump Co., Chicago, Ill. Weighing and dispensing apparatus. 2,406,934; Sept. 3.

Willys-Overland Motors, Inc., assignee: *See*—
Roos, Delmar G.

Wilson, Golder P., Alton, Ill., assignor to Olin Industries, Inc., Strip processing. 2,407,120; Sept. 3.

Winarsky, Benjamin: *See*—
Winarsky, Nathan and B.

Winarsky, Nathan and B., assignors to Belmont Body Builders, Newark, N. J. Tire inflation guard. 2,407,049; Sept. 3.

Wingfoot Corporation, assignee: *See*—
Clifford, Albert M., and Lichty.
Haase, Jorgen I.
Thompson, Harry H.

Winnek, Philip S.: *See*—
Roblin, Richard O., and Winnek.

Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company. Field control systems for synchronous machines. 2,407,121; Sept. 3.

Wittkuhns, Bruno A., Summit, and P. Chantemerle, Fort Lee, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Damping eliminator for gyroscopic compasses. 2,406,879; Sept. 3.

Wolfe, John F., Lapeer, Mich. Circular saw and dado cover. 2,406,979; Sept. 3.

Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Distance and direction determination. 2,407,198; Sept. 3.

Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Communication and distance determining system. 2,407,199; Sept. 3.

Wood, Joseph L., and R. B. MacMullin, Niagara Falls, assignos to The Mathieson Alkali Works, Inc., New York, N. Y. Preparation of fusions containing magnesium chloride. 2,406,935; Sept. 3.

Wood, Louvan E., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Follow-up mechanism. 2,407,200; Sept. 3.

Woodruff, Arthur B., Brecksville, Ohio, assignor to Harris-Seybold Company. Sheet delivery mechanism. 2,406,936; Sept. 3.

Woodward, Edward F., Seattle, Wash. Interchangeable toolholder. 2,407,201; Sept. 3.

Work, Robert H.: *See*—
O'Kelly, Arlie A., Plucker, and Work.

Worthington, Emory W.: *See*—
Taylor, Auburn, and Worthington.

Young, Charles A., Springfield, Ohio. Combined release fire and straight fire gun. 2,406,980; Sept. 3.

Young, Charles A., Springfield, Ohio. Combined release fire and straight fire gun. 2,406,981; Sept. 3.

Young, Charles E., Kansas City, Mo. Portable burglar alarm. 2,407,122; Sept. 3.

Young, Norman H., Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation. Intelligence transmission system. 2,406,880; Sept. 3.

Young, Norman H., Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation. Method and system for communicating intelligence. 2,406,881; Sept. 3.

Young, Norman H., Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio impulse system. 2,406,882; Sept. 3.

Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Line and halftone reproduction. 2,407,211; Sept. 3.

Zabriskie, William F., assignor to Gabriel Steel Company, Detroit, Mich. Barrel storage rack. 2,406,937; Sept. 3.

Zehrbach, Edgar L., Lima, Ohio. Reaming. 2,406,938; Sept. 3.

Zworykin, Vladimir K., Philadelphia, Pa., and J. Hillier, Cranbury, N. J., assignors to Radio Corporation of America. Electronic vibration detecting apparatus. 2,406,982; Sept. 3.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Controlling system, Crane. M. G. Clay. Re. 22,785; Sept. 3.
Extraction process. W. J. D. van Dijck. Re. 22,788; Sept. 3.
Hydrocarbons, Manufacture of high anti-knock. A. R. Goldsby. Re. 22,786; Sept. 3.
Plow. A. A. Scarlett. Re. 22,787; Sept. 3.

LIST OF DESIGN INVENTIONS

Actuator for movable parts of an airplane or the like, Motor driven. C. F. Hilgeman. 145,522; Sept. 3.
Airplane. E. R. Thompson. 145,545; Sept. 3.
Bar or similar article, Portable. C. H. Hasche. 145,521; Sept. 3.
Body, Automobile. H. P. Post and L. C. McMullen. 145,534; Sept. 3.
Border or similar article, Wallpaper. A. Westrate. 145,547–54; Sept. 3.
Brooch or similar article. B. Darvie. 145,511; Sept. 3.
Brooch or similar article. A. Katz. 145,525–6; Sept. 3.
Brooch or similar article. A. Philippe. 145,533; Sept. 3.
Cabinet, Combined coin storage and display. A. E. Eckert. 145,515; Sept. 3.
Cabinet, Radio. R. D. Budlong. 145,507; Sept. 3.
Cap, Container. P. A. Derham. 145,512; Sept. 3.
Carrousel. L. M. Glasco. 145,518; Sept. 3.
Chair. R. P. Ralston. 145,535; Sept. 3.
Coat. H. Redman. 145,537; Sept. 3.
Container, Flower. R. I. McLellan and W. J. Field. 145,530; Sept. 3.
Cooker, Pressure. R. T. Watts and F. C. Rudolph. 145,546; Sept. 3.
Fishing reel. H. I. Mandolf. 145,529; Sept. 3.
Game board. I. Altman. 145,501; Sept. 3.
Heater, Electric. J. B. Swartzbaugh. 145,544; Sept. 3.
Holder, Hand line. C. H. Badgley. 145,503; Sept. 3.
Holder, Lipstick. J. D. Buckingham. 145,506; Sept. 3.
Jacket. N. Finkelstein. 145,517; Sept. 3.
Nozzle, Spray. H. Richards. 145,538; Sept. 3.
Platter or similar article, Steak. B. H. Adler. 145,500; Sept. 3.
Radio receiver. P. Brinkman. 145,508; Sept. 3.
Retarder, Descent. P. M. Lewis. 145,527; Sept. 3.
Ring, Finger. B. Esh. 145,516; Sept. 3.
Rug or similar article of manufacture, Scatter. A. D. Clist. 145,510; Sept. 3.
Settee. B. Sky. 145,541; Sept. 3.
Shaker or similar article, Condiment. K. A. Hodil. 145,523; Sept. 3.
Shelf unit, Whatnot. P. J. York. 145,555; Sept. 3.
Shoe or similar article. E. Ziniti. 145,556; Sept. 3.
Stamp, Hand. R. K. Duke. 145,514; Sept. 3.
Suit. H. Redman. 145,536; Sept. 3.
Suit, Lady's. M. Millard. 145,531; Sept. 3.
Support, Reel. M. M. Clink. 145,509; Sept. 3.
Table or similar article. C. W. and A. O. Hart. 145,519–20; Sept. 3.
Table. B. Sky. 145,539–40; Sept. 3.
Table. B. Sky. 145,542; Sept. 3.
Toy boat. S. Orkin. 145,532; Sept. 3.
Toy, Pounding. S. L. Beder. 145,504; Sept. 3.
Toy, Push. D. M. Auchard. 145,502; Sept. 3.
Toy vehicle. C. Dodegge. 145,513; Sept. 3.
Trowel. O. Hoffman. 145,524; Sept. 3.
Truck, Hand. A. H. Beidelman, Jr. 145,505; Sept. 3.
Washing machine and wringer or similar article, Combined. C. W. Sundberg. 145,543; Sept. 3.
Writing paper, Sheet of. S. Little. 145,528; Sept. 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. R. F. Bardwell and J. H. Smith. 2,406,789; Sept. 3.
Accounting and filing system. H. Weston. 2,407,119; Sept. 3.
Accounting machine. T. J. Watson. 2,407,196; Sept. 3.
Acyl dicyandiamides and salts thereof. D. W. Kaiser and J. T. Thurston. 2,407,161; Sept. 3.
Adhesive. P. Stamberger. 2,407,038; Sept. 3.
Adhesives and producing same. T. Daur and W. Daniel. 2,407,143; Sept. 3.
Agricultural implement. F. L. Dewey. 2,407,064; Sept. 3.
Agricultural implement. J. Morkoski. 2,407,094; Sept. 3.
Agricultural implement. J. Morkoski. 2,407,173; Sept. 3.
Air cleaner. C. G. Troxler. 2,406,931; Sept. 3.
Air-conditioning control. E. R. Snavely. 2,407,036; Sept. 3.
Aircraft. E. A. Stalker. 2,406,921; Sept. 3.
Aircraft. E. A. Stalker. 2,406,924; Sept. 3.
Aircraft, Control of. E. A. Stalker. 2,406,919; Sept. 3.
Aircraft having boundary layer controlled wings. E. A. Stalker. 2,406,923; Sept. 3.
Air operated clutch. G. R. Tremolada. 2,407,043; Sept. 3.
Airplanes, Retractable control element for toy. N. E. Walker. 2,406,874; Sept. 3.
Alarm device for automobiles. P. T. Gorton. 2,407,073; Sept. 3.
Alcohol, Treating polyvinyl. J. Dahle. 2,407,061; Sept. 3.
α-amino-α-alkoxybutyric acids and preparing the same. Q. P. Cole and R. O. Roblin. 2,407,203; Sept. 3.
Antenna system. P. S. Carter. 2,407,057; Sept. 3.
Anticorrosion plug. M. E. Chandler. 2,406,993; Sept. 3.
Anticorrosion plug. H. A. Lockwood. 2,407,023; Sept. 3.
Antiskid chain. G. O. Coates. 2,406,995; Sept. 3.
Apparatus for controlling rotation. H. A. Satterlee. 2,406,855; Sept. 3.
Apparatus for controlling rotation. H. A. Satterlee. 2,406,856; Sept. 3.
Apparatus for molding concrete. K. V. Lindkvist. 2,407,168; Sept. 3.
Apparatus for responding to magnetic fields. V. V. Vacquier. 2,406,870; Sept. 3.
Apparatus for responding to magnetic fields. V. V. Vacquier. 2,407,202; Sept. 3.
Apparatus for testing containers. W. A. Darrah. 2,407,062; Sept. 3.
Apparatus for the control of highway crossing signals. C. F. Lower. 2,406,955; Sept. 3.
Apparatus for the electroplating of bearing shells. C. F. Matthews. 2,406,956; Sept. 3.
Apparatus for the manufacture of formaldehyde. P. Schideler and R. S. Richardson. 2,406,908; Sept. 3.
Apparatus for use in stiffening uppers of shoes. J. J. Brophy. 2,406,738; Sept. 3.
Applying machine, Overcap. A. E. Almgren. 2,406,784; Sept. 3.
Articles in electrolytic treatment, Handling small. C. T. Elwin. 2,407,145; Sept. 3.
Atomizer. H. E. Curry. 2,406,997; Sept. 3.
Attachments for toilets. J. B. Haley. 2,407,005; Sept. 3.
Awning. H. Mashmeyer. 2,407,026; Sept. 3.
Barrel storage rack. W. F. Zabriskie. 2,406,937; Sept. 3.
Beacon, Glide path. A. Alford. 2,406,734; Sept. 3.
Bearing assembly, Shaft. J. A. Newton and N. Hoertz. 2,406,891; Sept. 3.
Beverage bottle carrier. M. Fox. 2,406,756; Sept. 3.
Bicycle seat. G. Lively. 2,406,783; Sept. 3.
Bin, Coffee. D. M. McBean. 2,406,886; Sept. 3.
Binder for containing a textbook and note sheets. N. R. Atwood. 2,406,785; Sept. 3.
Binding-strap, Applying metal. R. F. McMahan. 2,407,090; Sept. 3.
Birthday cake candle holder. M. H. Koretzky. 2,406,777; Sept. 3.
Blankets, Making insulating. W. B. Byers. 2,406,801; Sept. 3.
Body construction, Vehicle. G. Trautvetter. 2,407,112; Sept. 3.
Bolt, Self-locking. D. A. Kahn. 2,407,160; Sept. 3.
Box: *See*—
Nail box.
Brace for railway cars, Adjustable lading. J. McMullen. 2,407,091; Sept. 3.
Brake: *See*—
Trailer brake.
Brake. J. A. Forbes. 2,406,754; Sept. 3.
Brake mechanism. G. E. Porter. 2,407,097; Sept. 3.
Breathing apparatus. P. E. Meidenbauer, Jr. 2,406,888; Sept. 3.
Bridge, Trestle. J. A. Dorst. 2,406,814; Sept. 3.
Building, Sectional. E. S. Guignon, Jr. 2,407,004; Sept. 3.
Burglar alarm, Portable. C. E. Young. 2,407,122; Sept. 3.
Burner. W. S. Sutton. 2,407,188; Sept. 3.
Bus, Articulated. K. Henrichsen. 2,407,007; Sept. 3.
Bus duct. L. W. Cole and H. Jensen. 2,407,142; Sept. 3.
Butter manufacture. A. W. Farrall. 2,406,819; Sept. 3.
Cabinet: *See*—
Toilet or the like cabinet.
Cable straightener. A. Taramaschi. 2,407,040; Sept. 3.
Camera. W. C. Huebner. 2,406,770; Sept. 3.
Camera, Folding photographic. D. G. Hunter. 2,406,772; Sept. 3.
Carburetion system for internal-combustion engines. L. A. Serrano. 2,406,913; Sept. 3.
Carrier: *See*—
Beverage bottle carrier. Game carrier.
Carrier for full-fashioned knitting machines. R. J. Scheller. 2,407,103; Sept. 3.
Casing for truck and freight car heaters. P. A. and E. M. Anderson, Sr., E. W. Hansen, and J. H. Edwards. 2,407,124; Sept. 3.
Casting, Centrifugal. H. G. Specht. 2,406,860; Sept. 3.
Catalyst. J. W. Teter. 2,406,929; Sept. 3.
Catalyst preparation. J. D. Upham. 2,406,869; Sept. 3.
Catalytic alkylation process. J. B. Kirkpatrick, J. J. Somers, and A. N. Sachanen. 2,406,776; Sept. 3.
Catalytic alkylation process. A. A. O'Kelly, J. Plucker, III, and R. H. Work. 2,407,033; Sept. 3.
Cathode-ray device. R. P. Johnson and W. R. Grams. 2,407,082; Sept. 3.
Cellulosic structures, Producing. H. S. Rothrock. 2,406,905; Sept. 3.
Centrifugal pump. A. J. Harlamoff. 2,406,947; Sept. 3.
Cereal cutter. F. C. Ielfield. 2,406,773; Sept. 3.
Chain: *See*—
Antiskid chain.
Chemical compound and preparation thereof. A. M. Clifford and J. G. Lichty. 2,407,138; Sept. 3.
Chuck. E. R. Koppel. 2,407,083; Sept. 3.
Circuit: *See*—
Triode oscillator circuit.
Circular saw and dado cover. J. F. Wolfe. 2,406,979; Sept. 3.
Cleaner: *See*—
Air cleaner. Suction cleaner.
Clipper, Hair. R. B. Anderson. 2,406,986; Sept. 3.
Closure device for rendering bottles nonrefillable. J. S. del Llano. 2,407,063; Sept. 3.
Closure for paper containers. F. J. O'Brien. 2,406,894; Sept. 3.
Closure, Furnace. C. H. West. 2,407,047; Sept. 3.
Clutch: *See*—
Air operated clutch. Multiple disk energizing clutch.
Friction clutch.
Clutch. J. E. Kostur. 2,407,019; Sept. 3.
Coat hanger. H. O. Joseph. 2,407,015; Sept. 3.
Communicating intelligence, Method and system for. N. H. Young, Jr. 2,406,881; Sept. 3.
Communication and distance determining system. I. Wolff. 2,407,199; Sept. 3.
Communication in pipe lines. E. W. Smith. 2,406,859; Sept. 3.
Communication system, High-frequency electrical. P. K. Chatterjea and L. W. Houghton. 2,406,803; Sept. 3.
Compensator for fuel pumps, Altitude. M. A. Trisler. 2,406,973; Sept. 3.
Connector: *See*—
Electric connector.
Container and making same, Fuel. S. Rethorst. 2,406,903; Sept. 3.
Container with nesting feature, Adhesive tape. W. F. Punte. 2,406,900; Sept. 3.
Containers, Closing sheet metal. H. Schrader. 2,406,911; Sept. 3.
Containers made of paper and making the same. M. E. Gazette. 2,406,758; Sept. 3.
Control and ignition system for fuel burners. C. K. Strobel. 2,406,925; Sept. 3.
Control arrangement for coupled tuned circuits, Feed back. E. Green. 2,407,074; Sept. 3.
Control device, Motor. R. W. Lavender. 2,407,084; Sept. 3.
Control, Electrically operated. N. E. Walker. 2,406,873; Sept. 3.
Control for gaseous fuel burners, Safety. S. G. Eskin and C. K. Strobel. 2,406,752; Sept. 3.
Control mechanism. S. K. Malek. 2,407,170; Sept. 3.
Control system and mechanism for heat processing machines. V. A. Fox. 2,406,822; Sept. 3.
Control system, Electric. W. N. Gittings and A. W. Bateman. 2,407,072; Sept. 3.
Control system, Fluid-actuated. D. MacKenzie. 2,407,018; Sept. 3.
Control system for synchronous machines, Field. F. H. Winter. 2,407,121; Sept. 3.

Control system, Motor. J. D. Lewis. 2,406,782; Sept. 3.
Controlling mechanism. L. A. Maxson. 2,407,088; Sept. 3.
Cooker and ricer, Combination. D. F. Hosman. 2,406,769; Sept. 3.
Correction apparatus, Keystone. J. A. Buckbee. 2,406,740; Sept. 3.
Corrective arrangement, Distortion. H. G. Busignies. 2,406,799; Sept. 3.
Corrector, Rotary position. A. G. Richardson and F. O. Chesus. 2,406,853; Sept. 3.
Counter. J. Noonan. 2,406,962; Sept. 3.
Coupler, Color. A. Weissberger, C. J. Kibler, and P. W. Vittum. 2,407,210; Sept. 3.
Coupling: *See*—
  Flexible coupling.
Cover: *See*—
  Circular saw and addo cover.
Cross shaft mounting. J. J. Wharam and C. P. Pinardi. 2,406,933; Sept. 3.
Cup, Oil. E. W. Davis. 2,406,746; Sept. 3.
Curtain, Theatre. B. H. and G. W. Lohmuller. 2,407,024; Sept. 3.
Cutout device, Hydraulic. C. A. Pugh and A. W. Say. 2,406,899; Sept. 3.
Cutter: *See*—
  Cereal cutter. Rotary cast cutter.
  Profiling milling cutter.
Cutting and tenoning machine, Pipe. G. H. Rosenboom. 2,407,101; Sept. 3.
Cycle, Heat. J. Kreitner and F. Nettel. 2,407,166; Sept. 3.
Delivery mechanism, Sheet. A. B. Woodruff. 2,406,936; Sept. 3.
Demonstration apparatus. K. H. Emerson. 2,406,751; Sept. 3.
Detecting device, Electronic vibration. V. K. Zworykin and J. Hillier. 2,406,982; Sept. 3.
Determining the position of an object in space, System for. H. M. Lewis. 2,406,953; Sept. 3.
Device for measuring changes of distance between two relatively movable parts. I. Benkoe. 2,406,793; Sept. 3.
Device for use with helically-wound coils. A. V. Nichol. 2,406,961; Sept. 3.
Device for vacuum sealing containers. E. B. Hughes. 2,406,771; Sept. 3.
Direction finder. G. S. Burroughs. 2,406,798; Sept. 3.
Direction finder with filter. H. G. Busignies. 2,407,800; Sept. 3.
Distance and direction determination system. I. Wolff. 2,407,198; Sept. 3.
Doll and constructing same, Alternating cloth. H. F. and H. M. Chu. 2,406,994; Sept. 3.
Door latch. R. C. Cerf. 2,407,133; Sept. 3.
Doors, Sealed. H. J. Buttner. 2,406,942; Sept. 3.
Doubler, Frequency. W. T. Brown. 2,406,739; Sept. 3.
Drive, Engine starter. B. W. Jones. 2,407,158; Sept. 3.
Drive mechanism, Fountain inker. A. Taylor and E. W. Worthington. 2,406,928; Sept. 3.
Driving means for rotary valves of internal-combustion engines, compressors, and the like. F. M. Aspin. 2,407,127; Sept. 3.
Driving mechanism. J. M. Tyler and S. K. Hoffman. 2,407,114; Sept. 3.
Driving mechanism, Vehicle. L. R. Buckendale. 2,406,797; Sept. 3.
Earring construction. P. A. Raiche. 2,407,098; Sept. 3.
Electric air position indicator. W. H. T. Holden. 2,406,830; Sept. 3.
Electric connector. R. G. Olson. 2,406,895; Sept. 3.
Electrode, Spark plug. L. B. Pfeil. 2,406,966; Sept. 3.
Electron discharge apparatus. J. H. Fremlin. 2,406,824; Sept. 3.
Electron discharge apparatus. J. R. Pierce. 2,406,850; Sept. 3.
Electron discharge device. F. D. Goodchild. 2,406,827; Sept. 3.
Electron discharge device. G. R. Kilgore, W. R. Ferris, and C. Shulman. 2,407,163; Sept. 3.
Eliminator for gyroscopic compasses, Damping. B. A. Wittkuhns and P. Chantemerle. 2,406,879; Sept. 3.
Emulsifying agents produced from glycol glucosides and their production. W. C. Griffin. 2,407,003; Sept. 3.
Emulsions, Bituminous. J. E. Fratis and E. H. Oakley. 2,406,823; Sept. 3.
Engine: *See*—
  Internal-combustion engine.
Envelope machine. J. L. Oberender. 2,407,174; Sept. 3.
Ester fibers, Modified cellulose. R. E. Fothergill, J. W. Hill, and A. A. Johnson. 2,406,755; Sept. 3.
Excluding means for sliding windows, Insect. F. F. Golkowski. 2,406,761; Sept. 3.
Explosive composition. R. C. Glogau. 2,407,151; Sept. 3.
Eyeshield. J. E. Du Bois. 2,406,998; Sept. 3.
Eyeshield, Horse. K. Miller. 2,407,029; Sept. 3.
Fabrics and making the same, Flame-resistant and water repellent. J. L. Kurlychek. 2,406,779; Sept. 3.
Facsimile system. E. M. Deloraine, H. G. Busignies, and L. A. de Rosa. 2,406,811; Sept. 3.
Facsimile system and method. E. M. Deloraine, H. G. Busignies, and L. A. de Rosa. 2,406,812; Sept. 3.
Feed means, Yarn. E. Killian. 2,406,775; Sept. 3.
Feeder: *See*—
  Sheet feeder.
Fibers, Drafting of. E. L. Richardson. 2,407,100; Sept. 3.
Filamentary materials, High tenacity. G. W. Seymour and W. Brooks. 2,407,105; Sept. 3.
Filamentary materials, Method and apparatus for crimping. J. E. Spalding and D. B. Wicker. 2,407,108; Sept. 3.
File drawer follower. B. Bradner. 2,407,055; Sept. 3.
Filing machine. J. Belada. 2,407,053; Sept. 3.
Filter: *See*—
  Readily cleanable filter. Wave filter.
Filter. C. G. Vokes. 2,407,194; Sept. 3.
Filter for fluid flow systems. W. O. Tait. 2,407,190; Sept. 3.
Firearm. G. J. Hyde. 2,407,157; Sept. 3.
Fischer synthesis. A. K. Redcay. 2,406,851; Sept. 3.
Fish, Treating. C. M. Savrda. 2,406,907; Sept. 3.
Fishhook, Automatic. F. Schwarzer. 2,406,912; Sept. 3.
Flatiron. R. O. Spencer. 2,407,110; Sept. 3.
Flexible coupling. L. Wallerstein, Jr. 2,406,875; Sept. 3.
Flexible joint. D. C. Holmes. 2,407,155; Sept. 3.
Fluid pump gasketing, High-pressure. W. T. Tabb. 2,406,927; Sept. 3.
Fluid-tight radio shielded joint. J. R. Harkness. 2,407,076; Sept. 3.
Follow-up mechanism. L. E. Wood. 2,407,200; Sept. 3.
Forming machine. G. O. Conner. 2,406,808; Sept. 3.
Frame for railway car trucks, Side. H. W. Stertzbach. 2,406,862; Sept. 3.
Freezing apparatus. H. W. Clum. 2,407,058; Sept. 3.
Friction clutch. A. Croft. 2,407,060; Sept. 3.
Fruit, Pitting. G. W. Ashlock, Jr. 2,407,126; Sept. 3.
Fuel system, Multiple tank. D. Samiran. 2,406,854; Sept. 3.
Furoic acid and furoic acid salts, Manufacturing. A. P. Dunlop. 2,407,066; Sept. 3.
Fusions containing magnesium chloride, Preparation of. J. L. Wood and R. B. MacMullin. 2,406,935; Sept. 3.
Game carrier. C. H. McMillan. 2,407,172; Sept. 3.
Garment. E. T. Nunn. 2,406,893; Sept. 3.
Garment and manufacturing the same, Full-fashioned knitted. L. Silman. 2,406,969; Sept. 3.
Gasoline and the production thereof. W. A. Bailey, Jr., and B. S. Greensfelder. 2,407,052; Sept. 3.
Gear for engines and other machines, Governing. F. J. Tippen. 2,407,042; Sept. 3.
Gearing, Engine starter. J. E. Buxton. 2,407,132; Sept. 3.
Gearing, Resilient drive. H. C. Edwards. 2,407,144; Sept. 3.
Generator for secret telecommunication systems, Square coding wave. K. R. Wendt and A. V. Bedford. 2,406,978; Sept. 3.
Glazing unit, Laminated glass. J. H. Boicey. 2,406,939; Sept. 3.
Glove, Gauntlet. H. E. Boyce. 2,406,991; Sept. 3.
Glycol glucosides and derivatives thereof. W. C. Griffin. 2,407,002; Sept. 3.
Governor. S. M. Udale. 2,407,115; Sept. 3.
Governor, Fuel pump. R. J. Ifield. 2,407,013; Sept. 3.
Grading machine. McS. Lupton. 2,406,842; Sept. 3.
Grinding and polishing surfaces, Method and apparatus for. B. E. Luboshez. 2,407,206; Sept. 3.
Grinding machine, Wood. F. W. Roberts. 2,406,904; Sept. 3.
Grip and closure for cartons, Hand. R. V. Thompson. 2,407,111; Sept. 3.
Grommet assembly, Conductor. R. T. Relf. 2,406,852; Sept. 3.
Guard, Tire inflation. N. and B. Winarsky. 2,407,049; Sept. 3.
Guide system, Dielectric wave. M. D. Fiske. 2,407,069; Sept. 3.
Gun sight. J. D. Tear and C. W. Buckley. 2,407,191; Sept. 3.
Gun, Combined release fire and straight fire. C. A. Young. 2,406,980–1; Sept. 3.
Gun, Riveting. L. C. Huck. 2,406,949; Sept. 3.
Gyroscopic device. J. R. Moore. 2,406,845; Sept. 3.
Halogenation. A. F. Benning and J. D. Park. 2,407,129; Sept. 3.
Handle for safety razors. J. W. Anderson. 2,406,984; Sept. 3.
Handling apparatus, Sheet. A. A. Saul. 2,406,857; Sept. 3.
Handling device, Variable delivery fluid. D. J. Orr. 2,406,965; Sept. 3.
Handling machine, Coin. O. E. Hoffman, E. W. Quirk, and W. H. Sprenger. 2,406,948; Sept. 3.
Handwheel attaching means. H. McCarthy. 2,406,957; Sept. 3.
Hanger: *See*—
  Coat hanger.
Harrow, Disk. E. S. Thompson. 2,406,866; Sept. 3.
Head for wells, Adaptor. L. C. Hudson. 2,407,010; Sept. 3.
Heat control. E. Olson. 2,407,095; Sept. 3.

Heating system for buildings, Electric. W. N. Mann and E. Lawrenson. 2,406,884; Sept. 3.
Holder: *See*—
  Birthday cake candle holder. Key holder.
  Interchangeable tool holder.
Hydrocarbon oils, Desalting of. N. L. Dickinson. 2,406,748; Sept. 3.
Hydrocarbonaceous solids, Treatment of. R. B. Day. 2,406,810; Sept. 3.
Hydrocarbons, Alkylation of. L. A. Clarke. 2,407,136–7; Sept. 3.
Hydrocarbons, Alkylation of isoparaffinic. C. B. Linn. 2,406,954; Sept. 3.
Hydrocarbons, Isomerization of saturated. H. Pines. 2,406,967; Sept. 3.
Hydrocarbons, Manufacture of. C. L. Thomas. 2,406,864; Sept. 3.
Impulse system, Radio. N. H. Young, Jr. 2,406,882; Sept. 3.
Incandescent lamp life, Methods of and apparatus for increasing. D. H. Tuck. 2,407,113; Sept. 3.
Indicator: *See*—
  Electric air position indicator. Visual position and phase sense indicator.
  Radio pulse indicator.
Indicator for harbor defense, Plotter. E. W. Springer. 2,406,861; Sept. 3.
Ink, Lithographic printing. D. J. Bernardi and R. T. Florence. 2,406,795; Sept. 3.
Ink, Printing. P. Whyzmuzis and H. Linkletter. 2,406,878; Sept. 3.
Insect repellant. B. G. Wilkes. 2,407,205; Sept. 3.
Insecticide. B. H. Thurman. 2,407,041; Sept. 3.
Insulation, Multilayer. T. M. Elfving. 2,406,815; Sept. 3.
Insulator for concentric transmission lines. W. F. Fell. 2,406,945; Sept. 3.
Interchangeable tool holder. E. F. Woodward. 2,407,201; Sept. 3.
Internal-combustion engine. E. Ryder. 2,407,102; Sept. 3.
Internal-combustion turbine. L. B. Kimball. 2,407,164; Sept. 3.
Jack. A. E. W. Johnson and J. R. Orelind. 2,407,080; Sept. 3.
Jet propulsion, System of. M. Summerfield. 2,406,926; Sept. 3.
Jetty with stabilizer. G. W. Rehfeld. 2,407,034; Sept. 3.
Joint: *See*—
  Flexible joint.
  Fluid-tight radio shielded joint.
Joint and making same, Conductor. T. H. Clark. 2,406,805; Sept. 3.
Key holder. A. N. Hanna. 2,407,153; Sept. 3.
Latch: *See*—
  Door latch.
Launching and landing mat for airplanes, Portable. H. H. Crafton. 2,407,059; Sept. 3.
Laundry machine. W. J. Asher. 2,407,125; Sept. 3.
Lighting fixture, Gaseous discharge tube. H. R. Owen. 2,406,896; Sept. 3.
Lignocellulosic materials, Treating. G. H. and G. H. Tomlinson, Jr. 2,406,867; Sept. 3.
Line and halftone reproduction. J. A. C. Yule. 2,407,211; Sept. 3.
Lining, Furnace. H. N. Clark. 2,407,135; Sept. 3.
Lining material and producing the same, Cap. W. G. Palmer. 2,406,898; Sept. 3.
Loader, Beet. C. W. Walz and R. D. Griff. 2,406,976; Sept. 3.
Loading and storing pineapples, Method and apparatus for. B. J. Butler. 2,406,992; Sept. 3.
Loading machine, Ball. F. B. Kalister. J. O. Stafford, and F. J. Konyvka. 2,407,016; Sept. 3.
Locating radiated-signal reflectors, System for. A. V. Loughren. 2,407,169; Sept. 3.
Lubricant and lubricating surfaces therewith. F. J. Sowa. 2,406,971; Sept. 3.
Lubricants. F. J. Sowa. 2,407,037; Sept. 3.
Lubricated traveler ring. F. S. Pollock, Jr. 2,406,901; Sept. 3.
Lubricating composition, Mineral oil. E. Lieber and A. F. Cashman. 2,407,087; Sept. 3.
Machine for metering cement to lenses. W. T. Sherwood. 2,407,208; Sept. 3.
Mail box. E. J. Axnix. 2,407,128; Sept. 3.
Manual, Service inspection. D. B. Erminger. 2,407,067; Sept. 3.
Matching device, Impeding. E. Labin and J. H. Nye. 2,406,839; Sept. 3.
Messages for transmission, Preparing facsimile. A. E. Thompson and R. D. Salmon. 2,406,865; Sept. 3.
Meter: *See*—
  Oscillating disk meter.
Microfilm viewer. J. K. Holbrook. 2,407,009; Sept. 3.
Microgauge system, Electric. C. F. Coake. 2,407,140–1; Sept. 3.
Mold for use in the manufacture of optical elements. D. P. Cooper, Jr. 2,406,742; Sept. 3.
Molding materials under heat and pressure. H. J. Luth, H. B. Scheidemantel, and S. R. Krupnick. 2,406,843; Sept. 3.
Mop, Self-squeezing. P. M. Jackson. 2,406,950; Sept. 3.
Motor: *See*—
  Pneumatic motor.
  Quick converting capacitor motor.
Motor and control system for motors, Electric. J. D. Lewis. 2,406,781; Sept. 3.
Mounting: *See*—
  Cross shaft mounting. Sheave mounting.
  Refrigerator motor - compressor mounting.
Multiple disk energizing clutch. H. T. Lambert. 2,407,022; Sept. 3.
N-benzyl-N-alkyl morpholinium compounds. J. B. and V. Niederl, and M. E. McGreal. 2,406,892; Sept. 3.
Navigation system, Instrument. C. B. Watts, Jr. 2,406,876; Sept. 3.
Needlework with tied loops, Knotted. R. F. Morcaldi D'. 2,407,031; Sept. 3.
Nitrocellulose film base, Stabilization of. D. R. Swan and J. M. Calhoun. 2,407,209; Sept. 3.
Nozzle, valve, and valve disk fastening means, Dispensing. C. F. Sievers. 2,406,914; Sept. 3.
Oil field waters, Purifying. H. Schiller and A. Shapiro. 2,407,180; Sept. 3.
Oil-soluble sulphonates, Purification of. W. K. Griesinger. 2,406,763; Sept. 3.
1-hydroxyphenol-3-aminobutane and their production, Derivatives of. F. Kulz. 2,407,167; Sept. 3.
Optical system. D. S. Grey. 2,406,762; Sept. 3.
Oscillating disk meter. A. R. Whittaker. 2,406,877; Sept. 3.
Oscillator, Piezoelectric. H. Benioff. 2,406,793; Sept. 3.
P-phenylene diamines, Producing. I. F. Salminen and A. Weissberger. 2,407,207; Sept. 3.
Pan, Multiple baking. A. L. Langel. 2,407,021; Sept. 3.
Paraffin isomerization process. C. O. Tongberg and H. J. Hall. 2,406,868; Sept. 3.
Pectase, Preparing. H. T. Leo and C. C. Taylor. 2,406,840; Sept. 3.
Pencil. A. P. Shelly. 2,407,106; Sept. 3.
Perforator for well casing, Gun. M. O. Johnston. 2,407,081; Sept. 3.
Phenols, Manufacture of. D. Tyrer. 2,407,044; Sept. 3.
Phenols or salts thereof, Manufacture of. D. Tyrer. 2,407,045; Sept. 3.
Picker for looms. W. A. Blanchard. 2,407,054; Sept. 3.
Pin: *See*—
  Pivot pin.
Piston. R. R. Tector. 2,407,192; Sept. 3.
Piston ring. C. and M. W. Marien. 2,406,844; Sept. 3.
Pitting machine. G. W. Ashlock, Jr. 2,406,736; Sept. 3.
Pivot pin. W. E. Brill. 2,406,940; Sept. 3.
Plaster, Set stabilized. H. F. Gardner. 2,406,757; Sept. 3.
Plastics. H. A. Bruson and G. B. Butler. 2,407,131; Sept. 3.
Plate, Fracture. M. G. Hardinge. 2,406,832; Sept. 3.
Plate, Rotary sine index. E. P. Saunders. 2,406,906; Sept. 3.
Plates of cellulose material, Making shallow baking. H. F. Waters. 2,407,118; Sept. 3.
Plates to their bases, Securing printing. H. J. Luehrs. 2,406,883; Sept. 3.
Plow, Buster gang. H. C. Harris. 2,407,006; Sept. 3.
Plug: *See*—
  Anticorrosion plug.
Plugboard. D. R. Platt and A. E. Gray. 2,407,176; Sept. 3.
Pneumatic motor. E. W. Davis. 2,406,747; Sept. 3.
Power control. G. M. Holley, Jr. 2,407,078; Sept. 3.
Power production in combustion turbines, Improving. J. Kreitner and F. Nettel. 2,407,165; Sept. 3.
Power unit for traveling cranes. G. A. Mitchell. 2,406,889; Sept. 3.
Press. H. V. Allison. 2,407,123; Sept. 3.
Pressing machine, Sole. C. F. Fitzgerald. 2,406,753; Sept. 3.
Privacy system for speech transmission. N. R. French. 2,406,825; Sept. 3.
Processing machine, Heat. V. A. Fox. 2,406,821; Sept. 3.
Profiling milling cutter. A. Kutscha. 2,406,780; Sept. 3.
Projectile, Sound recording. L. A. Elmer and C. A. Lovell. 2,406,816; Sept. 3.
Projector, Ray. H. P. Donle. 2,407,065; Sept. 3.
Pump: *See*—
  Centrifugal pump. Variable delivery and reversing pump.
  Rotary pump.
Punching device, Can. J. Hansen. 2,406,831; Sept. 3.
Pyridine 3-sulphonic acid and its salts, Production of. E. T. Tisza and B. F. Duesel. 2,406,972; Sept. 3.
Pyrolysis products of chlorodifluoromethane, Separating. A. F. Benning, F. B. Downing, and J. D. Park. 2,406,794; Sept. 3.
Quick converting capacitor motor. W. W. Warner. 2,407,117; Sept. 3.
Rack: *See*—
  Barrel storage rack.
  Water-cooled ammunition rack.
Radiating system, Multisignal. A. Alford. 2,406,735; Sept. 3.

Radio device for indicating doppler effect. J. Evans. 2,407,000; Sept. 3.
Radio pulse indicator. J. P. Smith. 2,406,970; Sept. 3.
Radio relaying. H. Tunick. 2,407,212–13; Sept. 3.
Range finder, Continuous. F. W. Durgin. 2,406,999; Sept. 3.
Range finder, height finder, and like measuring instrument. J. M. Strang and C. Foster. 2,407,186–7; Sept. 3.
Ratiometer, Electrical. M. G. McBride. 2,406,887; Sept. 3.
Razor. J. W. Anderson. 2,406,983; Sept. 3.
Razor. J. W. Anderson. 2,406,985; Sept. 3.
Razor W. L. Mills. 2,407,030; Sept. 3.
Readily cleanable filter. C. G. Vokes. 2,407,046; Sept. 3.
Reaming. E. L. Zehrbach. 2,406,938; Sept. 3.
Recorder attachment and card guide, Time. W. A. Kraus. 2,407,020; Sept. 3.
Recorder, Automatic graph drawing. V. Guillemin, Jr. 2,406,764; Sept. 3.
Recording composition, Instantaneous. A. B. Savage. 2,407,179; Sept. 3.
Rectifier. C. A. Clarke. 2,406,806; Sept. 3.
Refractories, Plastic bonding basic. R. A. Schoenlaub. 2,406,909; Sept. 3.
Refractory materials, Treatment of. R. A. Schoenlaub. 2,406,910; Sept. 3.
Refrigeration apparatus. W. P. Jones. 2,407,159; Sept. 3.
Refrigerator motor-compressor mounting. W. P. Jones. 2,407,014; Sept. 3.
Regulated liquid pressures, System for producing. W. C. Clothier, B. Naylor, and J. E. P. Dunning. 2,407,139; Sept. 3.
Remote-control system. R. L. Novak. 2,406,848; Sept. 3.
Resins resulting from polymerization of an isopropenyl ketone, Stabilization of. D. E. Adelson and H. Dannenberg. 2,407,051; Sept. 3.
Resistance device for generating oscillations or reducing damping, Negative. P. K. Chatterjea and C. T. Scully. 2,406,804; Sept. 3.
Resistor, Fixed. L. E. McFarren. 2,407,171; Sept. 3.
Riboflavin and intermediates therefor, Synthesis of. J. Kamlet. 2,406,774; Sept. 3.
Ring: *See*—
Lubricated traveler ring. Piston ring.
Roll, Hair. W. Huppert. 2,407,011; Sept. 3.
Roof, Panelled steel. J. S. Swann. 2,406,863; Sept. 3.
Rotary cast cutter. B. L. Cryar. 2,406,744. Sept. 3.
Rotary pump. D. H. Millard. 2,406,959; Sept. 3.
Rotary switch. G. H. Erb. 2,406,818; Sept. 3.
Rotor, Brake. R. Watts. 2,407,197; Sept. 3.
Rubber composition. F. J. Soday. 2,407,183; Sept. 3.
Rubber reclaim. H. H. Thompson. 2,407,193; Sept. 3.
Sacker, Potato. H. L. Keller. 2,407,017; Sept. 3.
Safety device. S. M. Udale and W. R. Buick. 2,407,116; Sept. 3.
Safety device for dump trucks. A. D. L. Hutchinson. 2,407,012; Sept. 3.
Salts of dithiocarbamic acids, Preparation of heavy metal. A. M. Neal and B. M. Sturgis. 2,406,960; Sept. 3.
Sapogenin oxidation products and preparing the same. R. E. Marker. 2,406,885; Sept. 3.
Saw apparatus, Portable timber cutting. E. C. McLean. 2,407,028; Sept. 3.
Scraper. H. C. French and N. V. Kuehlman. 2,406,826; Sept. 3.
Screwdriver, Safety. A. M. Josepho. 2,406,952; Sept. 3.
Sealing together two pieces of waterproof fabric, and the seam formed thereby. H. H. Haman and C. E. Whalen. 2,406,830; Sept. 3.
Seat: *See*—
Bicycle seat.
Setting device on mechanical and electrical measuring instruments. P. Hildebrand and A. Metz. 2,407,154; Sept. 3.
Sewing machine. I. M. A. Garcia. 2,407,148; Sept. 3.
Sheave mounting. B. L. Myers. 2,407,032; Sept. 3.
Sheet feeder. C. W. Harrold. 2,406,765; Sept. 3.
Sheet feeder. C. W. Harrold. 2,406,766; Sept. 3.
Sheet material, Method and apparatus for cutting or punching. H. H. Mohaupt. 2,407,093; Sept. 3.
Sheet or tile, Wall surface. D. C. Luse. 2,407,025; Sept. 3.
Sheets, Registering. A. Neuhart. 2,406,847; Sept. 3.
Shoe. J. E. Taber, Jr., and K. L. Keene. 2,407,189; Sept. 3.
Shoe, Brake. W. T. Rossell. 2,407,035; Sept. 3.
Shoe, Picking. B. W. Brouwer. 2,407,056; Sept. 3.
Shoes, Making slip lasted. J. J. Walsh. 2,406,975; Sept. 3.
Shuttle, Loom. J. J. Kaufmann, Jr. 2,407,162; Sept. 3.
Sighting apparatus. D. L. Colbath. 2,406,807; Sept. 3.
Sighting apparatus, Optical. C. S. Grimshaw. 2,406,828; Sept. 3.
Signal apparatus, Engine. M. E. Chandler. 2,407,134; Sept. 3.
Signaling, Submarine. B. M. Harrison. 2,406,833; Sept. 3.
Sizing composition and yarn sized therewith. H. R. Dittmar. 2,406,749; Sept. 3.
Slip, Brassière. A. Novick. 2,406,849; Sept. 3.
Slot and floating pin assembly for automatic push rods, Hammer. H. H. Engemann. 2,406,817; Sept. 3.
Slurrying aluminum chloride for hydrocarbon conversion processes. W. E. Kruse, C. W. Nysewander, and J. A. Bolt. 2,406,778; Sept. 3.
Snap switch. R. J. McFall. 2,407,089; Sept. 3.
Soap-like preparations. A. L. Rawlins. 2,406,902; Sept. 3.
Soap, Making salt water. J. Blades. 2,407,130; Sept. 3.
Solenoid valve. H. T. Sparrow. 2,407,184; Sept. 3.
Sounding device, Echo. P. Orlich, G. Negel, and H. Hartz. 2,407,175; Sept. 3.
Splicer, Core. C. C. Frame. 2,407,070; Sept. 3.
Splint, Fracture. R. Anderson. 2,406,987; Sept. 3.
Spreader having adjustable feed mechanism, Manure. W. F. Schmied. 2,407,104; Sept. 3.
Stabilized polyvinyl fluoride. F. L. Johnston. 2,406,837; Sept. 3.
Stabilized 2-chlor-butene-2. C. B. Gardenier. 2,407,149; Sept. 3.
Stable dispersions of alkyl alkacrylate polymers, Preparation of. J. E. Smith. 2,407,107; Sept. 3.
Staging, Adjustable. O. Aukland. 2,406,786; Sept. 3.
Staple fiber, Production of. R. A. Smith. 2,407,109; Sept. 3.
Starch and method, Thick pasting. L. O. Gill and J. W. McDonald. 2,407,071; Sept. 3.
Starter drive, Engine. M. P. Whitney, J. E. Buxton, and D. L. Miller. 2,407,048; Sept. 3.
Stretcher, Foldable. G. B. Leather and W. H. Wallbanks. 2,407,085; Sept. 3.
Strip processing. G. P. Wilson. 2,407,120; Sept. 3.
Substitutes, Manufacture of cream. R. D. Mason and A. C. Justesen. 2,407,027; Sept. 3.
Suction cleaner. L. K. Acheson. 2,406,733; Sept. 3.
Suction cleaner. D. G. Smellie. 2,406,915; Sept. 3.
Sugar derivatives. W. C. Griffin. 2,407,001; Sept. 3.
Sulphonamide derivatives of melamine and their production. R. O. Roblin, Jr., and P. S. Winnek. 2,407,177; Sept. 3.
Sulphur dioxide, Production of. A. C. Mohr. 2,406,890; Sept. 3.
Sulphuric acid regenration. N. Titlestad. 2,406,930; Sept. 3.
Supply for electron microscopes, Power. A. W. Vance. 2,406,974; Sept. 3.
Surfaces with powder, Coating. C. P. Fagan. 2,407,146; Sept. 3.
Suspended matter from suspensions, Removing. H. F. Fisher and A. C. Peck. 2,406,820; Sept. 3.
Switch: *See*—
Rotary switch. Snap switch.
Synchronizing system. K. R. Wendt. 2,406,977; Sept. 3.
Tablet, Vitamin B-complex. W. A. Compton and R. S. Nicholls. 2,406,741; Sept. 3.
Tag or the like, Reflected price. E. E. Crowson. 2,406,743; Sept. 3.
Teaching device, Music. F. A. Firestone. 2,406,946; Sept. 3.
Telegraph system. W. M. Bacon. 2,406,787; Sept. 3.
Telegraph system. H. H. Haglund and A. W. Breyfogel. 2,406,829; Sept. 3.
Telephone or like signaling system. C. Gillings, C. E. Beale, and T. B. Terroni. 2,407,150; Sept. 3.
Television, Color. P. C. Goldmark. 2,406,760; Sept. 3.
Testing device, Tack. R. E. Bonner and M. D. Brewster. 2,406,989; Sept. 3.
Throttle control. P. M. Waite. 2,406,872; Sept. 3.
Tire removing apparatus. G. F. Cooley. 2,406,996; Sept. 3.
Tires, Building pneumatic. J. I. Haase. 2,407,152; Sept. 3.
Toilet or the like, Cabinet. J. H. Dyett. 2,406,750; Sept. 3.
Top, Trailer. D. E. Bramble. 2,406,737; Sept. 3.
Toy, Construction. B. R. Glukes. 2,406,759; July 3.
Trailer brake. J. T. Horne. 2,407,156; Sept. 3.
Trains of electric impulses, Arrangement for receiving predetermined. G. C. Hartley, L. P. Lowry, and F. H. Bray. 2,406,834; Sept. 3.
Transceiver for sound, Directive. H. C. Hayes. 2,406,767; Sept. 3.
Transmission line, Adjustable. N. V. Fedotoff. 2,407,147; Sept. 3.
Transmission of sound and other waves, System for the electric. W. A. Beatty and L. W. Houghton. 2,406,790; Sept. 3.
Transmission, Speed indicator. S. Hamilton. 2,407,077; Sept. 3.
Transmission system, Intelligence. L. A. de Rosa. 2,406,813; Sept. 3.
Transmission system, Intelligence. N. H. Young, Jr. 2,406,880; Sept. 3.
Transmission system, Secret. M. M. Levy. 2,406,841; Sept. 3.
Transmitting intelligence. J. A. Herbst. 2,406,835; Sept. 3.
Transmitting system, Wave. M. D. Fiske and J. M. Lafferty. 2,407,068; Sept. 3.
Tray for egg treating machines, Holding. W. G. Howard. 2,407,079; Sept. 3.
Triazolo (d) pyrimidines and preparing the same. J. P. English, J. R. Vaughan, Jr., and R. O. Roblin, Jr. 2,407,204; Sept. 3.
Triode oscillator circuit. A. A. Varela. 2,406,871; Sept. 3.
Tube ends, Closing bag. D. Belcher. 2,406,791; Sept. 3.

Tube from a strip, Forming corrugated. S. J. Carter. 2,406,948; Sept. 3.
Tubing, Capping. M. Curtze. 2,406,745; Sept. 3.
Tubing, Forming bent. F. M. Kepler. 2,406,838; Sept. 3.
Twisting apparatus, Yarn. O. A. Hitt. 2,406,768; Sept. 3.
Two and one direction silent overriding and positive driving overriding mechanism. C. H. Richards. 2,407,099; Sept. 3.
2-ethylhexyl phosphates. T. F. Carruthers. 2,406,802; Sept. 3.
2,6-nitro chlor benzyl alcohol, Preparing. F. Sievenpiper. 2,407,182; Sept. 3.
Typewriting machine. R. Von Reppert. 2,407,195; Sept. 3.
Ultra high frequency power measurement. A. M. Gurewitsch. 2,407,075; Sept. 3.
Valve: *See*—
Solenoid valve.
Valve seat insert assembly and assembly method and means. S. H. Norton. 2,406,963; Sept. 3.
Valve structure, Combination. J. A. Brooks. 2,406,941; Sept. 3.
Vanadium, Recovery of. A. Hixson and R. Miller. 2,407,008; Sept. 3.
Variable delivery and reversing pump. D. J. Orr. 2,406,964; Sept. 3.
Vehicle. R. E. and E. W. Choate. 2,406,944; Sept. 3.
Vehicle. G. G. McNamara, Jr. 2,407,092; Sept. 3.
Ventilation system and apparatus, Crankcase. D. G. Roos. 2,407,178; Sept. 3.
Vinyl chloride, Manufacture of. H. M. Stanley. 2,407,039; Sept. 3
Visual position and phase sense indicator. J. E. Shepherd and J. D. Mallett. 2,406,858; Sept. 3.
Vitamin products, Antianemia. J. J. Pfiffner, S. B. Binkley, E. S. Bloom, and A. D. Emmett. 2,407,096; Sept. 3.
Warps, Method of and apparatus for use in preparing weaming. J. Bolton. 2,406,988; Sept. 3.
Water-cooled ammunition rack. J. H. Davis, R. W. Matthews, and N. G. McLean. 2,406,809; Sept. 3.
Wave conversion. H. Tunick. 2,406,932; Sept. 3.
Wave filter. F. R. Bies. 2,406,796; Sept. 3.
Waxes and greases, Artificial. S. L. Scott. 2,407,181; Sept. 3.
Weighing and dispensing apparatus. R. E. Williams and L. J. Nowak, Jr. 2,406,934; Sept. 3.
Weighing apparatus embodying a totalizing mechanism, Automatic. A. E. Page. 2,406,897; Sept. 3.
Winding machine. A. H. Muller. 2,406,846; Sept. 3.
Winding machine, Plate. H. W. Seher. 2,406,968; Sept. 3.
Window construction, especially for rail cars. J. Ledwinka and G. Trautvetter. 2,407,086; Sept. 3.
Wing. E. A. Stalker. 2,406,917–18; Sept. 3.
Wing. E. A. Stalker. 2,406,920; Sept. 3.
Wing. E. A. Stalker. 2,406,922; Sept. 3.
Wing, Flow. H. Allen and R. N. Bean. 2,407,050; Sept. 3.
Wing with flap enclosing a blower means. E. A. Stalker. 2,407,185; Sept. 3.
Wings and other aerodynamic bodies. E. A. Stalker. 2,406,916; Sept. 3.
Wool, Chemically modified. D. M. McQueen. 2,406,958; Sept. 3.
Wrapper, etc., Antifungus. G. C. Borden, Jr., and K. R. Karlson. 2,406,990; Sept. 3.
Wringer. G. H. Jantz. 2,406,951; Sept. 3.
Wringer, Clothes. A. P. Barcus. 2,406,788; Sept. 3.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 3, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 11: 2,407,090
2— 14: 2,406,998
42: 2,406,893
73: 2,406,849
162: 2,406,991
4— 231: 2,407,005
5— 82: 2,407,085
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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U. S. GOVERNMENT PRINTING OFFICE: 1946

Patents Nos. 2,407,214 to 2,407,623

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 590—No. 2 TUESDAY, SEPTEMBER 10, 1946 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

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Trade-Marks	238	No. 423,673	to No. 423,910,	inclusive.
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Reissues	3	No. 22,789	to No. 22,791,	inclusive.
Patents	410	No. 2,407,214	to No. 2,407,623,	inclusive.
Designs	38	No. 145,557	to No. 145,594,	inclusive.
Total	833			

Public Law 620—79th Congress

[Chapter 775—2d Session]

[H. R. 4080]

AN ACT

To authorize the Commissioner of Patents to designate Examiners to serve temporarily as Examiners in Chief.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That notwithstanding the provisions of section 476 of the Revised Statutes (U. S. C., title 35, sec. 2), the Commissioner of Patents is authorized to designate Examiners of the Principal Examiner grade or higher, having the requisite ability, to serve as Examiners in Chief and such Examiners so designated shall be fully qualified to act as members of the Board of Appeals constituted by section 482 of the Revised Statutes (U. S. C., title 35, sec. 7): *Provided,* That no such Examiner shall so serve for more than ninety days in any calendar year but thereafter they shall have authority to act and sign decisions and papers necessary to complete action on cases heard during such ninety days: *And provided further,* That not more than one such Examiner shall be among the members of the Board of Appeals hearing an appeal.

Sec. 2. This act shall take effect on the date of approval and shall expire three years after such date.

Approved August 7, 1946.

Order No. 4079

August 16, 1946.

The following units of the United States Patent Office are hereby transferred from Richmond, Va., to Gravelly Point, Washington, D. C., beginning on or about September 30, 1946:

The First Assistant Commissioner's Office;
The Law Examiner's Office;
The Supervisory Examiners' Office;
The Law Library;
The Drafting Division;
The parts of the following divisions still remaining in Richmond:
The Chief Clerk's Office;
The Personnel Office;
The Issue and Gazette Division;
The Docket Clerk's Division;
The Financial Clerk's Division;
The Mail Room;
The Assignment Division;
The Stockroom;
The following Examining Divisions: 1, 2, 4, 5, 8, 9, 11, 12, 13, 14, 17, 18, 19, 20, 22, 28, 29, 30, 32, 33, 34, 35, 36, 39, 40, 44, 45, 46, 47, 49, 52, 53, 57, 58, 61, and 62; and any and all units or parts thereof now remaining in Richmond.

THOMAS F. MURPHY,
Acting Commissioner.

Approved for change of station:

H. A. WALLACE,
Secretary of Commerce.

Notice of Cancellation

U. S. Patent Office, *Richmond, Va., August 21, 1946.*

American Gear Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Burd Piston Ring Company, 2401 Tenth Street, Rockford, Ill., to effect the cancellation of trade-mark registration of American Gear Company, 212 South Horton Street, Jackson, Mich., No. 228,726, dated June 7, 1927, and the notice of such proceeding sent by registered mail to the said American Gear Company, at the said address, having been returned by the post office undeliverable, notice is hereby given that unless said American Gear Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business August 23, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 122,708; Trade-Mark Division, 9,909. Oldest new case, March 18, 1945; oldest amended, March 21, 1945.)

(The dates given are 1945 except where † indicates 1946.)

	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
		New	Amended	
1.	GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Apr. 30	June 11	2203
2.	HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	May 18	June 5	2090
3.	SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	May 23	May 19	1911
4.	BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Aug. 2	Aug. 11	2154
5.	ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 1	3392
6.	GENIESSE, E. W., Carbon Chemistry (part)	Oct. 10	Oct. 11	1671
7.	JARBOE, C. G., Optics, Photography	Oct. 19	Oct. 9	2041
8.	IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 18	July 26	2875
9.	BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 16	Apr. 19	2068
10.	ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	July 9	July 7	1473
11.	BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Sept. 7	†Jan. 21	641
12.	SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	May 31	June 21	2335
13.	BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 13	June 28	1927
14.	HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Sept. 20	Sept. 17	1354
15.	HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	May 26	Sept. 12	1242
16.	LOVEWELL, N. N., Telegraphy; Telephony	Aug. 24	Aug. 18	1193
17.	HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 10	Mar. 21	1105
18.	KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	May 28	June 29	1689
19.	PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 17	Sept. 17	1520
20.	BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 6	June 9	1701
21.	THOMPSON, T. J., Textiles	Oct. 24	Nov. 28	757
22.	CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	June 29	1774
23.	LEWIS, J. B., Cash Registers; Calculators (part)	May 28	July 13	253
24.	LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Dec. 8	Dec. 22	1079
25.	BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	June 30	July 18	1468
26.	YOUNG, R. R., Electricity—Generation and Motive Power	May 28	June 1	1849
27.	CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	May 10	June 2	1894
28.	SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	May 24	May 4	1333
29.	SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	June 9	June 13	2042
30.	BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	June 27	July 11	2192
31.	DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Feb. 8	†Feb. 6	923
32.	LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Aug. 14	Aug. 30	1824
33.	KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	June 29	July 4	2624
34.	SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	July 26	Aug. 27	1155
35.	BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	July 18	Aug. 31	1749
36.	McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1496
37.	WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 14	May 3	1324
38.	KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Aug. 9	July 3	1198
39.	WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Apr. 24	Apr. 26	2268
40.	DRUMMOND, E. J., Receptacles (part); Packages	Aug. 10	Sept. 14	2230
41.	HERTZ, M., Coin Handling; Recorders; Deposit Receptacles: Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 24	May 18	855
42.	MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Sept. 21	Sept. 21	976
43.	STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	June 8	June 11	1274
44.	HARVEY, L. P., Refrigeration; Preserving	Apr. 11	June 4	1150
45.	LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 5	June 11	2324
46.	MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	July 11	Aug. 9	1326
47.	KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Sept. 28	Sept. 4	2427
48.	BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Apr. 3	Apr. 3	1869
49.	SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 3	Aug. 6	1495
50.	LEVIN, SAMUEL, Synthetic Resins	Sept. 6	Sept. 6	2242
51.	FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	May 30	May 31	2173
52.	KNOTTS, M. K., Supports: Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	May 3	July 2	2870
53.	BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 17	May 7	2958
54.	STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 22	May 22	2051
55.	BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Aug. 10	Aug. 21	1558
56.	COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	July 7	July 12	1495
57.	NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Mar. 18	May 21	2592
58.	DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Nov. 20	Nov. 20	1181
59.	SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	May 14	May 14	2033
60.	GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Aug. 3	1816
61.	YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	June 7	June 21	2337
62.	PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 2	Apr. 5	3227
63.	WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	June 2	June 7	1982
64.	NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Jan. 7	†Jan. 8	1087
65.	McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	May 12	May 10	2339
	TRADE-MARKS: RICHMOND, F. A	Dec. 14	†Apr. 2	9909
	DESIGNS: KALUPY, H. H	Nov. 21	†May 27	6519

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Mork

No. 5,142. Decided May 7, 1946

[155 F.(2d) 276; 69 USPQ 527]

1. Appeal—Decision.

Where the Board of Appeals agreed with the Examiner's analyses of the disclosures of appellant's application and the references, *Held* that "it was not incumbent upon it to state in minute detail the reasons for its agreement, even though it might properly have done so."

2. Same—Jurisdiction.

"We have quoted appellant's suggestion to the effect that we disregard the action of the Examiner and the Board and 'start from scratch' in comparing the claims and the references. The suggestion is somewhat novel to say the least of it. It would seem to require that the court assume the functions of the Primary Examiner which we may not do. The statute defines our duty and limits our authority. We are required to review the decision of the Board affirming the decision of the Examiner when that decision is adverse to an appellant, and our review must be confined to the errors alleged in the reasons of appeal. Obviously, we cannot disregard a decision and at the same time review it."

3. Patentability—Fairlead.

Claims to a fairlead for a two-drum winch *Held* unpatentable over the prior art.

4. Same—Invention—"Crowded Art."

"It may be that appellant's activity was in a 'crowded art,' or field, but unless his modification required the exercise of the inventive faculty, he may not be granted a patent because of such modification."

Appeal from the Patent Office. Affirmed.

Mr. Roger Sherman Hoar for Mork.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

Garrett, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting four claims, numbered 6, 7, 9, and 11 of appellant's application for a patent for alleged "Improvements in Fairleads for Winches." No claims were allowed.

We quote the claims as follows:

6. In a fairlead for a two-drum winch, the combination of: a base; a T-shaped mast, comprising an erect portion and a cross-piece at the top of the erect portion; two fixed sheaves, each journaled on one end of the cross-piece; a bar secured across one face of the erect portion of the mast, parallel to the cross-piece of the mast; two swivel sheaves; two housings, one being for each swivel sheave, each housing having a swivel-axle; two sockets carried by the base, one being for each axle; two sockets carried by the bar, one being for each axle; and means for removably securing the mast to the base, so as to demountably secure the swivel housings.

7. In a fairlead for a two-drum winch, the combination of: a base; a deck-plate; a T-shaped mast, supported by the deck-plate, and comprising an erect portion and a cross-piece at the top of the erect portion; two sheave-housings, one being rigidly mounted at the extreme end face of each end of the cross-piece; a fin along the cross-piece, rigidly secured thereto and to the two sheave-housings; two sheaves, one being journaled in each sheave housing; two swivel-housings, swiveled on the base and mast; and two sheaves, one being journaled in each swivel-housing.

9. In a fairlead for a two-drum winch, the combination of: a base; a T-shaped mast, supported by the base, and comprising an erect portion and a cross-piece; and two sheaves each journaled on one end of the cross-piece.

11. A fairlead according to claim 7, further characterized by the fact that the erect portion of the mast is made out of a single piece of sheet metal bent into a C horizontal cross-section.

The following general description is taken from the decision of the board:

This application is concerned with improvements in winches of the type used with tractors. The winch is of the two drum type in which the drums are in alignment. These drums are supported by a base member bolted to the rear end of the tractor frame, and are activated from the power take-off of the tractor. The base frame extends over the drums and to this part is attached a plate carrying an upright mast of T-shape. To the head or cross member of this mast are pivoted two sheaves, one on each end of the head. About midway of the pedestal of the mast is attached a horizontal bar having openings for two sheave housings. These housings have pintles mounted in the openings in this plate and at the bottom there are smaller bearings for the lower ends of the pintles. Within these housings are sheaves over which ropes pass to the work not shown.

In rejecting the claims the Examiner cited the following references: Le Tourneau, 1,912,645, June 6, 1933; Lawler, 2,301,782, November 10, 1942; Hutchins, 2,312,552, March 2, 1943; French, 2,321,905, June 15, 1943.

It is noted that the Le Tourneau patent was cited in connection with the rejection of claim 6, and also another claim numbered 5, which was dismissed from the appeal before the Board and is not involved here. The Board made no reference to that patent in its decision but it was not overruled as a reference and appellant has covered it in the reasons of appeal before us.

In the brief for appellant each of the claims is separately analyzed and discussed. Before making such analysis, however, the brief set forth a general statement, the substance of which is that the application is in a crowded art; that the "outstanding feature" of appellant's fairlead is that the housings of his upper sheaves are rigidly mounted on the ends of the top piece of a T-shaped mast; that additional details (claimed to be important) are the presence of a bracing-fin extending from sheave-housing to sheave-housing along the top piece of the T and the fact that the stem of the T is C-shaped in horizontal cross-section, and that "Of some cumulative importance" is the method of demounting the swiveled housings of the two lower sheaves by unbolting certain described bolts.

It is alleged that "The whole ensemble produces a more sturdy and compact tractor-winch fairlead than has ever been known before."

Much emphasis is placed upon the allegation that the application is in a crowded art. Appellant concedes that there are many similarities between his fairlead and the fairleads of the references but contends that "the recital of as much as one essential element, patentably distinct from anything in any of the references, should render a claim allowable."

Near the end of the brief five elements, claimed to constitute novel features in appellant's winch, are set forth as follows, the italics being those used in the brief:

First, a T-*shaped* mast. French's sheave-support *approaches T shape*. Hutchins' sheave support *is* T-shaped, it is true, but is associated with his sheaves in a manner not at all comparable with appellant's device.

Secondly, the *rigid* mounting of the housings of the upper sheaves transversely *on the end faces* of the cross-

piece. None of the references mounts its upper sheaves rigidly on the end faces of *anything*.

Thirdly, the ready demountability of the *swiveled* housings of the two *lower* sheaves (not to be confused with the *rigid* housings of the two upper sheaves mentioned above). Although each of the four references has lower sheaves which are swiveled, none of the references plans to demount its sheaves in the manner claimed by appellant.

Fourthly, the reinforcing fin 32. Not only does none of the references have such a fin—*none of them has even some other form of reinforcement performing the function of such a fin.*

Fifthly, the C-shaped cross-section of the *stem of the mast*. None of the references has this structure. Lawler has merely a D-shaped *flat slab*, which is something quite different.

The brief then adds:

Surely these five features, which singly and in combination make appellant's fairlead the light compact sturdy little tractor-accessory that it is, entitle this fairlead to the limited degree of patent protection which appellant is asking.

The brief criticizes with some severity both the decision of the Examiner and that of the Board.

It alleges, in substance, that the former's analyses of appellant's fairlead and the fairleads of the references are "verbose and complicated"; that he gave most emphasis to features not relied upon by appellant for patentability, and that his rejection was based on a most complicated combining of the references.

Concerning the decision of the Board, the brief asserts, inter alia:

The Board of Appeals of the Patent Office appear to have given this case a very superficial and ununderstanding [sic] consideration. This fact is indicated by their complete failure to grasp the identity of one of the elements relied upon. In this connection, will the court please note that claim 7 * * * calls for:

"a fin along the cross-piece, rigidly secured thereto and to the two sheave-housings";

Elsewhere in the brief it is alleged:

The Examiner's complicated analysis seems to have so bewildered the Board, that in the first place they did not attempt to follow and confirm it, and in the second place they showed their lack of understanding of the structure by misapplying claim 7. * * *

So we suggest that your honors totally disregard the actions of the Examiner and the Board, and start from scratch in a comparison of appellant's claims with the showings of the three reference patents.

In an early part of the brief, counsel for appellant states, in substance, that he was prevented "by urgent personal reasons" from attending the hearing before the Board to make oral argument in consequence of which he submitted on briefs, and expressed regret that he did so submit the case. In connection with this statement the brief before us states:

That the Board did not make sufficient study of the papers to identify correctly the element in which the inventiveness of one of the claims inhered, coupled with the fact of submission to the Board, without argument, is a strong indication that appellant has not yet had his day in court.

Discussing, first, the criticism leveled at the decision of the Examiner, we do not share the view that his statements describing the features of the application and the features of the references are "verbose and complicated" to any objectionable degree. It is true that it required considerable space to analyze them so as to bring out clearly the elements of structure and their arrangement in the combination, but it does not seem to us that the Examiner is subject to criticism for taking the necessary space to explain them.

Of course, the question of whether his application of the references to the disclosures of the application was correct is a matter for legitimate argument, but so far as his descriptions of the features are concerned, we do not find their correctness challenged by appellant.

We deem it unnecessary to our decision, therefore, to quote, or paraphrase, the Examiner's detailed descriptions of the features of the application and those of the references, but we think it proper to quote that part of his statement applying the references to the claims before him. It reads:

The claims have been rejected as follows:

Claims 5 and 6 are rejected as unpatentable over Lawler in view of Le Tourneau, Hutchins and French combined as indicated below. It would be merely following the teachings of Le Tourneau to provide the sheaves 24 of Lawler with an axle and the plates 21 and 22 of Lawler with sockets. It would be merely following the teachings of Hutchins or French to have the mast of Lawler T-shaped. Matching the elements in claim 5 (claim 6 is similar to claim 5) with the equivalent parts in Lawler; "a base" would be the transmission housing A; "a deck-plate" would be plate 12; "a T-shaped mast" would be column 14, the "erect portion," and plate 17, the "cross piece" (the patents to Hutchins and French show constructions having their erect portions supporting their cross pieces in the center and such construction is merely a matter of choice in Lawler); "two fixed sheaves" would be sheaves 18; "each journaled on one end of the cross piece" interpreted broadly would appear to be fairly met by the structure of Lawler wherein sheaves 18 are journaled in housings secured to the ends of plate 17; "a bar secured across one face of the mast" is plate 21 which is integrally secured to plate 12; "two swivel sheaves" would be sheaves 24 when the sheave on the right looking at Fig. 2 of Lawler is in its lower position between plates 21 and 22; "two housings" are the housings for sheaves 24; "each housing having an offset swivel-axle" is structure equivalent to that shown by Lawler and shown in Fig. 2 of Le Tourneau; "two sockets carried by the base" is the plate 22 with its perforations carried by transmission housing A; "two sockets carried by the bar" is the plate 21 with its perforations; "and means removably securing the deck-plate to the base, so as to demountably secure the swivel housings" would be bolts 13 which would removably secure the swivel housings of Lawler with the swivel mounting shown by him or with swivel mountings such as shown by Le Tourneau.

Claim 7 is rejected as unpatentable over Lawler. The particular form of support and bracing used by applicant does not involve invention over Lawler. Many forms of frame and bracing could be used to support the upper sheaves of Lawler and in the absence of a novel result the use of another form than that shown by Lawler would not involve invention. It does not appear to the Examiner that the statement "one being rigidly mounted at the extreme end face of each end of the cross-piece" is sufficiently definite as to how it applies to applicant's own structure to define invention over the structure shown by Lawler or such modifications of Lawler's structure that could be made by those skilled in the art without involving invention.

Claim 9 is rejected as fully met by French.

Claim 11 is rejected as unpatentable over Lawler like claim 7. To do away with plates 15 and 16 in Lawler would not involve invention.

[1] The Board approved the decision of the Examiner for the reasons embraced in his statement following the appeal to it, but it did not give descriptions with the same minuteness as those given by the Examiner. We find no justification for the assertion in the brief for appellant hereinbefore quoted to the effect that the Board seems to have been "so bewildered" by the "Examiner's complicated analysis" that "they did not attempt to follow and confirm it." Had the Board disagreed with the Examiner's analysis, or with his application of the references, doubtless it would have so stated, and given its reasons for disagreement. Since it agreed, it was not incumbent upon it to state in minute detail the reasons for its agreement, even though it might properly have done so.

Furthermore, we find no justification for the assertion in appellant's brief, as hereinabove quoted, to the effect that the Board "showed their lack of understanding of the structure by *misapplying* claim 7." [Italics ours.]

We do not understand just what is meant by the expression "misapplying" the claim.

The particular feature of claim 7 which appellant emphasizes is "a fin along the cross-piece, rigidly secured thereto and to the two sheave-housings."

In its decision the Board said, inter alia: "The patent to Lawler shows at 16 a reinforced web used in much the same manner as appellant's webs 36."

The accuracy of this statement does not appear to be questioned by appellant, but it is insisted that "Appellant is not claiming his webs 36; rather he is claiming his fin 32," and it seems to be his view that the above statement of the Board constituted the basis of the Board's rejection of claim 7.

We do not so understand the Board's decision. It made no specific analysis of any one of the claims, and the statement quoted was simply as to one feature of the Lawler reference.

It is true that the Examiner specifically rejected claim 7 as unpatentable *over* Lawler, but it was not held that Lawler disclosed a fin such as that of appellant. The specific holding reads in part, "Many forms of frame and bracing could be used to support the upper sheaves of Lawler and *in the absence of a novel result* the use of another form than that shown by Lawler would not involve invention." [Italics ours.]

We are not convinced that the holding of the Examiner was erroneous, and, as of course, are not convinced that the Board erred in affirming it.

[2] Hereinbefore we have quote appellant's suggestion to the effect that we disregard the action of the Examiner and the Board and "start from scratch" in comparing the claims and the references. The suggestion is somewhat novel to say the least of it. It would seem to require that the court assume the functions of the Primary Examiner which we may not do. The statute defines our duty and limits our authority. We are required to review the decision of the Board affirming the decision of the Examiner when that decision is adverse to an appellant, and our review must be confined to the errors alleged in the reasons of appeal. Obviously, we cannot disregard a decision and at the same time review it.

[3][4] We have quite carefully considered the decision appealed from in the light of the reasons of appeal and the arguments made thereon, and we are not convinced that appellant's modifications of the prior art constituted invention. It may be that appellant's activity was in a "crowded art," or field, but unless his modification required the exercise of the inventive faculty, he may not be granted a patent because of such modification.

We do not share appellant's view that he did not have his day in court.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

THYMO BORINE LABORATORY

v.

WINTHROP CHEMICAL COMPANY, INC.

No. 5,129. Decided May 7, 1946

[155 F.(2d) 402; 69 USPQ 512]

1. TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.

The thyroid extract preparation for treatment of goiter, obesity and kindred ailments, to which appellee applies its registered trade-mark "Thyractin," *Held* to be goods of the same descriptive properties as the antiseptic mouth wash, to which appellant applies the trade-mark "Thy-Rin," since they "are both medicinal, may be sold in drugstores without prescription to the same class of buyers, and are self-administered for medicinal effect."

2. SAME—CONFUSING SIMILARITY.

Held that appellant's mark "Thy-Rin" is made up in the same order of the same letters as appellee's registered mark "Thyractin," except for the omission of three intermediate letters; that the marks "are more similar than different in spelling, appearance and sound;" and that "there is a strong likelihood that confusion would arise between them in the spoken word, memory and writing."

3. SAME—SAME—SOUND—HYPHEN.

Held that the hyphen in appellant's mark "Thy-Rin" has no significance in speech.

4. SAME—SAME.

In regard to the marks "Thy-Rin" and "Thyractin," *Held* that the former might be termed a telescoped version of the latter.

APPEAL from the Patent Office. Affirmed.

Mr. Ira Milton Jones for Thymo Borine Laboratory.

Mr. James F. Hoge, Mr. L. B. Stoughton, and *Mr. E. F. Wenderoth* for Winthrop Chemical Company, Inc.

JACKSON, *J.*:

This is an appeal in a trade-mark opposition proceeding wherein the Commissioner of Patents affirmed, 63 USPQ 94, a decision of the Examiner of Trade-Mark Interferences sustaining the notice of opposition and adjudging that appellant is not entitled to register its trade-mark "Thy-Rin" as applied to an "antiseptic mouth wash."

In its notice of opposition appellee alleged that the mark "Thy-Rin" as used by appellant is applied to merchandise of the same descriptive properties as a product of appellee to which is applied its trade-mark "Thyractin," registration No. 301,090, dated February 14, 1933, and that the marks of the parties are of such near resemblance "as to be likely to cause confusion or mistake in the mind of the public" and "to deceive purchasers." The allegations in the notice of opposition were traversed by appellant's answer.

The registered mark of appellee is applied to a "thyroid extract preparation for treatment of goiter, obesity, [and] kindred ailments."

The case was submitted below on a joint stipulation of facts in which it appears that appellee's use of its mark was prior to that of appellant, so that the only issues are whether or not the goods of the parties are of the same descriptive properties, and if it be decided that they are, whether the involved trade-marks are so similar as to warrant the sustaining of the notice of opposition.

It appears in the stipulation that appellee is in the business of manufacturing, distributing and selling many medicinal and pharmaceutical preparations to which many different trade-marks are applied, including "Thyractin" and other preparations for "general antiseptic uses including use as an antiseptic mouth wash;" that its product to which the mark "Thyractin" is applied is in tablet form for oral use with water and is "widely advertised to the drug trade and medical profession" and "extensively sold in drugstores throughout the United States." While usually procured by prescription or as directed by a physician, "Thyractin" may be, and at times is, purchased by the general public without prescription.

The product of appellant as it appears from the stipulation is a germicidal mouth wash which may be used in either diluted or undiluted form and is sold to the general public in drug, five-and-ten, and department stores. It is advertised to the public chiefly in newspapers. It is frequently used in the treatment of oral conditions such as sore throat, trench mouth and gingivitis on the advice of physicians or dentists where the condition may be such that professional attention is required. It is generally used, however, as an antiseptic mouth wash.

In the stipulation the parties agreed that antiseptic mouth washes are medicinal in character within the meaning of the Federal Food, Drug and Cosmetic Act, 52 Stat. L. 1040, and that the medical and dental professions, druggists and pharmacists so regard them.

The Examiner of Interferences held the involved goods of the parties to possess the same descriptive properties within the meaning of the Trade-Mark Act because even though specifically different they are in the nature of medicinal products, "at times at least both products are sold in the same trade channels by the same method of distribution, to the same class of customers," and that therefore there seemed to be a likelihood that purchasers of the involved goods of the parties might reasonably believe they originated in a common source.

The Examiner also held the marks to be confusingly similar. He noted that the mark "Thy-Rin" consists of all the letters of the mark "Thyractin" omitting only the letters "act," and concluded that such omission was not enough to differentiate the marks so as to negative likelihood of confusion.

The reasoning of the Examiner was in effect followed, and was approved, in the Commissioner's decision.

[1] In our opinion the involved products of the parties are of the same descriptive properties.

It is true, as pointed out in the Commissioner's decision, that appellant's mouth wash and appellee's thyroid tablets would in all likelihood "be recognized as different preparations adapted for different uses" and that as far as their specific natures are concerned confusion would be unlikely. However, they are both medicinal or pharmaceutical preparations and appellee, as before stated, produces and sells a large number of preparations of that kind, including an antiseptic preparation used as a mouth wash for oral and dental hygiene. In view of the fact that the goods of the parties are both medicinal, may be sold in drugstores without prescription to the same class of buyers, and are self-administered for medicinal effect, we are convinced that they are goods of the same descriptive properties. *Noll* v. *Krembs*, 22 C. C. P. A. (Patents) 722, 73 F.(2d) 491, 23 USPQ 282, 450 O. G. 503.

[2][3] In comparing the involved marks of the parties, their difference and similarity in sound and appearance are obvious. They are more similar than different in spelling, appearance and sound, and in our opinion there is a strong likelihood that confusion would arise between them in the spoken word, memory and writing. The slight difference in the spelling of the marks appears to be overshadowed by their close similarities. The hyphen in appellant's mark has no significance in speech. Furthermore, appellant's mark is made up in the same order of the same letters as the involved mark of appellee, except for the omission of three intermediate letters.

[4] While we have repeatedly stated that in trade-mark litigation such as in this case prior decisions are of little assistance, and that each case must be determined on its own facts, we think this court has been consistent in its opinions with respect to likelihood of confusion between marks when questions similar to that presented here have been decided. In the case of *The Procter & Gamble Co.* v. *J. L. Prescott Co.*, 18 C. C. P. A. (Patents) 1433, 49 F.(2d) 959, 9 USPQ 454, 413 O. G. 1105, the mark "Oxol" as applied to a disinfectant, cleaner and bleacher and put up in bottles was held to be confusingly similar to the mark "Oxydol" for soap powder in paper cartons; in *Barton Manufacturing Company* v. *Hercules Powder Co.*, 24 C. C. P. A. (Patents) 982, 88 F.(2d) 708, 33 USPQ 105, 483 O. G. 459, "Dishine" for a cleaning compound was held to be confusingly similar to "Dyanshine" used for a polish on leather goods; in *In re Dutch Maid Ice Cream Company*, 25 C. C. P. A. (Patents) 1009, 95 F.(2d) 262, 37 USPQ 202, 495 O. G. 221, "Dutch Maid" applied to ice cream was held to be unregistrable in view of "Dutchland Made" also for ice cream; in *Otard, Inc.*, v. *Italian Swiss Colony, etc.*, 31 C. C. P. A. (Patents) 955, 141 F.(2d) 706, 61 USPQ 131, 565 O. G. 6, the term "Calognac" for California brandy was held to be confusingly similar to "Cognac" for brandy from the Cognac region of France; in the case of *International Vitamin Corp. Etc.* v. *Winthrop Chemical Co., Inc.*, 32 C. C. P. A. (Patents) 899, 147 F.(2d) 1016, 64 USPQ 574, 574 O. G. 7, the mark "Blexin" applied to a vitamin B complex preparation was held to be confusingly similar to the mark "Betaplexin" for a like preparation. There we observed that the former of those marks might be termed a telescoped version of the latter. The same observation might be made here.

Since in our opinion the involved goods of the parties are of the same descriptive properties and the concurrent use of the marks as applied thereto is likely to cause confusion in the mind of the purchasing public as to origin and deceive purchasers, the decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CROSTHWAIT, JR. ET AL.

No. 5,145. Decided May 7, 1946. Petition for rehearing denied June 7, 1946

[155 F.(2d) 394; 69 USPQ 606]

1. PATENTABILITY—TEMPERATURE CONTROL APPARATUS.
The appealed claims to a Wheatstone bridge temperature control apparatus *Held* unpatentable over the prior art.

2. CLAIM—FUNCTIONAL STATEMENTS.
"It is stated in claim 5 that the means connected in two branches of the bridge for increasing or decreasing the rate of heat supply may be automatically or manually adjustable. There is, however, no recitation of structure defining those means and therefore those statements cannot impart patentability to the claim."

APPEAL from the Patent Office. Affirmed.

Mr. Harvey M. Gillespie (*Mr. Karl Fenning* of counsel) for Crosthwait, Jr. et al.

Mr. W. W. Cochran for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting as unpatentable over the prior art claims 3 to 6 inclusive of an application for a patent for a "Balanced Resistance Type Temperature Control Apparatus." Claims 7 to 17 inclusive were allowed by the Examiner.

Claims 3 and 4 are illustrative of the subject matter and read as follows:

3. In a Wheatstone bridge temperature control apparatus, means for setting the rate of heat supply in proportion to the rate of heat loss through an outside window, and a dual potentiometer comprising simultaneously adjusted resistances in two branches of the bridge for increasing or decreasing the rate of heat supply corresponding to any given temperature at the inner surface of the window, and also increasing or decreasing the rate of change of heat supply for equal increments of change in the temperature at the inner surface of the window.

4. Means for controlling the temperature within a space, comprising a valve for regulating the flow of heating medium to the space, motor-mechanism actuated at regularly spaced intervals for setting the valve, and a Wheatstone bridge apparatus associated with the motor-mechanism to determine the extent and direction of the valve adjustments, the bridge comprising means for setting the rate of heat supply in proportion to the rate of heat loss through an outside window, and means connected in two bridge branches for increasing or decreasing this rate.

The references relied upon are: Otis, 2,012,285, August 27, 1935; Coleman, 2,246,575, June 24, 1941; Russel, 2,279,52, April 14, 1942.

Appellants have invented an apparatus by means of which the heat supply in a space to be heated is automatically controlled to a desired temperature. The supply of the heating medium (steam in the device illustrated in the application) to the radiators is through a valve, the operation of which is controlled by two separate means in a Wheatstone bridge. One means in a branch of the bridge includes a thermostat called a "window-selector." It is fixed to the inner surface of an outside glass window and is responsive to the temperature there. It is intended to measure the loss of heat, if any, from the room. The other means in a different branch is called a "heat-balancer," and consists of two electric circuits in each of which is a resistance coil. One coil is below a radiator and one above it. The resistance of the coils becomes greater with increase in temperature. The difference between the resistances indicates the rate of heat being supplied.

When the temperature at the window becomes lower than the desired room temperature the apparatus must be so operated that the heat output increases to make up for the heat loss. In other words the steam valve is so regulated that the rate of heat supply indicated by the "heat-balancer" just offsets the rate of heat loss shown by the "window-selector." By balancing those rates a constant room temperature is obtained.

The circuits which include the "window-selector" and the "heat-balancer" are connected with a galvanometer in which there is a pointer registered at zero when sufficient steam is being supplied to keep the temperature at a determined level. The pointer moves to the right making connections with a relay in the bridge when more heat is required, thus bringing into action a valve-opening motor which further opens the steam valve, resulting in more heat being supplied to the system. When less heat is required the pointer turns to the left, activating a valve-closing motor lessening the valve opening. The opening and closing of the valve is in short regularly spaced intervals. On opposite sides of the galvanometer in separate branches of the Wheatstone bridge are two simultaneously knob-adjustable potentiometers by means of which the steam supply may be increased or decreased over or under normal as desired.

The Coleman reference relates particularly to Wheatstone bridge circuits for temperature control systems in buildings. It is stated in the specification that the invention is especially suited for use in a temperature control device shown in the patentee's prior Patent No. 2,144,105, dated January 17, 1939. In that patent a Wheatstone bridge circuit is disclosed comprising resistors responsive respectively to outdoor temperature entirely and to the temperature of the heating system. The heat in the space to be heated is said to be regulated in accordance with the relation between the two temperatures, taking the outside temperature as indicating the rate of loss of heat and the tem-

perature of the heating system as an index of the rate of input of heat. The system is so regulated as to keep the resistance of the two thermometers constant.

The Coleman reference substantially shows the structure recited in the appealed claims, and it is not deemed necessary to analyze it in greater detail.

The Russel patent relates to a device for the control of humidity in an enclosed space. It discloses a thermostat control means on the inside surface of a window pane where it is affected by outdoor temperatures.

The Otis patent is for a method of room temperature regulation. The apparatus shown contains a thermostat mounted on the inside of an outside wall and responsive to outdoor temperatures.

The Examiner rejected the appealed claims as unpatentable over the Coleman reference in view of either the Russel or the Otis patents. The Board affirmed the rejection on the same grounds.

[1] Claims 5 and 6 differ from claim 4, the former by the limitation "the bridge comprising means for automatically setting the rate of heat supply," and the latter by the recitation of "a dual potentiometer" as the means for changing the rate of change of the heat supply.

It appears to us that the apparatus described in the appealed claims is not patentably different from that shown in the Coleman reference in view of the other references. In appellants' structure the "window-selector" is on the inside of the window pane and the like means in the Coleman structure is on the outside. Therefore the latter means cannot be affected by the temperature on the inside of the space to be heated as is the former. Appellants stress the fact that their "window-selector" is responsive not only to outdoor temperature but is also slowly affected by the room temperature. It may well be that in appellants' system the placing of the "window-selector" results in a better and more efficient measure of heat loss than the location of the same means in the Coleman structure. But the placing of the thermostat, as disclosed in the Russel patent, on the inside of a window pane is clearly a suggestion to the ordinary skilled worker in the art, and it surely would not require the exercise of invention for appellants to so locate their "window-selector." The same reasoning applies to the Otis patent, wherein the heat control thermostat is on the inside surface of an outer wall. That means is also sensitive to indoor as well as outdoor temperatures. Therefore we hold it would not require invention to locate the outdoor temperature responsive means of the Coleman apparatus on the inside as shown by the Russel and Otis patents.

It is true that in the measuring of "the rate of heat supply in proportion to the rate of heat loss" the "heat-balancer" of appellants measures the difference in temperature between the incoming heat at the bottom of the radiator and the outgoing heat at the top thereof while the inside temperature responsive means of the Coleman patent, more fully described in his Patent No. 2,144,105, is "wrapped about one of the steam or hot water outlet pipes from the boiler." But the temperature of a heated room must depend upon the temperature of the heating medium emanating from the boiler or other heating means. Where the heat at its source is of a higher order the room temperature must be correspondingly raised. Since the inside resistance means of the Coleman device is designed to measure the heat of steam coming from the boiler, it must necessarily measure the heat supply coming into the room. The cooperation between the "window-selector" and the "heat-balancer" of appellants is the same in a patentable sense with respect to the involved claims as that shown by the Coleman reference, wherein the outside thermostat "is taken as an index of the rate of loss of heat from the interior of the building" and "the temperature of the heating system is taken as an index of the rate of heat input to the space." In both systems the bridge is designed to be kept in balance as the increased rate of heat loss is compensated by an increased rate of heat supply. Therefore in our opinion the inside temperature means of Coleman is the equivalent of the "heat-balancer" of the device of appellants.

The Coleman reference discloses a dual potentiometer. Appellants contend that it does not comprise "simultaneously adjusted resistances in two branches of the bridge." The Wheatstone bridge of the Coleman reference shows one of the resistances to be in one branch connected in parallel to the galvanometer and a second containing another resistance in another branch likewise connected. They are simultaneously adjustable by means of a knob so that "the rate of change of heat supplied" may be varied by varying "the relative effects of outdoor temperature and boiler temperature on the supply of heat."

Claim 4 includes "a valve for regulating the flow of heating medium to the space, motor-mechanism actuated at regularly spaced intervals for setting the valve." While the Coleman reference does not specifically show such a mechanism operative at intervals, it refers to the patentee's said earlier patent in which is disclosed a constantly rotating cam for a periodical on-and-off switch. That switch appears to be identical with the switch shown in the present Coleman reference which is clearly designed to operate in the same way as the structure in his earlier patent. The control means of the heat supply in the earlier Coleman patent, in our opinion, is the equivalent of the control valve described in claim 4.

[2] It is stated in claim 5 that the means connected in two branches of the bridge for increasing or decreasing the rate of heat supply may be automatically or manually adjustable. There is, however, no recitation of structure defining those means and therefore those statements cannot impart patentability to the claim. *In re Rundell*, 18 C. C. P. A. (Patents) 1290, 48 F.(2d) 958, 9 USPQ 220, 411 O. G. 537.

The limitation of a dual potentiometer contained in claim 6 has hereinbefore been disposed of.

In our opinion the tribunals below committed no error, and the decision appealed from is affirmed.

Affirmed.

Extract from Atomic Energy Act of 1946

[PUBLIC LAW 585—79TH CONGRESS]

[CHAPTER 724—2D SESSION]

[S. 1717]

AN ACT

For the development and control of atomic energy.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

* * * * * * *

PATENTS AND INVENTIONS

SEC. 11. (*a*) PRODUCTION AND MILITARY UTILIZATION. (1) No patent shall hereafter be granted for any invention or discovery which is useful solely in the production of fissionable material [1] or in the utilization of fissionable material or atomic energy for a military weapon. Any patent granted for any such invention or discovery is hereby revoked, and just compensation shall be made therefor.

(2) No patent hereafter granted shall confer any rights with respect to any invention or discovery to the extent that such invention or discovery is used in the production of fissionable material or in the utilization of fissionable material or atomic energy for a military weapon. Any rights conferred by any patent heretofore granted for any invention or discovery are hereby revoked to the extent that such invention or discovery is so used, and just compensation shall be made therefor.

(3) Any person who has made or hereafter makes any invention or discovery useful in the production of fissionable material or in the utilization of fissionable material or atomic energy for a military weapon shall file with the Commission a report containing a complete description thereof, unless such invention or discovery is described in an application for a patent filed in the Patent Office by such person within the time required for the filing of such report. The report covering any such invention or discovery shall be filed on or before whichever of the following is the latest: (A) The sixtieth day after the date of enactment of this act; (B) the sixtieth day after the completion of such invention or discovery; or (C) the sixtieth day after such person first discovers or first has reason to believe that such invention or discovery is useful in such production or utilization.

(*b*) USE OF INVENTIONS FOR RESEARCH.—No patent hereafter granted shall confer any rights with respect to any invention or discovery to the extent that such invention or discovery is used in the conduct of research or development activities in the fields specified in section 3. Any rights conferred by any patent heretofore granted for any invention or discovery are hereby revoked to the extent that such invention or discovery is so used, and just compensation shall be made therefor.

(*c*) NONMILITARY UTILIZATION.—

(1) It shall be the duty of the Commission to declare any patent to be affected with the public interest if (A) the invention or discovery covered by the patent utilizes or is essential in the utilization of fissionable material or atomic energy; and (B) the licensing of such invention or discovery under this subsection is necessary to effectuate the policies and purposes of this act.

(2) Whenever any patent has been declared, pursuant to paragraph (1), to be affected with the public interest—

(A) The Commission is hereby licensed to use the invention or discovery covered by such patent in performing any of its powers under this act; and

(B) Any person to whom a license has been issued under section 7 is hereby licensed to use the invention or discovery covered by such patent to the extent such invention or discovery is used by him in carrying on the activities authorized by his license under section 7. The owner of the patent shall be entitled to a reasonable royalty fee for any use of an invention or discovery licensed by this subsection. Such royalty fee may be agreed upon by such owner and the licensee, or in the absence of such agreement shall be determined by the Commission.

(3) No court shall have jurisdiction or power to stay, restrain, or otherwise enjoin the use of any invention or discovery by a licensee, to the extent that such use is licensed by paragraph (2) above, on the ground of infringement of any patent. If in any action for infringement against such licensee the court shall determine that the defendant is exercising such license, the measure of damages shall be the royalty fee determined pursuant to this section, together with such costs, interest, and reasonable attorney's fees as may be fixed by the court. If no royalty fee has been determined, the court shall stay the proceeding until the royalty fee is determined pursuant to this section. If any such licensee shall fail to pay such royalty fee, the patentee may bring an action in any court of competent jurisdiction for such royalty fee, together with such costs, interest, and reasonable attorney's fees as may be fixed by the court.

(*d*) ACQUISITION OF PATENTS.—The Commission is authorized to purchase, or to take, requisition, or condemn, and make just compensation for, (1) any invention or discovery which is useful in the production of fissionable material or in the utilization of fissionable material or atomic energy for a military weapon, or which utilizes or is essential in the utilization of fissionable material or atomic energy, or (2) any patent or patent application covering any such invention or discovery. The Commissioner of Patents shall notify the Commission of all applications for patents heretofore or hereafter filed which in his opinion disclose such inventions or discoveries and shall provide the Commission access to all such applications.

(*e*) COMPENSATION AWARDS, AND ROYALTIES.—

(1) PATENT COMPENSATION BOARD.—The Commission shall designate a Patent Compensation Board, consisting of two or more employees of the Commission, to consider applications under this subsection.

(2) ELIGIBILITY.—

(A) Any owner of a patent licensed under subsection (*c*) (2) or any licensee thereunder may make application to the Commission for the determination of a reasonable royalty fee in accordance with such procedures as it by regulation may establish.

(B) Any person seeking to obtain the just compensation provided in subsections (*a*), (*b*), or (*d*) shall make application therefor to the Commission in accordance with such procedures as it may by regulation establish.

(C) Any person making any invention or discovery useful in the production of fissionable material or in the utilization of fissionable material or atomic energy for a military weapon who is not entitled to compensation therefor under subsection (*a*) and who has complied with subsection (*a*) (3) above may make application to the Commission for, and the Commission may grant, an award.

(D) Any person making application under this subsection shall have the right to be represented by counsel.

(3) STANDARDS.—

(A) In determining such reasonable royalty fee, the Commission shall take into consideration any defense, general or special, that might be pleaded by a defendant in an action for infringement, the extent to which, if any, such patent was developed through federally financed research, the degree of utility, novelty, and importance of the invention or discovery, and may consider the cost to the owner of the patent of developing such invention or discovery or acquiring such patent.

(B) In determining what constitutes just compensation under subsection (*a*), (*b*), or (*d*) above, the Commission shall take into account the considerations set forth in paragragh (A) above, and the actual use of such invention or discovery, and may determine that such compensation be paid in periodic payments or in a lump sum.

(C) In determining the amount of any award under paragraph (2) (C) of this subsection, the Commission shall take into account the considerations set forth in paragraph (A) above, and the actual use of such invention or discovery. Awards so made may be paid by the Commission in periodic payments or in a lump sum.

(4) JUDICIAL REVIEW.—Any person aggrieved by any determination of the Commission of an award or of a reasonable royalty fee may obtain a review of such determination in the Court of Appeals for the District of Columbia by filing in such court, within thirty days after notice of such determination, a written petition praying that such determination be set aside. A copy of such petition shall be forthwith served upon the Commission and thereupon the Commission shall file with the court a certified transcript of the entire record in the proceeding, including the findings and conclusions upon which the determination was based. Upon the filing of such transcript the court shall have exclusive jurisdiction upon the record certified to it to affirm the determination in its entirety or set it aside and remand it to the Commission for further proceedings. The findings of the Commission

[1] SEC. 5 (*a*) (1) defines "fissionable material" as follows: "As used in this act, the term "fissionable material" means plutonium, uranium enriched in the isotope 235, any other material which the Commission determines to be capable of releasing substantial quantities of energy through nuclear chain reaction of the material, or any material artificially enriched by any of the foregoing; but does not include source materials, as defined in section 5 (*b*) (1)."

as to the facts, if supported by substantial evidence, shall be conclusive. The court's judgment shall be final, subject, however, to review by the Supreme Court of the United States upon writ of certiorari on petition therefor under section 240 of the Judicial Code (U. S. C., title 28, sec. 347), by the Commission or any party to the court proceeding.

* * * * * * *

Approved August 1, 1946.

Disclaimers

2,227,730.—*John Lynes*, Houston, Tex. INFLATED PACKER TREATING TOOL FOR WELLS. Patent dated Jan. 7, 1941. Disclaimer filed Aug. 6, 1946, by the inventor and the assignee, *Lynes, Inc.*

Hereby enter this disclaimer to that part of the claims 3, 4, 5, and 6 in said specification as follows:

From the scope of claim 3, all treating tools for wells except wherein the means operable so that the pressure liquid will first inflate said packers and thereafter discharge from the tool will also operate to close said packers;

From the scope of claim 4, all treating tools for wells excepting wherein said means operable so that the pressure liquid will first inflate said packers and thereafter will also operate to close said packers against more than a predetermined pressure;

From the scope of claim 5, all tools to apply liquid under pressure except wherein the means to first direct the liquid to inflate said packers and to thereafter effect discharge of liquid between the packers into the well bore will operate upon the closing of the packers against the entry of additional liquid;

From the scope of claim 6, all tools to apply liquid under pressure except wherein the means to first direct the liquid to inflate said packers and to thereafter effect discharge of the liquid between the packers into the well bore includes valves to close the packer.

2,341,091.—*Hans C. Glitsch*, Dallas, Tex. BUBBLE TRAY. Patent dated Feb. 8, 1944. Disclaimer filed July 25, 1946, by the assignee, *Fritz W. Glitsch & Sons*, a partnership.

Hereby enters this disclaimer to claim 4 of the aforesaid Letters Patent.

2,403,304.—*Edwin A. Robinson*, Chatham, and *Arthur De Castro*, Newark, N. J. HIGH-TWIST ARTIFICIAL YARN PRODUCTION. Patent dated July 2, 1946. Disclaimer filed Aug. 13, 1946, by the assignee, *National Oil Products Company*.

Hereby enters this disclaimer to that part of claim 7 in said specification which is in the following words, to wit: and knitting the desired articles from the yarn.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Petrolite Corporation, Ltd., has entered on the Register of Patents Available for Licensing, the following United States Letters Patent, relating to the resolution, demulsification, breaking, or treatment of petroleum emulsions, cut oil, roily oil, bottom settlings, basic sediment, BS, and the like, by the use of chemicals as set forth in said patents. Licenses will be granted under the aforesaid Letters Patent upon the terms and conditions of the Standard License Agreements at the time in effect, copies of which may be obtained from Petrolite Corporation, Ltd., 937 Pacific Ave., Webster Groves 19, Mo. Group 29—11. Reg. Nos. 3,415 to 3,740 inclusive.

Pat. 1,747,119. PROCESS AND PRODUCT FOR TREATING EMULSIONS OF MINERAL OILS. Patented Feb. 11, 1930.

Pat. 1,747,987. ART OF TREATING EMULSIONS. Patented Feb. 18, 1930.

Pat. 1,758,802. PROCESS OF RESOLVING OIL EMULSIONS AND REAGENTS THEREFOR. Patented May 13, 1930.

Pat. 1,766,057. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,766,058. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,766,059. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,766,060. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,766,061. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,766,062. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,766,063. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,766,064. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,766,065. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,766,066. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,766,067. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,766,112. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1930.

Pat. 1,771,096. PROCESS OF RESOLVING EMULSIONS. Patented July 22, 1930.

Pat. 1,773,517. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 19, 1930.

Pat. 1,780,343. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 4, 1930.

Pat. 1,780,344. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 4, 1930.

Pat. 1,780,345. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 4, 1930.

Pat. 1,802,090. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 21, 1931.

Pat. 1,812,393. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 30, 1931.

Pat. 1,829,205. METHOD OF TREATING OIL-WATER EMULSIONS. Patented Oct. 27, 1931.

Pat. 1,834,940. PROCESS FOR CONDITIONING PETROLEUM OILS. Patented Dec. 8, 1931.

Pat. 1,837,130. TREATMENT OF OIL AND WATER EMULSIONS. Patented Dec. 15, 1931.

Pat. 1,842,934. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 26, 1932.

Pat. 1,858,186. METHOD OF AND REAGENT FOR TREATING WET OILS. Patented May 10, 1932.

Pat. 1,863,143. METHOD OF TREATING WET OILS. Patented June 14, 1932.

Pat. 1,872,286. PROCESS OF AND REAGENT FOR TREATING PETROLEUM EMULSIONS. Patented Aug. 16, 1932.

Pat. 1,872,333. EMULSION BREAKING. Patented Aug. 16, 1932.

Pat. 1,873,165. METHOD OF AND REAGENT FOR TREATING WET OILS. Patented Aug. 23, 1932.

Pat. 1,882,444. PROCESS AND REAGENT FOR TREATING EMULSIONS. Patented Oct. 11, 1932.

Pat. 1,890,789. PROCESS AND PRODUCT FOR TREATING EMULSIONS OF MINERAL OILS OR THE LIKE. Patented Dec. 13, 1932.

Pat. 1,890,849. USE OF PINE OIL IN EMULSION BREAKERS. Patented Dec. 13, 1932.

Pat. 1,897,019. TREATMENT OF CUT OILS. Patented Feb. 7, 1933.

Pat. 1,897,021. MEDIUM FOR DEHYDRATING CUT OILS. Patented Feb. 7, 1933.

Pat. 1,897,574. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 14, 1933.

Pat. 1,897,575. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 14, 1933.

Pat. 1,902,129. MEANS FOR BREAKING WATER IN OIL EMULSIONS. Patented Mar. 21, 1933.

Pat. 1,908,129. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 9, 1933.

Pat. 1,908,130. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 9, 1933.

Pat. 1,910,680. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 23, 1933.

Pat. 1,913,538. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 13, 1933.

Pat. 1,926,715. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 12, 1933.

Pat. 1,929,399. MEDIUM FOR SEPARATING OIL-WATER EMULSIONS (BLOWN OIL). Patented Oct. 3, 1933.

Pat. 1,938,322. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 5, 1933.

Pat. 1,938,323. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 5, 1933.

Pat. 1,940,390. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 19, 1933.

Pat. 1,940,391. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 19, 1933.

Pat. 1,940,392. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 19, 1933.

Pat. 1,940,393. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 19, 1933.

Pat. 1,940,394. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 19, 1933.

Pat. 1,940,395. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 19, 1933.

Pat. 1,940,396. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 19, 1933.

Pat. 1,940,397. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 19, 1933.

Pat. 1,940,398. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 19, 1933.

Pat. 1,941,886. EMULSION DECOMPOSING BODY. Patented Jan. 2, 1934.

Pat. 1,943,815. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 16, 1934.

Pat. 1,944,021. TREATMENT OF WET OIL. Patented Jan. 16, 1934.

Pat. 1,954,585. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 10, 1934.

Pat. 1,961,963. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 5, 1934.

Pat. 1,975,839. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Oct. 9, 1934.

Pat. 1,976,602. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Oct. 9, 1934.

Pat. 1,977,048. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Oct. 16, 1934.

Pat. 1,977,089. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Oct. 16, 1934.

Pat. 1,977,146. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Oct. 16, 1934.

Pat. 1,978,227. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Oct. 23, 1934.

Pat. 1,979,347. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 6, 1934.

Pat. 1,984,633. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 18, 1934.

Pat. 1,985,692. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 25, 1934.

Pat. 1,985,720. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 25, 1934.

Pat. 1,988,832. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 22, 1935.

Pat. 1,988,833. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 22, 1935.

Pat. 1,988,834. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 22, 1935.

Pat. 1,988,835. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 22, 1935.

Pat. 1,994,758. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 19, 1935.

Pat. 2,000,717. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 7, 1935.

Pat. 2,000,725. BREAKING OF OIL-WATER EMULSIONS. Patented May 7, 1935.

Pat. 2,000,802. BREAKING OF OIL-WATER EMULSIONS. Patented May 7, 1935.

Pat. 2,015,260. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 24, 1935.

Pat. 2,023,976. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 10, 1935.

Pat. 2,023,979. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 10, 1935.

Pat. 2,023,980. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 10, 1935.

Pat. 2,023,981. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 10, 1935.

Pat. 2,023,982. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 10, 1935.

Pat. 2,023,993. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 10, 1935.

Pat. 2,023,994. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 10, 1935.

Pat. 2,023,995. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 10, 1935.

Pat. 2,023,996. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 10, 1935.

Pat. 2,023,997. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 10, 1935.

Pat. 2,025,804. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 31, 1935.

Pat. 2,025,805. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 31, 1935.

Pat. 2,026,195. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 31, 1935.

Pat. 2,026,217. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 31, 1935.

Pat. 2,026,218. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 31, 1935.

Pat. 2,026,219. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 31, 1935.

Pat. 2,034,941. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 24, 1936.

Pat. 2,034,963. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 24, 1936.

Pat. 2,037,885. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 21, 1936.

Pat. 2,037,886. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 21, 1936.

Pat. 2,050,923. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 11, 1936.

Pat. 2,050,924. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 11, 1936.

Pat. 2,050,925. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 11, 1936.

Pat. 2,050,926. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 11, 1936.

Pat. 2,050,927. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 11, 1936.

Pat. 2,050,928. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 11, 1936.

Pat. 2,050,929. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 11, 1936.

Pat. 2,050,930. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 11, 1936.

Pat. 2,052,281. PROCESSES FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 25, 1936.

Pat. 2,052,282. PROCESSES FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 25, 1936.

Pat. 2,052,283. PROCESSES FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 25, 1936.

Pat. 2,052,284. PROCESSES FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 25, 1936.

Pat. 2,058,568. PROCESS OF BREAKING PETROLEUM EMULSIONS. Patented Oct. 27, 1936.

Pat. 2,058,569. PROCESS FOR SEPARATING PETROLEUM EMULSIONS. Patented Oct. 27, 1936.

Pat. 2,058,570. PROCESS FOR SEPARATING PETROLEUM EMULSIONS. Patented Oct. 27, 1936.

Pat. 2,072,085. PROCESS FOR BREAKING EMULSIONS. Patented Mar. 2, 1937.

Pat. 2,076,623. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 13, 1937.

Pat. 2,076,624. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 13, 1937.

Pat. 2,077,229. PROCESSES FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 13, 1937.

Pat. 2,077,230. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 13, 1937.

Pat. 2,077,745. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 20, 1937.

Pat. 2,077,746. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 20, 1937.

Pat. 2,078,652. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 27, 1937.

Pat. 2,078,653. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 27, 1937.

Pat. 2,078,654. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 27, 1937.

Pat. 2,078,655. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 27, 1937.

Pat. 2,079,762. PROCESSES FOR BREAKING PETROLEUM EMULSIONS. Patented May 11, 1937.

Pat. 2,079,763. PROCESSES FOR BREAKING PETROLEUM EMULSIONS. Patented May 11, 1937.

Pat. 2,079,764. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 11, 1937.

Pat. 2,081,003. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 18, 1937.

Pat. 2,081,004. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 18, 1937.

Pat. 2,081,005. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 18, 1937.

Pat. 2,083,220. PROCESS FOR BREAKING PETROLEUM. Patented June 8, 1937.

Pat. 2,083,221. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 8, 1937.

Pat. 2,083,222. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 8, 1937.

Pat. 2,083,223. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 8, 1937.

Pat. 2,083,224. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 8, 1937.

Pat. 2,083,225. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 8, 1937.

Pat. 2,085,298. PROCESSES FOR BREAKING PETROLEUM EMULSIONS. Patented June 29, 1937.

Pat. 2,085,299. PROCESSES FOR BREAKING PETROLEUM EMULSIONS. Patented June 29, 1937.

Pat. 2,086,215. PROCESSES FOR BREAKING PETROLEUM EMULSIONS. Patented July 6, 1937.

Pat. 2,086,216. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 6, 1937.

Pat. 2,086,217. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 6, 1937.

Pat. 2,089,035. PROCESS FOR TREATING COGNATE LIQUIDS OF A WELL. Patented Aug. 3, 1937.

Pat. 2,104,793. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 11, 1938.

Pat. 2,104,794. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 11, 1938.

Pat. 2,104,795. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 11, 1938.

Pat. 2,106,239. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 25, 1938.

Pat. 2,106,240. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 25, 1938.

Pat. 2,106,241. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 25, 1938.

Pat. 2,106,242. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 25, 1938.

Pat. 2,106,243. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 25, 1938.

Pat. 2,106,244. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 25, 1938.

Pat. 2,108,960. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 22, 1938.

Pat. 2,108,961. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 22, 1938.

Pat. 2,110,837. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 8, 1938.

Pat. 2,110,846. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 8, 1938.

Pat. 2,110,847. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 8, 1938.

Pat. 2,110,848. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 8, 1938.

Pat. 2,110,849. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 8, 1938.

Pat. 2,114,651. PROCESS FOR SEPARATING PETROLEUM EMULSIONS. Patented Apr. 19, 1938.

Pat. 2,122,976. PROCESS FOR SEPARATING PETROLEUM EMULSIONS. Patented July 5, 1938.

Pat. 2,126,368. PROCESS FOR BREAKING EMULSIONS. Patented Aug. 9, 1938.

Pat. 2,127,905. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 23, 1938.

Pat. 2,153,744. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Apr. 11, 1939.

Pat. 2,153,745. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Apr. 11, 1939.

Pat. 2,153,746. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Apr. 11, 1939.

Pat. 2,154,422. COMPOSITION OF MATTER AND PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Apr. 18, 1939.

Pat. 2,154,423. COMPOSITION OF MATTER AND PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Apr. 18, 1939.

Pat. 2,166,431. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented July 18, 1939.

Pat. 2,166,432. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented July 18, 1939.

Pat. 2,166,433. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented July 18, 1939.

Pat. 2,166,434. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented July 18, 1939.

Pat. 2,167,346. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 25, 1939.

Pat. 2,167,347. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 25, 1939.

Pat. 2,167,348. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 25, 1939.

Pat. 2,167,349. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 25, 1939.

Pat. 2,171,328. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Aug. 29, 1939.

Pat. 2,176,702. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Oct. 17, 1939.

Pat. 2,176,703. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Oct. 17, 1939.

Pat. 2,176,704. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Oct. 17, 1939.

Pat. 2,183,487. PROCESS OF BREAKING EMULSIONS. Patented Dec. 12, 1939.

Pat. 2,192,993. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Mar. 12, 1940.

Pat. 2,192,994. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Mar. 12, 1940.

Pat. 2,192,995. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Mar. 12, 1940.

Pat. 2,225,824. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Dec. 24, 1940.

Pat. 2,226,118. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Dec. 24, 1940.

Pat. 2,226,120. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Dec. 24, 1940.

Pat. 2,226,121. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Dec. 24, 1940.

Pat. 2,226,122. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Dec. 24, 1940.

Pat. 2,226,123. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Dec. 24, 1940.

Pat. 2,231,752. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Feb. 11, 1941.

Pat. 2,231,753. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Feb. 11, 1941.

Pat. 2,231,754. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Feb. 11, 1941.

Pat. 2,231,755. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Feb. 11, 1941.

Pat. 2,231,756. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Feb. 11, 1941.

Pat. 2,231,757. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Feb. 11, 1941.

Pat. 2,231,758. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Feb. 11, 1941.

Pat. 2,231,759. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Feb. 11, 1941.

Pat. 2,241,011. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented May 6, 1941.

Pat. 2,243,329. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 27, 1941.

Pat. 2,243,330. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 27, 1941.

Pat. 2,246,842. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 24, 1941.

Pat. 2,246,856. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented June 24, 1941.

Pat. 2,248,342. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 8, 1941.

Pat. 2,250,176. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 22, 1941.

Pat. 2,250,404. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 22, 1941.

Pat. 2,250,405. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 22, 1941.

Pat. 2,250,406. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 22, 1941.

Pat. 2,250,407. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 22, 1941.

Pat. 2,250,408. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 22, 1941.

Pat. 2,252,959. PROCESS FOR TREATING PIPE-LINE OIL. Patented Aug. 19, 1941.

Pat. 2,259,704. PROCESS FOR RESOLVING PETROLEUM EMULSIONS. Patented Oct. 21, 1941.

Pat. 2,262,357. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 11, 1941.

Pat. 2,262,358. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 11, 1941.

Pat. 2,262,736. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 11, 1941.

Pat. 2,262,743. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 11, 1941.

Pat. 2,273,181. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 17, 1942.

Pat. 2,278,164. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 31, 1942.

Pat. 2,278,165. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 31, 1942.

Pat. 2,278,166. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 31, 1942.

Pat. 2,278,167. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 31, 1942.

Pat. 2,278,168. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 31, 1942.

Pat. 2,278,169. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 31, 1942.

Pat. 2,278,170. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 31, 1942.

Pat. 2,278,171. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 31, 1942.

Pat. 2,290,154. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 21, 1942.

Pat. 2,290,411. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 21, 1942.

Pat. 2,290,417. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 21, 1942.

Pat. 2,295,163. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 8, 1942.

Pat. 2,295,164. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 8, 1942.

Pat. 2,295,165. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 8, 1942.

Pat. 2,295,166. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 8, 1942.

Pat. 2,295,167. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 8, 1942.

Pat. 2,295,168. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 8, 1942.

Pat. 2,295,169. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 8, 1942.

Pat. 2,295,170. PROCESS FOR BREAKING PETROLEUM EMULSIONS Patented Sept. 8, 1942.

Pat. 2,296,600. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 22, 1942.

Pat. 2,300,103. PROCESS FOR BREAKING PETROLEUM EMULSION. Patented Oct. 27, 1942.

Pat. 2,300,554. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 3, 1942.

Pat. 2,300,555. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 3, 1942.

Pat. 2,305,067. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 15, 1942.

Pat. 2,306,329. PROCESS FOR BREAKING PETROLEUM EMUISIONS. Patented Dec. 22, 1942.

Pat. 2,306,718. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 29, 1942.

Pat. 2,306,775. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 29, 1942.

Pat. 2,309,243. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Jan. 26, 1943.

Pat. 2,309,935. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 2, 1943.

Pat. 2,319,885. PROCESS AND COMPOSITION FOR TREATMENT OF EMULSIONS. Patented May 25, 1943.

Pat. 2,322,494. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 22, 1943.

Pat. 2,324,488. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 20, 1943.

Pat. 2,324,489. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 20, 1943.

Pat. 2,324,490. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 20, 1943.

Pat. 2,324,491. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 20, 1943.

Pat. 2,324,492. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 20, 1943.

Pat. 2,324,493. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 20, 1943.

Pat. 2,324,494. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 20, 1943.

Pat. 2,326,599. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 10, 1943.

Pat. 2,326,602. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Aug. 10, 1943.

Pat. 2,329,025. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 7, 1943.

Pat. 2,329,026. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 7, 1943.

Pat. 2,329,699. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 21, 1943.

Pat. 2,329,700. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 21, 1943.

Pat. 2,329,701. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 21, 1943.

Pat. 2,329,702. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 21, 1943.

Pat. 2,329,703. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 21, 1943.

Pat. 2,330,474. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Sept. 28, 1943.

Pat. 2,333,769. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 9, 1943.

Pat. 2,335,262. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 30, 1943.

Pat. 2,340,305. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 1, 1944.

Pat. 2,340,306. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 1, 1944.

Pat. 2,340,307. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 1, 1944.

Pat. 2,340,308. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 1, 1944.

Pat. 2,340,355. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 1, 1944.

Pat. 2,342,648. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 29, 1944.

Pat. 2,342,649. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 29, 1944.

Pat. 2,342,650. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Feb. 29, 1944.

Pat. 2,344,976. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 28, 1944.

Pat. 2,344,977. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 28, 1944.

Pat. 2,344,978. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 28, 1944.

Pat. 2,344,979. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 28, 1944.

Pat. 2,344,980. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 28, 1944.

Pat. 2,351,017. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented June 13, 1944.

Pat. 2,353,694. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,695. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,696. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,697. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,698. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,699. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,700. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,701. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,702. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,703. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,704. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,705. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,706. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,707. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,708. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,709. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,710. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,353,711. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented July 18, 1944.

Pat. 2,360,853. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Oct. 24, 1944.

Pat. 2,363,504. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 28, 1944.

Pat. 2,363,505. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 28, 1944.

Pat. 2,363,506. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Nov. 28, 1944.

Pat. 2,372,254. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 27, 1945.

Pat. 2,372,255. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 27, 1945.

Pat. 2,372,256. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 27, 1945.

Pat. 2,372,257. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 27, 1945.

Pat. 2,372,258. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 27, 1945.

Pat. 2,372,259. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Mar. 27, 1945.

Pat. 2,373,102. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 10, 1945.

Pat. 2,373,174. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Apr. 10, 1945.

Pat. 2,375,534. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 8, 1945.

Pat. 2,375,535. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 8, 1945.

Pat. 2,375,536. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 8, 1945.

Pat. 2,375,537. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 8, 1945.

Pat. 2,375,538. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 8, 1945.

Pat. 2,375,539. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented May 8, 1945.

Pat. 2,385,969. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Oct. 2, 1945.

Pat. 2,385,970. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Oct. 2, 1945.

Pat. 2,390,078. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 4, 1945.

Pat. 2,390,079. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 4, 1945.

Pat. 2,390,080. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 4, 1945.

Pat. 2,390,081. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 4, 1945.

Pat. 2,390,082. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 4, 1945.

Pat. 2,390,083. PROCESS FOR BREAKING PETROLEUM EMULSIONS. Patented Dec. 4, 1945.

Petrolite Corporation, Ltd., has also entered, in accordance with the rules of the United States Patent Office applicable to such entry which are in effect on the date hereof, on the Register of Patents Available for Licensing, the following United States Letters Patent, relating to the electrical dehydration or desalting of petroleum oils. Licenses will be granted under the aforesaid Letters Patent upon the terms and conditions of Standard License Agreements at the time in effect, copies of which may be obtained from Petrolite Corporation, Ltd., 530 West Sixth Street, Los Angeles 14, Calif. Group 29—11. Reg. Nos. 3,741 to 3,822.

Pat. 1,754,009. DEHYDRATION OF OIL AND WATER EMULSIONS. Patented Apr. 8, 1930.

Pat. 1,796,750. DEHYDRATING APPARATUS HAVING PRELIMINARY AGGLOMERATOR. Patented Mar. 17, 1931.

Pat. 1,825,309. METHOD OF REMOVING A SALT FROM OIL. Patented Sept. 29, 1931.

Pat. 1,826,276. METHOD OF SALVAGING OIL FROM SLUDGE. Patented Oct. 6, 1931.

Pat. 1,838,374. DEHYDRATOR HAVING VARIOUS INTERMITTENT VOLTAGES. Patented Dec. 29, 1931.

Pat. 1,838,375. TREATER FOR INTERMITTENTLY TREATING FLUID. Patented Dec. 29, 1931.

Pat. 1,838,376. TREATER HAVING CENTRIFUGAL DRY OIL CIRCULATION. Patented Dec. 29, 1931.

Pat. 1,838,379. METHOD OF INVERTING THE PHASE OF EMULSIONS. Patented Dec. 29, 1931.

Pat. 1,838,386. SPECIAL DESIGN ELECTRODE. Patented Dec. 29, 1931.

Pat. 1,838,847. METHOD OF AND APPARATUS FOR MECHANICALLY REESTABLISHING THE DIELECTRIC FIELD IN DEHYDRATORS. Patented Dec. 29, 1931.

Pat. 1,838,848. METHOD OF AND APPARATUS FOR DEHYDRATING EMULSIONS. Patented Dec. 29, 1931.

Pat. 1,838,849. TREATER HAVING ROTATABLE LIVE AND GROUNDED ELECTRODES. Patented Dec. 29, 1931.

Pat. 1,838,890. ELECTRICAL DEHYDRATOR. Patented Dec. 29, 1931.

Pat. 1,838,910. METHOD OF AND APPARATUS FOR DEHYDRATING PETROLEUM OIL. Patented Dec. 29, 1931.

Pat. 1,838,915. SINGLE ELECTRODE TREATER. Patented Dec. 29, 1931.

Pat. 1,838,916. COMBINED WASHER AND DEHYDRATOR. Patented Dec. 29, 1931.

Pat. 1,838,917. DOUBLE-FIELD DEHYDRATOR. Patented Dec. 29, 1931.

Pat. 1,838,924. DEHYDRATOR WITH HIGH FIELD INTENSITY GROUNDED ELECTRODE. Patented Dec. 29, 1931.

Pat. 1,838,925. DEHYDRATOR HAVING MEANS FOR PROVIDING INTERNAL DRY OIL CIRCULATION. Patented Dec. 29, 1931.

Pat. 1,838,928. DEHYDRATOR WITH MEANS FOR DIRECTING EMULSION THROUGH A HIGH INTENSITY COIL. Patented Dec. 29, 1931.

Pat. 1,838,929. ELONGATED HIGH VELOCITY TYPE TREATER. Patented Dec. 29, 1931.

Pat. 1,838,930. ELECTRIC TREATER HAVING VARIABLE RATE OF FLOW WITH CONSTANT CONDITIONS IN WORKING FIELD. Patented Dec. 29, 1931.

Pat. 1,838,931. APPARATUS FOR CONVERTING COMMERCIAL FREQUENCY CIRCUITS INTO HIGH FREQUENCY CIRCUITS. Patented Dec. 29, 1931.

Pat. 1,838,932. ELECTRICAL TREATER HAVING ELONGATED CIRCULATION PATH AND EDGE EFFECT. Patented Dec. 29, 1931.

Pat. 1,838,933. ELECTRICAL TREATER HAVING DRY OIL BARRIER SUPPLY. Patented Dec. 29, 1931.

Pat. 1,838,938. METHOD OF AND APPARATUS FOR TREATING EMULSIONS WITH ALTERNATING CURRENT. Patented Dec. 29, 1931.

Pat. 1,838,976. TREATER HAVING REVOLVING ELECTRODE WITH WAVE SHAPED ARMS. Patented Dec. 29, 1931.

Pat. 1,847,541. TREATER WITH VARIABLE PRESSURE. Patented Mar. 1, 1932.

Pat. 1,847,602. METHOD OF AND APPARATUS FOR TREATING OIL UNDER VACUUM. Patented Mar. 1, 1932.

Pat. 1,864,723. TREATER USING HIGH TENSION REACTANCE. Patented June 28, 1932.

Pat. 1,926,013. ELECTRICAL PROCESS. Patented Sept. 5, 1933.

Pat. 1,942,480. METHOD OF AND APPARATUS FOR AGGLOMERATING. Patented Jan. 9, 1934.

Pat. 1,949,660. PROCESS AND APPARATUS FOR SEPARATING EMULSIONS BY THE COMBINED ACTION OF MAGNETIC AND ELECTRIC FIELDS. Patented Mar. 6, 1934.

Pat. 1,959,385. ELECTRICAL PROCESSES AND APPARATUS FOR SEPARATING EMULSIONS. Patented May 22, 1934.

Pat. 1,963,325. DEHYDRATOR HAVING EMULSION GUIDING SURFACE. Patented June 19, 1934.

Pat. 1,978,509. PROCESS FOR MAGNETIC SEPARATION OF EMULSIONS. Patented Oct. 30, 1934.

Pat. 1,978,793. BUSHING FOR DEHYDRATORS. Patented Oct. 30, 1934.

Pat. 1,978,794. DEHYDRATOR HAVING GAS POCKET. Patented Oct. 30, 1934.

Pat. 1,980,722. METHOD OF AND APPARATUS FOR AGGLOMERATING SUSPENDED PARTICLES. Patented Nov. 13, 1934.

Pat. 2,000,018. METHOD FOR THE SEPARATION OF EMULSIONS BY ELECTRICAL ACTION. Patented May 7, 1935.

Pat. 2,001,776. METHOD AND APPARATUS FOR ELECTRICALLY TREATING EMULSIONS. Patented May 21, 1935.

Pat. 2,001,809. METHOD AND APPARATUS FOR SETTLING. Patented May 21, 1935.

Pat. 2,029,362. ELECTRIC DEHYDRATOR. Patented Feb. 4, 1936.

Pat. 2,029,527. ELECTRICAL DEHYDRATOR. Patented Feb. 4, 1936.

Pat. 2,033,137. DEHYDRATOR WITH PRELIMINARY TREATMENT. Patented Mar. 10, 1936.

Pat. 2,033,143. MULTIPLE ELECTRODE TREATER AND METHOD. Patented Mar. 10, 1936.

Pat. 2,033,152. ELECTRIC DEHYDRATION SYSTEM. Patented Mar. 10, 1936.

Pat. 2,033,429. MULTIPLE ELECTRODE TREATER AND METHOD. Patented Mar. 10, 1936.

Pat. 2,033,446. ELECTRIC TREATER WITH DIVERGING STREAM AND METHOD. Patented Mar. 10, 1936.

Pat. 2,033,567. SYSTEM FOR ELECTRIC DEHYDRATION. Patented Mar. 10, 1936.

Pat. 2,038,479. ELECTRICAL DEHYDRATOR HIGH VOLTAGE SUPPLY. Patented Apr. 21, 1936.

Pat. 2,047,538. CLOSED TYPE DEHYDRATOR AND METHOD. Patented July 14, 1936.

Pat. 2,049,561. METHOD AND APPARATUS FOR ELECTRICAL TREATMENT OF GASES OR LIQUIDS. Patented Aug. 4, 1936.

Pat. 2,060,839. ELECTRIC TREATING SYSTEM FOR EMULSIONS. Patented Nov. 17, 1936.

Pat. 2,061,197. METHOD AND APPARATUS FOR TREATING EMULSIONS. Patented Nov. 17, 1936.

Pat. 2,072,888. METHOD OF AND APPARATUS FOR PROTECTING INSULATING BUSHINGS OF A DEHYDRATOR. Patented Mar. 9, 1937.

Pat. 2,072,917. METHOD OF AND APPARATUS FOR ELECTRICALLY TREATING TAR EMULSIONS. Patented Mar. 9, 1937.

Pat. 2,072,918. METHOD OF AND APPARATUS FOR INTRODUCING HIGH POTENTIALS INTO A DEHYDRATOR. Patented Mar. 9, 1937.

Pat. 2,083,798. METHOD AND APPARATUS FOR ELECTRICALLY TREATING EMULSIONS. Patented June 15, 1937.

Pat. 2,083,799. METHOD OF AND APPARATUS FOR ELECTRICALLY TREATING EMULSIONS. Patented June 15, 1937.

Pat. 2,083,800. PIPE LINE TREATING SYSTEM. Patented June 15, 1937.

Pat. 2,083,801. METHOD AND APPARATUS FOR DEHYDRATING PETROLEUM. Patented June 15, 1937.

Pat. 2,083,802. PROCESS AND APPARATUS FOR TREATING EMULSIONS. Patented June 15, 1937.

Pat. 2,096,774. ELECTRICAL DEHYDRATION SYSTEM. Patented Oct. 26, 1937.

Pat. 2,098,982. ELECTRIC DEHYDRATOR. Patented Nov. 16, 1937.

Pat. 2,105,614. METHOD AND APPARATUS FOR ELECTRIC DEHYDRATION OF EMULSIONS. Patented Jan. 18, 1938.

Pat. 2,108,258. ELECTRIC DEHYDRATOR. Patented Feb. 15, 1938.

Pat. 2,120,932. HIGH FREQUENCY INDUCTION DEHYDRATOR. Patented June 14, 1938.

Pat. 2,159,682. METHOD AND APPARATUS FOR TREATING EMULSIONS. Patented May 23, 1939.

Pat. 2,182,145. PROCESS AND APPARATUS FOR TREATING OIL. Patented Dec. 5, 1939.

Pat. 2,216,977. METHOD AND APPARATUS FOR CONTROLLING THE RELATIVE QUANTITIES OF LIQUIDS IN A TANK. Patented Oct. 8, 1940.

Pat. 2,296,239. ELECTRIC PROCESS FOR DESALTING MINERAL OIL. Patented Sept. 22, 1942.

Pat. 2,313,939. METHOD AND APPARATUS FOR ELECTRICALLY TREATING OILS. Patented Mar. 16, 1943.

Pat. 2,315,051. ELECTRICAL TREATER METHOD. Patented Mar. 30, 1943.

Pat. 2,325,850. PROCESS OF TREATING OIL. Patented Aug. 3, 1943.

Pat. 2,338,986. PROCESS AND APPARATUS FOR SEPARATING DISPERSIONS OF OIL AND WATER. Patented Jan. 11, 1944.

Pat. 2,355,678. METHOD FOR REMOVING IMPURITIES FROM HYDROCARBONS. Patented Aug. 15, 1944.

Pat. 2,364,118. METHOD AND APPARATUS FOR ELECTRICALLY TREATING FLUIDS. Patented Dec. 5, 1944.

Pat. 2,377,565. METHOD OF RESOLVING WATER-IN-OIL EMULSIONS. Patented June 5, 1945.

Pat. 2,380,458. METHOD OF DESALTING MINERAL OIL. Patented July 31, 1945.

Pat. 2,387,250. METHOD FOR TREATING OIL. Patented Oct. 23, 1945.

Pat. 2,402,844. METHOD FOR PURIFYING MINERAL OILS. Patented June 25, 1946.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 10, 1946

[VOL. 590. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 470,020. EVERSOLE, MACLAY & CO., Potosi, Mo. Filed May 8, 1944.

BUCKEYE BB BARITE

Applicant disclaims the exclusive use of the word "Barite", apart from the mark.

FOR GROUND BARYTES.

Claims use since Mar. 22, 1944.

Ser. No. 489,577. ALOSIUM PRODUCTS COMPANY, Pittsburgh, Pa. Filed Oct. 8, 1945.

ALOSIUM

FOR CLAYS THAT ARE SUITABLE FOR USE IN TOOTH PASTE, LOTIONS, FACE PACKS, SOAPS, AND VARIOUS COSMETICS.

Claims use since Feb. 11, 1945.

Ser. No. 489,956. GERMAIN SEED AND PLANT CO., Los Angeles, Calif. Filed Oct. 15, 1945.

PREMIUM

FOR GRASS SEED.

Claims use since Nov. 30, 1943.

Ser. No. 496,024. WILLARD HELBURN, INC., Peabody, Mass. Filed Feb. 5, 1946.

SECOTAN

FOR LEATHER.

Claims use since Jan. 22, 1946.

CLASS 2

RECEPTACLES

Ser. No. 455,884. ROBERT E. BIRDSALL, Fontana, Wis. Filed Oct. 1, 1942.

Ply-Ty

The word "Ply" is disclaimed apart from the mark.

FOR BOX AND CRATE SHOOKS, AND KNOCKDOWN AND ASSEMBLED WOODEN AND METAL BOXES, AND SHIPPING CASES AND CRATES.

Claims use since Mar. 3, 1942.

Ser. No. 479,954. SHERMAN PAPER PRODUCTS CORPORATION, Newton, Mass. Filed Feb. 17, 1945.

Glo-Tone

FOR PAPER—NAMELY, FLUTED LINERS AND BAKING CUPS.

Claims use since Nov. 1, 1944.

Ser. No. 482,269. BONNEY FORGE AND TOOL WORKS, Allentown, Pa. Filed Apr. 18, 1945. Under the 10-year proviso as to the word "Bonney".

BONNEY

FOR TOOL BOXES.
Claims use since 1876 as to the word "Bonney"; and since 1935 on the mark presented.

Ser. No. 487,740. RIVER RAISIN PAPER COMPANY, Monroe, Mich. Filed Aug. 29, 1945.

RR PAPER COMPANY

The words "Paper Company" are disclaimed apart from the mark.
FOR CORRUGATED AND SOLID FIBRE SHIPPING CASES AND CARTONS.
Claims use since June 1, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 474,654. COLONIAL DAMES COMPANY, LTD., Los Angeles, Calif. Filed Sept. 27, 1944.

COLONIAL BOUQUET

The word "Bouquet" is disclaimed apart from the mark.
FOR SOAP.
Claims use since May 6, 1940.

Ser. No. 483,228. MARION MANUFACTURING COMPANY, Atlanta, Ga. Filed May 11, 1945.

Min-it-sol

FOR LIQUID SOAP SOLUTION.
Claims use since Dec. 1, 1944.

Ser. No. 493,660. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Dec. 21, 1945.

Coleo

FOR DENTURE CLEANER AND SOAPS FOR TOILET, LAUNDRY, AND HOUSEHOLD USE AND SOAP POWDERS.
Claims use since Mar. 25, 1890, on soaps for toilet, laundry, and household use, and soap powders; and since Dec. 20, 1945, on denture cleanser.

Ser. No. 494,451. KELITE PRODUCTS, INC., doing business as Kenu Products Company, Los Angeles, Calif. Filed Jan. 8, 1946.

KE-TEC

FOR CLEANING AND WASHING POWDER FOR ELECTRIC DISHWASHING.
Claims use since Oct. 1, 1945.

Ser. No. 496,147. KNOMARK MANUFACTURING CO., New York, N. Y. Filed Feb. 7, 1946.

LANO. WITE

The word "Wite" is disclaimed apart from the mark.
FOR DRESSING, CLEANSER AND POLISH FOR SHOES, BOOTS, LEATHER GOODS, AND LEATHER TRIMMINGS OR OTHER ARTICLES, SUCH AS BELTS, BAGS, AND THE LIKE.
Claims use since Feb. 1, 1946.

Ser. No. 496,389. HAROLD A. MEYER, doing business as Demand Products Company, San Francisco, Calif. Filed Feb. 11, 1946.

Y-RUB

FOR CLEANING FLUID.
Claims use since July 10, 1945.

Ser. No. 496,497. BLUE RIBBON PRODUCTS COMPANY, San Francisco, Calif. Filed Feb. 13, 1946.

THEEF

FOR WASHING AND CLEANING COMPOUND.
Claims use since Nov. 21, 1945.

Ser. No. 496,543. COSMEX CORP., New York, N. Y. Filed Feb. 14, 1946.

Make Off

FOR LIQUID PREPARATION FOR USE AS A SUBSTITUTE FOR SOAP FOR CLEANING THE SKIN.
Claims use since May 31, 1945.

Ser. No. 475,289. WINNING-PEPLOW, Glendale, Calif. Filed Oct. 12, 1944.

WIN-PEP

The term "Pep" is disclaimed apart from the mark.
FOR COMPRESSED, MEDICINAL TABLETS—NAMELY, VITAMIN A, VITAMIN C, VITAMIN D, VITAMIN E, VITAMIN A AND D, VITAMIN B COMPLEX, VITAMIN B COMPLEX WITH LIVER AND IRON, THIAMIN HYDROCHLORIDE, VEGETABLE CONCENTRATE CONSISTING OF PARSLEY, BEET, ASPARAGUS, OKRA, CELERY LEAVES, AND BEET LEAVES, AS A SUPPLEMENT TO THE DIET; THYROID, WHOLE ADRENAL, ANTERIOR PITUITARY, OVARIAN, ORCHIC, SULFATHIAZOLE, SULFADIAZINE, ASPIRIN, PAPAIN-BILE SALTS COMPOUND, RIBOFLAVIN, AND COMPRESSED TABLETS CONTAINING CAFFEINE ALKALOID, ACETOPHENETIDIN AND ASPIRIN (ACETYLSALICYLIC ACID).
Claims use since June 22, 1942.

Ser. No. 482,063. JACK MAY, doing business as Sardeau, New York, N. Y. Filed Apr. 12, 1945.

SARDEAU

FOR PERFUME, LIPSTICKS, ROUGE, FACE POWDER, FACIAL MAKE-UP, COLD CREAM, HAND LOTION, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO, AND NAIL POLISH.
Claims use since Jan. 5, 1939.

Ser. No. 484,414. HORACE MERCK, doing business as The Merck Pharmacal Co., Jacksonville, Fla. Filed June 11, 1945.

FUHSOL

(FEW'SOL)

FOR MEDICAL PREPARATION FOR USE IN RELIEVING ITCHING, IRRITATION, AND SORENESS ASSOCIATED WITH CERTAIN FORMS OF ATHLETE'S FOOT, RINGWORM, AND GROUND ITCH; THE ITCHING OF ECZEMA, AND THE STINGING AND ITCHING OF NON-POISONOUS INSECT BITES.
Claims use since February 1940.

Ser. No. 486,500. "PEAU D'OR" SALES CORPORATION, Miami, Fla. Filed July 30, 1945.

PEAU D'OR

FOR TOILET PREPARATIONS—NAMELY, COCOANUT OIL, BURN PROOF LOTION, PRICKLY HEAT LOTION, BRILLIANTINE, A PREPARATION TO RELIEVE SUNBURN, GREASELESS AND STAINLESS HAIR OIL, AND NAIL POLISH REMOVER.
Claims use since December 1928.

Ser. No. 487,672. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Aug. 28, 1945.

DICOLAMINE

FOR CHEMICALS AND PREPARATIONS AND COMPOUNDS THEREOF USED IN PHOTOGRAPHIC PROCESSES, PARTICULARLY PHOTOGRAPHIC DEVELOPERS.
Claims use since Aug. 9, 1945.

Ser. No. 488,577. THE DE PREE COMPANY, Holland, Mich. Filed Sept. 17, 1945.

PIED-PIPER



FOR INSECTICIDE IN POWDERED FORM FOR USE IN THE EXTERMINATION OF ROACHES, ANTS, AND BEDBUGS.
Claims use since Mar. 1, 1945.

Ser. No. 488,669. RAYMOND LABORATORIES, INC., St. Paul, Minn. Filed Sept. 18, 1945.

PENETREME

FOR HAIR SHAMPOOS, HAIR RINSES, AND HAIR WAVING LOTIONS.
Claims use since Nov. 1, 1944.

Ser. No. 488,687. L. B. COULTER, Salisbury, N. C. Filed Sept. 19, 1945.

Juvauce

FOR HAIR TONIC, BRILLIANTINE, AFTER-SHAVE LOTION, AND SHAMPOO.
Claims use since May 8, 1944.

Ser. No. 489,362. MICHAEL SIEGEL, doing business as House of Pine, Roselle, N. J. Filed Oct. 3, 1945.

House of Pine

No claim is made to the word "Pine" apart from the mark.
FOR AFTER SHAVE LOTION.
Claims use since Sept. 1, 1945.

Ser. No. 489,413. PHYSICIANS & HOSPITAL SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Filed Oct. 4, 1945.

VA-TAR "A"

The mark is always imprinted in white on a red background as indicated by the lining for red. The word "Tar" and the letter "A" are disclaimed except as they are associated with the other elements of the mark.
FOR MEDICINAL PREPARATION—NAMELY, A NON-IRRITATING STAINLESS TAR CREAM USED IN THE TREATMENT OF SKIN DISEASES.
Claims use since Aug. 6, 1945.

Ser. No. 489,471. LEDERLE LABORATORIES, INC., New York, N. Y. Filed Oct. 5, 1945.

VETA-DIAZINE

Applicant makes no claim to the term "Diazine" apart from the mark.
FOR SULFADIAZINE PREPARATIONS FOR USE IN VETERINARY MEDICINE.
Claims use since May 23, 1945.

Ser. No. 489,508. HARRY GELKE, Cincinnati, Ohio. Filed Oct. 6, 1945.

ATOMIC

FOR INFLAMMABLE LIQUID FUEL FOR CIGAR AND CIGARETTE LIGHTERS.
Claims use since Sept. 19, 1945.

Ser. No. 489,975. THE METRO-NITE COMPANY, Milwaukee, Wis. Filed Oct. 15, 1945.

MICRO-NITE

FOR PIGMENTS TO BE USED IN THE PREPARATION OF AN EXTENDER FOR READY-MIXED OR PASTE PAINTS AND ENAMELS.
Claims use since Sept. 17, 1945.

Ser. No. 490,265. JOAQUIN BELENDEZ SOLA, New York, N. Y. Filed Oct. 20, 1945.

CorpoTone

FOR TONIC FOR ANEMIA, FOR INTERNAL HUMAN CONSUMPTION.
Claims use since July 1, 1944.

Ser. No. 491,391. BEE CHEMICAL COMPANY, Chicago, Ill. Filed Nov. 10, 1945.

WHEELYFE

FOR GRINDING CHEMICALS, ADDITIVES AND CUTTING CHEMICALS FOR USE WITH NON-METALLIC CUTTING TOOLS, SUCH AS CARBIDE-TOOLS OR ABRASIVE GRIT WHEELS, SAID CHEMICALS TO BE APPLIED TO SAID NON-METALLIC CUTTING TOOLS DURING THE MACHINE OPERATIONS, EITHER AS FURNISHED OR IN SOLUTION IN WATER OR IN ANOTHER LIQUID SOLVENT IN ORDER TO COOL THE METAL AND TO FACILITATE THE OPERATION.
Claims use since September 1945.

Ser. No. 491,759. IRRESISTIBLE, INC., New York, N. Y. Filed Nov. 17, 1945.

Special Reserve

Applicant disclaims the word "Special" apart from the mark.
FOR PERFUME.
Claims use since Oct. 5, 1945.

Ser. No. 492,888. GOTTLIEB BASS, doing business as Sapo Elixir Chemical Company, St. Louis, Mo. Filed Dec. 8, 1945.

KELWA

FOR RUBBING MASSAGE COMPOUND, HAIR OIL, AND BRILLIANTINE.
Claims use since Nov. 15, 1944.

Ser. No. 493,514. MARIE RICHELIEU PARFUM ODESANT, INC., New York, N. Y. Filed Dec. 18, 1945.

BLACK JADE

FOR TOILET WATER.
Claims use since April 1941.

Ser. No. 493,659. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Dec. 21, 1945.

COCATE

FOR METHYL ESTER OF COCOANUT OIL FATTY ACIDS USED AS A SOLVENT, EMULSION STABILIZER, PLASTICIZER, SURFACE ACTIVE AGENT, AND OTHER PURPOSES.
Claims use since May 28, 1945.

Ser. No. 494,147. GEORGE J. WALLAU, INC., New York, N. Y. Filed Dec. 29, 1945.

BOLINE HOUDÉ

No claim is made to the word "Houdé" apart from the mark.
FOR MILD HEPATIC STIMULANT USED FOR OCCASIONAL CONSTIPATION.
Claims use since 1923.

Ser. No. 494,177. CARREL, LTD., Chicago, Ill. Filed Jan. 2, 1946.

TAHINI

FOR COSMETIC PREPARATIONS—NAMELY, PERFUME AND COLOGNE.
Claims use since Dec. 3, 1937.

Ser. No. 494,246. WELDON, INC., West Haven, Conn., and New York, N. Y. Filed Jan. 3, 1946.

Flower Garden

FOR PERFUMES, COLOGNE, SACHET POWDER, TALCUM POWDER, DUSTING POWDER, BUBBLE BATH OIL, AND BUBBLE BATH SALT.
Claims use since Feb. 4, 1942.

Ser. No. 494,280. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Jan. 4, 1946.

Prizma

FOR SHAMPOO.
Claims use since Dec. 8, 1945.

Ser. No. 494,673. GREEN CIRCLE PRODUCTS, Chicago, Ill. Filed Jan. 12, 1946.

THE GREEN CIRCLE

FOR LINIMENT FOR THE RELIEF OF MUSCULAR CRAMPS, STIFFNESS AND SORENESS, STIFF NECK, AND MINOR SPRAINS.
Claims use since Jan. 2, 1945.

Ser. No. 494,794. DAVID KAYE, doing business as Kaye Laboratories, Brooklyn, N. Y. Filed Jan. 15, 1946.

RACAL

FOR VITAMINIC PREPARATIONS TO BE USED AS PRESCRIBED BY A PHYSICIAN.
Claims use since 1939.

Ser. No. 494,804. ABBOTT LABORATORIES, North Chicago, Ill. Filed Jan. 16, 1946.

NEMBUDEINE

FOR SEDATIVE, ANALGESIC, AND ANTIPYRETIC COMPOUND.
Claims use since Dec. 27, 1945.

Ser. No. 494,829. ROBERT B. FALLENBERG, doing business as R. B. F. Chemical Co., and also as R. B. Fallenberg Laboratory, Glendale, Calif. Filed Jan. 16, 1946.

TRAILEZE

FOR VETERINARY REMEDY FOR THE RELIEF OF HOOF AILMENTS IN HORSES.
Claims use since June 1, 1945.

Ser. No. 495,011. CHEMICAL COATING MATERIALS COMPANY, Belleville, N. J. Filed Jan. 19, 1946.

TRANS E

FOR FINISHING COMPOSITIONS COMPRISING LACQUER AND RESIN-MIXED EMULSIONS FOR COLORING AND WATERPROOFING LEATHER, FABRICS, AND THE LIKE.
Claims use since Nov. 1, 1945.

Ser. No. 495,231. GEO. H. GOULD COMPANY, Louisville, Ky. Filed Jan. 23, 1946.

FUTPOWR

FOR MEDICATED POWDER FOR THE TREATMENT OF SIMPLE RINGWORM OF THE TOES AND FEET.
Claims use since Nov. 20, 1945.

Ser. No. 495,274. COSMOS INTERNATIONAL CORPORATION, New York, N. Y. Filed Jan. 24, 1946.

ENZYNORM

FOR PREPARATION TO BE TAKEN INTERNALLY TO RELIEVE GASTRIC DISTURBANCES.
Claims use since December 1937.

Ser. No. 495,669. HARDESTY CHEMICAL CO., INC., New York, N. Y. Filed Jan. 30, 1946.

HARCOL

FOR ARYL BENZENE, BEING AN INTERMEDIATE PRODUCT FOR INDUSTRIAL CONVERSION TO VARIOUS FINISHED PRODUCTS SUCH AS SYNTHETIC DETERGENTS.
Claims use since Jan. 8, 1946.

Ser. No. 496,419. ANABOLIC FOOD PRODUCTS, INC., Glendale, Calif. Filed Feb. 12, 1946.

SUPERLEUM

FOR MULTI-VITAMIN PERLES USED AS A DIETARY SUPPLEMENT FOR NUTRITIONAL PURPOSES.
Claims use since Nov. 17, 1944.

Ser. No. 496,765. JOHN M. CENICOLA, Los Angeles, Calif. Filed Feb. 18, 1946.

Lanico OINTMENT

The word "Ointment" is disclaimed apart from the mark.
FOR OINTMENTS USED IN THE TREATMENT OF ATHLETE'S FOOT, CHAPPED SKIN, INSECT STINGS, MINOR BURNS, AND SCALDS, MINOR SCALP IRRITATIONS, MINOR SUN BURN, POISON IVY, POISON OAK, PRICKLY HEAT, AND MINOR RECTAL IRRITATIONS.
Claims use since Aug. 15, 1945.

Ser. No. 496,863. FRANK M. SAGONA, doing business as Scharmouché Parfum Labs., Chicago and Rockford, Ill. Filed Feb. 18, 1946.

Jabali

FOR PERFUMES, COLOGNE, TOILET WATER, SACHET POWDER, BATH POWDER, TALCUM POWDER, FACE POWDER, AND HAND CREAM.
Claims use since Feb. 6, 1946.

Ser. No. 497,024. MARVIN GORDON, New York, N. Y., assignor to Carosel Parfum Co., New York, N. Y. Filed Feb. 21, 1946.



FOR TOILET WATER.
Claims use since Sept. 19, 1944.

Ser. No. 497,133. THEO. ROSS, doing business as Theo. Ross Associates, a division of Timsol Company of America, Los Angeles, Calif. Filed Feb. 23, 1946.

TIMSOL

FOR LIQUID COMPOUND USED AS A DISINFECTANT, GERMICIDE, FUNGICIDE, AND DEODORANT, HAVING INCIDENTAL CLEANSING PROPERTIES.
Claims use since Feb. 4, 1946.

Ser. No. 497,770. M. J. BENNETT & Co., New York, N. Y. Filed Mar. 7, 1946.

RID-O-SECT

FOR INSECTICIDE.
Claims use since Feb. 20, 1946.

Ser. No. 497,981. SOCIETE D'ETUDES ET D'EXPANSION DE LA PARFUMERIE DE LUXE, Paris and Asnieres, near Paris, France. Filed Mar. 9, 1946.

VISA

FOR PERFUMES.
Claims use since Nov. 16, 1945.

Ser. No. 498,482. ASSOCIATED PRODUCTS, INC., Chicago, Ill. Filed Mar. 19, 1946.

DYNASTY

FOR FACE POWDER, FACE MAKEUP IN LIQUID FORM, CREAMS FOR THE HANDS AND FACE, SHAMPOOS, HAND LOTIONS, LIPSTICKS, NAIL LACQUERS, AND PERFUME.
Claims use since Mar. 13, 1946.

Ser. No. 498,484. ASSOCIATED PRODUCTS, INC., Chicago, Ill. Filed Mar. 19, 1946.

ISOLDE

FOR FACE POWDER, FACE MAKEUP IN LIQUID FORM, CREAMS FOR THE HANDS AND FACE, SHAMPOOS, HAND LOTIONS, LIPSTICKS, NAIL LACQUERS, AND PERFUME.
Claims use since Feb. 28, 1946.

Ser. No. 498,674. WYETH INCORPORATED, Philadelphia, Pa. Filed Mar. 20, 1946.

THYPTOL

FOR LOTION FOR THE RELIEF OF SKIN IRRITATIONS DUE TO POISON IVY AND KINDRED TOXIC CONDITIONS.
Claims use since Mar. 6, 1946.

Ser. No. 499,772. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Apr. 6, 1946.

FLUOROLEUM

FOR DYES AND DYESTUFFS.
Claims use since Dec. 12, 1945.

Ser. No. 503,944. SANDOZ CHEMICAL WORKS, INC., New York, N. Y. Filed June 14, 1946.

MESANTOIN

FOR MEDICINAL PREPARATION RECOMMENDED FOR THE TREATMENT OF EPILEPSY.
Claims use since June 5, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 496,534. ERIC R. BACHMANN, Jackson Heights, Long Island, N. Y. Filed Feb. 14, 1946.

PIPE MASTER

No claim is made to the word "Pipe" apart from the mark.

FOR SMOKING PIPE CLEANING TOOL.

Claims use since Feb. 6, 1946.

CLASS 10

FERTILIZERS

Ser. No. 482,117. THE POLY-BLOOM CO., Brooklyn, N. Y. Filed Apr. 13, 1945.

POLY-BLOOM

Applicant disclaims the word "Bloom".

FOR CONCENTRATED PLANT FOOD AND FERTILIZER.

Claims use since Mar. 13, 1945.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 487,688. WHITNEY K. MUNSON, doing business as Ranger Products Company, East Orange, N. J. Filed Aug. 28, 1945.



FOR NON-SMEAR STAMP PADS AND NON-SMEAR INK.

Claims use since January 1938.

Ser. No. 493,794. MARVEL PRODUCTS, INC., New York, N. Y. Filed Dec. 22, 1945.

Marvel

FOR WRITING INKS, DRAWING INKS, STAMP PAD INKS, AND DUPLICATING INKS.

Claims use since Dec. 11, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 459,807. ALBERT C. FISCHER, doing business as Servicised Products Company, Chicago, Ill. Filed Apr. 12, 1943.

SERVICISED

FOR PLYWOOD; ASPHALT FIBER BOARDS AND PLANKS; CORRUGATED EAVE CLOSURE STRIPS FORMED OF ASPHALT AND/OR RUBBER COMPOSITION; ASPHALT COMPOSITION CABLE CONDUITS; BULK ASPHALT FOR FILLING EXPANSION JOINTS AND FOR OTHER STRUCTURAL PURPOSES; RUBBER TILE FLOORING; SEWER JOINTING COMPOUNDS; CLAY UNDERLAY SLABS; ASPHALT FELT ROOFING SHEETS AND SHINGLES; ASBESTOS CEMENT SHINGLES; STRUCTURAL SLABS OF FIBROUS MATERIAL; ASBESTOS ROOF-CEMENT; METAL PAVING JOINT TRANSLOADING DEVICES; SLATE-SURFACED ROOFING; BUILDING PAPERS; ASBESTOS-PAPER PIPE AND WALL INSULATION; FURNACE PIPE COVERING OF ASBESTOS PAPER OR THE LIKE; PAVING EXPANSION JOINTS; AND BITUMINOUS RAIL FILLERS FOR USE ALONGSIDE THE RAILS OF TRACTION LINES.

Claims use since Dec. 1, 1915.

Ser. No. 496,722. LAURENCE J. MCKNIGHT, Cleveland, Ohio. Filed Feb. 16, 1946.

FIXAG

FOR ADJUSTABLE LOAD BEARING METAL POSTS, COLUMNS AND STANCHIONS ADAPTED FOR PERMANENT USE IN BUILDING STRUCTURES FOR ADJUSTABLE COLUMNAR REENFORCEMENT AND SUPPORT OF BEAMS, JOISTS, AND THE LIKE.

Claims use since Nov. 10, 1945.

Ser. No. 497,027. KINKEAD INDUSTRIES INCORPORATED, Chicago, Ill. Filed Feb. 21, 1946.

kintrim

FOR METAL AND PLASTIC MOULDINGS FOR USE AS CONSTRUCTION MATERIAL.

Claims use since Oct. 15, 1945.

Ser. No. 499,629. THE JOHNSON-MARCH CORPORATION, New York, N. Y. Filed Apr. 4, 1946.

JOMCO

FOR MATERIAL FOR WATERPROOFING BRICK, STONE, CONCRETE AND STUCCO SURFACES; HARDENER AND ACCELERATOR FOR CONCRETE MIXES AND CEMENT MORTARS; WATERPROOFING, BONDING AND GROUTING MATERIAL FOR USE WITH PORTLAND CEMENT; QUICK-SETTING CONCRETE, CEMENT COMPOSITION FOR PATCHING CONCRETE FLOORS; CONCRETE MATERIAL FOR PORTLAND CEMENT MIXES.

Claims use since August 1944.

Ser. No. 500,328. SUNRAY AWNING SHUTTER COMPANY, Fort Lauderdale, Fla. Filed Apr. 16, 1946.

SUNRAY

FOR LOUVRE AWNINGS, LOUVRE PANELS, AND JALOUSIES.

Claims use since 1936.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 478,041. THE ELECTRIC RAILWAY IMPROVEMENT COMPANY, Cleveland, Ohio. Filed Dec. 29, 1944.

CADWELD

FOR METALS, METAL COMPOUNDS AND ALLOYS FOR USE IN THE PRODUCTION OF METAL BY EXOTHERMIC REACTION AND IN THE PROCESS OF WELDING METALS.

Claims use since Feb. 7, 1940.

CLASS 15

OILS AND GREASES

Ser. No. 486,261. KENDALL REFINING COMPANY, Bradford, Pa. Filed July 25, 1945.

FLEETLUBE

FOR LUBRICATING OILS.

Claims use since Mar. 14, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 491,522. STRAND CASTLE COMPANY, Lynwood, Calif. Filed Nov. 13, 1945.

AZTEC GLAZE



No claim is made to the word "Glaze" apart from the mark.

FOR GLAZE IN LIQUID AND PASTE FORM FOR POLISHING AND CLEANING AUTOMOBILES, AIRPLANES, AND FINISHED, LACQUERED, AND ENAMELED SURFACES.

Claims use since Oct. 9, 1938.

Ser. No. 492,556. GARRETT M. GOLDBERG, doing business as Garrett M. Goldberg Paint Company, San Francisco, Calif. Filed Dec. 3, 1945.

GMG

FOR PAINTS IN DRY, PASTE, AND/OR READY-MIXED FORMS, AND PAINTERS' MATERIALS—NAMELY, PAINTS, VARNISHES, PAINT ENAMELS, AND LACQUERS.

Claims use since June 1, 1906.

Ser. No. 493,866. G. H. WOOD & CO. LIMITED, Toronto, Ontario, Canada. Filed Dec. 22, 1945.

CROMAX

The lining on the drawing represents shading.

FOR FLOOR WAX.

Claims use since Oct. 27, 1939.

Ser. No. 494,741. ELLIS PAINT COMPANY, Long Beach, Calif. Filed Jan. 14, 1946.

PAR-LAY

FOR BRUSHING TYPE SYNTHETIC ENAMELS AND GENERAL PROTECTIVE COATINGS IN THE NATURE OF PAINT, FOR BRUSH, SPRAY, AND DIP APPLICATION.

Caims use since Dec. 1, 1945.

Ser. No. 496,553. JOHN F. GERMAIN, Brooklyn, N. Y. Filed Feb. 14, 1946.

SEZE-ON

FOR PAINTS AND PROTECTIVE COATINGS IN THE NATURE OF PAINTS.
Claims use since Jan. 7, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 496,266. PENINSULAR CIGAR CO., Tampa, Fla. Filed Feb. 8, 1946.

EL PLANO

FOR CIGARS.
Claims use since Nov. 4, 1899.

CLASS 19

VEHICLES

Ser. No. 473,436. TUCKER & SONS, Grass Valley, Calif. Filed Aug. 18, 1944.

SNO-CAT

No claim is made to the exclusive use of the word "Sno" apart from the mark.
FOR AUTOMOTIVE VEHICLES FOR TRAVELING OVER SNOW.
Claims use since Sept. 1, 1941.

Ser. No. 489,285. ROBINS-BERKE CO., Norwalk, Conn., assignor to The Roberk Company, Norwalk, Conn., a corporation of Connecticut. Filed Oct. 2, 1945.



FOR REAR VISION MIRRORS AND PARTS THEREFOR, EXHAUST PIPE GAS DEFLECTORS, AND GAS TANK CAPS.
Claims use since August 1945.

Ser. No. 491,004. THE GEMCO ENGINEERING & MANUFACTURING CO., INC., Cincinnati, Ohio. Filed Nov. 3, 1945.

GEMCO

FOR TRAILERS AND PARTS THEREOF.
Claims use since July 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 473,600. FRANKLIN PHOTOGRAPHIC INDUSTRIES, Chicago, Ill. Filed Aug. 25, 1944.

MUSICTRON

FOR ELECTRIC PHONOGRAPHS AND REPRODUCERS.
Claims use since July 10, 1944.

Ser. No. 485,922. RADIO RECEPTOR COMPANY, INC., New York, N. Y. Filed July 17, 1945.

Thermatron

FOR ELECTRONIC HIGH FREQUENCY GENERATORS FOR HEATING DIELECTRIC MATERIALS.
Claims use since November 1944.

Ser. No. 493,023. PHELPS DODGE COPPER PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 10, 1945.

PD-X

FOR NON-METALLIC SHEATHED CABLE.
Claims use since Nov. 6, 1945.

Ser. No. 493,110. ELECTRONIC LABORATORIES, INC., Indianapolis, Ind. Filed Dec. 12, 1945.

Utiliphone

FOR ELECTRIC INTER-COMMUNICATION LOUD SPEAKER RADIO TUBE-SET APPARATUS FOR OFFICE OR OTHER SUCH USE.
Claims use since Nov. 16, 1945.

Ser. No. 496,339. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 9, 1946.



Applicant disclaims the word "Rod" apart from the mark.
FOR ELECTRIC RANGE SURFACE HEATING UNITS.
Claims use since July 26, 1945.

Ser. No. 496,944. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Feb. 20, 1946.

AMEROCO

FOR AUTOMOBILE STORAGE BATTERIES.
Claims use since Jan. 16, 1946.

Ser. No. 498,331. VERTROD CORPORATION, New York, N. Y. Filed Mar. 15, 1946.

VERTROD

FOR RADIO ANTENNAS, CONSISTING OF A SECTIONAL MAST, A ROTARY BASE, TRANSFORMERS, AND TRANSMISSION CABLE.
Claims use since January 1941.

Ser. No. 498,349. HUDSON AMERICAN CORPORATION, New York, N. Y. Filed Mar. 16, 1946.



FOR TRANSFORMERS, RADIO BROADCAST RECEIVERS AND PARTS THEREFOR, AND MARINE RADIO TELEPHONE TRANSMITTERS AND RECEIVERS AND PARTS THEREFOR.
Claims use since Apr. 15, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 482,629. JONTHAY, New York, N. Y. Filed Apr. 26, 1945.

JOYMAKER

FOR TOY JACK-IN-THE-BOXES AND DOLLS.
Claims use since Apr. 19, 1945.

Ser. No. 490,407. TAYLOR-GRAVES, INC., Saybrook, Conn. Filed Oct. 23, 1945.

TEE GEE

FOR CHILD-PROPELLED TOY ROLLING STROLLERS AND TOY DUMP WAGONS.
Claims use since Sept. 28, 1945.

Ser. No. 491,721. MCNAB OF BRIDGEPORT, INC., Bridgeport, Conn. Filed Nov. 16, 1945.

UP AN ATOM

FOR TOYS COMPRISING A PLURALITY OF ELEMENTS WHICH MAY BE ASSEMBLED TO FORM PREDETERMINED OBJECTS AND FOR GAMES PLAYED WITH A PLURALITY OF PIECES.
Claims use since Oct. 29, 1945.

Ser. No. 500,380. FISHMASTER SPORTING GOODS CO., Quincy, Mass. Filed Apr. 17, 1946.

MULTI

FOR SWIVELS USED IN FISHING TACKLE.
Claims use since Jan. 2, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 471,301. COFFING HOIST COMPANY, Danville, Ill. Filed June 16, 1944.

POWER MASTER

The word "Power" is disclaimed separate and apart from the mark.
FOR HAND OPERABLE ENDLESS CHAIN POWERED CHAIN HOISTS OF THE GRAVITY LOWERING TYPE.
Claims use since Oct. 1, 1937.

Ser. No. 492,697. EKCO PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 5, 1945.

A&J

FOR KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—NAMELY, FOOD CHOPPERS, ICE PICKS, SCOOPS, CAN OPENERS, SPOONS, TURNERS, PEELING AND CORING TOOLS, EGG BEATERS, CULINARY FORKS, KNIFE SHARPENERS, VEGETABLE MASHERS, DOUGH BLENDERS, PLATE SCRAPERS, LADLES, FOOD SERVERS, SPATULAS, ALL MADE OF BASE METAL.
Claims use since Sept. 1, 1945.

Ser. No. 492,698. EKCO PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 5, 1945.

EKCO

FOR KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—NAMELY, FOOD CHOPPERS, ICE PICKS, SCOOPS, CAN OPENERS, SPOONS, TURNERS, PEELING AND CORING TOOLS, EGG BEATERS, CULINARY FORKS, KNIFE SHARPENERS, VEGETABLE MASHERS, DOUGH BLENDERS, PLATE SCRAPERS, LADLES, FOOD SERVERS, SPATULAS, KNIVES, BASE METAL TABLE FLATWARE.
Claims use since Sept. 1, 1944, on knives; since May 1, 1945, on table flatware; and since Nov. 1, 1944, on the remaining goods.

Ser. No. 492,699. EKCO PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 5, 1945.

A&J

FOR KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—NAMELY, FOOD CHOPPERS, ICE PICKS, SCOOPS, CAN OPENERS, SPOONS, TURNERS, PEELING AND CORING TOOLS, EGG BEATERS, CULINARY FORKS, KNIFE SHARPENERS, VEGETABLE MASHERS, DOUGH BLENDERS, PLATE SCRAPERS, LADLES, FOOD SERVERS, SPATULAS, ALL MADE OF BASE METAL.
Claims use since Sept. 1, 1945.

Ser. No. 494,984. VACO PRODUCTS COMPANY, Chicago, Ill., assignor to Vaco Products Company, a corporation of Illinois. Filed Jan. 18, 1946.

AMBERYL

FOR STEEL HAND TOOLS—NAMELY, AWLS, COUNTERSINKS, CLAMPS, CHISELS, DRILLS, HACKSAWS, HAMMERS, REAMERS, RATCHETS, SCREW DRIVERS, SOCKETS, AND WRENCHES.
Claims use since Jan. 20, 1938.

Ser. No. 494,985. VACO PRODUCTS COMPANY, Chicago, Ill., assignor to Vaco Products Company, a corporation of Illinois. Filed Jan. 18, 1946.

VACOLITE

FOR STEEL HAND TOOLS—NAMELY, AWLS, COUNTERSINKS, CLAMPS, CHISELS, DRILLS, HACKSAWS, HAMMERS, REAMERS, RATCHETS, SCREW DRIVERS, SOCKETS, AND WRENCHES.
Claims use since Feb. 15, 1940.

Ser. No. 494,991. VACO PRODUCTS COMPANY, Chicago, Ill., assignor to Vaco Products Company, a corporation of Illinois. Filed Jan. 18, 1946.

PARAMOUNT

FOR STEEL HAND TOOLS—NAMELY, SCREW DRIVERS.
Claims use since July 30, 1945.

Ser. No. 494,992. VACO PRODUCTS COMPANY, Chicago, Ill., assignor to Vaco Products Company, a corporation of Illinois. Filed Jan. 18, 1946.

PARALITE

FOR PLASTIC HANDLES FOR HAND TOOLS—NAMELY, SCREW DRIVERS, AWLS, COUNTERSINKS, CHISELS, HACKSAWS, AND WRENCHES.
Claims use since July 30, 1945.

Ser. No. 496,539. LEO CAPLAN, Detroit, Mich. Filed Feb. 14, 1946.

ROTOTRIM LAWN EDGER

The words "Lawn Edger" are disclaimed apart from the mark.
FOR LAWN EDGERS.
Claims use since Feb. 4, 1946.

Ser. No. 496,847. L G MANUFACTURING CO., Oakland, Calif. Filed Feb. 18, 1946.

L G

FOR WRENCHES AND OTHER SPECIAL TOOLS FOR REPAIRING WATCHES.
Claims use since Nov. 1, 1945.

Ser. No. 497,790. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Mar. 7, 1946.

BARBAROSSA

FOR SAFETY RAZORS AND SAFETY RAZOR BLADES.
Claims use since Feb. 26, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 473,729. FAIRBANKS, MORSE & CO., Chicago, Ill. Filed Aug. 30, 1944. Under section 5b of the act of 1905, as amended in 1920.

FAIRBANKS-MORSE

Applicant is the owner of Reg. Nos. 48,454 (renewed); 131,456 (renewed); 199,196 (renewed); 311,148; 311,257; 332,176; and 336,839.
FOR WEIGHING MACHINES, SCALES, BALANCES, AND PARTS THEREOF.
Claims use since June 10, 1944.

Ser. No. 483,839. AMERICAN LENS COMPANY, INC., New York, N. Y. Filed May 28, 1945.

ALECO

FOR OBJECTIVE LENSES AND REFLECTORS USED IN OPTICAL SYSTEMS.
Claims use since July 1941.

Ser. No. 487,252. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Aug. 18, 1945.

PRINTMASTER

FOR PRINTING AND DEVELOPING MACHINES USED IN THE PRINTING AND DEVELOPMENT OF LIGHT SENSITIVE DIAZOTYPE MATERIALS.
Claims use since May 16, 1945.

Ser. No. 494,007. BAY STATE OPTICAL COMPANY, Attleboro, Mass. Filed Dec. 29, 1945.

BAYBAR

FOR OPTHALMIC MOUNTINGS.
Claims use since June 19, 1939.

Ser. No. 494,008. BAY STATE OPTICAL COMPANY, Attleboro, Mass. Filed Dec. 29, 1945.

BAYCRAFT

FOR OPHTHALMIC MOUNTINGS.
Claims use since May 10, 1934.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 482,081. WALTHAM WATCH COMPANY, Waltham, Mass. Filed Apr. 12, 1945.

VIZITIME

FOR WATCHES.
Claims use since Mar. 20, 1945.

Ser. No. 483,984. PAMM FRERES S. A. R. L., Geneva, Switzerland. Filed May 30, 1945.

LUSINA

FOR WATCHES, WATCH MOVEMENTS AND PARTS THEREOF.
Claims use since 1921.

Ser. No. 498,281. HAMILTON WATCH COMPANY, Lancaster, Pa. Filed Mar. 15, 1946.

First Lady

FOR LADIES' WATCHES.
Claims use since July 1941.

Ser. No. 498,302. MOVADO WATCH AGENCY, INC., New York, N. Y. Filed Mar. 15, 1946.

CALENDOMATIC

FOR WATCHES.
Claims use since Mar. 1, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 481,853. JOSEPH H. MEYER BROS., Brooklyn, N. Y. Filed Apr. 7, 1945.

ARIS

FOR NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS.
Claims use since January 1941.

Ser. No. 492,672. ACCESSOCRAFT PRODUCTS CO., New York, N. Y. Filed Dec. 5, 1945.

FEATHAGOLD

FOR PLASTIC PLATED JEWELRY, NAMELY—NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, BEADS, ORNAMENTAL PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES ALL MADE OF PRECIOUS OR SEMI-PRECIOUS METAL, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since August 1945.

Ser. No. 494,799. MORRIS ROSENBLOOM & CO., INC., Rochester, N. Y. Filed Jan. 15, 1946.

ENDEARMENT

FOR FINGER RINGS.
Claims use since Dec. 10, 1945.

Ser. No. 497,332. RA-CE TOOL & METAL STAMPING CO., INC., New York, N. Y. Filed Feb. 27, 1946.

FEATHER TOUCH

FOR JEWELRY FINDINGS.
Claims use since Feb. 11, 1946.

Ser. No. 498,072. NEW ENGLAND GLASS WORKS, INC., Providence, R. I. Filed Mar. 12, 1946.

Jeray

FOR ORNAMENTAL JEWELRY, NAMELY—PINS, BROOCHES, LOCKETS, EARRINGS, BRACELETS, NECKLACES, COMPACTS, FINGER RINGS, PENDANTS, AND CIGARETTE CASES, MADE WHOLLY OR PARTLY OF PRECIOUS METAL.
Claims use since Feb. 1, 1946.

Ser. No. 498,082. D. RODITI & SONS, INC., New York, N. Y. Filed Mar. 12, 1946.

OUT OF THIS WORLD

FOR COSTUME JEWELRY, AND BRACELETS, FINGER RINGS, NECKLACES, MADE OF PRECIOUS OR SEMI-PRECIOUS METALS.
Claims use since Feb. 2, 1946.

Ser. No. 498,645. LOUIS G. MEYERS, doing business as Alpha-Craft Company, New York, N. Y. Filed Mar. 20, 1946.

Mopey and Dopey

FOR COSTUME JEWELRY.
Claims use since Mar. 8, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 486,251. GRAY-MILLS CO., Evanston, Ill. Filed July 25, 1945.

400

FOR REFRIGERATING APPARATUS, SPECIFICALLY APPARATUS FOR COOLING FLUIDS USED IN METAL CUTTING OPERATIONS.
Claims use since August 1943.

Ser. No. 502,385. MASTER INDUSTRIES, INC., New York, N. Y. Filed May 18, 1946.

OREZ

FOR ICE CREAM FREEZER.
Claims use since May 15, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 488,606. MULTI PRODUCTS, INCORPORATED, Chicago, Ill. Filed Sept. 17, 1945.



No claim is made to the exclusive use of the words "Decorative Appointments" apart from the mark.
FOR WALL BRACKETS, AND BOOK ENDS.
Claims use since Oct. 3, 1944.

Ser. No. 490,981. SYRACUSE ORNAMENTAL CO., New York, N. Y. Filed Nov. 2, 1945.

SyrocoWood

Applicant disclaims the word "Wood" apart from the mark.
FOR FURNITURE CARVINGS, MOULDINGS AND LEGS, CANDLE STANDS, BOOK ENDS, DESK DRAWER FITTINGS, PICTURE FRAMES, MIRROR FRAMES, MIRRORS, CURIO CABINETS, WALL BRACKETS, CURIO AND BOOK SHELVES, OCCASIONAL TABLES, TABORETTES, PRAYER BENCHES, DECORATIVE PANELS AND ORNAMENTATION FOR INSERTION INTO PIECES OF FURNITURE AND ADVERTISING DISPLAY STANDS.
Claims use since April 1931.

Ser. No. 491,820. FRANTZ INDUSTRIES, doing business as Aero-Art, Los Angeles, Calif. Filed Nov. 19, 1945.

AERO-ART

FOR LUGGAGE STANDS, FOLDING TRAY STANDS, SERVING CARTS, AND PORTABLE BARS.
Claims use since Sept. 1, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 465,738. HARRY DARBY, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Filed Dec. 13, 1943.

PRAIRIE SCHOONER

FOR STEAM BOILERS, METAL BOILER JACKETS, CASINGS FOR HEAT EXCHANGERS, STEAM CONDENSERS, CEMENT KILNS, STOVE, BOILER AND FURNACE FIRE DOORS.
Claims use since Nov. 16, 1943.

Ser. No. 473,493. AIRCRAFT COMPONENTS, INC., Van Nuys, Calif., now by change of name A. C. Mfg. Co., a corporation of California. Filed Aug. 22, 1944.



No claim is made to the word "Garden" apart from the mark.
FOR COMBINED CHARCOAL-FIRED BROILER AND SERVING CART.
Claims use since July 28, 1944.

Ser. No. 477,602. FOLLSAIN METALS LTD., Lutterworth, near Rugby, England. Filed Dec. 15, 1944.



The drawing is lined for shading only. Applicant disclaims the right to the exclusive use of the cut section of metal tube.
FOR BOILERS AND FURNACES FOR DOMESTIC AND INDUSTRIAL PURPOSES, AND PARTS THEREOF—NAMELY, BOILER BAFFLE PLATES, FIREBAR CARRIERS, BOILER DEAD PLATES, FIRE DOOR RINGS, DAMPERS, COMBUSTION CHAMBERS, CYANIDE POTS, SALT BATHS, BOTH OF WHICH LATTER ARE BOILERS OF A PARTICULAR SORT.
Claims use since June 1, 1935.

Ser. No. 499,727. THE MUNDIE MANUFACTURING COMPANY, Aurora, Ill. Filed Apr. 5, 1946.

COWBOY

FOR STOCK TANK HEATERS USING SOLID, LIQUID OR GASEOUS FUEL.
Claims use since 1910.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 489,510. CHARLES A. GLENN, doing business as Rhumboogie Recording Company, Chicago, Ill. Filed Oct. 6, 1945.

RHUMBOOGIE

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since June 14, 1945.

Ser. No. 493,452. MYRON EARL OSBURN, Enid, Okla. Filed Dec. 17, 1945.

VANDOLIN

FOR STRINGED MUSICAL INSTRUMENTS OF THE VIOLIN TYPE.
Claims use since Oct. 15, 1943.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 483,133. THE CROSLEY CORPORATION, Cincinnati, Ohio. Filed May 9, 1945.

BUY-WAY

FOR MONTHLY NEWS PUBLICATION.
Claims use since February 1939.

Ser. No. 489,492. SCHOLASTIC CORPORATION, New York, N. Y. Filed Oct. 5, 1945.

BUILDERS OF AMERICA

The word "America" is disclaimed apart from the mark as shown.
FOR FEATURE PAGE IN A WEEKLY PERIODICAL.
Claims use since Sept. 14, 1942.

Ser. No. 492,370. ENCYCLOPAEDIA BRITANNICA, INC., Chicago, Ill. Filed Nov. 29, 1945.

WINDOW ON THE WORLD

FOR NEWSLETTERS PUBLISHED FROM TIME TO TIME TO REFLECT IN POPULAR FORM SOCIAL, SCIENTIFIC AND ARTISTIC HAPPENINGS THROUGHOUT THE WORLD.
Claims use since Aug. 17, 1945.

Ser. No. 492,371. ENCYCLOPAEDIA BRITANNICA, INC., Chicago, Ill. Filed Nov. 29, 1945.

WORLD INTELLIGENCE

FOR NEWSLETTERS PUBLISHED FROM TIME TO TIME CONTAINING GENERALLY INACCESSIBLE MATERIAL IN DIGEST FORM OF THE WRITTEN OPINIONS OF AUTHORITIES IN THE FIELDS OF ECONOMICS, WORLD MILITARY STRATEGY AND POLITICS.
Claims use since Aug. 17, 1945.

Ser. No. 492,439. HENCE ASSOCIATES, INC., Chicago, Ill. Filed Nov. 30, 1945.

Hence

FOR MAGAZINE PUBLISHED MONTHLY ON SUBJECTS OF INTEREST TO VETERANS.
Claims use since Nov. 8, 1945.

Ser. No. 493,059. ROBERT FREUND, doing business as The Twin Editions, New York, N. Y. Filed Dec. 11, 1945.



The trade-mark is placed in an oval borderline and consists of a capital "T" headed by two dots representing the heads of the twins. From there two black lines run at an angle to represent the bodies and legs of the twins.
FOR COLOR-PRINTS AND BOOKS MONTHLY PUBLISHED.
Claims use since December 1941.

Ser. No. 496,622. HARVEY FEATURES SYNDICATE, New York, N. Y. Filed Feb. 15, 1946.



FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since Feb. 6, 1946.

Ser. No. 496,895. CORNING LEADER, INC., Corning, N. Y. Filed Feb. 19, 1946.

THE EVENING LEADER

The word "Evening" is disclaimed except in combination with the mark as shown.
FOR DAILY NEWSPAPER.
Claims use since Sept. 19, 1902.

CLASS 39

CLOTHING

Ser. No. 481,712. ALBERT W. PENDERGAST, Philadelphia, Pa. Filed Apr. 4, 1945.



No claim is made to the word "Safety" apart from the mark.
FOR INDUSTRIAL WORKERS' PROTECTIVE APPAREL—NAMELY, APRONS, GLOVES, SAFETY HATS, SLEEVES, AND SWEAT BANDS FOR WEAR ON THE HEAD.
Claims use since Mar. 15, 1945.

Ser. No. 484,221. WHITEWATER RAINCOAT COMPANY, Whitewater, Wis. Filed June 6, 1945.

PlaSSie

FOR COATS, CAPES, JACKETS, HOODS, AND HATS, FOR MEN, WOMEN, BOYS AND GIRLS, ALSO APRONS, BATHING CAPS, AND CHILDREN'S BIBS.
Claims use since Apr. 25, 1945.

Ser. No. 485,931. UNIVERSAL BRASSIERE AND JUSTRITE CORSET CO. INC., New York, N. Y. Filed July 17, 1945.

Justrite

FOR GIRDLES, PANTIE GIRDLES AND CORSETS.
Claims use since 1924.

Ser. No. 487,017. TIFFANY BLOUSE CORP., New York, N. Y. Filed Aug. 10, 1945.

TIFF-ANN

FOR LADIES' BLOUSES, DRESSES, SKIRTS, JACKETS, SUITS, PLAYSUITS, AND SLACKS.
Claims use since June 27, 1945.

Ser. No. 488,188. CHARVET & FILS, INC., New York, N. Y. Filed Sept. 10, 1945. Under 10-year proviso.

Charvet & Fils, INC.

FOR NECKTIES, OUTER SHIRTS, SWEATERS, PYJAMAS, DRESSING GOWNS, LOUNGING HOUSE SUITS, SCARFS, MUFFLERS, HANDKERCHIEFS, SOCKS, BRACES AND APPAREL BELTS.
Claims use since 1837.

Ser. No. 488,189. CHARVET & FILS, INC., New York, N. Y. Filed Sept. 10, 1945. Under 10-year proviso.

Charvet & Fils, INC.

FOR NECKTIES, OUTER SHIRTS, SWEATERS, PYJAMAS, DRESSING GOWNS, LOUNGING HOUSE SUITS, SCARFS, MUFFLERS, HANDKERCHIEFS, SOCKS, BRACES, AND APPAREL BELTS.
Claims use since 1837.

Ser. No. 489,880. NEW YORK MERCHANDISE CO., INC., New York, N. Y. Filed Oct. 12, 1945.

DOLORIS

FOR HAIR NETS.
Claims use since 1915.

Ser. No. 494,056. LOUIS GASTWIRTH & CO., New York, N. Y. Filed Dec. 29, 1945.

Gem TROPIC
Tailored like Daddy's

The words "Tailored like Daddy's" are disclaimed apart from the mark.
FOR CHILDREN'S AND BOYS' SUITS, COATS AND PANTS.
Claims use since Oct. 15, 1945.

Ser. No. 494,860. OSBORN BROTHERS, Chicago, Ill. Filed Jan. 16, 1946.

Chill-Cheaters

FOR EAR MUFFS.
Claims use since Mar. 1, 1945.

Ser. No. 495,193. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Jan. 22, 1946.

FIANCÉE

FOR LADIES' HOSIERY.
Claims use since Nov. 1, 1938.

Ser. No. 495,244. HENRIETTA KLOPFER, Toms River, N. J. Filed Jan. 23, 1946.

L'ABRI

FOR BRASSIÈRES, CORSETS, CORSET WAISTS, GARTER BELTS, BANDEAUX, AND GIRDLES.
Claims use since Jan. 2, 1946.

Ser. No. 495,276. CRESTWOOD LINEN COMPANY, New York, N. Y. Filed Jan. 24, 1946.

HANKY DOODLES

No claim is made to the word "Hanky" apart from the mark.
FOR HANDKERCHIEFS.
Claims use since Jan. 2, 1946.

Ser. No. 495,380. H. G. UNDERWEAR CORPORATION, New York, N. Y. Filed Jan. 25, 1946.

SILVER ROSE

FOR UNDERWEAR, PANTIES, SLIPS, NIGHTGOWNS, PAJAMAS, CHEMISES, BEDJACKETS AND BATHROBES, BEACH ROBES, AND LOUNGING ROBES, FOR WOMEN AND CHILDREN.
Claims use since Jan. 15, 1946.

Ser. No. 495,494. JACK NAHAN, Los Angeles, Calif. Filed Jan. 26, 1946.

W S Waldorf Square

Applicant disclaims the right to the exclusive use of the word "Waldorf" except in the relation shown.
FOR SHOES OF LEATHER.
Claims use since Oct. 18, 1945.

Ser. No. 495,665. MARY GOODFELLOW, New York, N. Y. Filed Jan. 30, 1946.

Mary Goodfellow

The name "Mary Goodfellow" is a facsimile of the applicant's signature.
FOR LADIES' HATS.
Claims use since September 1940.

Ser. No. 496,844. K. C. BOYSWEAR MFG. CO., Kansas City, Mo. Filed Feb. 18, 1946.

K C

The figure illustrated is fanciful.
FOR BOYS' OUTER CLOTHING, SPECIFICALLY, BIB PANTS, SHIRTS, SLACKS, KNICKERS, SHORTS, SUITS, JACKETS, OVERCOATS, SNOW SUITS AND BOOT PANTS.
Claims use since Mar. 7, 1944.

Ser. No. 497,721. JOSEPH M. KLEIN, New York, N. Y. Filed Mar. 6, 1946.

Camden Square

The name "Camden" is disclaimed apart from the mark.
FOR MEN'S OVERCOATS AND TOPCOATS, AND SUITS—NAMELY, COATS, PANTS, AND VESTS.
Claims use since 1905.

Ser. No. 497,722. JOSEPH M. KLEIN, New York, N. Y. Filed Mar. 6, 1946.

Climount
DESIGNED BY
ZARRELLI
for Jos. M. Klein

The wording "Designed by Zarrelli for Jos. M. Klein" is disclaimed apart from the mark.
FOR MEN'S OVERCOATS AND TOPCOATS, AND SUITS—NAMELY, COATS, PANTS, AND VESTS.
Claims use since September 1905.

Ser. No. 497,912. ALICE FROCK CO., San Francisco, Calif. Filed Mar. 9, 1946.

Alice OF CALIFORNIA

The geographical term "of California" is disclaimed apart from the mark.
FOR WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, BLOUSES, OUTER SHIRTS, SLACKS, SLACK SUITS, COATS, JACKETS, DRESSES, OUTER SKIRTS, OUTER SHORTS, PLAY SUITS, SUN SUITS, BATHING SUITS, SWEATERS, SCARFS, HATS AND CAPS, FABRIC GLOVES, BELTS FOR OUTER WEAR, AND GIRDLES.
Claims use since Jan. 2, 1946.

Ser. No. 498,125. DUBROWSKY AND JOSEPH, New York, N. Y. Filed Mar. 13, 1946.

CHUB-BELLE

FOR INFANTS' AND CHILDREN'S COATS.
Claims use since Oct. 1, 1945.

Ser. No. 498,272. THE CROWN OVERALL MFG. CO., Cincinnati, Ohio. Filed Mar. 15, 1946.

HEADIES

FOR ARTICLES OF APPAREL—NAMELY, CHILDREN'S PLAY CLOTHES, COMPRISING TROUSERS, ROMPERS, SHIRTS AND JACKETS; SUITS, OVERALLS, SPORTSWEAR, COMPRISING TROUSERS, SLACKS, SHIRTS, VESTS AND JACKETS; PANTS AND SHIRTS.
Claims use since Jan. 1, 1930.

Ser. No. 498,367. ALLEN MANUFACTURING CO., Chicago, Ill. Filed Mar. 18, 1946.

Allenshire
DESIGNED & TAILORED BY
Allen OF CHICAGO

No claim is made to the wording "Designed & Tailored by Allen of Chicago" apart from the mark.
FOR WOMEN'S, MISSES' AND JUNIORS' SPORTSWEAR—NAMELY, SKIRTS, SLACKS, JUMPERS, JERKINS, SHIRTS, JACKETS, SLACK SUITS, AND SUITS.
Claims use since Jan. 21, 1946.

Ser. No. 498,441. NORTH SHORE MANUFACTURING COMPANY, Duluth, Minn. Filed Mar. 18, 1946.

"HAPPY SNAPPY"

Applicant disclaims the word "Snappy" apart from the mark.
FOR CHILDREN'S PLAY CLOTHES, PRINCIPALLY OF COTTON AND RAYON AND MIXTURES OF COTTON, RAYON, AND WOOL—NAMELY, COVERALL SUITS, OVERALLS, AND JACKETS.
Claims use since Nov. 26, 1945.

Ser. No. 498,703. MILTON KATZ, doing business as Judith Ann Knitwear Co., Brooklyn, N. Y. Filed Mar. 21, 1946.

Judith Ann

FOR WOMEN'S, GIRLS' AND CHILDREN'S SWEATERS.
Claims use since Sept. 5, 1944.

Ser. No. 499,020. SITROUX INC., New York, N. Y. Filed Mar. 26, 1946.

QUEEN QUALITY

The word "Quality" is disclaimed apart from the mark.
FOR HAIR NETS.
Claims use since Dec. 22, 1914.

CLASS 40

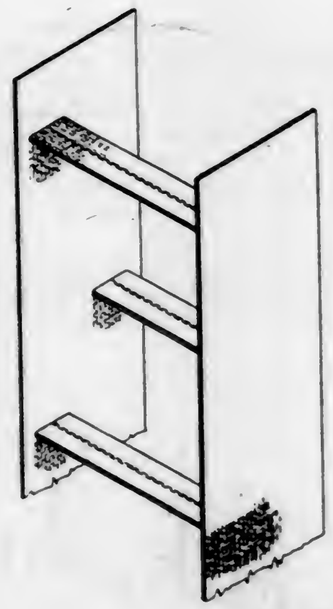
FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 494,143. TONI, INCORPORATED, St. Paul, Minn., assignor to Noma, Incorporated, St. Paul, Minn., a corporation of Minnesota. Filed Dec. 29, 1945.

toni

FOR NON-ELECTRICAL HAIR CURLERS, NOT MADE OF PRECIOUS METAL.
Claims use since Aug. 1, 1944.

Ser. No. 494,334. INTERNATIONAL BRAID COMPANY, Providence, R. I. Filed Jan. 5, 1946.

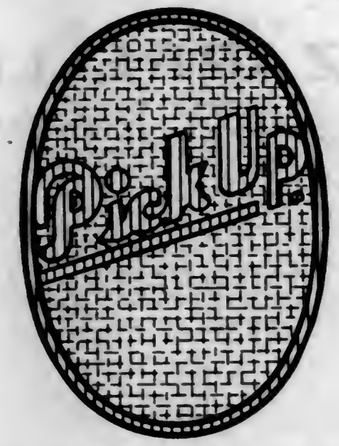


No claim is made to the exclusive use of the representation of the goods per se. The trade-mark consists of a single stripe in each of the successive cross straps or cross tapes of ladder web for Venetian blinds, said stripe running longitudinally of the cross straps, said stripe being located centrally of said cross straps and being readily visible yellow warp thread or threads, distinctive from the color of the cross straps.
FOR SUPPORT FOR VENETIAN BLIND SLATS.
Claims use since Sept. 7, 1937.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 494,097. WILLIAM H. MASON, Leesburg, Ohio. Filed Dec. 29, 1945.



The drawing is lined for the colors yellow, red and black.
FOR CANES.
Claims use since Dec. 10, 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 485,852. ASHER & BORETZ, INC., New York, N. Y. Filed July 16, 1945.

VYLAN

FOR WOVEN COTTON FABRICS IN THE GREIGE, BLEACHED OR DYED, AND COATED WITH A VINYL PLASTIC COATING, AND EMBOSSED IN DIFFERENT PATTERNS.
Claims use since Mar. 1, 1944.

Ser. No. 485,853. ASHER & BORETZ, INC., New York, N. Y. Filed July 16, 1945.

VYLEATHER

FOR WOVEN COTTON FABRICS IN THE GREIGE, BLEACHED OR DYED, AND COATED WITH A VINYL PLASTIC COATING, AND EMBOSSED IN DIFFERENT PATTERNS.
Claims use since Mar. 1, 1944.

Ser. No. 493,921. DUPLEX FABRICS CORPORATION, New York, N. Y. Filed Dec. 27, 1945.

SILDUKA

FOR RAYON PIECE GOODS.
Claims use since Apr. 17, 1936.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 464,537. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed Oct. 30, 1943. Under section 5b of the act of 1905 as amended in 1920.

EDISON

FOR FINELY DIVIDED AND SUBSTANTIALLY PURE METALLIC IRON REDUCED BY HYDROGEN FOR USE AS A CONSTITUENT OR INGREDIENT OF FOODS AND FOOD STUFFS INCLUDING BREAD, CAKE, CRACKERS, CEREALS, ANIMAL FOODS, FLOUR AND YEAST.
Claims use since Feb. 27, 1942.

Ser. No. 482,486. B. A. GRIFFIN COMPANY, INC., Milwaukee, Wis. Filed Apr. 23, 1945.

SKI

FOR SPICED AND PICKLED HERRING.
Claims use since 1927.

Ser. No. 488,774. RECKITT & COLMAN LIMITED, Hull, England. Filed Sept. 20, 1945.



The applicant is the owner of United States trade-mark registrations 25,989, 26,355, 28,784, 28,788. 28,812, 28,814, 150,308, and 150,309. The parallel lining of the drawing is for shading only.
No claim is made to any of the wording except "Savora" and "Bulls Head" apart from the mark as shown in the drawing.
FOR PREPARATION OF MUSTARD FORMING A RELISH, CONDIMENT OR SAUCE.
Claims use since 1938.

Ser. No. 491,859. LUCKY "11" SANDWICH SYSTEM, St. Joseph, Mo. Filed Nov. 19, 1945.



The drawing is lined for the colors green and yellow.
FOR SANDWICHES MADE OF TURKEY, CHEESE, PORK, BEEF AND/OR TOMATOES WITH BUTTER AND BREAD OR BUNS.
Claims use since October 1938.

Ser. No. 494,084. LEE GROWERS COOPERATIVE, Tampa, Fla. Filed Dec. 29, 1945.

TAMPA BELLE

No claim is made to the geographical word "Tampa" except as shown.
FOR CANNED CITRUS JUICES.
Claims use since Dec. 15, 1944.

Ser. No. 494,464. ROSCOE SKIPPER, INC., Avon Park, Fla. Filed Jan. 8, 1946.

RIDGECREST

FOR ORANGES, FRESH GRAPEFRUIT AND FRESH TANGERINES.
Claims use since Dec. 10, 1945.

Ser. No. 495,694. RICE GROWERS ASSOCIATION OF CALIFORNIA, Sacramento, Calif. Filed Jan. 30, 1946.

VI-TAMIC

FOR RICE.
Claims use since Jan. 1, 1946.

Ser. No. 495,695. RICE GROWERS ASSOCIATION OF CALIFORNIA, Sacramento, Calif. Filed Jan. 30, 1946.

VITA-LOK

No claim is made to the word "Vita" apart from the mark.
FOR RICE.
Claims use since Jan. 1, 1946.

Ser. No. 495,840. STANDARD MILLING COMPANY, New York, N. Y., assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois. Filed Feb. 1, 1946.

NOVIA

FOR WHEAT FLOUR.
Claims use since Nov. 21, 1945.

Ser. No. 495,882. HAAS BROTHERS, San Francisco, Calif. Filed Feb. 2, 1946.

TrupaK

Applicant is the owner of Reg. Nos. 171,110 (renewed); 199,979 (renewed); 220,757; and 388,076.
FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FRUITS FOR SALAD, CANNED VEGETABLES FOR SALAD, CANNED FRUIT JUICES FOR FOOD PURPOSES, CANNED VEGETABLE JUICES FOR FOOD PURPOSES, CANNED SAUERKRAUT JUICE FOR FOOD PURPOSES, CANNED SAUERKRAUT, CANNED SUCCOTASH, CANNED PORK AND BEANS, OLIVES, MUSHROOMS, APPLE SAUCE, BROWN BREAD, TOMATO PASTE, TOMATO CATSUP, CRANBERRY SAUCE, CANNED FISH, CANNED FISH FLAKES, CANNED SHELL FISH, CANNED CLAM JUICE, CANNED SOUPS, CANNED PIMIENTOS, CANNED HOMINY, DRIED FRUITS, DRIED VEGETABLES, ALIMENTARY PASTE PRODUCTS, RAISINS, CURRANTS, PEARL BARLEY, TAPIOCA, RICE, POPCORN IN ITS NATURAL STATE, FIGS, DATES, MINCEMEAT, PEANUT BUTTER, PICKLES, HONEY, VINEGAR, CIDER VINEGAR, SUGAR AND MAPLE SYRUP, FLAVORING EXTRACTS FOR FOODS, PEPPER SAUCE, WORCESTERSHIRE SAUCE, GARLIC SAUCE, SOY SAUCE, GREEN CHILE PEPPERS, OLIVE OIL, SWEET RELISH COMPOSED OF CUCUMBERS, CAULIFLOWER, VINEGAR, SUGAR, AND SPICES, FRUIT PRESERVES, ORANGE MARMALADE, JELLY MARASCHINO CHERRIES, CHILI POWDER, GARLIC SALT, SALAD MUSTARD, CELERY SALT, ONION SALT, PAPRIKA, NUTMEG, WHITE PEPPER, ALLSPICE, CLOVES, POPPY SEED, CINNAMON, MUSTARD, CURRY POWDER, CELERY SEED, CARAWAY SEED, FOOD SEASONING COMPOSED OF SOY SAUCE, VINEGAR AND SPICES, BOUILLON CUBES, AND BIRD FOOD.
Claims use since Jan. 4, 1923.

Ser. No. 496,330. ISIDORE PELLENBERG, New York, N. Y. Filed Feb. 9, 1946.

KOOK-N-ALL

Apart from the combination "Kook-N-All," the term "Kook-N" is disclaimed.
FOR VEGETABLE OIL FOR FOOD PURPOSES, OLIVES, CONDIMENTS, FOOD FLAVORING TABLE SAUCES, PICKLES, SALAD DRESSING, FRENCH DRESSING, SPICES, AND MAYONNAISE.
Claims use since Jan. 2, 1946.

Ser. No. 497,218. VALLEY FRUIT DISTRIBUTORS, Victor, Calif. Filed Feb. 25, 1946.

VALLEY BOY

FOR FRESH GRAPES.
Claims use since Feb. 9, 1946.

Ser. No. 497,591. WILLIAM G. CARNAHAN, Blaine, Tenn. Filed Mar. 4, 1946.

FRENCHIPS

No claim is made to the word "Chips" except as shown.
FOR PACKAGED PREPARED FOOD MADE FROM CORN—NAMELY, CORN CHIPS.
Claims use since Jan. 20, 1946.

Ser. No. 497,771. S. A. BERMAN, doing business as Frozen Dough Products of America, Minneapolis, Minn. Filed Mar. 7, 1946.

Kitchen Lady

FOR FROZEN DOUGH.
Claims use since Jan. 10, 1945.

Ser. No. 498,419. T. E. HOUGH, doing business as Hough Packed Produce, Harlingen, Tex. Filed Mar. 18, 1946.

"BusPat"

FOR FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since 1936.

Ser. No. 498,713. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Mar. 21, 1946.

Ken-L

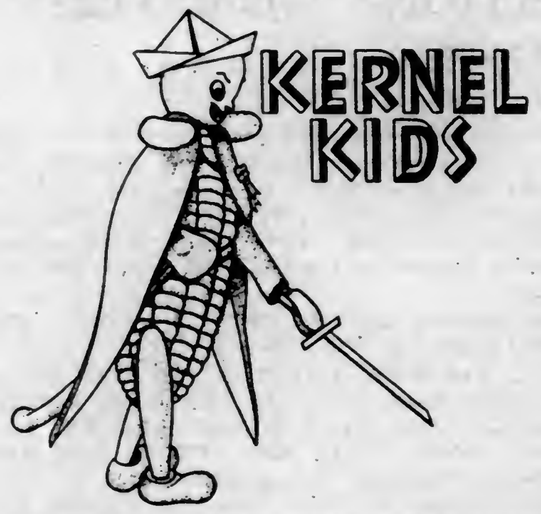
Applicant is the owner of registrations 278,526, 377,432 and 188,326.
FOR DOG FOOD.
Claims use since Jan. 17, 1946.

Ser. No. 498,804. SHEFFORD CHEESE COMPANY, INC., Green Bay, Wis. Filed Mar. 22, 1946.

Chevel

Applicant is the owner of Reg. No. 318,482.
FOR CHEESE FOOD MIXTURE.
Claims use since Mar. 7, 1946.

Ser. No. 498,967. WEST BEND CANNERS INC., West Bend, Wis. Filed Mar. 25, 1946.



No claim is made to the word "Kernel" apart from the mark.
FOR CANNED CORN.
Claims use since September 1941.

Ser. No. 499,550. GREEN BAY CANNING CORPORATION, Green Bay, Wis. Filed Apr. 3, 1946.

TA-KO-MA

FOR CANNED VEGETABLES—NAMELY, SWEET PEAS, EARLY PEAS, SHOESTRING CARROTS, DICED CARROTS, WHOLE BEETS, CUT BEETS, DICED BEETS AND SHOESTRING BEETS.
Claims use since Jan. 1, 1907.

CLASS 47

WINES

Ser. No. 495,537. THE BUGLER BRAND AND AGENCIES LTD., Vancouver, British Columbia, Canada. Filed Jan. 28, 1946.



The mark is a girl standing on a rock blowing a bugle. The design is merely fanciful.
FOR WINES.
Claims use since Apr. 3, 1945.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 495,538. THE BUGLER BRAND AND AGENCIES LTD., Vancouver, British Columbia, Canada. Filed Jan. 28, 1946.



The mark is a girl standing on a rock blowing a bugle. The design is merely fanciful.
FOR BEER.
Claims use since Apr. 3, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 496,025. WILLARD HELBURN, INC., Peabody, Mass. Filed Feb. 5, 1946.

SYNTHIDE

FOR ARTIFICIAL LEATHER.
Claims use since Jan. 22, 1946.

Ser. No. 496,949. CERTIFIED DRY MAT CORPORATION, New York, N. Y. Filed Feb. 20, 1946.

MIROMAT

FOR MATRIX, DRY MATS AND FLONGS USED IN STEREOTYPING AND ELECTROTYPING.
Claims use since Jan. 23, 1946.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905].

SEPTEMBER 10, 1946

423,673. WATCHES, WATCH CASES, WATCH PARTS, WATCH MOVEMENTS, WATCH BRACELETS SOLD AS A UNIT WITH THE WATCH. ISAAC SHIFREN, doing business as Stetson Watch Company, Philadelphia, Pa.
Filed September 29, 1937. Serial No. 397,955. PUBLISHED NOVEMBER 30, 1937. Class 27.

423,674. ORGANIZATION JEWELRY TO BE WORN ON THE PERSON, NOT INCLUDING WATCHES AND FOR ARTICLES MADE OF PRECIOUS METAL, IN WHOLE OR IN PART—NAMELY, CIGARETTE CASES AND CIGARETTE BOXES. BOEING AIRCRAFT COMPANY, Seattle, Wash.
Filed February 10, 1942. Serial No. 450,873. PUBLISHED JUNE 18, 1946. Class 28.

423,675. CARTOONS. EUGENE F. BYRNES, New York, N. Y.
Filed September 30, 1943. Serial No. 463,772. PUBLISHED JUNE 4, 1946. Class 38.

423,676. LADIES' JEWELRY—NAMELY, BROOCHES, BRACELETS, EARRINGS, CAMEOS, AND PENDANTS, NOT INCLUDING WATCHES. VAN DELL Co., Providence, R. I.
Filed November 19, 1943. Serial No. 465,162. PUBLISHED JUNE 11, 1946. Class 28.

423,677. MEN'S AND WOMEN'S SWEATERS, SUITS, SCARFS, AND HOSIERY, ALL FABRICATED FROM YARN HAVING A SUBSTANTIAL CONTENT OF KANGAROO FUR THEREIN. LOUIS B. STRAUSS, Manhattan Beach, N. Y.
Filed March 24, 1944. Serial No. 468,642. PUBLISHED JUNE 18, 1946. Class 39.

423,678. PILE FABRIC PIECE GOODS HAVING A SUBSTANTIAL ALPACA CONTENT. ROYAL TEXTILE Co., Boston, Mass.
Filed March 27, 1944. Serial No. 468,738. PUBLISHED OCTOBER 31, 1944. Class 42.

423,679. CRIB SHEETS, PILLOW CASES; CRIB SHEET AND PILLOW CASE SETS CONSISTING OF CRIB SHEETS AND PILLOW CASES, ETC. BRODY MFG. Co., Chicago, Ill.
Filed May 3, 1944. Serial No. 469,891. PUBLISHED MAY 28, 1946. Class 42.

423,680. STILL PICTURE PROJECTING MACHINES FOR INSTRUCTIONAL USES. VICTORLITE INDUSTRIES, Los Angeles, Calif.
Filed August 8, 1944. Serial No. 473,078. PUBLISHED JULY 24, 1945. Class 26.

423,681. RAISINS. FEWEL BROS. & Co., Fresno, Calif., assignor to Fewel Bros. Packing Co., Fresno, Calif., a co-partnership.
Filed October 2, 1944. Serial No. 474,793. PUBLISHED DECEMBER 26, 1944. Class 46.

423,682. SAUSAGE. DOUBLE "O" SAUSAGE CORPORATION, Chicago, Ill.
Filed October 4, 1944. Serial No. 474,886. PUBLISHED JUNE 11, 1946. Class 46.

423,683. SAUSAGE. DOUBLE "O" SAUSAGE CORPORATION, Chicago, Ill.
Filed October 4, 1944. Serial No. 474,887. PUBLISHED JUNE 11, 1946. Class 46.

423,684. RUM. COMPAÑIA LICORERA DE MATANZAS, S. A., Matanzas City, Cuba.
Filed October 17, 1944. Serial No. 475,387. PUBLISHED JUNE 18, 1946. Class 49.

423,685. SHAMPOO, BUBBLE BATH, INSECT POWDER, DEODORANTS, LOTIONS, CREAMS, OINTMENTS, EYEWASH, ANTISEPTIC POWDER, AND BATH OIL FOR CATS. FRANZ KOENIGSBERGER, doing business as Kinghill Laboratories, New York, N. Y.
Filed November 22, 1944. Serial No. 476,770. PUBLISHED MARCH 6, 1945. Class 6.

423,686. PERFUME, TOILET WATER, EAU DE COLOGNE, FACE, TALCUM, AND BATH POWDER, LIQUID AND CAKE ROUGE, LIPSTICK, FACE AND HAND CREAM AND LOTION, AND BATH SALT. JEROME F. MAY, Asbury Park, N. J.
Filed November 29, 1944. Serial No. 477,026. PUBLISHED APRIL 10, 1945. Class 6.

423,687. BRANDY. ROMA WINE COMPANY, New York, N. Y., and Fresno, Calif.
Filed December 15, 1944. Serial No. 477,625. PUBLISHED JUNE 18, 1946. Class 49.

423,688. FUNGICIDE FOR ADDITION TO A VARNISH, PAINT, OR LACQUER. MER-Q-REE, INCORPORATED, Bethesda, Md.
Filed January 16, 1945. Serial No. 478,686. PUBLISHED JUNE 5, 1945. Class 6.

423,689. INSECTICIDES. A. BROMM & COMPANY, Evansville, Ind.
Filed January 22, 1945. Serial No. 478,850. PUBLISHED APRIL 3, 1945. Class 6.

423,690. ANTIBACTERIAL PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed February 21, 1945. Serial No. 480,092. PUBLISHED JUNE 4, 1946. Class 6.

423,691. TRANSPARENT ARTICLE PROTECTIVE COVERS MADE FROM PLASTIC FILM—NAMELY, LAMP SHADE COVERS, BRIDGE TABLE COVERS, ETC. A. L. SIEGEL Co., INC., New York, N. Y., assignor to Klear-Vu Products Co., Newark, N. J., a partnership.
Filed February 24, 1945. Serial No. 480,197. PUBLISHED JUNE 11, 1946. Class 50.

423,692. APPLE JUICE AND CIDER. DUFFY-MOTT COMPANY, INC., New York, N. Y.
Filed March 2, 1945. Serial No. 480,407. PUBLISHED JUNE 4, 1946. Class 45.

423,693. COMBINATION RECTIFIER AND MAGNETIZER AND DEMAGNETIZER FOR MAGNETIC CHUCKS. CONTINENTAL MACHINES, INCORPORATED, Minneapolis, Minn., assignor, by mesne assignments, to The Doall Company, Des Plaines, Ill., a corporation of Illinois.
Filed March 3, 1945. Serial No. 480,438. PUBLISHED OCTOBER 9, 1945. Class 21.

423,694. SURFACE ANAESTHETIC FOR EXTERNAL USE. PROCO-SOL CHEMICAL Co., INC., Philadelphia, Pa.
Filed March 7, 1945. Serial No. 480,621. PUBLISHED JUNE 11, 1946. Class 6.

423,695. WOMEN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. THE BERLAND SHOE STORES, INC., St. Louis, Mo.
Filed March 8, 1945. Serial No. 480,642. PUBLISHED JUNE 18, 1946. Class 39.

423,696. BUBBLE BATH COMPOUNDS. GUY J. BANTA, Los Angeles, Calif.
Filed March 19, 1945. Serial No. 481,041. PUBLISHED JUNE 11, 1946. Class 6.

423,697. AFTER SHAVE COLOGNE. ETHEL CASSELMAN, doing business as National Distributors of Hollywood, Hollywood, Calif., assignor to Beau Brummel Ties, Inc., Cincinnati, Ohio, a corporation of Ohio.
Filed March 22, 1945. Serial No. 481,177. PUBLISHED AUGUST 21, 1945. Class 6.

423,698. FEEDS FOR LIVESTOCK, POULTRY, AND DOGS AND CATS—NAMELY, CONDENSED AND DRIED DISTILLERS' SOLUBLES. FARM CROPS PROCESSING CORPORATION, Omaha, Nebr.
Filed April 4, 1945. Serial No. 481,700. PUBLISHED JULY 24, 1945. Class 46.

423,699. WITHDRAWN.

423,700. LUBRICANT TO BE USED IN GASOLINE FOR LUBRICATING THE INNER CHAMBER OF INTERNAL-COMBUSTION ENGINES AND FOR THE PREVENTION OF HARD CARBON FORMATION. ROBERT J. BELL, doing business as Bell Laboratories, Orlando, Fla.
Filed April 20, 1945. Serial No. 482,359. PUBLISHED JUNE 11, 1946. Class 15.

423,701. SPECIAL OIL ADDED TO MOTOR LUBRICATING OIL, FOR THE PURPOSE OF KEEPING OIL LINES OPEN AND IMPROVING OPERATION OF THE MOTOR. ROBERT J. BELL, doing business as Bell Laboratories, Orlando, Fla.
Filed April 20, 1945. Serial No. 482,360. PUBLISHED JUNE 11, 1946. Class 15.

423,702. MOLDED CONTAINER CAPS. PRO-PHY-LACTIC BRUSH COMPANY, Northampton, Mass.
Filed April 25, 1945. Serial No. 482,589. PUBLISHED JUNE 18, 1946. Class 50.

423,703. PRECOOKED FROZEN MEALS ADAPTED FOR HOT SERVING, CONSISTING OF VARIOUS COMBINATIONS OF A MEAT, MEAT AND EGGS OR STEW, WITH ONE OR MORE VEGETABLES, WITH OR WITHOUT BREAD AND WITH OR WITHOUT A DESSERT. THE W. L. MAXSON CORPORATION, New York, N. Y., assignor to Maxson Food Systems, Inc., New York, N. Y.
Filed April 27, 1945. Serial No. 482,685. PUBLISHED OCTOBER 30, 1945. Class 46.

423,704. PLASTIC LETTERS FOR USE IN SIGN BOARDS. NEW ENGLAND ADVERTISING INC., Boston, Mass.
Filed April 28, 1945. Serial No. 482,757. PUBLISHED JUNE 11, 1946. Class 50.

423,705. RELIGIOUS AND GIFT STATUES, STATUETTES, ARTIFICIAL FLOWERS, WALL PLAQUES, FIGURINES FOR CHURCH AND HOME DECORATION, ETC. SYRACUSE ORNAMENTAL Co., Syracuse, N. Y.
Filed May 11, 1945. Serial No. 483,246. PUBLISHED JUNE 11, 1946. Class 50.

423,706. PREPARATION FOR TREATING ATHLETE'S FOOT AND RINGWORM. TROY COOK, doing business as Cook's Drug Store and Bis-Rheu Company, Cumberland, Ky.
Filed May 12, 1945. Serial No. 483,260. PUBLISHED JUNE 4, 1946. Class 6.

423,707. COMPOUND USABLE AS A LINIMENT AND AN INHALANT TO RELIEVE HEAD COLDS. UNIVERSAL DRUG PRODUCTS, INC., Cleveland, Ohio.
Filed May 12, 1945. Serial No. 483,291. PUBLISHED JUNE 11, 1946. Class 6.

423,708. MEDICATED FOOT POWDER, LIQUID CORN REMOVER, AND OINTMENT TO BE USED FOR MASSAGING THE FEET. UNIVERSAL DRUG PRODUCTS, INC., Cleveland Ohio.
Filed May 12, 1945. Serial No. 483,292. PUBLISHED JUNE 11, 1946. Class 6.

423,709. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FELT, OR FABRIC. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed June 4, 1945. Serial No. 484,132. PUBLISHED JUNE 18, 1946. Class 39.

423,710. HOUSE ORGAN DEVOTED TO THE METALLURGY, PRODUCTION AND USE OF CAST METAL ROLLS AND IRON AND STEEL CASTINGS. THE NATIONAL ROLL & FOUNDRY COMPANY, Avonmore, Pa.
Filed June 8, 1945. Serial No. 484,314. PUBLISHED MARCH 19, 1946. Class 38.

423,711. AUTOMATIC WEIGHERS, WHICH ARE MACHINES THAT FEED MATERIAL INTO WEIGHING RECEPTACLES AND WHICH DISCHARGE THEREFROM WEIGHED AMOUNTS OF MATERIAL INTO CONTAINERS FOR PACKAGING PURPOSES, ETC. TRIANGLE PACKAGE MACHINERY COMPANY, Chicago, Ill., assignor to Triangle Package Machinery Company, a corporation of Illinois.
Filed April 28, 1945. Serial No. 482,771. PUBLISHED JUNE 18, 1946. Class 26.

423,712. OINTMENT EFFECTIVE AGAINST BACTERIA AND USEFUL IN THE PREVENTION AND TREATMENT OF SKIN INFECTIONS AND IN THE THERAPY OF ULCERS AND WOUNDS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 9, 1945. Serial No. 484,370. PUBLISHED NOVEMBER 20, 1945. Class 6.

423,713. PERFUME, LIPSTICK, FACE POWDER, BRILLIANTINE, AND HAND LOTION. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed June 11 1945. Serial No. 484,393. PUBLISHED JANUARY 8, 1946. Class 6.

423,714. NON-PILE PIECE GOODS FABRICATED FROM MIXTURES OF RAYON AND FUR, AND RAYON, FUR, AND WOOL. UNIQUE FIBERS, INC., New York, N. Y.
Filed June 22, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 484,919. PUBLISHED MAY 28, 1946. Class 42.

423,715. U. S. P. MEDICINAL WHITE MINERAL OIL. L. SONNEBORN SONS, INC., New York, N. Y.
Filed June 28, 1945. Serial No. 485,163. PUBLISHED DECEMBER 4, 1945. Class 6.

423,716. U. S. P. LIGHT MEDICINAL WHITE MINERAL OIL. L. SONNEBORN SONS, INC., New York, N. Y.
Filed June 28, 1945. Serial No. 485,170. PUBLISHED DECEMBER 4, 1945. Class 6.

423,717. LIPSTICK. RICHARD HUDNUT, New York, N. Y.
Filed June 29, 1945. Serial No. 485,219. PUBLISHED OCTOBER 30, 1945. Class 6.

423,718. INSTRUCTION BOOKS. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J.
Filed June 30, 1945. Serial No. 485,297. PUBLISHED JUNE 4, 1946. Class 38.

423,719. MULTIVITAMIN PREPARATIONS FOR USE IN VETERINARY MEDICINE. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed July 12, 1945. Serial No. 485,740. PUBLISHED NOVEMBER 6, 1945. Class 6.

423,720. GREETING CARDS. REPRODUCTA, INC., New York, N. Y.
Filed July 18, 1945. Serial No. 485,964. PUBLISHED JUNE 4, 1946. Class 38.

423,721. GELATIN CAPSULES CONTAINING PERFUMED OILS TO BE DISPERSED IN THE BATH. SCHRATZ PRODUCTS, Detroit, Mich.
Filed July 20, 1945. Serial No. 486,070. PUBLISHED JUNE 11, 1946. Class 6.

423,722. FRESH FROZEN DECIDUOUS FRUITS AND VEGETABLES. FRESH FROZEN FOODS, Watsonville, Calif.
Filed July 23, 1945. Serial No. 486,147. PUBLISHED JUNE 18, 1946. Class 46.

423,723. FACE LOTION, COLOGNE, HAIR TONIC, TALCUM POWDER, AND DEODORANT. HICKOK MANUFACTURING COMPANY, Rochester, N. Y.
Filed July 24, 1945. Serial No. 486,201. PUBLISHED JUNE 18, 1946. Class 6.

423,724. PHOTOGRAPHS. JACK N' JILL, San Diego, Calif.
Filed July 24, 1945. Serial No. 486,205. PUBLISHED JUNE 18, 1946. Class 38.

423,725. ROUGE, FACE POWDER, PERFUME, TOILET WATER, SACHET IN PERFUMED CONTAINERS, BATH POWDER, BATH SALTS, COLOGNE, ETC. LEONARD FRIEDBERG, New York, N. Y.
Filed July 28, 1945. Serial No. 486,407. PUBLISHED DECEMBER 25, 1945. Class 6.

423,726. MEDICINAL PREPARATION FOR THE TREATMENT OF VITAMIN DEFICIENCIES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed July 28, 1945. Serial No. 486,441. PUBLISHED NOVEMBER 27, 1945. Class 6.

423,727. COMPOUND FOR USE IN THE BREWING OF BEERS AND ALES FOR INCREASING EXTRACT YIELDS; FOR SHORTENING THE CONVERSION PERIODS; FOR PREVENTING STARCH AND PROTEIN TURBIDITIES; FOR REDUCING CHILL-PROOFING CONSUMPTION; FOR INCREASING THE SHELF-LIFE OF BREWS; AND FOR RENDERING THE FINISHED BEERS AND ALES CLEAR AND BRILLIANT. BREWERS SCIENTIFIC LABORATORIES, Rahway, N. J.
Filed August 3, 1945. Serial No. 486,655. PUBLISHED OCTOBER 30, 1945. Class 48.

423,728. CHEMICAL COMPOSITION USED IN THE ERADICATION OF FINISHED DIAZOTYPE POSITIVE PRINTS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed August 14, 1945. Serial No. 487,128. PUBLISHED JUNE 18, 1946. Class 6.

423,729. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS USED IN MAKING THE SAME. ROBERT S. MANSUR, Pasadena, Calif.
Filed August 14, 1945. Serial No. 487,138. PUBLISHED JUNE 18, 1946. Class 45.

423,730. FINGER-RINGS, PRECIOUS STONES FOR ORNAMENTAL PURPOSES AND MOUNTINGS THEREFOR. WALDRON & COMPANY, INC., Philadelphia, Pa.
Filed August 14, 1945. Serial No. 487,152. PUBLISHED JUNE 11, 1946. Class 28.

423,731. CHEMICAL COMPOSITION FOR REMOVING RUST SCALE AND TARNISH FROM METALS. WAVERLY PETROLEUM PRODUCTS COMPANY, Philadelphia, Pa.
Filed August 31, 1945. Serial No. 487,878. PUBLISHED JUNE 4, 1946. Class 6.

423,732. WATCHES. MORRIS WEISBROD, doing business as M. Weisbrod, New York, N. Y.
Filed August 31, 1945. Serial No. 487,879. PUBLISHED JANUARY 1, 1946. Class 27.

423,733. FRUIT CAKE. LADY VAL CAKE COMPANY, Birmingham, Ala.
Filed September 1, 1945. Serial No. 487,908. PUBLISHED JUNE 18, 1946. Class 46.

423,734. MEN'S AND BOYS' SWEATERS, SPORT SHIRTS, HOSE, KNITTED SCARFS, AND FABRIC GLOVES, ALL MADE OF A PREPONDERANT PORTION OF ALPACA. WOLFF SHIRT COMPANY, New York, N. Y.
Filed September 1, 1945. Serial No. 487,926. PUBLISHED JUNE 18, 1946. Class 39.

423,735. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING SAME. SAMUEL ROSS DANIAL, Syracuse, N. Y.
Filed September 7, 1945. Serial No. 488,081. PUBLISHED JUNE 4, 1946. Class 45.

423,736. HIGHLY REFINED GAS USED IN THE INDUSTRIAL ARTS. ACETOGEN ASSOCIATES, INC., Detroit, Mich.
Filed September 14, 1945. Serial No. 488,438. PUBLISHED FEBRUARY 12, 1946. Class 6.

423,737. DAIRY FEED. CLARK O. BATSON, Perkinston, Miss.
Filed September 20, 1945. Serial No. 488,730. PUBLISHED JUNE 18, 1946. Class 46.

423,738. DENTIFRICES IN POWDER AND PASTE FORM. SOCIÉTÉ "COUPÈS", SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Paris, France.
Filed September 21, 1945. Serial No. 488,836. PUBLISHED JUNE 4, 1946. Class 6.

423,739. LEATHER GLOVES. HANSEN GLOVE CORPORATION, Milwaukee, Wis.
Filed September 24, 1945. Serial No. 488,901. PUBLISHED JUNE 18, 1946. Class 39.

423,740. COMPACTS, CIGARETTE CASES AND LIGHTERS, MADE WHOLLY OR PARTLY OF PRECIOUS OR SEMI-PRECIOUS MATERIALS. LOUIS L. SILVERMAN, doing business as Lewis & Company, Providence, R. I.
Filed September 24, 1945. Serial No. 488,936. PUBLISHED JUNE 11, 1946. Class 28.

423,741. PAPER PRODUCTS—NAMELY, TOILET TISSUE, TOWELS, NAPKINS, AND FACIAL TISSUE. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed September 24, 1945. Serial No. 488,944. PUBLISHED MAY 14, 1946. Class 37.

423,742. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, ETC. COTY, INC., New York, N. Y.
Filed September 26, 1945. Serial No. 488,993. PUBLISHED JUNE 11, 1946. Class 6.

423,743. DEODORANTS. HOUSE OF WESTMORE, INC., New York, N. Y.
Filed September 26, 1945. Serial No. 488,999. PUBLISHED JUNE 18, 1946. Class 6.

423,744. WOMEN'S AND CHILDREN'S BATHING SUITS, CAPS, DRESSES, SUITS, POLO SHIRTS, BLOUSES, CAPES, PLAYSUITS, ETC. S. AUGSTEIN & Co., New York and College Point, N. Y., assignor to S. Augstein & Company, Inc., College Point, N. Y., a corporation of New York.
Filed October 1, 1945. Serial No. 489,195. PUBLISHED JUNE 18, 1946. Class 39.

423,745. PERIODICAL—NAMELY, A MONTHLY MAGAZINE WHICH IN PART INCLUDES ARTICLES, INFORMATION, ETC. THE CURTISS PUBLISHING COMPANY, Philadelphia, Pa.
Filed October 1, 1945. Serial No. 489,209. PUBLISHED JUNE 11, 1946. Class 38.

423,746. FOOD CONFECTION COMPOSED OF MALTED MILK WITH CHOCOLATE, COCOA, AND OTHER FLAVORING, IN LOZENGE OR TABLET FORM. HORLICK'S MALTED MILK CORPORATION, Racine, Wis.
Filed October 1, 1945. Serial No. 489,218. PUBLISHED MAY 7, 1946. Class 46.

423,747. LAMINATED PAPER CLOSURES FOR MILK BOTTLES AND THE LIKE. STANDARD CAP AND SEAL CORPORATION, Chicago, Ill.
Filed October 2, 1945. Serial No. 489,291. PUBLISHED JUNE 11, 1946. Class 50.

423,748. FLAVORING PREPARATIONS FOR MAKING SODA FOUNTAIN BEVERAGES. J. P. TRUAX INC., Rochester, N. Y.
Filed October 3, 1945. Serial No. 489,371. PUBLISHED JUNE 18, 1946. Class 45.

423,749. CLOCKS. JANES OLD COLONY-MIDDLEBURY CLOCK, TRUST, Beardstown, Ill.
Filed October 5, 1945. Serial No. 489,464. PUBLISHED JUNE 11, 1946. Class 27.

423,750. ELECTRIC TRANSFORMERS, CHOKES, AND REACTORS FOR USE AS COMPONENTS IN ELECTRONIC APPARATUS AND WIRED ASSEMBLIES INCLUDING SUCH COMPONENTS. ELECTRAN MANUFACTURING COMPANY, Chicago, Ill., assignor to Electran Manufacturing Company, Chicago, Ill., a corporation of Illinois.
Filed October 6, 1945. Serial No. 489,505. PUBLISHED JUNE 11, 1946. Class 21.

423,751. PREPARATIONS FOR USE IN TREATMENT OF WATER AND STEAM FOR THE PURPOSE OF PREVENTING CORROSION. ELGIN SOFTENER CORPORATION, Elgin, Ill.
Filed October 6, 1945. Serial No. 489,506. PUBLISHED JUNE 18, 1946. Class 6.

423,752. PUBLICATION ISSUED PERIODICALLY OF INTEREST TO THE RETAIL MERCHANT. PUBLISHERS DIGEST, Chicago, Ill.
Filed October 6, 1945. Serial No. 489,530. PUBLISHED MAY 28, 1946. Class 38.

423,753. WHISKY AND BRANDY. BERNHEIM DISTILLING COMPANY, Louisville, Ky.
Filed October 11, 1945. Serial No. 489,789. PUBLISHED JUNE 11, 1946. Class 49.

423,754. SECTION OF A WEEKLY NEWS MAGAZINE IN THE NATURE OF A TRADE MAGAZINE, SAID SECTION CONTAINING BRIEF NEWS ITEMS AND COMMENTS ON RADIO BROADCASTING AND TELEVISION AND MATTERS RELATED THERETO. BROADCASTING PUBLICATIONS, INC., Washington, D. C.
Filed October 17, 1945. Serial No. 490,058. PUBLISHED JUNE 18, 1946. Class 38.

423,755. ADDITIVE FOR PICKLING BATHS FOR THE CONTROL OF ACID MIST OR SPRAY AND AS AN INHIBITOR AGAINST THE ATTACK OF CLEAN METAL BY ACID. WAVERLY PETROLEUM PRODUCTS COMPANY, Philadelphia, Pa.
Filed October 17, 1945. Serial No. 490,092. PUBLISHED JUNE 18, 1946. Class 6.

423,756. WOMEN'S GIRDLES. MARTIN HENKIN, doing business as Ladi Lastics, New York, N. Y.
Filed October 20, 1945. Serial No. 490,244. PUBLISHED JUNE 18, 1946. Class 39.

423,757. WOMEN'S GIRDLES. MARTIN HENKIN, doing business as Ladi Lastics, New York, N. Y.
Filed October 20, 1945. Serial No. 490,245. PUBLISHED JUNE 18, 1946. Class 39.

423,758. LITHOGRAPHING GRAINING MACHINES. EDWARD A. CASSON, doing business as Casson Graining Machine Company, Washington, D. C.
Filed October 22, 1945. Serial No. 490,284. PUBLISHED JUNE 11 1946. Class 23.

423,759. WHEELS, LANDING GEAR, AND OTHER PARTS FOR MODEL AIRPLANES. DANIEL E. DAVIS, doing business as Davis Aircraft Engineering Co., Lexington, Mass.
Filed October 22, 1945. Serial No. 490,296. PUBLISHED JUNE 11, 1946. Class 50.

423,760. LAUNDRY STARCH. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed October 22, 1945. Serial No. 490,339. PUBLISHED JUNE 4, 1946. Class 6.

423,761. LADIES' AND GIRLS' HATS. HARRIET NOVELTY CO., INC., New York, N. Y.
Filed October 24, 1945. Serial No. 490,432. PUBLISHED JUNE 18, 1946. Class 39.

423,762. HYDROGENATION CATALYSTS FOR HYDROGENATION OF EDIBLE OILS. E. F. DREW & Co., INC., New York, N. Y.
Filed October 30, 1945. Serial No. 490,749. PUBLISHED JUNE 11, 1946. Class 6.

423,763. CHEMICAL MATERIALS AND COMPOSITIONS FOR THE TREATMENT OF ZINC AND CADMIUM COATED ARTICLES TO IMPROVE THEIR APPEARANCE AND INCREASE RESISTANCE TO CORROSION. POOR & COMPANY, Chicago, Ill.
Filed October 30, 1945. Serial No. 490,766. PUBLISHED JUNE 18, 1946. Class 6.

423,764. PERFUMES, TOILET WATERS, EAU DE COLOGNES, FACE CREAMS AND LOTIONS, HAND CREAMS AND LOTIONS, ETC. GOLDEN ARROW TOILETRIES, New York, N. Y.
Filed October 31, 1945. Serial No. 490,815. PUBLISHED JUNE 11, 1946. Class 6.

423,765. SEMI-MONTHLY PERIODICAL OF INTEREST TO DOG FANCIERS. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed October 31, 1945. Serial No. 490,855. PUBLISHED JUNE 18, 1946. Class 38.

423,766. COUGH SYRUP, CHEST RUB, LAXATIVE, MOUTH WASH, HAND LOTION, AND DEODORANT. THE PINEX Co., Fort Wayne, Ind.
Filed November 3, 1945. Serial No. 491,028. PUBLISHED JUNE 18, 1946. Class 6.

423,767. HOUSE-ORGAN MAGAZINE. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed November 5, 1945. Serial No. 491,051. PUBLISHED JUNE 11, 1946. Class 38.

423,768. PERIODICAL PUBLICATION FOR EDUCATORS. E. M. HALE AND COMPANY, Eau Claire, Wis.
Filed November 7, 1945. Serial No. 491,202. PUBLISHED JUNE 11, 1946. Class 38.

423,769. LIPSTICK, ROUGE, FACE POWDER, HAIR COLOR RESTORATIVE, PERFUME, AND TOILET WATER. IMPRESSION PRODUCTS, Chicago, Ill., assignor to Impression Products, Inc., Chicago, Ill., a corporation of Illinois.
Filed November 7, 1945. Serial No. 491,204. PUBLISHED JUNE 11, 1946. Class 6.

423,770. LUMINESCENT CHEMICALS COMPRISING INORGANIC COMPOUNDS WHICH WILL FLUORESCE, PHOSPHORESCE, OR BOTH. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed November 8, 1945. Serial No. 491,244. PUBLISHED JUNE 11, 1946. Class 6.

423,771. CARBON DIOXIDE. THE LIQUID CARBONIC CORPORATION, Chicago, Ill.
Filed November 9, 1945. Serial No. 491,346. PUBLISHED JUNE 11, 1946. Class 6.

423,772. ENZYMIC DIGEST OF PROTEIN. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed November 10, 1945. Serial No. 491,421. PUBLISHED JUNE 11, 1946. Class 6.

423,773. LIQUID CHEMICAL PREPARATION FOR WOOD PRESERVATIVE, FIRE RETARDANT, TERMITE REPELLENT, DAMP ROT AND DRY ROT PREVENTATIVE, AND MILDEW PREVENTATIVE. RAYMOND G. LAMOUREUX, Inglewood, Calif.
Filed November 13, 1945. Serial No. 491,485. PUBLISHED JUNE 18, 1946. Class 6.

423,774. PUBLICATIONS ISSUED AT IRREGULAR INTERVALS AND DIRECTED TO PROMOTING PERSONAL, CIVIC, AND LEGISLATIVE ACTIVITIES FOR THE PROTECTION OF CHILDREN, ETC. MISSOURI WELFARE LEAGUE, St. Louis, Mo.
Filed November 13, 1945. Serial No. 491,491. PUBLISHED JUNE 11, 1946. Class 38.

423,775. LEATHER, COTTON, AND LEATHER AND COTTON WORK GLOVES. THE NATIONAL GLOVE COMPANY, Columbus, Ohio.
Filed November 13, 1945. Serial No. 491,496. PUBLISHED JUNE 18, 1946. Class 39.

423,776. SODIUM CHLORIDE, PHOTOGRAPHIC FIXING BATHS AND FIXING BATH REPLENISHERS, PHOTOGRAPHIC WASHOFF BATHS, PHOTOGRAPHIC DEVELOPERS, AND PRINTING SOLUTIONS. POLAROID CORPORATION, Cambridge, Mass.
Filed November 13, 1945. Serial No. 491,502. PUBLISHED JUNE 18, 1946. Class 6.

423,777. PHOTOGRAPHIC PORTRAITS. JOHN E. REED, doing business as Susan's, Los Angeles, Calif.
Filed November 13, 1945. Serial No. 491,509. PUBLISHED JUNE 11, 1946. Class 38.

423,778. PHOTOGRAPHIC PORTRAITS. JOHN E. REED, doing business as Susan's Baby Studios, Los Angeles, Calif.
Filed November 13, 1945. Serial No. 491,510. PUBLISHED JUNE 11, 1946. Class 38.

423,779. PHOTOGRAPHIC PORTRAITS. JOHN E. REED, doing business as Susan's of Hollywood, Los Angeles, Calif.
Filed November 13, 1945. Serial No. 491,511. PUBLISHED JUNE 11, 1946. Class 38.

423,780. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, ETC. COTY, INC., New York, N. Y.
Filed November 14, 1945. Serial No. 491,551. PUBLISHED JUNE 11, 1946. Class 6.

423,781. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, ETC. COTY, INC., New York, N. Y.
Filed November 14, 1945. Serial No. 491,553. PUBLISHED JUNE 11, 1946. Class 6.

423,782. INSECTICIDES. I. LOWER, doing business as Lower's Pharmacy, Marion, Ohio.
Filed November 16, 1945. Serial No. 491,720. PUBLISHED JUNE 14, 1946. Class 6.

423,783. PRINTED GIFT SEALS AND PRINTED ENCLOSURE CARDS ADAPTED TO BE USED IN CONNECTION WITH GIFTS OR THE LIKE. CHICAGO PRINTED STRING COMPANY, Chicago, Ill.
Filed November 17, 1945. Serial No. 491,750. PUBLISHED JUNE 18, 1946. Class 38.

423,784. TABLETS CONTAINING CERTAIN DRUGS—NAMELY, ALUMINUM HYDROXIDE, BELLADONNA AND PHENOBARBITAL, USED AS AN ANTISPASMODIC, ETC. HAACK BROS. MANUFACTURING PHARMACISTS, INC., Portland, Oreg.
Filed November 19, 1945. Serial No. 491,828. PUBLISHED JUNE 4, 1946. Class 6.

423,785. MAGAZINE FOR CHILDREN ILLUSTRATED IN COLORS AND TELLING IN PICTURE FORM THE STORY OF RELIGIOUS HEROES. HEROES ALL COMPANY, Minneapolis, Minn.
Filed November 19, 1945. Serial No. 491,830. PUBLISHED JUNE 11, 1946. Class 38.

423,786. TRADE PUBLICATION ISSUED FROM TIME-TO-TIME. G. L. WENNERSTROM, doing business as Wennerstrom and Associates, Kansas City, Mo.
Filed November 19, 1945. Serial No. 491,904. PUBLISHED JUNE 11, 1946. Class 38.

423,787. PEARL NECKLACES, PEARL EARRINGS, PEARL BRACELETS, PEARLS FOR PERSONAL WEAR AND ADORNMENT NOT INCLUDING WATCHES. SOL E. WEINREICH, doing business as Weinreich Brothers Co., New York, N. Y.
Filed November 21, 1945. Serial No. 492,012. PUBLISHED JUNE 18, 1946. Class 28.

423,788. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK AND FACE CREAM. LANSELLE PARFUMEUR (S. A. R. L.), Paris, France.
Filed November 24, 1945. Serial No. 492,143. PUBLISHED JUNE 4, 1946. Class 6.

423,789. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK AND FACE CREAM. LANSELLE PARFUMEUR (S. A. R. L.), Paris, France.
Filed November 24, 1945. Serial No. 492,144. PUBLISHED JUNE 4, 1946. Class 6.

423,790. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK AND FACE CREAM. LANSELLE PARFUMEUR (S. A. R. L.), Paris, France.
Filed November 24, 1945. Serial No. 492,145. PUBLISHED JUNE 18, 1946. Class 6.

423,791. PHARMACEUTICAL PREPARATION COMPRISING THIAMIN CHLORIDE AND SULFADIAZINE FOR USE AS A MEDICINE WHEREVER SULFADIAZINE THERAPY IS INDICATED BY A PHYSICIAN. VITAMIX CORPORATION. Brooklyn, N. Y.
Filed November 27, 1945. Serial No. 492,297. PUBLISHED JUNE 11, 1946. Class 6.

423,792. HUMOROUS CARTOON MAGAZINE PUBLISHED PERIODICALLY. HARVEY FEATURES SYNDICATE, New York, N. Y.
Filed November 28, 1945. Serial No. 492,321. PUBLISHED JUNE 11, 1946. Class 38.

423,793. HAIR RINSE. CHARLES V. HORVATH, doing business as Charles V. Horvath Company and The Sparkle Sheen Company, South Bend, Ind.
Filed November 29, 1945. Serial No. 492,379. PUBLISHED JUNE 11, 1946. Class 6.

423,794. ILLUSTRATED MAGAZINE RELATING TO BEAUTIFUL WOMEN, ESPECIALLY MODELS, MOVING PICTURE STARS, ACTRESSES, AND ARTISTS, AT PRESENT PUBLISHED QUARTERLY. ARTSPUR PUBLICATIONS, INC., New York, N. Y.
Filed November 30, 1945. Serial No. 492,415. PUBLISHED JUNE 11, 1946. Class 38.

423,795. SOLVENTS AND PREPARATIONS ADAPTED FOR USE IN INTERNAL COMBUSTION ENGINES TO IMPROVE THEIR EFFICIENCY AND AS A SOLVENT FOR GREASE AND AS A CLEANER. FRED JOHN FANDREI, doing business as Sea Foam Products Company, Munster, Ind.
Filed December 5, 1945. Serial No. 492,700. PUBLISHED JUNE 4, 1946. Class 6.

423,796. PERIODICAL PUBLICATIONS. FARM IMPLEMENT NEWS COMPANY, Chicago, Ill.
Filed December 8, 1945. Serial No. 492,909. PUBLISHED JUNE 11, 1946. Class 38.

423,797. PERIODICAL PUBLICATIONS. FARM IMPLEMENT NEWS COMPANY, Chicago, Ill.
Filed December 8, 1945. Serial No. 492,910. PUBLISHED JUNE 11, 1946. Class 38.

423,798. ANTISEPTIC OINTMENT FOR ITCHING AND INFLAMED PILES, SCALDS, CHAFING, AND IRRITATIONS OF THE SKIN. EDWARD J. MOORE SONS, INC., doing business as Sanger & Co., Long Island City, N. Y.
Filed December 8, 1945. Serial No. 492,937. PUBLISHED JUNE 4, 1946. Class 6.

423,799. MONTHLY NEWS LETTERS. WARWICK MANUFACTURING CORPORATION, Chicago, Ill.
Filed December 8, 1945. Serial No. 492,976. PUBLISHED JUNE 11, 1946. Class 38.

423,800. FRESH VEGETABLES—NAMELY, TOMATOES. GOLDEN WEST ESTATES, INC., Santa Barbara, Calif.
Filed December 10, 1945. Serial No. 493,004. PUBLISHED JUNE 11, 1946. Class 46.

423,801. EXTENSIBLE ELECTRICAL CORDS. KELLOGG SWITCHBOARD AND SUPPLY COMPANY, Chicago, Ill.
Filed December 10, 1945. Serial No. 493,015. PUBLISHED MAY 21 1946. Class 21.

423,802. MONTHLY PUBLICATION. TELECASTING PUBLICATIONS INC., New York, N. Y.
Filed December 11, 1945. Serial No. 493,081. PUBLISHED JUNE 11, 1946. Class 38.

423,803. LIQUID INSECTICIDE. YORK PHARMACAL COMPANY, St. Louis, Mo.
Filed December 11, 1945. Serial No. 493,093. PUBLISHED JUNE 4, 1946. Class 6.

423,804. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed December 13, 1945. Serial No. 493,200. PUBLISHED JUNE 11, 1946. Class 6.

423,805. LINIMENT AND SALVE FOR THE TREATMENT OF SOFT BUNCHES, INFLAMMATION AND SWELLING, SPRAINS, ETC. MILDRED G. TOLMAN, doing business as Tolman Laboratories, Springfield, Mass.
Filed December 13, 1945. Serial No. 493,228. PUBLISHED JUNE 18, 1946. Class 6.

423,806. SLEEP MASKS. WATCHEMOKET OPTICAL CO. INC., Providence, R. I.
Filed December 13, 1945. Serial No. 493,233. PUBLISHED JUNE 18, 1946. Class 39.

423,807. FRESH VEGETABLES—NAMELY, TOMATOES. SHRODE-NELSON PRODUCE CO., Goleta, Calif.
Filed December 14, 1945. Serial No. 493,292. PUBLISHED JUNE 11, 1946. Class 46.

423,808. PERIODICAL. AMERICAN INTERNATIONAL PUBLICATIONS, INC., New York, N. Y.
Filed December 15, 1945. Serial No. 493,310. PUBLISHED JUNE 11, 1946. Class 38.

423,809. PRUNE CAKE FILLING. MAX AMS, INC., New York, N. Y.
Filed December 15, 1945. Serial No. 493,311. PUBLISHED JUNE 11, 1946. Class 46.

423,810. EAR DROPS. DOHO CHEMICAL CORPORATION, New York, N. Y.
Filed December 15, 1945. Serial No. 493,331. PUBLISHED JUNE 11, 1946. Class 6.

423,811. MAGAZINE. MILTON PUBLISHING CO., INC., Cambridge, Mass.
Filed December 15, 1945. Serial No. 493,381. PUBLISHED JUNE 11, 1946. Class 38.

423,812. SWIMMING SUITS, TRUNKS, SWEATERS, JERSEYS, HOSIERY, SCARVES, GARMENT BELTS; GLOVES AND MITTENS OF LEATHER AND FABRIC, ETC. JANTZEN KNITTING MILLS, Portland, Oreg.
Filed December 18, 1945. Serial No. 493,491. PUBLISHED JUNE 11, 1946. Class 39.

423,813. PUBLICATION PUBLISHED MONTHLY FOR GRATUITOUS DISTRIBUTION TO THE BREWING TRADE. AMERICAN TANSUL COMPANY, San Francisco, Calif.
Filed December 22, 1945. Serial No. 493,719. PUBLISHED JUNE 11, 1946. Class 38.

423,814. FRESH VEGETABLES—NAMELY, LETTUCE. DEVEREUX PACKING COMPANY, Salinas, Calif.
Filed December 22, 1945. Serial No. 493,746. PUBLISHED JUNE 18, 1946. Class 46.

423,815. PERIODICAL PUBLICATION. NEGRO DIGEST PUBLISHING CO., INC., Chicago, Ill.
Filed December 22, 1945. Serial No. 493,806. PUBLISHED JUNE 11, 1946. Class 38.

423,816. PREPARATION FOR THE TREATMENT OF COUGHS DUE TO COLDS, BRONCHIAL IRRITATIONS, AND CATARRHAL CONDITIONS AND IRRITATIONS OF THE THROAT. CASIMER A. LESIAK, doing business as The Lexino Co., Scranton, Pa.
Filed December 27, 1945. Serial No. 493,926. PUBLISHED JUNE 4 1946. Class 6.

423,817. EXTERMINATOR FOR RATS AND MICE. EDWARD J. LIZOTTE, Liberty, N. Y.
Filed December 27, 1945. Serial No. 493,927. PUBLISHED JUNE 18, 1946. Class 6.

423,818. PERAMBULATORS. EDWIN W. GROVE, III, doing business as Gromanco, St. Louis, Mo., assignor to Grove Manufacturing Company, Inc., St. Louis, Mo., a corporation of Missouri.
Filed December 28, 1945. Serial No. 493,953. PUBLISHED JUNE 11, 1946. Class 19.

423,819. IMITATION PEARL NECKLACES, EARRINGS, AND BRACELETS. LAY & BORGES, New York, N. Y.
Filed December 29, 1945. Serial No. 494,083. PUBLISHED JUNE 11, 1946. Class 28.

423,820. WATCHES, WATCH PARTS, AND WATCH MOVEMENTS. MEYER & STUDELI, S. A., Soleure, Switzerland.
Filed December 29, 1945. Serial No. 494,098. PUBLISHED JUNE 18, 1946. Class 27.

423,821. WATCHES, WATCH PARTS, AND WATCH MOVEMENTS. MEYER & STUDELI, S. A., Soleure, Switzerland.
Filed December 29, 1945. Serial No. 494,099. PUBLISHED JUNE 11, 1946. Class 27.

423,822. WINE. STOLLENWERK WINERY, INC., Egg Harbor City, N. J.
Filed December 29, 1945. Serial No. 494,138. PUBLISHED JUNE 4, 1946. Class 47.

423,823. COLD TABLETS. JOHN FRENCH SIMPSON, doing business as French Chemical Company, Washington, D. C.
Filed January 3, 1946. Serial No. 494,241. PUBLISHED JUNE 11, 1946. Class 6.

423,824. MEDICINAL PREPARATION USED FOR PREPARING WATER-IN-OIL EMULSIONS OF PENICILLIN AND OTHER DRUGS. ENDO PRODUCTS INC., New York, N. Y.
Filed January 5, 1946. Serial No. 494,316, PUBLISHED JUNE 11, 1946. Class 6.

423,825. FRESH VEGETABLES AND MELONS. L. STANLEY EDWARDS, Las Cruces, N. Mex.
Filed January 8, 1946. Serial No. 494,430. PUBLISHED JUNE 18, 1946. Class 46.

423,826. SALVE FOR RELIEF OF ITCHING AND BURNING OF POISON IVY, ATHLETE'S FOOT, AND OTHER MINOR SKIN DISORDERS. F. C. EVANS, San Antonio, Tex.
Filed January 8, 1946. Serial No. 494,437. PUBLISHED JUNE 11, 1946. Class 6.

423,827. PERFUMES AND TOILET WATERS. PARFUM L'ORLE, INC., New York, N. Y.
Filed January 9, 1946. Serial No. 494,516. PUBLISHED JUNE 11, 1946. Class 6.

423,828. PERFUMES AND TOILET WATERS. PARFUM L'ORLE, INC., New York, N. Y.
Filed January 9, 1946. Serial No. 494,517. PUBLISHED JUNE 11, 1946. Class 6.

423,829. PERFUMES AND TOILET WATERS. PARFUM L'ORLE, INC., New York, N. Y.
Filed January 9, 1946. Serial No. 494,519. PUBLISHED JUNE 11, 1946. Class 6.

423,830. FLUIDS USED AS A FLUID COUPLING FOR THE TRANSMISSION OF POWER IN MOTOR DRIVEN DEVICES, SAID FLUIDS HAVING A MINERAL OIL BASE. THE BELL COMPANY, INC., Chicago, Ill.
Filed January 10, 1946. Serial No. 494,538. PUBLISHED JUNE 11, 1946. Class 15.

423,831. CLOCKS. THE FLAMEFILM PRODUCTS CORPORATION, Chicago, Ill.
Filed January 10, 1946. Serial No. 494,552. PUBLISHED JUNE 18, 1946. Class 27.

423,832. CANDY. GREGOR CHOCOLATES, INC., New York, N. Y.
Filed January 10, 1946. Serial No. 494,556. PUBLISHED JUNE 18, 1946. Class 46.

423,833. ORNAMENTAL JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES. HENRY PETERSON, doing business as Feature Ring Co., New York, N. Y.
Filed January 11, 1946. Serial No. 494,628. PUBLISHED JUNE 18, 1946. Class 28.

423,834. COSTUME JEWELRY, COMPACTS, AND POWDER BOXES, ALL MADE IN WHOLE, OR IN PART, OF PRECIOUS METAL, OR PLATED WITH THE SAME. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed January 12, 1946. Serial No. 494,659. PUBLISHED JUNE 11, 1946. Class 28.

423,835. BUBBLE FORMING SOLUTION, COMPRISING A THICKENING AGENT, A SYNTHETIC DETERGENT, AND A HYDROSCOPIC AGENT. INDEPENDENCE LABORATORIES, INC., Charlotte, N. C.
Filed January 12, 1946. Serial No. 494,684. PUBLISHED JUNE 18, 1946. Class 6.

423,836. MEDICINAL PREPARATION ACTING AS AN ALKALIZER, CIRCULATORY STIMULANT, ANTACID, AND CORRECTING VITAMIN B-1 DEFICIENCY. VITAL FOODS CORPORATION, Evanston, Ill.
Filed January 12, 1946. Serial No. 494,727. PUBLISHED JUNE 11, 1946. Class 6.

423,837. ANALGESIC OINTMENTS FOR THE RELIEF OF LOCAL CONGESTION. THE SMITH-DORSEY COMPANY, Lincoln, Nebr.
Filed January 16, 1946. Serial No. 494,870. PUBLISHED JUNE 18, 1946. Class 6.

423,838. ART WARE—NAMELY, FIGURINES. CORDELIA CHINA COMPANY, Dalton, Ohio.
Filed January 17, 1946. Serial No. 494,890. PUBLISHED JUNE 11, 1946. Class 50.

423,839. INSECTICIDE IN COMPOSITION FORM. THE GRIFFITH LABORATORIES, INC., doing business as The Griffith Laboratories, Chicago, Ill.
Filed January 17, 1946. Serial No. 494,904. PUBLISHED JUNE 11, 1946. Class 6.

423,840. MILK OF MAGNESIA TABLETS. AFFILIATED RETAILERS, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 494,995. PUBLISHED JUNE 18, 1946. Class 6.

423,841. AFTER-SHAVE LOTION. AFFILIATED RETAILERS, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 494,997. PUBLISHED JUNE 18, 1946. Class 6.

423,842. PROTEIN HYDROLYSATE CONTAINING THE ESSENTIAL AMINO-ACIDS AND OTHER SUBSTANCES DERIVED FROM PROTEIN, ETC. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,008. PUBLISHED JUNE 11, 1946. Class 6.

423,843. TOILET PREPARATIONS, PERFUMERY, AND COSMETICS—NAMELY, PERFUME, TOILET WATERS, LIPSTICKS, FACE POWDER, TOILET CREAMS, AND ROUGE. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,045. PUBLISHED JUNE 18, 1946. Class 6.

423,844. LEAD OXIDES, MIXTURES OF LEAD OXIDES AND METALLIC LEAD WITH OR WITHOUT ADMIXTURE OF EXPANDERS FOR USE IN THE MANUFACTURE OF STORAGE BATTERIES. NATIONAL LEAD COMPANY, New York, N. Y.
Filed January 19, 1946. Serial No. 495,087. PUBLISHED JUNE 18, 1946. Class 6.

423,845. INSECT SPRAY. NATIONAL CHEMICAL & METAL COMPANY, also doing business as Carnegie Chemical Mfg. Co., Los Angeles, Calif.
Filed January 21, 1946. Serial No. 495,148. PUBLISHED JUNE 18, 1946. Class 6.

423,846. INSECT SPRAY. NATIONAL CHEMICAL & METAL COMPANY, also doing business as Carnegie Chemical Mfg. Co., Los Angeles, Calif.
Filed January 21, 1946. Serial No. 495,149. PUBLISHED JUNE 18, 1946. Class 6.

423,947. ANTISEPTIC SUNTAN LOTION. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y.
Filed January 22, 1946. Serial No. 495,179. PUBLISHED JUNE 11, 1946. Class 6.

423,848. POTASSIUM SODIUM FERRICYANIDE AND SODIUM FERRICYANIDE FOR USE IN THE COATING OF BLUEPRINT PAPER, ETC. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine.
Filed January 24, 1946. Serial No. 495,265. PUBLISHED JUNE 18, 1946. Class 6.

423,849. WRIST WATCH BANDS. TRAIL METAL PRODUCTS CO., INC., Miami, Fla.
Filed January 25, 1946. Serial No. 495,424. PUBLISHED JUNE 11, 1946. Class 28.

423,850. WRIST WATCH BANDS. TRAIL METAL PRODUCTS CO., INC., Miami, Fla.
Filed January 25, 1946. Serial No. 495,426. PUBLISHED JUNE 11, 1946. Class 28.

423,851. MENTHOL STICK FOR EXTERNAL TREATMENT OF SIMPLE HEADACHES, TOOTHACHES, MUSCULAR PAINS, ETC. OTTO MARTENS, doing business as O. M. Sales Co., Chicago, Ill.
Filed January 30, 1946. Serial No. 495,678. PUBLISHED JUNE 18, 1946. Class 6.

423,852. FACE POWDER, FACE MAKEUP IN LIQUID FORM, CREAMS FOR THE HANDS AND FACE, SHAMPOOS, HAND LOTIONS, LIPSTICKS, NAIL LACQUERS, AND PERFUME. ASSOCIATED PRODUCTS, INC., Chicago, Ill.
Filed January 31, 1946. Serial No. 495,716. PUBLISHED JUNE 18, 1946. Class 6.

423,853. COLOGNE AND DUSTING POWDER. CHARLES OF THE RITZ, INC., New York, N. Y.
Filed February 1, 1946. Serial No. 495,789. PUBLISHED JUNE 11, 1946. Class 6.

423,854. WATCHES AND WATCH CASES. LIEMA WATCH AGENCY, INC., New York, N. Y.
Filed February 2, 1946. Serial No. 495,896. PUBLISHED JUNE 18, 1946. Class 27.

423,855. PREPARATION FOR EXTERNAL APPLICATION ON THE SKIN, BEING IN THE NATURE OF A BEAUTY AID AND SKIN CONDITIONING MEDIUM. ELA GRAY MERGENTHALER, also doing business as Ela Gray and Ro-Sae-La, Manhattan Beach, Calif.
Filed February 2, 1946. Serial No. 495,902. PUBLISHED JUNE 4, 1946. Class 6.

423,856. EYE DROPS. WHITEHALL PHARMACAL COMPANY, New York, N. Y.
Filed February 5, 1946. Serial No. 496,055. PUBLISHED JUNE 11, 1946. Class 6.

423,857. RYE YEAST. CRYNS PRODUCTS, INC., Chicago, Ill.
Filed February 8, 1946. Serial No. 496,207. PUBLISHED JUNE 11, 1946. Class 46.

423,858. SEDATIVE. R. J. MORAN CO., Boston, Mass.
Filed February 8, 1946. Serial No. 496,259. PUBLISHED JUNE 11, 1946. Class 6.

423,859. RADIATOR STOP LEAK COMPOUND, CHEMICAL RADIATOR CLEANER, CHEMICAL RADIATOR RUST RESISTOR, AND BRAKE FLUID. SUN OIL COMPANY, Philadelphia, Pa.
Filed February 9, 1946. Serial No. 496,347. PUBLISHED JUNE 4, 1946. Class 6.

423,860. MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed February 14, 1946. Serial No. 496,586. PUBLISHED JUNE 11, 1946. Class 6.

423,861. TOILET PREPARATIONS—NAMELY, HAIR POMADE. THE RABIN COMPANY, Los Angeles, Calif.
Filed February 19, 1946. Serial No. 496,923. PUBLISHED JUNE 4, 1946. Class 6.

423,862. FRESH VEGETABLES—NAMELY, TOMATOES. EMILIA L. OLIVER, doing business as E. L. Oliver, Nogales, Ariz.
Filed February 16, 1946. Serial No. 496,728. PUBLISHED JUNE 18, 1946. Class 46.

423,863. MEDICINAL PREPARATION COMPOSED OF VARIOUS AMINO ACIDS AND VITAMINS. VITAMINS & PHARMACEUTICALS, INC., Dover, Del.
Filed February 19, 1946. Serial No. 496,936. PUBLISHED JUNE 11, 1946. Class 6.

423,864. CHEMICAL COMPOUNDS FOR THE CLARIFICATION AND TREATMENT OF WATER. CHANNELL CHEMICAL COMPANY, Chicago, Ill.
Filed February 23, 1946. Serial No. 497,068. PUBLISHED JUNE 18, 1946. Class 6.

423,865. COSMETICS—NAMELY, TOILET WATER, LIPSTICK, ROUGE, FACE POWDER, AND DEODORANT. FAREL DESTIN, INC., New York, N. Y.
Filed February 23, 1946. Serial No. 497,075. PUBLISHED JUNE 4, 1946. Class 6.

423,866. INSECTICIDE REPELLENT. R. M. HOLLINGSHEAD CORPORATION, Camden, N. J.
Filed February 23, 1946. Serial No. 497,096. PUBLISHED JUNE 11, 1946. Class 6.

423,867. MEDICINAL PREPARATION FOR TREATMENT OF DISEASES DUE TO INSUFFICIENCY OF ESTROGENIC HORMONES. The UPJOHN COMPANY, Kalamazoo, Mich.
Filed February 23, 1946. Serial No. 497,145. PUBLISHED JUNE 18, 1946. Class 6.

423,868. MOTH SPRAY. NATIONAL CHEMICAL & METAL COMPANY, also doing business as Carnegie Chemical Mfg. Co., Los Angeles, Calif.
Filed February 25, 1946. Serial No. 497,187. PUBLISHED JUNE 18, 1946. Class 6.

423,869. VETERINARY FLEA AND LOUSE POWDER. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed March 1, 1946. Serial No. 497,485. PUBLISHED JUNE 4, 1946. Class 6.

423,870. PENICILLIN IN ORAL DOSAGE FORM. WYETH INCORPORATED, Philadelphia, Pa.
Filed March 1, 1946. Serial No. 497,519. PUBLISHED JUNE 4, 1946. Class 6.

423,871. MEDICINAL PREPARATION CONTAINING VITAMIN B-COMPLEX WITH AMINO ACID HYDROLYSATE AND ESTROGENIC HORMONE FOR USE IN MENOPAUSE AND DYSMENORRHEA. VITAMINS & PHARMACEUTICALS, INC., Dover, Del.
Filed March 2, 1946. Serial No. 497,585. PUBLISHED JUNE 11, 1946. Class 6.

423,872. AMMONIA AND LAUNDRY BLUING CRESCENT BOTTLING WORKS, Newark, N. J.
Filed March 7, 1946. Serial No. 497,782. PUBLISHED JUNE 18, 1946. Class 6.

423,873. FACE CREAM. FIRST LADY COMPANY, INC., Fort Worth, Tex.
Filed March 14, 1946. Serial No. 498,219. PUBLISHED JUNE 11, 1946. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

423,874. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FABRIQUE EBEL, SOCIETE ANONYME, La Chaux-de-Fonds, Switzerland. Filed May 14, 1943. Serial No. 460,612.

Ebel

FOR WATCHES.
Claims use since 1913.

423,875. (CLASS 19. VEHICLES.) SINKO TOOL & MANUFACTURING COMPANY, Chicago, Ill. Filed May 29, 1944. Serial No. 470,776.

Sinko

FOR AUTOMOTIVE SPECIALTIES—NAMELY, STEERING WHEEL KNOBS, GEAR SHIFT BALLS AND KNOBS, LICENSE HOLDERS, GAS TANK CAPS AND RADIATOR CAPS.
Claims use since October 1932.

423,876. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) SECURITY MANUFACTURING COMPANY, Kansas City, Mo. Filed June 8, 1944. Serial No. 471,053.

SECURITY QUICK THE S&P Line HEATER

FOR GAS FIRED WATER HEATERS.
Claims use since Apr. 26, 1944.

423,877. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MAGNUS BJORNDAL, doing business as Tech Laboratories, Jersey City, N. J. Filed Aug. 21, 1944. Serial No. 473,465.

DESIGN SERVICE TECH TL LAB QUALITY INTEGRITY CO OPERATION

FOR POTENTIOMETERS, VISCOSITY METERS, MOISTURE METERS, MEGOHM BRIDGES, MICROHMMETERS, WHEATSTONE BRIDGES, MICROVOLTERS, AND DIELECTRIC CONSTANT RECORDERS.
Claims use since June 1, 1944.

423,878. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MAGNUS BJORNDAL, doing business as Tech Laboratories, Jersey City, N. J. Filed Aug. 22, 1944. Serial No. 473,496.

TECH-LAB

FOR POTENTIOMETERS, VISCOSITY METERS, MOISTURE METERS, MEGOHM BRIDGES, MICROHMMETERS, WHEATSTONE BRIDGES, MICROVOLTERS, AND DIELECTRIC CONSTANT RECORDERS.
Claims use since October 1933.

423,879. (CLASS 32. FURNITURE AND UPHOLSTERY.) BOSTON LEATHER SPECIALTIES CO., Everett, Mass. Filed Nov. 7, 1944. Serial No. 476,192.

COVA TUFTED

FOR MATTRESSES.
Claims use since June 1, 1941.

423,880. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HECKTHORN MANUFACTURING & SUPPLY CO., Littleton, Colo. Filed Dec. 29, 1944. Serial No. 478,050.

FLEX-TIP

FOR FLEXIBLE, COMBINED NOZZLES AND VALVES FOR AIR AND WATER HOSES, THE VALVES BEING OPERABLE BY BENDING THE NOZZLES.
Claims use since Feb. 25, 1933.

423,881. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOCIEDAD INDUSTRIAL PESQUERA DE TARAPACA S. A., Santiago, Chile. Filed Jan. 4, 1945. Serial No. 478,258.

PRODUCTOS CAVANCHA IQUIQUE CHILE SOCIEDAD INDUSTRIAL PESQUERA DE TARAPACA

FOR CANNED FISH AND CANNED SHELLFISH.
Claims use since August 1941.

423,882. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACQUELINE COCHRAN, Roselle, N. J. Filed Mar. 10, 1945. Serial No. 480,739.

SUN 'N SNOW

FOR HAND AND FACE LOTIONS.
Claims use since Mar. 5, 1945.

423,883. (CLASS 37. PAPER AND STATIONERY.) WILSON K. CHAPMAN, Washington, D. C. Filed Apr. 10, 1945. Serial No. 481,943.

GRIPRITE

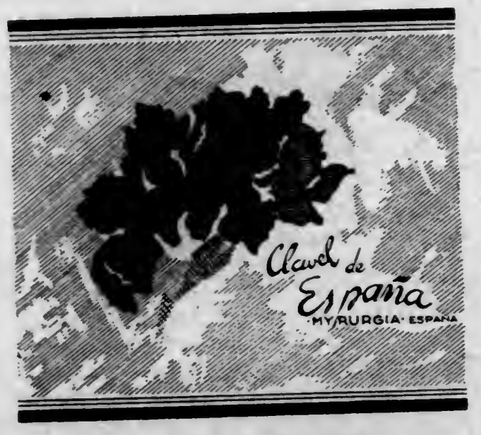
FOR WOOD ENCASED PENCILS.
Claims use since Nov. 29, 1944.

423,884. (CLASS 38. PRINTS AND PUBLICATIONS.) INDEPENDENT DIRECTORY CORP., Los Angeles, Calif., and New York, N. Y. Filed Apr. 25, 1945. Serial No. 482,580.

INTERSTATE INDUSTRIAL REGISTER

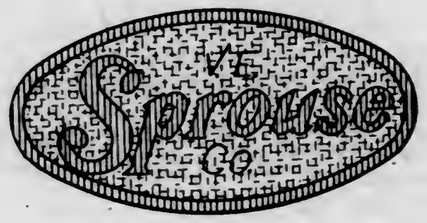
FOR AN INDUSTRIAL CLASSIFIED TELEPHONE DIRECTORY.
Claims use since Dec. 18, 1944.

423,885. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MYRURGIA, S. A., Barcelona, Spain. Filed May 1, 1945. Serial No. 482,849.



The drawing is lined for shading only.
FOR PERFUMES, TOILET CREAMS, EAU DE COLOGNE, FACE POWDER, FACE LOTIONS, ROUGES, NAIL POLISHES, DENTIFRICES, AND MASCARA.
Claims use since February 1936.

423,886. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) V. E. SPROUSE COMPANY, Columbus, Ind. Filed May 16, 1945. Serial No. 483,456.



The drawing is lined for the colors gold and red.
FOR AUTOMOTIVE HEATERS OF THE EXHAUST GAS HEAT EXCHANGE TYPE AND BLOWERS FOR STOKERS, AND FOR HEATING AND VENTILATING SYSTEMS.
Claims use since Jan. 1, 1943 on heaters; and since June 1, 1944 on blowers.

423,887. (CLASS 38. PRINTS AND PUBLICATIONS.) CLARK EQUIPMENT COMPANY, Battle Creek, Mich. Filed May 30, 1945. Serial No. 483,959.

Material Handling News

FOR A QUARTERLY TRADE PUBLICATION.
Claims use since May 8, 1945.

423,888. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BYCK BROS. & COMPANY, INCORPORATED, Louisville, Ky. Filed June 2, 1945. Serial No. 484,083.

Magnolia White

FOR PERFUME AND TOILET WATER.
Claims use since May 15, 1945.

423,889. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HALGREEN, INC., New York, N. Y. Filed June 27, 1945. Serial No. 485,083.

HALGREEN

FOR WATCHES AND PARTS THEREOF.
Claims use since May 31, 1945.

423,890. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARNOLD PALM, doing business as Palm Pharmacal Co., New York, N. Y. Filed July 2, 1945. Serial No. 485,362.

Thyrocholine

FOR THYROID-CHOLINE-THIAMINE PREPARATIONS FOR OBESITY.
Claims use since April 1945.

423,891. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM G. BARCROFT, doing business as Associated Engineering Laboratories, Boulder, Colo. Filed July 5, 1945. Serial No. 485,473.

SURE FIRE



FOR CHEMICALS FOR INCREASING THE EXPLOSIVE POWER OF MOTOR FUEL.
Claims use since April 1, 1945.

423,892. (CLASS 38. PRINTS AND PUBLICATIONS.) MAGNOLIA STATE PUBLISHING COMPANY, Jackson, Miss. Filed July 7, 1945. Serial No. 485,534.

STOCKMAN Mississippi FARMER

FOR A PERIODICAL PUBLISHED FROM TIME TO TIME.
Claims use since June 5, 1945.

423,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MACIA CORPORATION, Holyoke, Mass. Filed July 13, 1945. Serial No. 485,788.

MACIA

FOR LIQUID INHALANT FOR THE TREATMENT OF COLDS, HAY FEVER AND THE LIKE.
Claims use since June 16, 1945.

423,894. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MARSAC HANDBAG STUDIO, New York, N. Y. Filed July 14, 1945. Serial No. 485,821.

Marsac

★★★★

FOR LADIES' HANDBAGS.
Claims use since July 1940.

423,895. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EMERSON EUGENE HESS, Powell, Ohio. Filed Aug. 1, 1945. Serial No. 486,575.

ELECTROWEIGH

FOR WEIGHING SCALES AND BALANCE INDICATORS THEREFOR.
Claims use since June 1, 1945.

423,896. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BURKE & JAMES, INC., Chicago, Ill. Filed Aug. 2, 1945. Serial No. 486,606.

SOLER

FOR ELECTRIC FOOT SWITCHES.
Claims use since Jan. 5, 1945.

423,897. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE OHIO LEATHER COMPANY, Girard, Ohio. Filed Aug. 7, 1945. Serial No. 486,864.

BEIRA

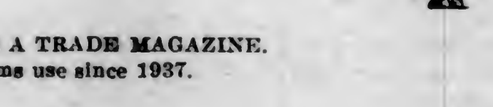
FOR LEATHER.
Claims use since July 20, 1945.

423,898. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOLEITH, INC., Chicago, Ill. Filed Sept. 1, 1945. Serial No. 487,898.

Gay Patton

FOR FACIAL CLEANSING CREAMS, TONE CREAM, NIGHT CREAM, THROAT CREAM, TONING LOTION, ASTRINGENT LOTION, CLEANSING LOTION, FACIAL CLEANSING MASK, SKIN OIL, HAND CREAM, HAND LOTION, DEODORANT CREAM, EYELID CREAM, FACE POWDER, DUSTING POWDER, POWDER-BASE EMULSION, POWDER LOTION, EYE BATH, EYE SHADOW, CREAM AND DRY ROUGE, LIPSTICK, PERFUMES, COLOGNES, SACHET, LEG MAKE-UP, AND SUN OIL.
Claims use since June 26, 1945.

423,899. (CLASS 7. CORDAGE.) THE THOMAS JACKSON & SON CO., Reading, Pa. Filed Oct. 3, 1945. Serial No. 489,330.



The trade-mark consists of the representation of two pieces of rope and a strand guide or separation element used in connection with the manufacture of rope by the old rope walk method.
FOR CORDAGE—NAMELY, ROPE AND TWINE MADE FROM JUTE FIBERS, AGAVE FIBERS, AND ABACA FIBERS.
Claims use since Jan. 3, 1945.

423,900. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID F. CLARKE, doing business as The Clarke Co., Lenoir, N. C. Filed Oct. 8, 1945. Serial No. 489,565.

CLARKE'S
TOE HEALER

FOR MEDICINAL PREPARATION FOR RELIEVING AND HEALING INGROWN TOE NAILS.
Claims use since Feb. 17, 1945.

423,901. (CLASS 38. PRINTS AND PUBLICATIONS.) FISHING GAZETTE PUBLISHING CORP., New York, N. Y. Filed Oct. 11, 1945. Serial No. 489,797.

Fishing Gazette

FOR A TRADE MAGAZINE.
Claims use since 1937.

423,902. (CLASS 45. BEVERAGES, NONALCOHOLIC.) RICHARDSON CORPORATION, Rochester, N. Y. Filed Oct. 22, 1945. Serial No. 490,328.

RICHie

FOR CONCENTRATED SODA FOUNTAIN SYRUP.
Claims use since May 18, 1945.

423,903. (CLASS 37. PAPER AND STATIONERY.) DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C. Filed Nov. 9, 1945. Serial No. 491,314.

BIRCH

FOR BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS.
Claims use since Dec. 31, 1932.

423,904. (CLASS 37. PAPER AND STATIONERY.) DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C. Filed Nov. 9, 1945. Serial No. 491,316.

SANDALWOOD

FOR BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS.
Claims use since Aug. 30, 1940.

423,905. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio, doing business as B. F. Goodrich Chemical Company, a division of The B. F. Goodrich Company, Cleveland, Ohio. Filed Nov. 14, 1945. Serial No. 491,564.

ERIE

FOR ORGANIC CHEMICAL MATERIAL TO BE INCORPORATED IN NATURAL RUBBER OR A SYNTHETIC RUBBER AS A VULCANIZATION ACCELERATOR.
Claims use since Nov. 2, 1942.

423,906. (CLASS 15. OILS AND GREASES.) THE BELL COMPANY, INC., Chicago, Ill. Filed Jan. 10, 1946. Serial No. 494,537.

LIQUIDRIVE

FOR FLUIDS USED AS A FLUID COUPLING FOR THE TRANSMISSION OF POWER IN MOTOR DRIVEN DEVICES, SAID FLUIDS HAVING A MINERAL OIL BASE.
Claims use since Jan. 8, 1943.

423,907. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIRDSALL & WILCOX, New Haven, Conn.

BIRDS-ALL

Filed Jan. 23, 1946. Serial No. 495,212.
FOR SAUCE FOR SPAGHETTI AND MEATS.
Claims use since Dec. 1, 1934.

423,908. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) VICTOR INSULATORS, INC., Victor, N. Y. Filed Feb. 11, 1946. Serial No. 496,414.

ONTARIO

FOR CHINA DINNERWARE.
Claims use since July 1944.

423,909. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) LAZARD KAPLAN & SONS, INC., New York, N. Y. Filed Feb. 16, 1946. Serial No. 496,715.

DOW

FOR DIAMONDS.
Claims use since October 1935.

423,910. (CLASS 12. CONSTRUCTION MATERIALS.) SOUTHERN STATES IRON ROOFING COMPANY, Savannah, Ga. Filed Mar. 22, 1946. Serial No. 498,808.

EVERWEAR

FOR ASPHALT ROOFING.
Claims use since January 1942.

TRADE-MARK REGISTRATIONS RENEWED

28,890. **"E & W" ETC. AND DESIGN.** COLLARS AND CUFFS. Registered Sept. 29, 1896. EARL & WILSON. Re-renewed Sept. 29, 1946, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York. Class 39.

28,905. **SHIELD-SHAPED DESIGN.** MALT EXTRACT AND MALT FOODS. Registered Sept. 29, 1896. ANHEUSER-BUSCH BREWING ASSOCIATION. Re-renewed Sept. 29, 1946, to Anheuser-Busch, Inc., St. Louis, Mo., a corporation of Missouri. Classes 46 and 48.

28,958. **"GARFIELD" AND PORTRAIT.** MEDICINE MADE MAINLY OF HERBS. Registered Oct. 6, 1896. EMMET DENSMORE AND HELEN DENSMORE, New York, N. Y. Re-renewed Oct. 6, 1946, to Garfield Tea Company, Brooklyn, N. Y., a corporation of New York. Class 6.

28,962. **"GOLDEN TEA POT BLEND" ETC. AND DRAWING.** TEA. Registered Oct. 6, 1896. PETER C. LARKIN, Boston, Mass., and Toronto, Ontario, Canada. Re-renewed Oct. 6, 1946, to Salada Tea Company, Boston, Mass., a corporation of Maine. Class 46.

49,902. **"MILK" AND DESIGN.** BAKING-POWDER. Registered Feb. 20, 1906. HULMAN & CO. Re-renewed Feb. 20, 1946, to Hulman & Company, Terre Haute, Ind., a corporation of Indiana. Class 46.

51,073. **BALSAM OF MYRRH.** MEDICAL COMPOUNDS FOR CERTAIN AILMENTS AND COMPLAINTS. Registered Apr. 3, 1906. G. C. HANFORD MANUFACTURING CO., Syracuse, N. Y., a corporation of New York. Re-renewed Apr. 3, 1946. Class 6.

51,154. **"DIAMOND" AND DESIGN.** OVERALLS, COATS, AND TROUSERS. Registered Apr. 3, 1906. RED DIAMOND CLOTHING COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Apr. 3, 1946. Class 39.

51,247. **METALINE.** METAL BEARINGS, BUSHINGS, AND JOURNALS. Registered Apr. 10, 1906. NORTH AMERICAN METALINE CO. Re-renewed Apr. 10, 1946, to R. W. Rhoades Metaline Co., Inc., Long Island City, N. Y., a corporation of New York. Class 23.

51,407. **NOBRAC.** CARBON PAINTS. Registered Apr. 17, 1906. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Re-renewed Apr. 17, 1946. Class 16.

51,845. **VULCAN.** FOUNDRY FACINGS OR BLACKING COMPOSED OF FINELY GROUND OR COMMINUTED INGREDIENTS. Registered Apr. 24, 1906. THE J. S. MCCORMICK COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Re-renewed Apr. 24, 1946. Class 1.

51,892. **AJAX.** FOUNDRY FACINGS OR BLACKING COMPOSED OF FINELY GROUND OR COMMINUTED INGREDIENTS. Registered Apr. 24, 1906. THE J. S. MCCORMICK COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Re-renewed Apr. 24, 1946. Class 1.

51,922. **SAL HEPATICA.** CERTAIN NAMED MEDICINES. Registered Apr. 24, 1906. BRISTOL-MYERS COMPANY, New York and Brooklyn, N. Y. Re-renewed Apr. 24, 1946, to Bristol-Myers Company, New York, N. Y., a corporation of Delaware. Class 6.

51,930. **CAPSTONE.** NICKEL SALTS. Registered Apr. 24, 1906. THE HANSON & VAN WINKLE CO., Newark, N. J., New York, N. Y., and Chicago, Ill. Re-renewed Apr. 24, 1946, to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey. Class 6.

51,967. **UZATONA.** RED PAINT. Registered May 1, 1906. F. O. PIERCE COMPANY, Long Island City, N. Y., a corporation of New York. Re-renewed May 1, 1946. Class 16.

52,000. **EDUCATOR.** LEATHER BOOTS AND SHOES AND LEATHER USED IN THEIR MANUFACTURE. Registered May 1, 1906. RICE & HUTCHINS, INCORPORATED, Boston, Mass., assignors to Rice and Hutchins, Incorporated. Re-renewed May 1, 1946, to The Educator Shoe Corporation of America, New York, N. Y., a corporation of Delaware. Classes 1 and 39.

52,005. **"SATIN FINISH" AND DRAWING.** CANDY. Registered May 1, 1906. BRANDLE & SMITH CO., Philadelphia, Pa. Re-renewed May 1, 1946, to Luden's, Inc., Reading, Pa., a corporation of Pennsylvania. Class 46.

52,117. **COE'S.** PACKAGE-ROLLS OF GOLD, SILVER, ALUMINUM, COMPOSITION, OR OTHER METAL LEAF. Registered May 1, 1906. W. H. COE MANUFACTURING COMPANY, Providence, R. I., a corporation of Rhode Island. Re-renewed May 1, 1946. Class 14.

52,177. **MILK WEED.** FACE CREAMS. Registered May 1, 1906. FREDERICK F. INGRAM, Detroit, Mich. Re-renewed May 1, 1946, to Bristol-Myers Company, New York, N. Y., a corporation of Delaware. Class 6.

52,210. **"PAIN" AND DRAWING.** LINIMENT. Registered May 1, 1906. MINARDS' LINIMENT MANUFACTURING COMPANY, Framingham and Boston, Mass. Re-renewed May 1, 1946, to Minard Company, Framingham, Mass., a corporation of Massachusetts. Class 6.

52,250. **LAC-BISMO.** REMEDIES FOR STOMACH, INTESTINAL, AND BOWEL DISORDERS. Registered May 1, 1906. E. J. HART & CO., LTD., New Orleans, La., a corporation of Louisiana. Re-renewed May 1, 1946. Class 6.

52,289. **RED JACKET.** CANNED LOBSTERS. Registered May 8, 1906. BURNHAM & MORRILL COMPANY, Portland, Maine, a corporation of Maine. Re-renewed May 8, 1946. Class 46.

52,337. **"GRIMSHAW WHITE CORE" ETC. AND DESIGN.** INSULATED WIRE AND ADHESIVE TAPES COMMONLY USED FOR INSULATING. Registered May 8, 1906. NEW YORK INSULATED WIRE COMPANY, New York, N. Y. Re-renewed May 8, 1946, to Plymouth Rubber Company, Inc., Canton, Mass., a corporation of Massachusetts. Class 21.

52,583. **DE LAVAL.** CENTRIFUGAL SEPARATORS IN WHICH A LIQUID IS ONE OF THE COMPONENT PARTS OF THE MATERIAL TREATED. Registered May 15, 1906. THE DE LAVAL SEPARATOR COMPANY, New York and Poughkeepsie, N. Y. Re-renewed May 15, 1946, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey. Class 23.

53,030. **GASTROGEN.** MEDICINAL PREPARATIONS IN LIQUID AND SOLID FORM FOR INTERNAL USE. Registered May 22, 1906. BRISTOL-MYERS COMPANY, New York, and Brooklyn, N. Y. Re-renewed May 22, 1946, to Bristol-Myers Company, New York, N. Y., a corporation of Delaware. Class 6.

53,099. **KING.** OLIVES. Registered May 29, 1906. CHARLES GULDEN, New York, N. Y. Re-renewed May 29, 1946, to Mawer-Gulden-Annis, Inc., Brooklyn, N. Y., a corporation of New York. Class 46.

53,405. **"G" AND DESIGN.** MALT EXTRACTS. Registered June 5, 1906. M. K. GOETZ BREWING COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed June 5, 1946. Class 46.

53,463. **D. & P.** ROCK-CANDY AND ROCK-CANDY SYRUPS. Registered June 5, 1906. KNICKERBOCKER CHOCOLATE COMPANY, New York, N. Y. Re-renewed June 5, 1946, to Dryden & Palmer, Inc., Long Island City, N. Y., a corporation of Delaware. Class 46.

53,934. **ADRENALIN.** HEMOSTATIC, ASTRINGENT, BLOOD-PRESSURE RAISING AND STIMULATING PREPARATIONS FOR MEDICINAL OR SURGICAL PURPOSES. Registered June 12, 1906. PARKE DAVIS & CO., Detroit, Mich. and New York, N. Y. Re-renewed June 12, 1946, to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Class 6.

54,525. **EDUCATOR.** RUBBER BOOTS AND SHOES OF ALL KINDS. Registered June 26, 1906. RICE & HUTCHINS, INCORPORATED, Boston, Mass., assignors to Rice & Hutchins, Incorporated. Re-renewed June 26, 1946, to The Educator Shoe Corporation of America, New York, N. Y., a corporation of Delaware. Class 39.

54,710. **HERRING-HALL-MARVIN.** SAFES. Registered June 26, 1906. HERRING-HALL-MARVIN SAFE COMPANY, Hamilton, Ohio and New York, N. Y. Re-renewed June 26, 1946, to Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of New York. Class 25.

54,839. **THE AMERICAN FERTILIZER.** TRADE-JOURNALS. Registered July 31, 1906. WARE BROS. COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed July 31, 1946. Class 38.

54,868. **DE LAVAL.** CREAM-SEPARATORS OF ALL KINDS. Registered July 31, 1906. THE DE LAVAL SEPARATOR COMPANY, New York and Poughkeepsie, N. Y. Re-renewed July 31, 1946, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey. Class 23.

54,927. **REPRESENTATION OF A CROSS.** SAFETY-PINS. Registered Aug. 7, 1906. THE AMERICAN PIN COMPANY, Waterville, Conn. Re-renewed Aug. 7, 1946, to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut. Class 40.

55,071. **"THE FOOT DOCTOR" AND DESIGN.** LEATHER BOOTS AND SHOES. Registered Aug. 7, 1906. HEYWOOD BOOT & SHOE COMPANY, Worcester, Mass., a corporation of Massachusetts. Re-renewed Aug. 7, 1946. Class 39.

55,309. **BUNION.** LEATHER SHOES. Registered Aug. 14, 1906. HEYWOOD BOOT & SHOE COMPANY, Worcester, Mass., a corporation of Massachusetts. Re-renewed Aug. 14, 1946. Class 39.

55,310. **"HEYWOOD" ETC. AND DESIGN.** LEATHER BOOTS AND SHOES. Registered Aug. 14, 1906. HEYWOOD BOOT & SHOE COMPANY, Worcester, Mass., a corporation of Massachusetts. Re-renewed Aug. 14, 1946. Class 39.

55,556. **DIAMOND.** ROOFING, SHEATHING, AND BUILDING PAPER. Registered Aug. 14, 1906. BARRETT MANUFACTURING COMPANY. Re-renewed Aug. 14, 1946, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 12.

55,851. **2-4-1.** SEMI-PASTE PAINT. Registered Aug. 21, 1906. THE H. B. DAVIS COMPANY. Re-renewed Aug. 21, 1946, to The H. B. Davis Company, Baltimore, Md., a corporation of Maryland. Class 16.

55,908. **REPRESENTATION OF A HAND.** ANTICORROSIVE AND ANTIFOULING PAINT FOR VESSELS. Registered Aug. 21, 1906. RAHTJEN'S AMERICAN COMPOSITION COMPANY. Re-renewed Aug. 21, 1946, to Red Hand Compositions Company, Inc., New York, N. Y., a corporation of New York. Class 16.

55,919. **DIAMOND.** ROOFING, SHEATHING, WATERPROOFING, AND BUILDING FELT. Registered Aug. 21, 1906. BARRETT MANUFACTURING COMPANY. Re-renewed Aug. 21, 1946, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 12.

56,097. **MATCHLESS HOSIERY.** HOSIERY. Registered Aug. 21, 1906. WAYNE KNITTING MILLS, Fort Wayne, Ind., a corporation of Indiana. Re-renewed Aug. 21, 1946. Class 39.

56,329. **REPRESENTATION OF A CROSS. MIRROR-PLATES.** Registered Sept. 11, 1906. SIMON BACHE & COMPANY, New York, N. Y., a corporation of New York. Re-renewed Sept. 11, 1946. Class 33.

56,407. **UNIVERSAL.** MUCILAGE, LIQUID ADHESIVE STARCH GUMS, AND LIQUID ADHESIVE SIZINGS AND PASTES. Registered Sept. 25, 1906. THE ARABOL M'F'G CO., New York, N. Y., a corporation of New York. Re-renewed Sept. 25, 1946. Class 5.

56,466. **"SUNNY BROOK" AND DESIGN. WHISKY.** Registered Sept. 25, 1906. ROSENFIELD BROS. & CO., Chicago, Ill. Re-renewed Sept. 25, 1946, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia. Class 49.

56,636. **"MILLER" AND DESIGN.** LOCKS, PADLOCKS, AND KEYS. Registered Oct. 9, 1906. MILLER LOCK COMPANY, Frankford, Philadelphia, Pa. Re-renewed Oct. 9, 1946, to The Yale & Towne Manufacturing Company, New York, N. Y., a corporation of Connecticut. Class 25.

56,749. **ROSALINE.** COSMETICS FOR TINTING THE FINGER-NAILS, LIPS, AND CHEEKS. Registered Oct. 16, 1906. DR. J. PARKER PRAY COMPANY, LIMITED, New York, N. Y. Re-renewed Oct. 16, 1946, to J. Parker Pray, Inc., Stamford, Conn., a corporation of New York. Class 6.

205,744. **STIMSONITE.** GLASS LIGHT REFLECTORS, FOR USE IN VEHICLE TAIL LIGHTS, TRAFFIC SIGNALS, AND ILLUMINATED SIGNS. Registered Nov. 17, 1925. JONATHAN C. STIMSON, doing business as Stimson Reflector Company, St. Louis, Mo. Renewed Nov. 17, 1945, to American Gas Accumulator Company, Elizabeth, N. J., a corporation of New Jersey. Class 34.

209,387. **MOR-PAK.** PRESERVED AND CANNED FRUITS. Registered Feb. 23, 1926. MOR-PAK PRESERVING COMPANY, Fresno, Calif. Renewed Feb. 23, 1946, to Mor-Pak Preserving Corporation, San Francisco, Calif., a corporation of California. Class 46.

210,527. **ΣΝΦ.** FRATERNITY BADGES, LAPEL BUTTONS, SCARF, LAPEL, AND BREAST PINS, CUFF LINKS, TIE CLASPS, CHARMS, FINGER RINGS, BELT BUCKLES, AND ORNAMENTAL SHIELDS, ALL OF PRECIOUS METAL. Registered Mar. 16, 1926. SIGMA NU PHI FRATERNITY (LEGAL), Washington, D. C., a corporation of the District of Columbia. Renewed Mar. 16, 1946. Class 28.

211,243. **"AWC CO." AND DESIGN.** CERTAIN WIRE CLOTH; AND WIRE GUARDS AND WIRE SCREENS. Registered Apr. 6, 1926. AUDUBON WIRE CLOTH COMPANY, Audubon, N. J. Renewed Apr. 6, 1946, to Audubon Wire Cloth Corporation, Philadelphia, Pa., a corporation of New Jersey. Class 13.

211,404. **MONARCH.** GAS HOT-WATER HEATERS AND GAS HOT-WATER-STORAGE SYSTEMS. Registered April 13, 1926. PITTSBURGH WATER HEATER COMPANY. Renewed Apr. 13, 1946, to The Pittsburgh Water Heater Corporation, Pittsburgh, Pa., a corporation of Pennsylvania. Class 34.

211,595. **SWITCHBOARD SALLY.** CARTOONS IN THE FORM OF A COMIC STRIP. Registered Apr. 13, 1926. KING FEATURES SYNDICATE, INC. Renewed Apr. 13, 1946, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Class 38.

211,616. **THE AMERICAN FERTILIZER HAND BOOK.** TRADE JOURNAL PUBLISHED ANNUALLY. Registered Apr. 13, 1926. WARE BROS. COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Apr. 13, 1946. Class 38.

211,856. **MAGNET.** RADIO RECEIVING SETS. Registered Apr. 20, 1926. GIMBEL BROTHERS, INC., New York, N. Y., Philadelphia, Pa., and Milwaukee, Wis. Renewed Apr. 20, 1946, to Gimbel Brothers, Inc., New York, N. Y., a corporation of New York. Class 21.

212,107. **DUNITE.** ALLOY OF METALS. Registered Apr. 27, 1926. THE DUNHAM COMPANY. Renewed Apr. 27, 1946, to The Dunham Company, Berea, Ohio, a corporation of Ohio. Class 14.

212,232. **BULLDOG.** PIPELESS FURNACE. Registered Apr. 27, 1926. BABSON BROTHERS, Chicago, Ill. Renewed Apr. 27, 1946, to Tidewater Engineering Company, Gloucester, Mass., a corporation of Massachusetts. Class 34.

212,492. **ORO-NATA.** BATH SALTS. Registered May 4, 1926. JOHN E. BENNETT, San Francisco, Calif. Renewed May 4, 1946. Class 6.

212,682. **REPRESENTATION OF A HEXAGON IN A CIRCLE.** TOOLS—NAMELY, WRENCHES, POWER GRINDERS, AND SICKLE ATTACHMENTS. Registered May 11, 1926. AMERICAN GRINDER MANUFACTURING CO. Renewed May 11, 1946, to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin. Class 23.

213,100. **VICTOR.** CANNED SALMON. Registered May 18, 1926. ALASKA CONSOLIDATED CANNERIES, INC. Renewed May 18, 1946, to P. E. Harris & Co., Seattle, Wash., a corporation of Washington. Class 46.

213,269. **"KEYSTONE APOLLO" AND DESIGN.** GALVANIZED-STEEL SHEETS. Registered May 25, 1926. AMERICAN SHEET AND TIN PLATE COMPANY. Renewed May 25, 1946, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey. Class 14.

213,285. **"BEAUTY MAID" AND DESIGN.** LADIES' AND MISSES' SHOES, SLIPPERS, PUMPS, AND LOW QUARTERS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. Registered May 25, 1926. WOLFF TOBER SHOE MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed May 25, 1946. Class 39.

213,321. **VITAMIZED WITH SUNSHINE.** ALFALFA MEAL. Registered May 25, 1926. THE DENVER ALFALFA MILLING & PRODUCTS CO., Lamar, Colo. Renewed May 25, 1946, to Ralston Purina Company, St. Louis, Mo., a corporation of Missouri. Class 46.

213,754. **TRUSO.** PERFUMES, TOILET WATERS, FACE CREAMS, TALCUM POWDER, FACE POWDER, AND HAIR TONIC. Registered June 1, 1926. THE LA SALLE COMPANY, St. Paul, Minn., assignor to La Salle Products, Inc. Renewed June 1, 1946, to Bristol-Myers Company, New York, N. Y., a corporation of Delaware. Class 6.

213,757. **HARTS' ALIMENTARY ELIXIR.** GENERAL TONIC. Registered June 1, 1926. E. J. HART & CO., LTD., New Orleans, La., a corporation of Louisiana. Renewed June 1, 1946. Class 6.

213,814. **"R-M" AND DESIGN.** VARNISH PRODUCTS. Registered June 8, 1926. RINSHED-MASON CO., Detroit, Mich., a corporation of Michigan. Renewed June 8, 1946. Class 16.

213,953. **CHEESETT.** FOOD PRODUCT SIMILAR TO CHEESE BUT CONTAINING ALL INGREDIENTS FOUND IN MILK, TO BE USED AS A SANDWICH SPREAD. Registered June 8, 1926. PABST CORPORATION, Milwaukee, Wis. Renewed June 8, 1946, to Kraft Foods Company of Wisconsin, Green Bay, Wis., a corporation of Wisconsin. Class 46.

214,178. **"THE OSHKOSH TRUNK COMPANY" AND DESIGN.** WARDROBE TRUNKS, DRESS TRUNKS, CABIN OR STEAMER TRUNKS, SHOE, SHIRTWAIST AND HAT TRUNKS; HAT TRUNKS, SHOE OR BOAT TRUNKS, AND HAND LUGGAGE, SUCH AS VISITING CASES; PORTABLE WARDROBE TRUNKS, AND TAXI TRUNKS. Registered June 15, 1926. THE OSHKOSH TRUNK COMPANY. Renewed June 15, 1946, to Oshkosh Trunks and Luggage, Oshkosh, Wis., a corporation of Wisconsin. Class 3.

214,220. **HAPPY HOME.** BROOMS, PAINTERS' BRUSHES, HOUSEHOLD SWEEPING BRUSHES, TOOTHBRUSHES, NAIL BRUSHES, HAIRBRUSHES, SCRUB BRUSHES, AND CLOTHES BRUSHES, WHISK BROOMS, FEATHER DUSTERS, AND MOPS. Registered June 15, 1926. SCHWABACHER BROS. & CO., INC., Seattle, Wash., a corporation of Washington. Renewed June 15, 1946. Class 29.

214,759. **CALAVO.** AVOCADOES (FRESH FRUITS). Registered July 6, 1926. CALIFORNIA AVOCADO GROWERS EXCHANGE. Renewed July 6, 1946, to Calavo Growers of California, Los Angeles, Calif., a corporation of California. Class 46.

214,821. **"EASTERN STAR" AND DESIGN.** TEA. Registered July 6, 1926. THE WM. BOARDMAN & SONS CO., Hartford, Conn., a corporation of Connecticut. Renewed July 6, 1946. Class 46.

214,830. **NUT-CHUNK.** CANDY AND CANDY BARS. Registered July 6, 1926. AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed July 6, 1946. Class 46.

215,128. **REPRESENTATION OF A BOX WITH PURPLE SIDES AND GOLD BANDS.** SUPPOSITORIES FOR PREVENTION AND ALLEVIATION OF CERTAIN DISEASES. Registered July 13, 1926. DR. PIERRE CHEMICAL CO. Renewed July 13, 1946, to Dr. Pierre Chemical Company, Chicago, Ill., a corporation of Delaware. Class 6.

215,534. **ALADDINETTE.** KEROSENE CANDLE LAMPS, BURNERS, WICKS, AND PARTS OF LAMPS AND BURNERS THEREOF. Registered July 20, 1926. ALADDIN INDUSTRIES, INCORPORATED, Chicago, Ill., a corporation of Illinois. Renewed July 20, 1946. Class 34.

215,560. **ODEON.** RADIO RECEIVING SETS, VARIABLE COUPLERS, RADIO HEAD SETS, RADIODIALS AND RADIO VACUUM-TUBE SOCKETS. Registered July 20, 1926. GENERAL PHONOGRAPH CORPORATION, New York, N. Y. Renewed July 20, 1946, to Columbia Recording Corporation, Bridgeport, Conn., a corporation of Delaware. Class 21.

215,636. **SNUGTEX.** ANTISLIP DEVICE IN THE NATURE OF WEBBING OR TAPE, THE FACE OF WHICH IS PROVIDED WITH A RIB OR RIBS OF ANTISLIP MATERIAL. Registered July 20, 1926. EVERLASTIK, INCORPORATED, Chelsea, Mass., a corporation of Massachusetts. Renewed July 20, 1946. Class 40.

215,753. **KENTUCKY IDEAL.** COAL. Registered July 27, 1926. CLARK COLEMAN COAL & COKE CO., Peoria, Ill., a firm. Renewed July 27, 1946. Class 1.

215,805. **SERVEL.** ELECTRIC REFRIGERATORS, REFRIGERATOR PARTS, REFRIGERATOR SYSTEMS, AND FILTERS. Registered July 27, 1926. SERV-EL CORPORATION, Evansville, Ind. Renewed July 27, 1946, to Servel, Inc., New York, N. Y., a corporation of Delaware. Class 31.

216,011. **"BEACON" ETC. AND DESIGN.** PETROLEUM PRODUCTS—NAMELY, LUBRICATING OIL. Registered Aug. 3, 1926. BEACON OIL COMPANY. Renewed Aug. 3, 1946, to Colonial Beacon Oil Company, Boston, Mass., a corporation of Massachusetts. Class 15.

216,015. **ARLINGTON CLUB.** CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE, ROOT BEER, PLAIN CARBONATED WATER, AND VARIOUS FRUIT FLAVORS. Registered Aug. 3, 1926. F. W. MÜLLER SONS. Renewed Aug. 3, 1946, to Arlington Carbonated Beverage Co., Arlington Heights, Ill., a firm. Class 45.

216,132. **ACME.** ALL VARIETIES OF MELONS IN THEIR NATURAL STATE—NAMELY, CANTALOUPES, WATERMELONS, CASABAS, HONEYDEW. Registered Aug. 3, 1926. E. C. ARNOLD, Ceres, Calif. Renewed Aug. 3, 1946, to E. C. Arnold, Turlock, Calif. Class 46.

216,281. **"I. P. HYDE" AND DESIGN.** CERTAIN NAMED CUTLERY AND TOOLS AND PARTS THEREOF Registered Aug. 10, 1926. HYDE MANUFACTURING COMPANY, Southbridge, Mass., a corporation of Massachusetts. Renewed Aug. 10, 1946. Class 23.

216,361. **"SUNRAY".** SILK PETTICOATS, SLIPS, AND BLOOMERS. Registered Aug. 10, 1926. VICTOR L. SUSSBERG, doing business as The Wellmade Petticoat Co., New York, N. Y. Renewed Aug. 10, 1946, to Radelle Lingerie Corporation, Astoria, L. I., N. Y., a corporation of New York. Class 39.

216,506. **NUTONEX.** SULPHUR. Registered Aug. 10, 1926. THE J. W. WOOLFOLK COMPANY, INC. Renewed Aug. 10, 1946, to Woolfolk Chemical Works, Ltd., Fort Valley, Ga., a limited partnership. Class 6.

216,513. **"DAVIS IMPERIAL STAR & CRESCENT" AND DESIGN.** CHEESE. Registered Aug. 10, 1926. DAVIS BROS. CHEESE CO., Plymouth, Wis. Renewed Aug. 10, 1946, to Kraft Foods Company of Wisconsin, Green Bay, Wis., a corporation of Wisconsin. Class 46.

216,522. **VITRISALT.** CHEMICAL FOR USE IN THE DYEING OF TEXTILES AND FOR USE IN THE MANUFACTURE OF RAYON OR ARTIFICIAL SILK. Registered Aug. 10, 1926. THE CALCO CHEMICAL COMPANY, Bound Brook, N. J. Renewed Aug. 10, 1946, to American Cyanamid Company, New York, N. Y., a corporation of Maine. Class 6.

216,530. **STANDARD.** DIARIES. Registered Aug. 10, 1926. THE STANDARD DIARY COMPANY, Cambridge, Mass., a corporation of Massachusetts. Renewed Aug. 10, 1946. Class 37.

216,536. **REPRESENTATION OF A BULL.** DRIED BONES. Registered Aug. 10, 1926. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 10, 1946. Class 1.

216,572. **TEXASWEET.** FRESH CITROUS FRUITS—NAMELY, GRAPEFRUIT, ORANGES, TANGERINES, AND LEMONS; CANNED CITROUS FRUITS—NAMELY, CANNED GRAPEFRUIT, ORANGE MARMALADE, GRAPEFRUIT MARMALADE. Registered Aug. 17, 1926. TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex., a corporation of Texas. Renewed Aug. 17, 1946. Class 46.

216,658. **"PURITAN BRAND" AND DESIGN.** CANNED VEGETABLES, PARTICULARLY CANNED PEAS, CANNED STRING AND STRINGLESS BEANS, CORN, SUCCOTASH, AND LIMA BEANS. Registered Aug. 17, 1926. H. C. BAXTER & BRO., Brunswick, Maine, a firm. Renewed Aug. 17, 1946. Class 46.

216,693. **"HUSKY" AND DESIGN.** LOGGING BLOCKS. Registered Aug. 17, 1926. DRAPER ENGINE WORKS CO., Seattle, Wash., a corporation of Washington. Renewed Aug. 17, 1946. Class 23.

216,915. **SERENE.** LUBRICATING OILS AND AUTOMOBILE LUBRICANTS. Registered Aug. 24, 1926. BEACON OIL COMPANY. Renewed Aug. 24, 1946, to Colonial Beacon Oil Company, Boston, Mass., a corporation of Massachusetts. Class 15.

216,990. **REPRESENTATION OF A HEART FIGURE.** CANVAS AND LEATHER BOOTS AND SHOES. Registered Aug. 24, 1926. HEYWOOD BOOT & SHOE COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed Aug. 24, 1946. Class 39.

217,081. **REPRESENTATION OF A SIX-LOBED FLOWER DESIGN.** PERFUMERY, EXTRACTS, AND CERTAIN TOILET PREPARATIONS. Registered Aug. 24, 1926. CARON CORPORATION, New York, N. Y., a corporation of New York. Renewed Aug. 24, 1946. Class 6.

217,315. **"DALLWIG POLICY AND COMMISSION RECORD" AND DESIGN.** BLANKS FOR KEEPING INSURANCE POLICY AND COMMISSION RECORDS. Registered Aug. 31, 1926. PAUL G. DALLWIG, Chicago, Ill. Renewed Aug. 31, 1946. Class 37.

217,368. **TEXASWEET.** GRAPEFRUIT AND ORANGE JUICES SOLD FOR SOFT-DRINK PURPOSES. Registered Aug. 31, 1926. TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex., a corporation of Texas. Renewed Aug. 31, 1946. Class 46.

217,504. **PILGRIM.** HYDRATED LIME. Registered Aug. 31, 1926. ROCKLAND & ROCKPORT LIME CORPORATION. Renewed Aug. 31, 1946, to Rockland-Rockport Lime Co. Inc., of Rockland, Maine, a corporation of Maine. Class 12.

217,534. **GYRO GAS.** MOTOR SPIRITS. Registered Aug. 31, 1926. CHEMICAL RESEARCH SYNDICATE, LTD. Renewed Aug. 31, 1946, to GYRO PROCESS COMPANY, Detroit, Mich., a corporation of Michigan. Class 15.

217,561. **RADIO.** MALT BEVERAGE CONTAINING LESS THAN ONE-HALF OF ONE PER CENT OF ALCOHOL BY VOLUME. Registered Sept. 7, 1926. LIEBMANN BREWERIES, INC., Brooklyn, N. Y., a corporation of New York. Renewed Sept. 7, 1946. Class 48.

217,587. **SILVER SHIELD.** CANNED VEGETABLES, FRUITS, BERRIES, FISH AND SHELLFISH; SPICES, FOOD-FLAVORING EXTRACTS, AND OTHER FOOD PRODUCTS. Registered Sept. 7, 1926. SCHWABACHER BROS. & CO., INC., Seattle, Wash., a corporation of Washington. Renewed Sept. 7, 1946. Class 46.

217,595. **KITTEN.** TEXTILE BLANKETS. Registered Sept. 7, 1926. THE ESMOND MILLS. Renewed Sept. 7, 1946, to The Esmond Mills, Incorporated, Esmond, Smithfield, R. I., a corporation of Delaware. Class 42.

217,596. **BOWKNOT.** TEXTILE BLANKETS. Registered Sept. 7, 1926. THE ESMOND MILLS. Renewed Sept. 7, 1946, to The Esmond Mills, Incorporated, Esmond, Smithfield, R. I., a corporation of Delaware. Class 42.

217,603. **BLUE BLOOD.** CERTAIN FRESH FRUITS AND VEGETABLES. Registered Sept. 7, 1926. MATTHEW J. ZEUZIUS, Los Angeles, Calif. Renewed Sept. 7, 1946. Class 46.

217,630. **PABST-ETT.** CHEESE PREPARATION TO BE USED AS A SANDWICH SPREAD. Registered Sept. 7, 1926. PABST CORPORATION, Milwaukee, Wis. Renewed Sept. 7, 1946, to Kraft Foods Company of Wisconsin, Green Bay, Wis., a corporation of Wisconsin. Class 46.

217,777. **GOLD SHIELD.** CERTAIN FOOD-FLAVORING EXTRACTS AND SPICES; AND TEA AND COFFEE. Registered Sept. 7, 1926. SCHWABACHER BROS. & CO., INC., Seattle, Wash., a corporation of Washington. Renewed Sept. 7, 1946. Class 46.

217,928. **"FOX'S" AND DRAWING.** NONALCOHOLIC MALTLESS CONCENTRATES AND SIRUPS FOR MIXING SOFT DRINKS. Registered Sept. 14, 1926. GEORGE A. FOX. Renewed Sept. 14, 1946, to George A. Fox Products Company, Kansas City, Mo., a corporation of Missouri. Class 45.

217,972. **PURITAN.** MINCEMEAT, HONEY, AND PEANUT BUTTER. Registered Sept. 14, 1926. PURITAN PRESERVE COMPANY. Renewed Sept. 14, 1946, to Puritan Preserve Company, San Francisco, Calif., a firm. Class 46.

218,040. **MOTH-TOX.** INSECTICIDE. Registered Sept. 21, 1926. THE TOLEDO REX SPRAY COMPANY, assignor to Rex Research Corporation. Renewed Sept. 21, 1946, to Rex Research Corporation, Toledo, Ohio, a corporation of Delaware. Class 6.

218,171. **MELLOTONES.** WOOLEN GOODS IN THE PIECE. Registered Sept. 21, 1926. WORUMBO MANUFACTURING COMPANY, Bath, Maine. Renewed Sept. 21, 1946, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine. Class 42.

218,237. **TOPSY.** ICE CREAM AND FROZEN CONFECTIONS. Registered Sept. 21, 1926. THEONETT & CO., Chicago, Ill., a corporation of Illinois. Renewed Sept. 21, 1946. Class 46.

218,250. **BARBAROSSA.** MALT AND HOP SIRUP. Registered Sept. 21, 1926. THE RED TOP MALT EXTRACT COMPANY. Renewed Sept. 21, 1946, to Red Top Brewing Company, Cincinnati, Ohio, a corporation of Ohio. Class 46.

218,292. **REPRESENTATION OF A TIE-BAND FOR SKEINS OF YARN.** SKEINS OF YARNS OF VARIOUS KINDS. Registered Sept. 21, 1926. JAMES LEES AND SONS COMPANY, Bridgeport, Pa., a corporation of Pennsylvania. Renewed Sept. 21, 1946. Class 43.

218,376. **ALLISATIN.** PHARMACEUTICAL PRODUCTS FOR CERTAIN DISEASES. Registered Sept. 28, 1926. CHEMICAL WORKS FORMERLY SANDOZ, Basel, Switzerland. Renewed Sept. 28, 1946, to Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Class 6.

218,391. **AMENOTONE.** MEDICINAL PREPARATION FOR THE TREATMENT OF CERTAIN DISEASES. Registered Sept. 28, 1926. JOHN T. MILLIKEN & COMPANY, St. Louis, Mo. Renewed Sept. 28, 1946, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois. Class 6.

218,396. **"D. H. CASTILLE" ETC. AND DRAWING.** CERTAIN AUTOMOBILE ELECTRICAL PARTS; AND RADIO RECEIVING SETS AND PARTS THEREOF. Registered Sept. 28, 1926. D. H. CASTILLE, New Iberia, La. Renewed Sept. 28, 1946. Class 21.

218,427. **"GOHI" ETC. AND DESIGN.** CERTAIN NAMED MATERIALS. Registered Sept. 28, 1926. NEWPORT ROLLING MILL CO., Newport, Ky., a corporation of Delaware. Renewed Sept. 28, 1946. Class 12.

218,449. **ONCE-ALWAYS.** GASOLINE, LUBRICATING OILS AND GREASES. Registered Sept. 28, 1926. CITIES SERVICE OIL COMPANY, Cleveland, Ohio. Renewed Sept. 28, 1946, to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware. Class 15.

218,460. **REPRESENTATION OF A SQUARE DESIGN HAVING INTERLACED TRIANGLES ETC.** PRAYER SHAWLS. Registered Sept. 28, 1926. M. WOLOZIN, INC. Renewed Sept. 28, 1946, to M. Wolozin, New York, N. Y. Class 39.

218,472. **"KANSAS LEADER" AND DRAWING.** WHEAT FLOUR AND GRAHAM FLOUR. Registered Sept. 28, 1926. J. W. SCOTT, doing business as State Line Milling Company, Kiowa, Kans. Renewed Sept. 28, 1946. Class 46.

218,490. **"TIP TOP" AND DRAWING.** AMMONIA, JAVELLE WATER. Registered Sept. 28, 1926. CRESCENT BOTTLING WORKS, Newark, N. J., a corporation of New Jersey. Renewed Sept. 28, 1946. Class 6.

218,502. **TRAZITE.** COMPOSITION FLOORING. Registered Sept. 28, 1926. MARINE DECKING & SUPPLY CO., Philadelphia, Pa. Renewed Sept. 28, 1946, to Oakite Products, Inc., New York, N. Y., a corporation of New York. Class 12.

218,538. **REMEDEX.** PREPARATION FOR THE TREATMENT OF COUGHS AND COLDS. Registered Sept. 28, 1926. JACOB D. KAPLAN, doing business as Remedex Laboratories, Union City, N. J. Renewed Sept. 28, 1946. Class 6.

218,544. **RECTIGRAPH.** PHOTOGRAPHIC DEVELOPING AND FIXING CHEMICALS. Registered Sept. 28, 1926. RECTIGRAPH COMPANY. Renewed Sept. 28, 1946, to The Haloid Company, Rochester, N. Y., a corporation of New York. Class 6.

218,634. **CHURCH BUSINESS.** PERIODICALS. Registered Sept. 28, 1926. THE DUPLEX ENVELOPE COMPANY, Richmond, Va., a corporation of Virginia. Renewed Sept. 28, 1946. Class 38.

218,757. **SKIP FLEA.** DOG SOAP. Registered Oct. 5, 1926. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Renewed Oct. 5, 1946. Class 4.

218,794. **SANIGENIC.** BREAD-WRAPPING PAPER. Registered Oct. 5, 1926. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Renewed Oct. 5, 1946. Class 37.

218,815. **"C & C" ETC. AND DESIGN.** EXPANDING AND FLAT ENVELOPES FOR CORRESPONDENCE AND PAPERS, FILES FOR CORRESPONDENCE AND PAPERS, WALLETS OF PAPER AND OF PAPER AND FABRIC; AND CERTAIN OTHER NAMED ARTICLES OF STATIONERY. Registered Oct. 5, 1926. THE COOKE & COBB COMPANY, Brooklyn, N. Y. Renewed Oct. 5, 1946, to The Cooke & Cobb Company, New York, N. Y., a corporation of New York. Class 37.

218,844. **HOMIL-OPE.** CHURCH CONTRIBUTION ENVELOPES. Registered Oct. 5, 1926. THE DUPEX ENVELOPE COMPANY, Richmond, Va., a corporation of Virginia. Renewed Oct. 5, 1946. Class 37.

218,867. **UNITPAK.** CORRUGATED-PASTEBOARD BOXES. Registered Oct. 5, 1926. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed Oct. 5, 1946. Class 2.

218,885. **"TABER" AND DESIGN.** PIANOS, PLAYER PIANOS, AND PHONOGRAPHS ADAPTED FOR COMBINATION WITH RADIO SETS. Registered Oct. 5, 1926. FITZGERALD MUSIC COMPANY, Los Angeles, Calif., a corporation of California. Renewed Oct. 5, 1946. Class 36.

218,897. **AZURINE.** OPTICAL LENSES, SPECTACLES, AND PARTS THEREOF. Registered Oct. 5, 1926. AMERICAN SPECTACLE CO., INC., New York, N. Y., a corporation of New York. Renewed Oct. 5, 1946. Class 26.

218,898. **GOSLING.** FRESH ORANGES, LEMONS, AND GRAPEFRUIT. Registered Oct. 5, 1926. EDISON CITRUS ASSOCIATION, Edison, Calif. Renewed Oct. 5, 1946, to Edison Citrus Association, Edison and Bakersfield, Calif., a corporation of California. Class 46.

218,908. **BESTOLITE.** SHEET PACKING AND GASKETS PRODUCED FROM FIBROUS MATERIAL AND RUBBER. Registered Oct. 5, 1926. STEWART R. BROWNE MANUFACTURING CO. INC., New York, N. Y., a corporation of New York. Renewed Oct. 5, 1946. Class 35.

218,917. **THE OAKLAND POST ENQUIRER.** DAILY NEWSPAPER. Registered Oct. 5, 1926. THE POST-ENQUIRER PUBLISHING COMPANY, Oakland, Calif. Renewed Oct. 5, 1946, to Hearst Publications, Incorporated, San Francisco, Calif., a corporation of California. Class 38.

218,921. **"BELARO" AND DESIGN.** ELECTRIC HAIR DRIERS. Registered Oct. 5, 1926. PETER J. MICHELS. Renewed Oct. 5, 1946, to Peter J. Michels, Inc., Brooklyn, N. Y., a corporation of New York. Class 21.

218,943. **SIMPLEX.** EMPLOYEES' TIME RECORDERS AND WATCHMEN'S RECORDERS. Registered Oct. 5, 1926. SIMPLEX TIME RECORDER CO., Gardner, Mass., a corporation of Massachusetts. Renewed Oct. 5, 1946. Class 27.

218,951. **"IDEAL" ETC. AND DESIGN.** FIBER SHIPPING CASES, CARTONS, AND BOXES. Registered Oct. 5, 1926. IDEAL CORRUGATED BOX COMPANY, Parkersburg, W. Va., a corporation of West Virginia. Renewed Oct. 5, 1946. Class 2.

218,964. **RECTIGRAPH.** CAMERAS, PHOTOGRAPHIC DEVELOPING APPARATUS, PHOTOGRAPHIC PAPER AND FILM. Registered Oct. 5, 1926. RECTIGRAPH COMPANY. Renewed Oct. 5, 1946, to The Haloid Company, Rochester, N. Y., a corporation of New York. Class 26.

219,096. **REPRESENTATION OF A FEMALE IN SILHOUETTE.** CAKES AND CRACKERS. Registered Oct. 12, 1926. SOUTHERN BISCUIT WORKS. Renewed Oct. 12, 1946, to Southern Biscuit Company, Incorporated, Richmond, Va., a corporation of Virginia. Class 46.

219,122. **"DULCINEE" AND DESIGN.** FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, FOOT POWDERS, BATH SALTS, SMELLING SALTS, SACHETS, AND INCENSES. Registered Oct. 12, 1926. LEIGH CHEMIST, INC., New York, N. Y. Renewed Oct. 12, 1946, to Shulton, Inc., New York, N. Y. and Hoboken, N. J., a corporation of New Jersey. Class 6.

219,217. **MILLER.** LOCKS. Registered Oct. 12, 1926. THE YALE & TOWNE MANUFACTURING COMPANY, Stamford, Conn. Renewed Oct. 12, 1946, to The Yale & Towne Manufacturing Company, New York, N. Y., a corporation of Connecticut. Class 25.

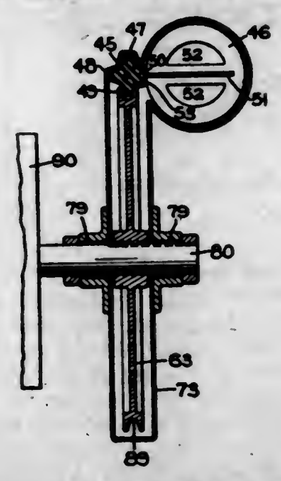
219,248. **P-NUT-PI.** CANDY. Registered Oct. 12, 1926. CRYSTAL CANDY COMPANY. Renewed Oct. 12, 1946, to Rawls Delicious Foods, Inc., Winston-Salem, N. C., a corporation of North Carolina. Class 46.

219,257. **MILK GRAINS.** COMPOUNDED DAIRY RATION. Registered Oct. 12, 1926. ELMORE MILLING COMPANY, INC., Oneonta, N. Y., a corporation of New York. Renewed Oct. 12, 1946. Class 46.

219,266. **UDYBRITE.** MATERIALS FOR CADMIUM PLATING SALTS. Registered Oct. 12, 1926. UDYLITE PROCESS COMPANY, Kokomo, Ind. Renewed Oct. 12, 1946, to The Udylite Corporation, Detroit, Mich., a corporation of Delaware. Class 6.

219,299. **BUD & BLOSSOM.** FINGER RINGS AND FINGER-RING MOUNTINGS. Registered Oct. 12, 1926. MICHAEL LEVY, New York, N. Y. Renewed Oct. 12, 1946. Class 28.

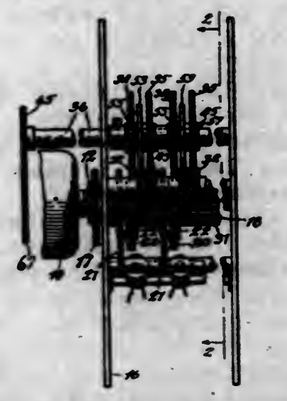
22,789
CONVEYER
Eugene E. Brunner, York, Pa., assignor to Read Machinery Co. Inc., York, Pa., a corporation of Pennsylvania
Original No. 2,383,932, dated September 4, 1945, Serial No. 493,639, July 6, 1943. Application for reissue January 8, 1946, Serial No. 639,733
9 Claims. (Cl. 198—168)



1. In a conveyer, an endless conveying element adapted to be drawn through an endless casing, comprising a series of flight units, each of said flight units having a main body portion formed of sheet metal, a reinforcing rib of sheet metal fastened edgewise to one face of the main body and having an end portion disposed substantially in alinement with one side edge of the main body portion, a bracket secured to said main body portion and to the end portion of said rib, an endless belt having a series of longitudinal ribs, means for attaching the bracket of each of said flight units to one of the ribs of said belt, and sheaves mounted in the conveyer casing for engaging other ribs of said belt for guiding the conveying element through said casing.

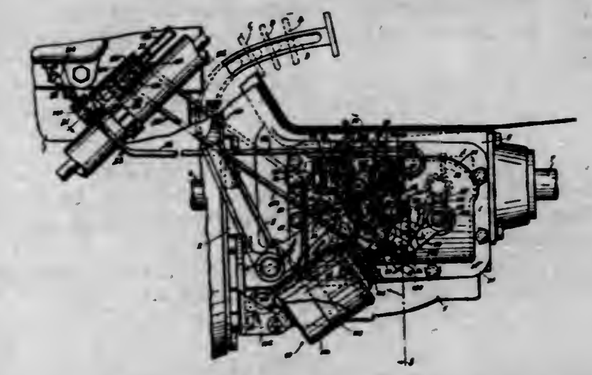
22,790
PRESELECTING MECHANISM
Edward J. Mastney, Berwyn, and John H. Williams, Chicago, Ill., assignors to Oak Manufacturing Co., a corporation of Illinois
Original No. 2,293,299, dated August 18, 1942, Serial No. 390,514, April 26, 1941. Application for reissue January 19, 1944, Serial No. 518,900
10 Claims. (Cl. 74—10)

1. A preselecting mechanism comprising a shaft having a rotational range of over 360°, a coupling member normally rigid on said shaft, a pair of rotary intermittent movements, each movement having a power input and output, each movement including step down means for converting a predetermined angular travel at the input to a smaller angular travel at the output, means on each movement for defining a range of free angular travel, means for supplying power to said movement inputs tending to operate them at equal speeds, each movement including means for transmitting force from the output of said movement to said shaft for shaft rotation when each movement has reached the end of its free travel range, said two movements tending to turn said shaft in opposite directions, and positive locking means for maintaining the relative positions of the parts of each movement to each other and



to the coupling member, each movement having a free travel range corresponding to the shaft range, said locking means preventing range displacement and said movements tending to take up the free travel range and thereafter tending to turn said shaft until equal and opposite shaft turning forces define a preselected point.

22,791
CONTROL MEANS FOR CHANGE-SPEED TRANSMISSIONS
Glenn T. Randol, St. Louis, Mo.
Original No. 2,351,067, dated June 13, 1944, Serial No. 380,752, February 27, 1941. Application for reissue August 7, 1944, Serial No. 548,493
54 Claims. (Cl. 192—3.5)



1. In a control mechanism for a change speed transmission provided with a member shiftable to two gear ratio operative positions and a central neutral position, control means for alternately shifting said member to its two operative positions including fluid power means having an element movable in opposite directions and means for causing said element to alternately move in said opposite directions solely at the will of the operator, a manual member movable from a normally inoperative position to another position for conditioning said control means to be operative, and mechanical connecting means between the manual member and the shiftable member which is operable when the manual member is moved back to its inoperative position for freeing said element by causing the conditioning to be inoperative and then positively moving the shiftable member to its neutral position from an operative position independently of operation of the control means.

PATENTS

GRANTED SEPTEMBER 10, 1946

2,407,214

PRODUCTION OF AN AVIATION OR MOTOR FUEL OR AN AVIATION OR MOTOR FUEL CONSTITUENT

Stanley Francis Birch, Frederick Arnold Fidler, and Leslie Senior Thornes, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

No Drawing. Application September 16, 1943, Serial No. 502,644. In Great Britain July 1, 1942
3 Claims. (Cl. 260—666)

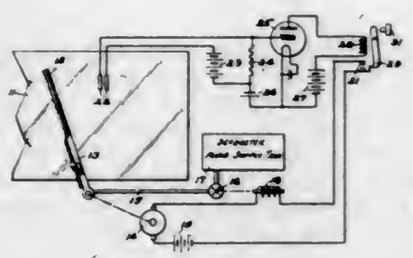
1. A process for the production of cyclopentane from the benzol forerunnings of a coal tar distillate, comprising the steps of subjecting the forerunnings to polymerisation, and producing a concentrate having an approximate boiling range of 75° to 175° C., distilling the said concentrate for the separation as overhead of the light ends boiling approximately at 78° to 80° C., consisting of benzene mainly, together with some unsaturated and sulphur compounds, and a residue fraction as bottoms containing dicyclopentadiene, subjecting said residue fraction to a depolymerising operation to convert dicyclopentadiene in said fraction to cyclopentadiene, and directly subjecting cyclopentadiene so obtained to hydrogenation in the presence of a temperature moderating and reaction stabilising diluent, to yield the cyclopentane product, said depolymerising operation being carried out in a column packed with iron or steel in a divided state such as small pieces or fibre to yield substantially sulphur-free cyclopentadiene as overhead at a column head temperature of 40° to 42° C. at a rate corresponding to the required feed rate of the cyclopentadiene in its hydrogenation.

2,407,215

WINDSHIELD WIPER SYSTEM

John W. Anderson, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana

Application November 16, 1942, Serial No. 465,649
3 Claims. (Cl. 15—250.4)



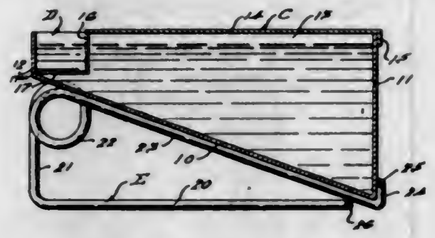
1. In a windshield wiper apparatus, a pair of spaced electrodes mounted on the outer surface of said windshield, a source of potential and an impedance connected thereto, a normally non-conductive electric valve having a control circuit including said impedance, means for delivering de-icing fluid to the windshield, and control means therefor energized through said electric valve whenever the voltage drop appearing across said impedance exceeds a predetermined value characteristic of the accumulation of ice.

2,407,216

WATERING DEVICE FOR FOWL

Albert P. Ball, Detroit, Mich.

Application June 5, 1942, Serial No. 445,896
17 Claims. (Cl. 119—74)



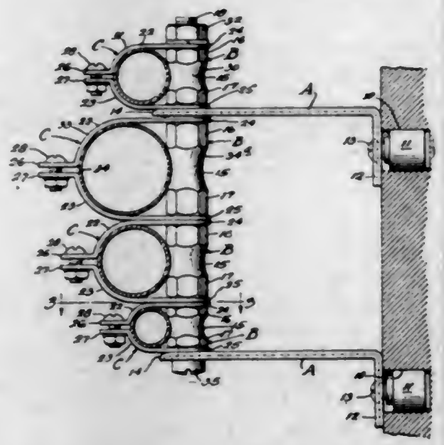
1. In a drinking device for poultry or stock, a tank adapted to contain a supply of water, a relatively narrow trough at one side of the tank separated from said tank but in communication therewith whereby the level of water in the tank and trough is maintained uniform, and spring means beneath the tank supporting the same and operative for automatically elevating only the side of said tank opposite to said trough as the water in the trough is consumed.

2,407,217

CONDUIT SUPPORTING DEVICE

Joseph Banneyer, Chicago, Ill.

Application May 8, 1944, Serial No. 534,581
11 Claims. (Cl. 248—68)



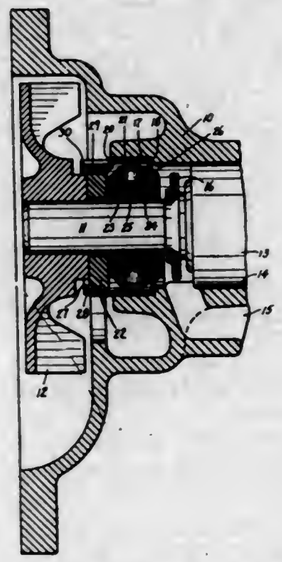
1. A conduit supporting device of the character set forth, comprising a conduit engaging member adapted to contact a conduit at its central portion, clamping means for securing a conduit with said member, said means including one arm extending adjacent one end of said member and another arm which extends adjacent the other end of said member, a bracket for supporting said member, means for securing said bracket and one of said arms to one end of said member, and means for securing the other arm to the other end of said member, one of said securing means being responsive to the turning of said member about its axis transverse with said conduit to tighten one of said arms against an end of said member.

2,407,218

FLUID SEALING DEVICE

Kurt A. Beier, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation

Application February 9, 1945, Serial No. 577,040
1 Claim. (Cl. 286—11)



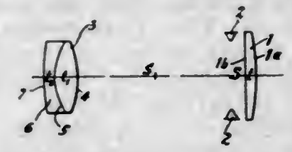
In a fluid seal, a self-contained unit comprising a flexible rubber sleeve of an annular formation adapted to surround a shaft in spaced relation thereto and having an intermediate bulged portion to permit axial expansion and contraction, spaced resilient integral flanges on said sleeve to form spaced end walls therefor, an expanding spring within said sleeve and acting between said flanges for flexing said flanges about their connections with said sleeve, a rigid sealing washer formed with a plurality of arcuate recesses in the periphery thereof, a seal retaining cup embracing said sleeve and washer, a plurality of inwardly bent tongues formed about said cup inwardly of the periphery of said washer for retaining it with said sleeve in unitary sealing relation against the tension of said spring, inwardly extending arcuate lugs formed from the periphery of said cup conforming to and seatable in said arcuate recesses respectively for interlocking engagement therewith to prevent relative rotation therebetween, and an annular centering shoulder formed in the opposite end portion of said retaining cup to provide an annular seating and centering shoulder for said sleeve.

2,407,219

OPTICAL SYSTEM

Alva H. Bennett, Kenmore, N. Y., assignor by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association

Application December 2, 1943, Serial No. 512,569
5 Claims. (Cl. 88—57)



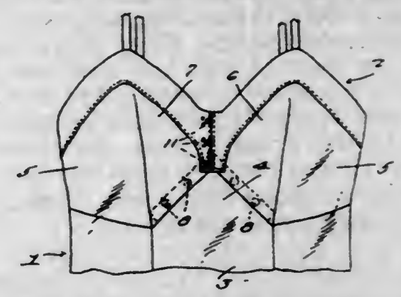
2. In a projection eyepiece for use as a projection ocular, an optical system comprising a singlet plano-convex field lens and a doublet eye lens, the primary image plane of said eyepiece falling between said field lens and said eye lens, the first order characteristics of the system being determined by a ratio between the focal length of said field lens and the focal length of said eyepiece of approximately 2.9 to 1, and a ratio between the focal length of said eye lens and the focal length of said eyepiece of approximately 0.96 to 1.

2,407,220

NURSING SLIP

Mary Alice Blocker, Jupiter, Fla.

Application December 14, 1943, Serial No. 514,260
2 Claims. (Cl. 2—73)



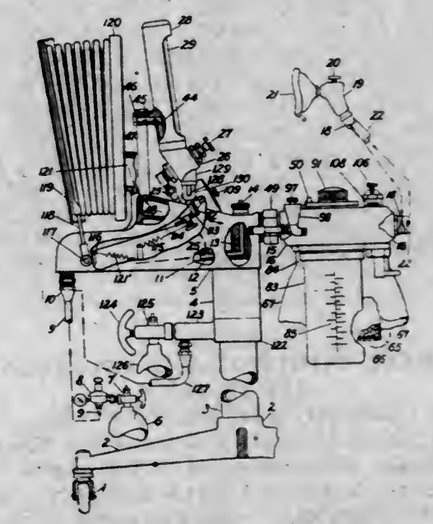
1. A slip comprising a body having a center front panel provided at the top with a projecting upper end of inverted V-shape, and a brassière permanently secured to the upper end of the body and having front pockets provided with downwardly diverging inclined edges at the inner sides thereof and adjacent and parallel with the inclined side edges of the projecting upper end of the center front panel, means separably connecting the inclined edges of the pockets to the adjacent inclined edges of the projecting upper end of the center front panel, said pockets having short vertical edges extending upwardly from the upper ends of the inclined edges thereof and above the upper end of the center front panel, and means to separably connect said short vertical edges together, substantially the inner half of each pocket being turnable outwardly upon release of said first and second-named means to facilitate nursing.

2,407,221

MULTIPLE PURPOSE GAS UNIT

John L. Bloomheart, Toledo, Ohio, assignor to Martha F. McKesson

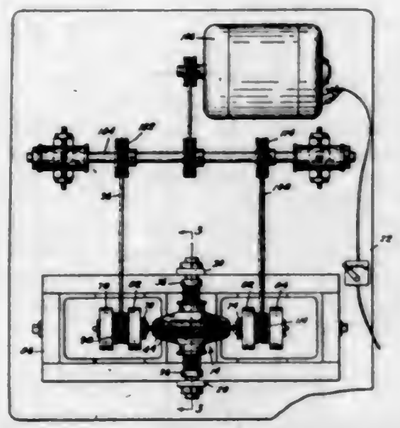
Application March 20, 1944, Serial No. 527,249
4 Claims. (Cl. 128—188)



1. Respiration equipment comprising a head, a manifold unit mounted on the head having a line of parallel intakes thereto, a common discharge

therefrom with an intermediate chamber, a panel provided with individually adjustable controls for gas supplies to the respective intakes for the manifold, a variable capacity gas receiver mounted with the head and in open communication at all times with the manifold chamber, an additional flow control body medially forward from the panel in the extent of the panel transversely of the head, said body being in communication with the manifold chamber by way of a passage thru the head, said body including a plurality of valve chambers, an absorber unit, and laterally therefrom, a vaporizer unit, each unit directly and independently upwardly connected to different chambers from the underside of the body to be there supported by the body, relatively movable valves in the body for the absorber and vaporizer units, a mask, and in addition to said relatively movable valves, a manually operable single way valve in the passage from the head to the body for restricting gas flow from the head to the body, and duct means extending from the said flow control body to the mask.

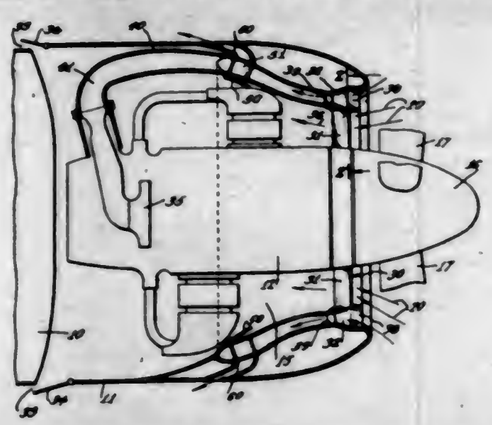
2,407,222
GRINDING MACHINE
Malcolm B. Boyce, Haverhill, Mass.
Application October 12, 1945, Serial No. 622,017
9 Claims. (Cl. 51—118)



9. In a grinding machine, a pair of rotary grinding members resiliently urged toward each other and having opposed annular grinding surfaces, and a pair of work holders adjacent the peripheries of said members and at diametrically opposite sides of said members, said work holders having mutually parallel axes spaced equally on opposite sides of the axis of said members, and each work holder being adapted to hold a work piece with a portion thereof projecting between and engaged by said grinding members, and means for rotating the work holders in opposite directions thereby to rotate said grinding members by the rotating work engaged between them.

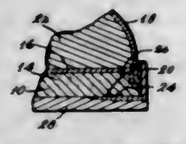
2,407,223
ENGINE COOLING AND CHARGING APPARATUS
Frank W. Caldwell, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 9, 1945, Serial No. 572,077
2 Claims. (Cl. 123—171)

1. In an aircraft having an engine, a fan driven from said engine, said fan having a plurality of concentric rows of blades, the blades being so formed that a plurality of concentric air streams substantially parallel to the axis of rotation of the fan are produced, means for delivering the inner and outer air streams directly to the engine for cooling its surface and for combustion,



the means for delivering the outer air stream including a conduit, a hollow intercooler positioned within the conduit, and means for diverting a portion of the inner air stream and passing it through the intercooler.

2,407,224
SHOE AND METHOD OF MAKING THE SAME
James D. Chandler, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 6, 1945, Serial No. 614,624
19 Claims. (Cl. 36—16)

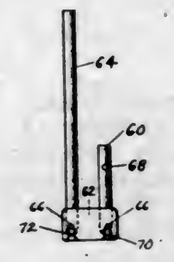


14. A shoe having, in combination, an upper, a platform sole having a reduced margin and a raised central portion, a sock lining covering said raised central portion, the margin of the upper being turned outwardly and overlying the reduced margin of the platform sole, a wrapper strip engaging the upper, a row of stitches securing the upper to the reduced margin of the platform sole, another row of stitches securing the wrapper strip and upper to the raised central portion of the sole, said wrapper strip being turned downwardly along the line of said last-named stitches and inwardly beneath the bottom surface of the platform sole, and an outsole attached to the inturned portion of the wrapper strip.

2,407,225
THERMOSETTING MOLDING POWDER FROM WHEAT, WOOD PITCH, AND RESIN, AND METHOD OF MAKING
Cletus L. Dixon, Chicago, Ill., assignor, by mesne assignments, to The Protectoseal Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 8, 1943, Serial No. 471,760
19 Claims. (Cl. 260—6)

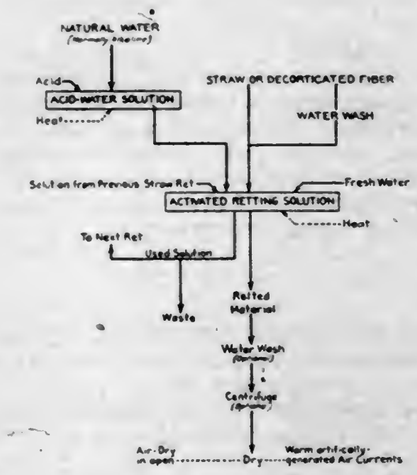
4. A molding powder adapted to be formed into articles by heat and pressure and characterized by good flowing properties in the mold, comprising an intimate mixture of wheat flour, extracted pine wood pitch having an acid number of about 93 and melting at approximately 115° C., and synthetic resin selected from the class consisting of phenol-formaldehyde resins and urea-formaldehyde resins; said flour being less than half the weight of said molding powder, and the combined weight of said pitch and said resin being approximately two-thirds the weight of said flour.

2,407,226
ANTIBUMPING DEVICE
George L. Doelling, St. Louis, Mo.
Application October 27, 1941, Serial No. 416,666
3 Claims. (Cl. 23—292)



1. In combination, a vaporizer and an antibumping device comprising an integral structure containing more than two chambers, within the vaporizer and in close proximity to the heating surface thereof, one chamber being sealed and extending above the others and connecting therewith by a discharge passage, said first chamber being without opening above the point of discharge, said other chambers being open at the bottoms thereof and each having a discharge opening thereabove but at sufficient distance below the top of the chambers to give a closed space above said discharge openings.

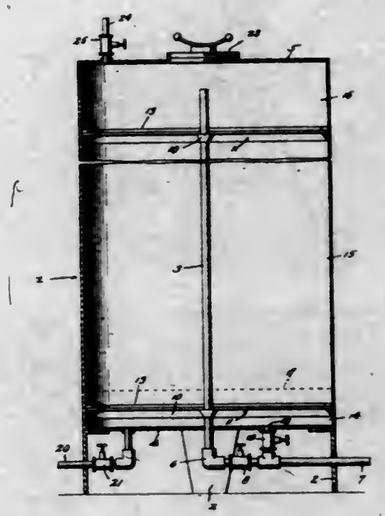
2,407,227
RETTING METHOD
Theodore Earle, Pacific Palisades, Calif.
Application November 12, 1943, Serial No. 510,072
2 Claims. (Cl. 195—8)



1. The method of retting flax and analogous fibrous plant material which consists of positively acidifying water to a degree approaching and slightly less than the acid concentration optimum for enzymic activity, adding thereto such amount of enzymically-active solution from a previous ret as will bring the acid concentration of the resulting mixture to said optimum value, heating said mixture to a temperature conducive to maximum enzymic action, steeping the material to be retted in said mixture at sustained elevated temperature, and removing the material from said mixture for termination of retting action when the acid concentration of the solution begins to decline.

2. The method of retting flax and analogous fibrous plant material which consists of positively acidifying water to a pH of approximately 6.6, adding thereto such amount of enzymically-active solution from a previous ret as will bring the pH of the resulting mixture to a value of approximately 6.3, heating said mixture to a temperature of approximately 91 degrees F., steeping the material to be retted in said mixture at sustained elevated temperature, noting the variation of mixture pH value during the retting operation, and removing the material from said mixture for termination of retting action when the acid concentration of the solution begins to decline.

2,407,228
WATER SOFTENER
Alexander R. Forsyth, Los Angeles, Calif.
Application December 7, 1943, Serial No. 513,272
3 Claims. (Cl. 210—24)

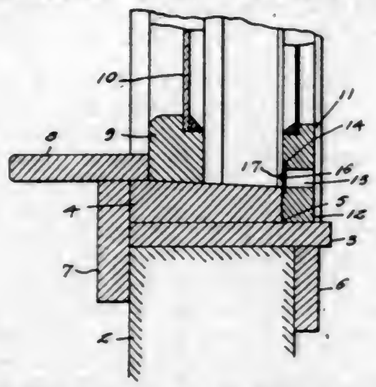


1. A water softener comprising a tank, vertically spaced perforated plates for the reception of a softening agent therebetween mounted in fixed position within said tank, a valve-controlled drain communicating directly with the bottom of the tank beneath said plates, a valve-controlled inlet pipe communicating directly with the bottom of the tank beneath said plates, means to supply water to the tank above said plates including a valve-controlled stand pipe connected to the inlet pipe and extending upwardly into the tank through the bottom thereof to a point adjacent the top of said tank, said stand pipe passing through the perforated plates, and a valve-controlled outlet pipe connected to the top of the tank.

2,407,229
WINDOW SCREEN DRAIN
Herman C. Freese, Houston, Tex.
Application May 11, 1945, Serial No. 593,279
3 Claims. (Cl. 160—44)

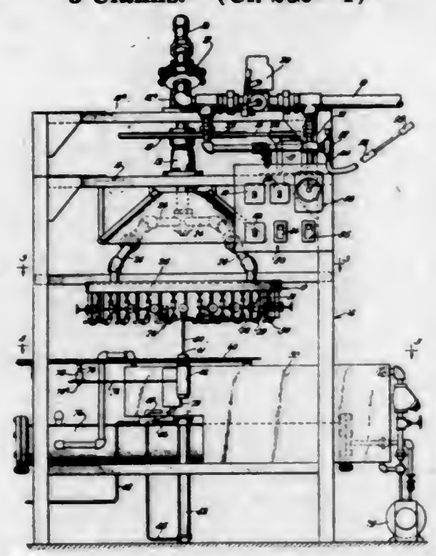
1. In a window screen drain the combination with a window casing including a ledge of lesser horizontal width than the thickness of the remaining casing and thereby defining a recess for

a screen fitted into the casing and seated with its lower end in the recess, a screened opening



in the lower board of the screen and having a bottom flush with the top surface of the ledge.

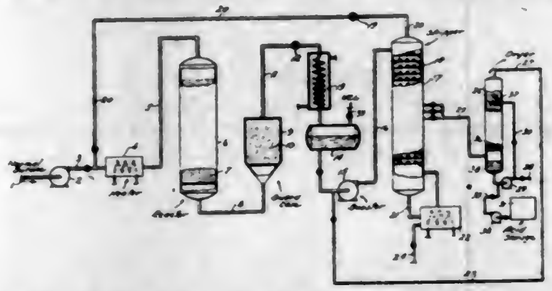
2,407,230
HEAT-TREATING APPARATUS
Ernst Albert Furkert, Chicago, Ill.
Application October 27, 1941, Serial No. 416,613
3 Claims. (Cl. 266—4)



1. Heat treating apparatus comprising a plurality of rotary burners arranged in positions for projecting flames into a zone located axially with respect to the orbit of the burners, means for rotating the burners, means for supplying fuel thereto during such rotation, vertically reciprocable means for supporting in said zone an article to be heated, means for reciprocating said supporting means between upper and lower positions, and article transferring means operable from a position remote from said supporting means for receiving an article to be heated and transferring the same into the path of movement of said supporting means intermediate said upper and lower positions thereof for delivery thereto upon movement of said supporting means from the lower to the upper position.

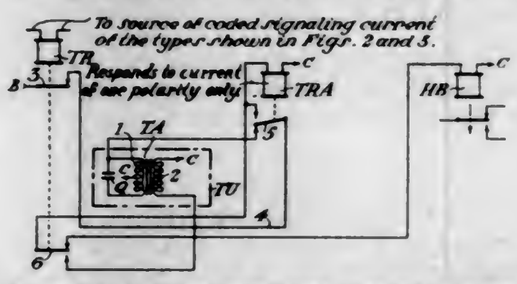
2,407,231
MOISTURE REMOVAL IN ISOMERIZATION PROCESSES
Lionel S. Galstaun, Oakland, Calif., assignor to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware
Application February 24, 1944, Serial No. 523,699
14 Claims. (Cl. 260—683.5)

1. A process of preventing corrosion which comprises: introducing a stream of liquid hydrocarbons containing dissolved hydrogen chloride and dissolved water into a corrodible stripper to flow downwardly therethrough under coordinated conditions of temperature and pressure sufficient to separate hydrogen chloride, withdrawing a



portion of said stream from a zone intermediate the ends of said stripper in which said water tends to separate in liquid form when unregulated, and regulating said temperature and pressure conditions to effect removal of water in said portion while in solution in said hydrocarbons.

2,407,232
IMPULSE ACTUATED TIMING MEANS
Chalmers W. Gilbert, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 14, 1943, Serial No. 494,753
4 Claims. (Cl. 175—320)



1. Impulse actuated timing means comprising a relay which will respond to current of one polarity only, an oscillating circuit, means for at times setting up oscillations in said circuit, and means for supplying said relay with an oscillating current in response to the oscillations set up in said circuit, said circuit being highly damped and said means being connected with said relay in such manner and the parts being so proportioned that said relay will pick up and again release in response to the first half cycle of said current and will thereafter remain released.

2,407,233
INSULATED WIRE STRIPPING DEVICE
John J. Greer, Conimicut, and Albert Luongo, Wickford, R. I.
Application February 21, 1944, Serial No. 523,378
6 Claims. (Cl. 81—9.5)



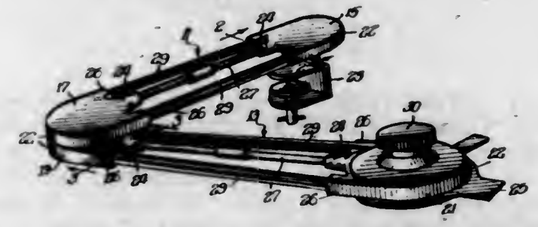
1. An insulating wire stripping device comprising a pair of members, means to pivotally relate said members, said members providing handle portions at one of their ends and cutting jaws at their other ends, said jaws being notched to receive the wire while cutting the insulation there-

about, a wire positioning means having a portion located on the side of the jaws away from the pivot means and provided with a guide substantially in line with the cutting jaws when the latter are in closed position to direct the wire into the jaws toward the pivot means, and means to pivotally mount said positioning means on said pivotal means said jaws being movable relative to said positioning means.

2,407,234
ELECTROMAGNETIC PRODUCT AND PROCESS OF MAKING THE SAME
Robert G. Guthrie and John Chumasero, Chicago, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
No Drawing. Application May 31, 1941, Serial No. 396,180
2 Claims. (Cl. 75—22)

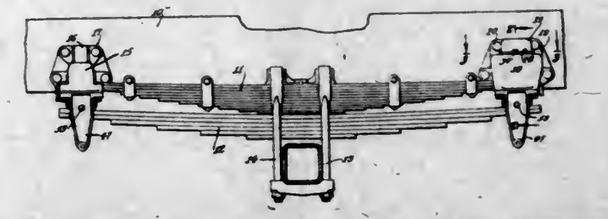
1. A method for producing a high permeability sintered core structure for an electromagnet with a minimum of further metal working being required which comprises employing material in powdered form, the composition of said powder substantially comprising equal portions of iron and nickel and 2 to 3 per cent of the group consisting of molybdenum and chromium, molding the powdered material to the desired shape, and sintering the same by the application of pressure and heat until the saturation point is high, the initial permeability is over 2,000, the maximum permeability is over 10,000, the coercive force is less than 0.250 oersted, and the residual flux density is less than 4,000 gausses.

2,407,235
DRAFTING MACHINE
Laban Richard Halstead, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware
Application October 12, 1942, Serial No. 461,688
4 Claims. (Cl. 33—79)



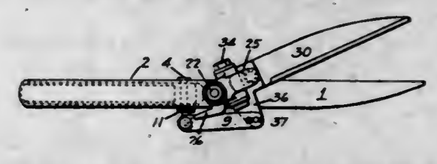
2. In parallel motion apparatus comprising an arm having a pair of spaced heads, a turnable member in each head, a driving member interconnecting said turnable members, said driving member including a portion extending between said heads, the combination of a detachable cover extending between and attached at its opposite ends on said spaced heads in position enclosing the driving member between said heads, said cover comprising a resilient shell of sheet metal having a pair of spaced walls, at least one of which is formed with an outwardly pressed flute extending substantially throughout the length of the cover for strengthening the same, said flute being disposed between the opposite sides of the wall in which it is formed, said heads having each a socket for receiving the opposed ends of said cover, one of the said sockets comprising a lateral open slot having opposing walls and a closed bottom, and a longitudinal groove in a wall of the slot in position between the bottom and the open side of the slot, whereby the end of the cover may be assembled in the slot through said open side, by compressing the opposed walls of the cover, the resilience of which, after assembled, serves to yieldingly press the walls of the cover apart in said slot and interlock the flute in said groove to retain the cover in the slot.

2,407,236
RUBBER SPRING MOUNTING
John W. Heiney, Allentown, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application March 16, 1944, Serial No. 526,666
10 Claims. (Cl. 267—56)



1. A yielding non-metallic connection between a spring and vehicle frame comprising a housing mounted on the frame, a spring adapted to be connected to the frame, a recess in the housing forming a seat, openings in the housing on opposite sides of the recess, a cover adapted to be secured over the recess and providing sides for said openings, an end portion of said spring extending through said openings, a block of yielding non-metallic material in the seat, means to secure the block to the spring end portion and a lug on the free end of said end portion of said spring overlapping the adjacent outer face of said cover in spaced relation thereto and constituting limiting means for limiting the retraction of said end portion from said housing.

2,407,237
SHEARS
David Howard Keiser, Jr., West Lawn, Pa.
Application January 25, 1945, Serial No. 574,507
7 Claims. (Cl. 30—248)

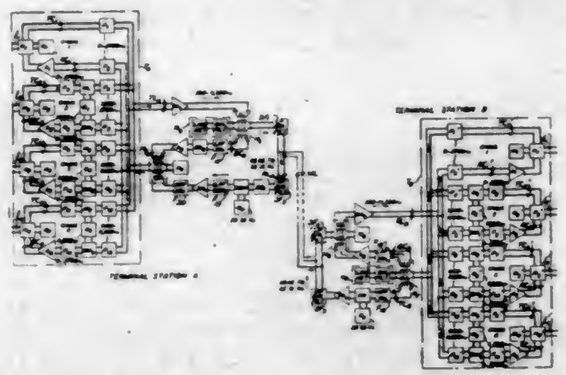


3. In shears having a pair of pivotally connected blades relatively movable in parallel cutting relation, one of said blades having a separate cutting-end portion beyond its pivotally connected portion to the other blade, pivotally connected to the latter portion for independent pivotal movement of said cutting end portion transversely to its cooperative cutting movement with the other blade, and spring means for normally maintaining said blades in cooperating cutting engagement.

2,407,238
CARRIER COMMUNICATION SYSTEM
Leonard G. Abraham, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 9, 1944, Serial No. 548,731
10 Claims. (Cl. 179—15)

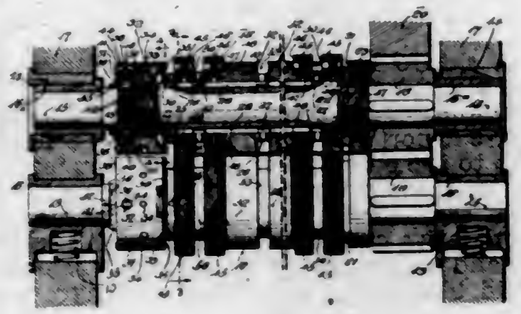
1. In a multiplex communication system, two terminal stations, a two-way, two-wire line connecting said stations, means at one station for providing a plurality of low frequency carrier communication channels for transmission to the

other station, means at said other station for providing a plurality of higher frequency carrier communication channels for transmission to said one station, a low-pass directional filtering means and a high-pass directional filter means at said one station for respectively supplying the outgoing low frequency carrier channels to said line and receiving the incoming higher frequency carrier channels from said line, another low-pass directional filtering means and another high-pass directional filtering means at said other station



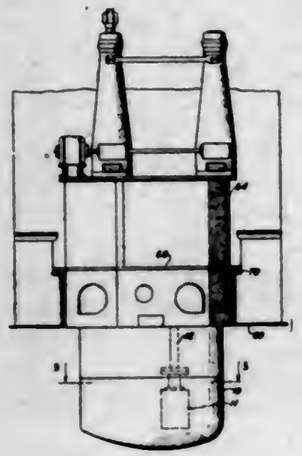
for respectively selecting the incoming low frequency carrier channels from said line and supplying the outgoing higher frequency carrier channels to said line, means at each station for separately supplying an outgoing voice frequency communication channel through the low-pass filtering means thereat to said line for transmission thereover, and means at each station connected to the drop side of the low-pass directional filtering means at that station, for selectively receiving the voice frequency channel incoming over said line.

2,407,239
FRICTION DRIVE FOR WEB PROPELLING ROLLERS
Alexander J. Albrecht, West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application October 9, 1942, Serial No. 461,477
5 Claims. (Cl. 271—2.3)



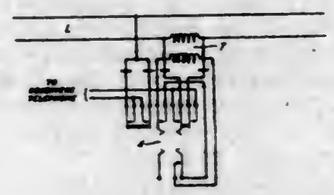
1. In a material propelling roller for printing or folding machines, a rotatable shaft, a rotary material engaging member supported by and rotatable with the shaft, a sleeve rotatable with the shaft and having a friction face, a driven member rotatable about the sleeve and having a friction surface, a friction collar supported relative to and rotatable with the shaft and movable in the direction of the axis of the shaft, an adjusting member supported relative to the shaft and movable in the direction of the axis of the shaft, and a flat spring ring normally disposed entirely in a plane perpendicular to the axis of the material engaging member and surrounding the shaft and operably interposed between the adjusting member and the collar whereby axial movement of the adjusting member causes the spring ring to bias the collar for movement towards the said friction face to thereby press the driven member between the collar and the friction face and yieldingly drive the material engaging member when the driven member is rotated, the adjusting member engaging the spring to constantly bias the spring against the collar and the degree of constant bias of the spring against the collar being determined by the degree of adjusting movement of the adjusting member.

2,407,240
PROJECTING AND RETRACTING MECHANISM FOR UNDERWATER SIGNAL SOURCES
Charles C. Barber, Rockville Centre, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 18, 1943, Serial No. 514,778
13 Claims. (Cl. 116—27)



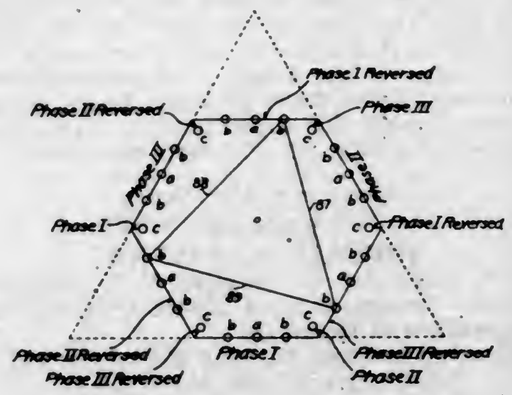
1. In combination, in an under-water sound system, apparatus for mounting on a ship having an opening below its water line and for transmitting sound waves into the water and receiving sound waves from the water, a housing for said apparatus, said housing having an opening at one end and allowing said apparatus to move interiorly thereof such that said apparatus is capable of being lowered into the water through said one housing opening and of being retracted from the water through said one housing opening, said housing having said one end mounted on said ship at said ship's opening such that said housing opening aligns substantially with said ship opening and such that said housing projects interiorly of said ship, means positioned horizontally in the interior of said housing and capable of lowering and raising movements interiorly of said housing for supporting said apparatus in said housing and imparting corresponding lowering and raising movements to said apparatus, means for actuating said supporting means in said lowering and raising movements and thereby lowering said apparatus into the water and retracting said apparatus from the water respectively, and adjustable means interposed between said housing and said supporting means for maintaining the horizontal position of said supporting means in the interior of said housing.

2,407,241
MONITORING SYSTEM
Henry M. Bascom, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 9, 1944, Serial No. 548,666
6 Claims. (Cl. 179—51)



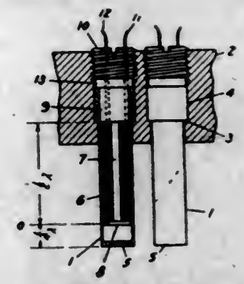
1. In a monitoring system, a line, telephone stations at each end thereof for transmitting voice frequency currents thereover in either direction, a monitoring position intermediate said stations, a telephone set at said position, and splitting means including a pair of selective switches controlled at said position for simultaneously preventing transmission of voice currents between said stations and for selectively connecting said telephone set to said line for communicating with either of said stations to the exclusion of the other, said splitting means also comprising a multiwound inductance coil having at least one winding in series with said line and one winding normally short-circuited and adapted to be open-circuited in response to operation of either of said switches.

2,407,242
ELECTRICAL APPARATUS
Laurence Batchelder, Cambridge, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application April 1, 1933, Serial No. 663,963
10 Claims. (Cl. 177—386)



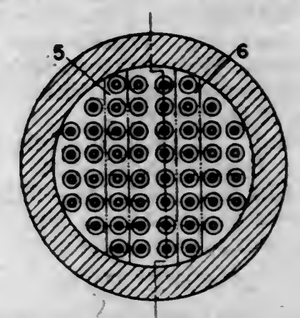
1. In a system for producing a controllable beam of radiated wave energy, a beam radiator, a power distribution source having terminal taps with voltage phases between taps forming a voltage vector diagram of substantially a regular polygon, a plurality of loads formed with branches having input terminals symmetrically connected about the terminal taps of the power distribution source, said loads comprising in one branch the load of the beam radiator and in the other branches loads each 120 degrees out of phase with the first load and each other.

2,407,243
MAGNETOSTRICTION OSCILLATOR
Laurence Batchelder, Cambridge, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application July 27, 1933, Serial No. 682,420
8 Claims. (Cl. 177—386)



1. A magnetostriction oscillator comprising a heavy plate element, a magnetostriction tube having one end positioned in said plate, means provided in said plate and at the end of said tube whereby said tube may be clamped rigidly to said plate, an electromagnetic exciting coil within said tube and having pole faces for providing electric flux between the clamped portion of said tube and a portion adapted to be a half wave length at the frequency at which the oscillator is vibrated, said tube extending beyond the point at which the flux is applied and means providing a cap at the end of said tube.

2,407,244
APPARATUS FOR SUBMARINE SIGNALING
Laurence Batchelder, Cambridge, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application August 2, 1939, Serial No. 287,974
6 Claims. (Cl. 177—386)

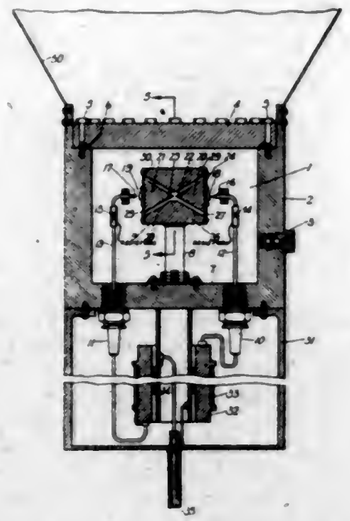


1. A compressional wave sending and/or receiving device having a circular radiating and/or receiving surface of diameter larger than the wave length of the compressional waves in the signaling medium at the signaling frequency and means when sending for vibrating said surface and when receiving for producing electrical response to motion of the surface, said vibrations and said response having an amplitude uniform along any chord parallel to a diameter of the surface but varying along any line perpendicular to said diameter, said amplitude variation being symmetrical with respect to said diameter.

2,407,245
ELECTRICAL APPARATUS
Hugo Benioff, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application April 30, 1941, Serial No. 391,153
4 Claims. (Cl. 250—17)

1. An ultra-high frequency electromagnetic spark oscillator comprising two opposed spark-

ing points, a conical conductive member supporting one of said points and a conical conductor shell surrounding and having a surface parallel to and spaced from said conical member support-



ing the other of said points, said points being closer together than the shell and the conductive member whereby the spark takes place between the sparking points and an insulating disc supporting said conical member to said shell.

2,407,246

FLUORO-CHLORO HYDROCARBONS AND PROCESSES OF MAKING THEM

Anthony F. Benning, Woodstown, N. J., and Joseph D. Park, Wilmington, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application July 16, 1943, Serial No. 495,074

6 Claims. (Cl. 260—653)

3. The process of producing the compounds of claim 4 which comprises contacting

$$CF_3CHClCH_2CF_3$$

with elementary chlorine in the vapor phase in light.

4. The compounds represented by the formula $CF_3CXClCCl_2CF_3$, in which X is one of the group consisting of H and Cl.

2,407,247

BONDED ADSORBENT

Southwick W. Briggs, Washington, D. C.

No Drawing. Application November 19, 1940, Serial No. 366,304

4 Claims. (Cl. 252—269)

1. A method of forming an adsorbent body having an increased wet strength comprising forming a mixture of particles of a material having submicroscopic pores and adapted to serve as an adsorbent, ferric oxide, a basic acting material and sodium silicate, and reacting the sodium silicate with the basic acting material and ferric oxide to form a bond for the particles of adsorbent material, the incorporation of the ferric oxide in the bond serving to increase the wet strength of the bond.

2,407,248

METHOD FOR STABILIZING A POLYMERIZED ROSIN AND POLYMERIZED ROSIN ESTER

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 26, 1942, Serial No. 448,625

7 Claims. (Cl. 260—103)

1. The method of stabilizing a material selected from the group consisting of polymerized rosin and polymerized rosin esters which comprises contacting the material with from about one to about ten per cent of sulfur, based upon the weight of said material, at a temperature between about 150° and about 350° C. until the bromine number of the material has become reduced to below about 75 without a decrease in its melting point.

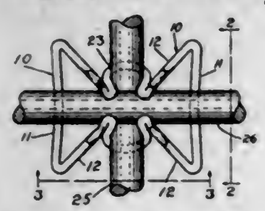
2,407,249

CHAIR TIE FOR REINFORCING RODS

Bingham F. Burner, Arlington, Va., and Lloyd A. Brooke, Washington, D. C.

Application January 17, 1945, Serial No. 573,200

17 Claims. (Cl. 72—122)



1. A rod chair-tie for supporting reinforcing rods at crossings, comprising a pair of substantially triangular leg members each having a supporting base portion and converging side portions, said side portions being spaced apart at their convergent ends, a pair of rod supporting saddle loop members each including side portions and a connecting yoke portion at one end, the side portions of the loop members being joined at their other ends with two adjacent side portions of the two leg members, the convergent ends of the side portions of each leg member being spaced apart a distance less than the diameter of a reinforcing rod, and the said upper ends of the side portions of the saddle loop members being bowed inwardly to form pressure knees designed for contact with the upper part of a reinforcing rod extending between the loop members.

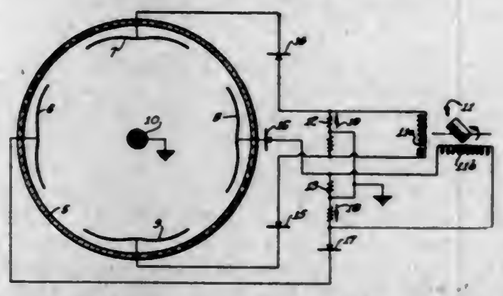
2,407,250

DIRECTIVE ANTENNA

Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware

Application October 30, 1941, Serial No. 417,152

10 Claims. (Cl. 250—11)



7. A directionally responsive antenna system comprising an antenna for translating electro-

magnetic waves, a reflector for said waves disposed adjacent said antenna, said reflector comprising an envelope of non-conductive material, ionizable means within said envelope, a plurality of opposed pairs of electrodes within said envelope for ionizing said ionizable means to produce an ionized path, and means for successively energizing said electrodes in a predetermined sequence whereby the configuration of said path is varied to change the directivity of said antenna system.

2,407,251

RESISTOR

Howard Christensen, Long Island City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 28, 1941, Serial No. 400,341

5 Claims. (Cl. 201—63)



1. A disc of resistive material indented to form four arms and four intervening projections, conductive material on the faces of said projections extending to the vertical faces of the adjacent arms, and electrical connectors on said projections in contact with said material.

2,407,252

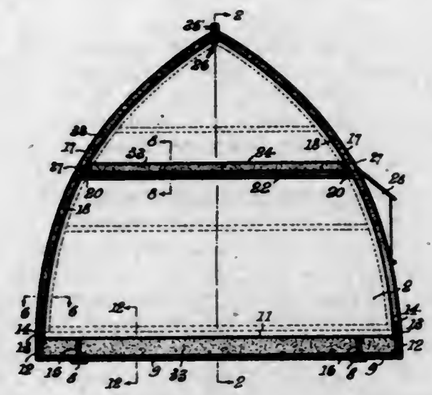
PREFABRICATED BUILDING

Edwin R. Closs, United States Army, Camp Swift, Tex.

Application October 22, 1943, Serial No. 507,252

6 Claims. (Cl. 20—2)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A building structure including a floor, dual wall and roof panel units, each of said units comprising inner and outer shells formed on similar curves and extending upwardly from said floor, a ridge member uniting the upper ends of the units together and including complemental portions mounted on the upper ends of said units, said portions having upstanding extensions and curved tongues extending outwardly and downwardly adjacent to the lower ends of the extensions, said tongues fitted between the upper ends of said shells and adhesively united to the inner faces thereof and said extensions having parallel confronting faces adhesively united.

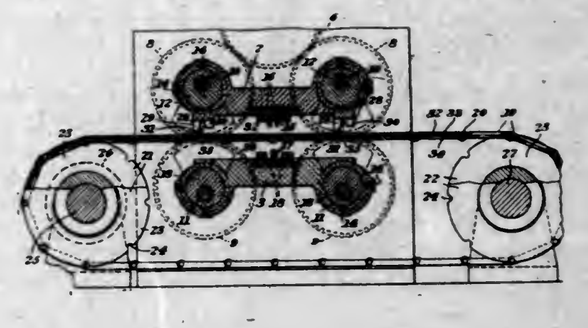
2,407,253

FORMING MACHINE

Guy O. Conner, Wheeling, W. Va.

Application October 28, 1943, Serial No. 507,937

31 Claims. (Cl. 164—20)



1. A forming machine comprising opposed cooperating forming heads each mounted for generally rotary movement while being guided so as to maintain substantially fixed orientation, said heads during operation of the machine moving toward and away from each other and when closest together moving also laterally generally in the same direction, work guiding means separate from said heads and movable therebetween and means on one of said heads for embracing a portion of said work guiding means to insure movement of said work guiding means laterally with said heads at the time said heads are closest together.

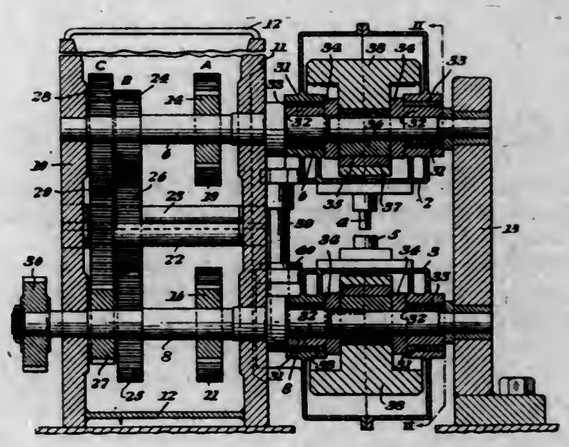
2,407,254

FORMING MACHINE

Guy O. Conner, Cleveland Heights, Ohio

Application February 23, 1945, Serial No. 579,405

32 Claims. (Cl. 164—86)

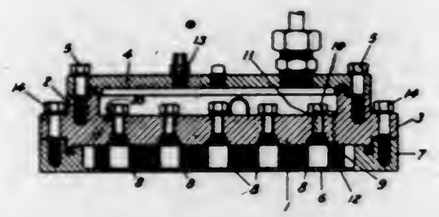


1. A forming machine comprising opposed heads for operating on work positioned therebetween and which relatively move toward and away from each other and when closest together move laterally generally in the same direction, a plurality of parallel shafts on which one of the heads is mounted, eccentric means on said shafts carrying said head to impart the desired movement to said head upon rotation of said shafts, a counterweight also mounted on said shafts and eccentric means on said shafts carrying said counterweight.

2,407,255
DUST COLLECTING COMPOSITION AND METHOD
Martin Eli Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application June 7, 1940, Serial No. 339,331, now Patent No. 2,347,031, dated April 18, 1944. Divided and this application September 3, 1943, Serial No. 501,132
8 Claims. (Cl. 252—88)

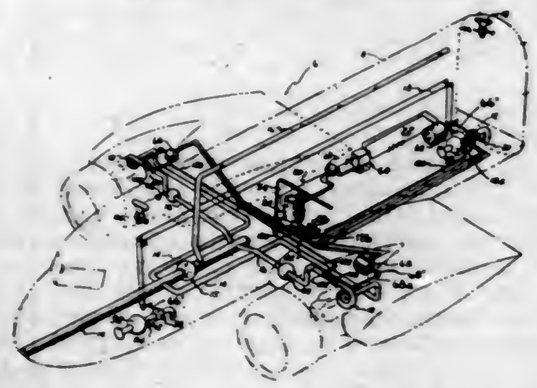
1. In air conditioning the method of removing dust which comprises contacting dust-laden air with a water-soluble, substantially non-volatile liquid consisting essentially of an ammonium salt of an acid ester of a polybasic inorganic oxyacid and a polyhydroxy aliphatic compound, and water in proportions such that the liquid has a viscosity between about 20 poises and 80 poises at 25° C.

2,407,256
SUBMARINE SIGNALING APPARATUS
Edwin Bertram Dallin, Arlington Heights, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application June 15, 1933, Serial No. 675,883
8 Claims. (Cl. 177—386)



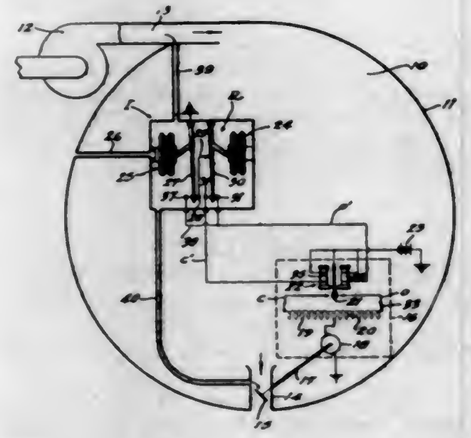
4. A magnetostrictive oscillator comprising a casing having a diaphragm formed at one end thereof, means providing a heavy plate within said casing, a plurality of magnetostrictive tubes, means rigidly securing one end of each of said tubes to the diaphragm and means detachably and rigidly securing the other ends thereof to said plate.

2,407,257
REGULATING MEANS FOR PRESSURE CABINS
Bruce E. Del Mar, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Continuation of application Serial No. 285,216, July 18, 1939. This application February 7, 1942, Serial No. 429,901
14 Claims. (Cl. 98—1.5)



7. In pressure regulating means for a pressurized aircraft cabin, the combination of: air-flow means for circulating a flow of air under pressure through the cabin and including pressurizing inlet means, outlet means, valve means for controlling said flow, and pressure sensitive regulator means for controlling said valve means and thereby controlling the pressure in the cabin; and anticipating control means including a Pitot tube and a venturi disposed in said inlet and outlet means respectively and sensitive to transient changes in differential between quantities of flow in said inlet and outlet means respectively, adapted to produce in said regulator means a response to said transient changes before any substantial change in the pressure of the cabin atmosphere can occur as a result of said transient changes.

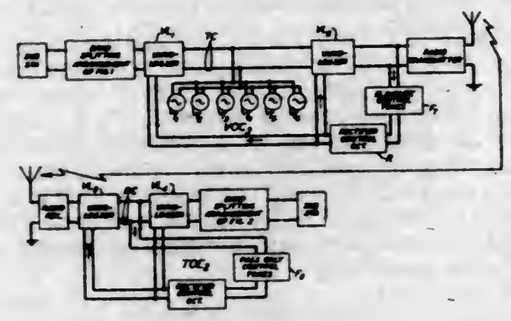
2,407,258
CONTROL FOR PRESSURE CABINS
Bruce E. Del Mar, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application June 6, 1942, Serial No. 446,039
31 Claims. (Cl. 98—1.5)



20. In pressure regulating means for a pressurized aircraft cabin, the combination of: blower means for supplying air to said cabin at a pressure higher than that of the ambient flight atmosphere; an outlet from said cabin; a regulating device for controlling cabin pressure with respect to flight pressure; and means for increasing the rapidity of regulator response to trends of cabin pressure variations, said means comprising a conduit connecting the regulator with a region within the blower air delivery adjacent to the blower wherein the air flow pressure is higher than cabin pressure, and a conduit connecting the regulator with a region adjacent the cabin outlet wherein the air flow pressure is lower than cabin pressure, whereby pressure fluctuations at the blower and cabin outlet are transmitted directly to the regulator.

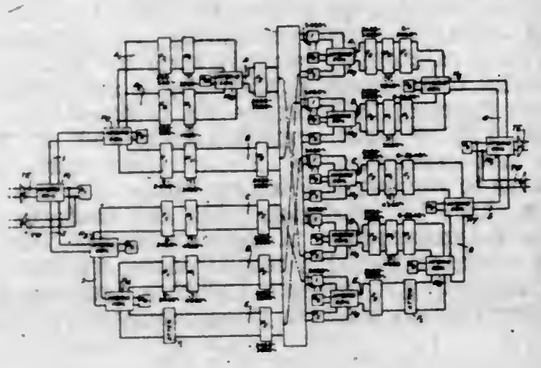
2,407,259
TRANSMISSION CONTROL IN SIGNALING SYSTEMS
Alton C. Dickieson, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 9, 1941, Serial No. 401,596
10 Claims. (Cl. 178—44)

1. A signal wave transmission system comprising a transmitting station and a receiving station connected by a variable transmission medium, said transmitting station including means to transform a signal wave comprising a band of frequency components into a plurality of different frequency subbands the frequencies of which respectively represent the component frequencies in different frequency ranges within said band of signal frequencies, said subbands being slightly separated from each other in the frequency spectrum and means to combine and transmit to said medium said subbands along with a plurality of fixed input amplitude tone waves of different frequencies spaced between



those of said subbands, said receiving station including means controlled by the tone waves received over said medium from the transmitting station for inserting in the path of the received signal waves a loss varying in accordance with the summation of the amplitudes of the received tone waves to compensate for the effect of variations in said medium on the transmitted signal waves, means to separate the signal subbands in the compensated wave, and means for producing transformations in said subbands which are the reverse of those at the transmitting station to reproduce the original signal wave.

2,407,260
PRIVACY SYSTEM
Alton C. Dickieson, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 19, 1941, Serial No. 403,098
8 Claims. (Cl. 179—1.5)



1. The method of transmitting a message with privacy which consists in deriving from a message wave having a band of frequency components, a plurality of frequency subbands having the same frequency limits but the frequencies in each subband representing respectively different frequency ranges in the original message band, and with the frequencies in the two halves of the subband corresponding to that frequency range in the original message band having the greatest amount of intelligibility inverted with respect to each other, interchanging said subbands among several circuits, and transmitting the interchanged subbands.

2,407,261
PROCESS FOR STABILIZING OR DEACTIVATING SLUDGES, PRECIPITATES, AND RESIDUES OCCURRING OR USED IN THE MANUFACTURE OF TETRAALKYL LEADS
Frederick B. Downing, Penns Grove, N. J., and Adrian L. Linch, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 16, 1942, Serial No. 458,578
9 Claims. (Cl. 260—437)

2. The process of inhibiting spontaneous ignition of tetraethyl lead adsorbed on sludges which are precipitated from crude steam distilled tetraethyl lead and which sludges normally tend to cause spontaneous ignition of the tetraethyl lead adsorbed thereon upon exposure to oxygen, which comprises incorporating with such sludges an aqueous solution of a compound of the class consisting of alkali metal and ammonium monosulfides, polysulfides and sulfhydrates.

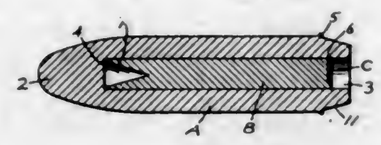
2,407,262
PROCESS FOR STABILIZING OR DEACTIVATING SLUDGES, PRECIPITATES, AND RESIDUES OCCURRING OR USED IN THE MANUFACTURE OF TETRAALKYL LEADS
Adrian L. Linch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 16, 1942, Serial No. 458,579
8 Claims. (Cl. 260—437)

1. The process for inhibiting the spontaneous ignition of tetraalkyl lead compounds adsorbed on sludges which are precipitated from crude tetraalkyl lead compounds and which sludges normally tend to cause spontaneous ignition of the tetraalkyl lead compounds adsorbed thereon when exposed to oxygen, which comprises incorporating with such sludges a phenol containing at least one substituent of the group consisting of hydroxy, alkoxy, carboxy, aldehyde, ketone, nitro, nitroso and ester groups attached to ring carbon atoms and which otherwise consists of carbon, hydrogen and oxygen.

2,407,263
PROCESS FOR STABILIZING OR DEACTIVATING SLUDGES, PRECIPITATES, AND RESIDUES OCCURRING OR USED IN THE MANUFACTURE OF TETRAALKYL LEADS
Adrian L. Linch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 16, 1942, Serial No. 458,582
8 Claims. (Cl. 260—437)

1. The process for inhibiting the spontaneous ignition of tetraalkyl lead compounds adsorbed on sludges which are precipitated from crude tetraalkyl lead compounds and which sludges normally tend to cause spontaneous ignition of the tetraalkyl lead compounds adsorbed thereon when exposed to oxygen, which comprises incorporating with such sludges a compound of the group consisting of oil soluble copper salts of carboxylic acids and oil soluble iron salts of carboxylic acids.

2,407,264
PROJECTILE
Clyde B. Ferrel, San Francisco, Calif., assignor to Ferrel Industries, Inc., Reno, Nev., a corporation of Nevada
Application October 20, 1942, Serial No. 462,700
3 Claims. (Cl. 102—99)



3. A projectile of the class described comprising, a cylindrical body portion terminating in a pointed forward end, an elongated chamber formed within the projectile, open at the rear and terminating in a flat face adjacent the forward end, a molded compressed wave producing propelling explosive detonating charge filling the major portion of the chamber, a primary explosive detonating charge disposed in contact and rearwardly thereof, means for sealing and retaining both charges within the chamber, and a cone-shaped chamber formed in the forward end of the molded compressed charge to concentrate and direct the said propelling waves produced by detonation against the flat face at the forward end of the chamber in unison with a detonation wave produced by detonation of the explosive detonating charges.

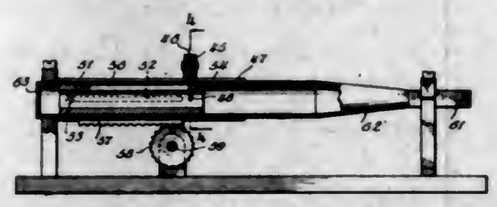
2,407,265
COPPER COMPOUNDS OF MERCAPTANS DERIVED FROM TERPENES AND PROCESSES OF PRODUCING THEM
Arthur L. Fox, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1942, Serial No. 440,253
15 Claims. (Cl. 260—438)

1. In the process for preparing copper compounds of mercaptans derived from terpenes the steps which comprise heating the terpene with sulfur at temperatures sufficient to cause the formation of a terpene-sulfur complex, reducing this complex by reacting it with hydrogen under pressure in the presence of a hydrogenation catalyst to form the mercaptan and reacting the resulting mercaptan derived from the terpene with a copper salt.

2,407,266
COPPER COMPOUNDS OF MERCAPTANS DERIVED FROM PINENE
Arthur L. Fox, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1942, Serial No. 440,255
4 Claims. (Cl. 260—438)

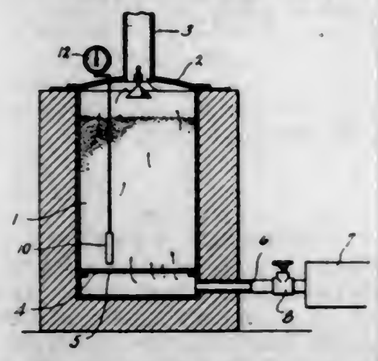
1. The copper compound of a mercaptan derived from a pinene which compound is obtained by reacting a mercaptan derived from the pinene by the introduction of an —SH group into the pinene with a cuprous salt in the presence of a reducing agent capable of maintaining the copper salt in the cuprous state.

2,407,267
ULTRA HIGH FREQUENCY ATTENUATOR
Edward L. Ginzton, Wantagh, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 5, 1943, Serial No. 478,163
13 Claims. (Cl. 178—44)



12. An ultra high frequency device comprising an elongated hollow conductive member, conductive means extending along said member for reducing the cross-section thereof, high frequency energy coupling means at a predetermined point of said member, further high frequency coupling means coupled to said conductive means, and means for longitudinally adjusting said further coupling means and said conductive means relative to one another.

2,407,268
METHOD OF CALCINING COAL FOR PRODUCTION OF AN ACTIVATED PRIMARY CARBON
Worth C. Goss, Seattle, Wash., assignor to William A. Carlisle, Jr.
Application November 22, 1943, Serial No. 511,380
4 Claims. (Cl. 202—20)

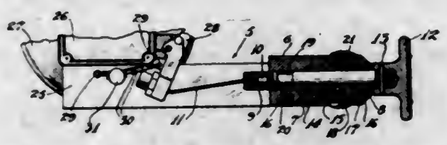


1. The method of calcining coal, comprising granulating the coal to a degree of fineness that it passes through an 8-inch screen and is retained by a 20-mesh screen confining the granulated coal in a calcining chamber, then subjecting the material by a direct application of super-heated steam thereto, to increase its temperature between 214° F. and approximately 450° F. at a rate not exceeding 25° F. per hour, then continuing to increase its temperature at a rate not to exceed 9° F. per hour until the material attains a temperature of approximately 770° F., then maintaining this temperature constant for approximately four hours, and then increasing its temperature to that for final calcination.

2,407,269
ACTUATOR
Theodore Norrison Hannant, Cedar Grove, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application January 12, 1944, Serial No. 517,923
5 Claims. (Cl. 74—502)

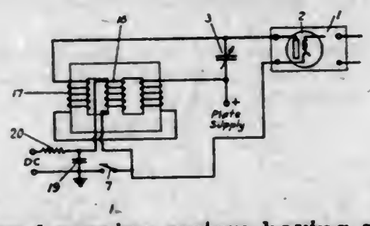
1. In combination, control means including a movable arm biased in one direction, a flexible element connected to said arm, a rotatively and

axially movable shaft, a swivel connection between said element and one end of said shaft, said shaft having a peripheral groove one side of which next to said element constitutes an annular shoulder and the other side of which constitutes an abutment of less than complete annularity by an amount substantially as defined by a peripherally narrow flat surface of said shaft flush with the bottom of said groove and extending from said groove toward the other end of said shaft, a handle at said other end, a bearing for said shaft, a stationary stop in said bearing cooperating with said flat surface to prevent rotation of said shaft in initial position and until said shaft is moved axially from such position by a pull on said handle against said bias to a position in which said shoulder engages said stop,



and a detent in said bearing maintained by said shaft in retracted position until engagement of said stop by said shoulder at which point the detent is movable into said groove for cooperation with said abutment, said shaft operating under said bias when said handle is released to be disengaged from said stop and to cause said abutment to engage said detent, partial rotation of said shaft causing said abutment to disengage said detent and providing for axial movement of said shaft to place said detent on said flat surface and said abutment against said stop, and further partial rotation of said shaft moving said detent to retracted position and placing said flat surface in line with said stop for axial movement of said shaft under said bias to initial position.

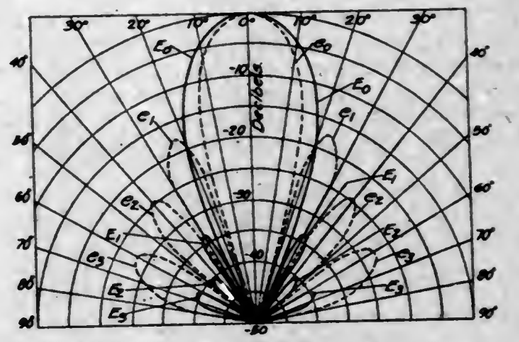
2,407,270
SUBMARINE SIGNALING
Bertram M. Harrison, Newton Highlands, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application September 23, 1938, Serial No. 231,391
1 Claim. (Cl. 250—36)



In a sound ranging system having a driver including an oscillator tube, means for varying the frequency of the oscillator comprising a tuning inductance in the oscillator plate circuit, a magnetic core for said inductance, a coil wound on said core, a condenser and means for discharging said condenser through said coil.

2,407,271
APPARATUS FOR SUBMARINE SIGNALING
Harold M. Hart, Cambridge, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application July 22, 1939, Serial No. 285,902
4 Claims. (Cl. 177—386)

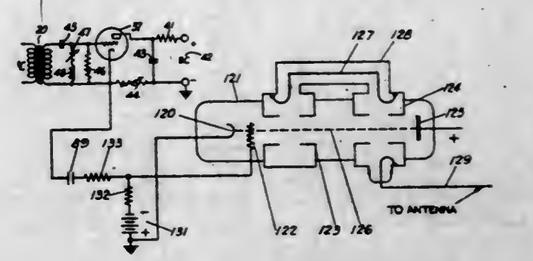
4. A device for producing a beam of compressional waves having a radiating member with a continuous finite radiating surface of a dimension greater than the wave length of the compressional waves in the signaling medium at the signaling frequency and means for vibrating said surface with amplitudes varying progressively over the surface from the center to the edges with the



maximum amplitude at the center, said amplitude variation being in accordance with the equation

$$A_r = A_0 \frac{7 - 12\frac{r^2}{a^2} + 6\frac{r^4}{a^4}}{7}$$

2,407,272
METHOD AND APPARATUS FOR RADIO RANGING
Harold M. Hart, Cambridge, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application March 20, 1941, Serial No. 384,353
4 Claims. (Cl. 315—3)

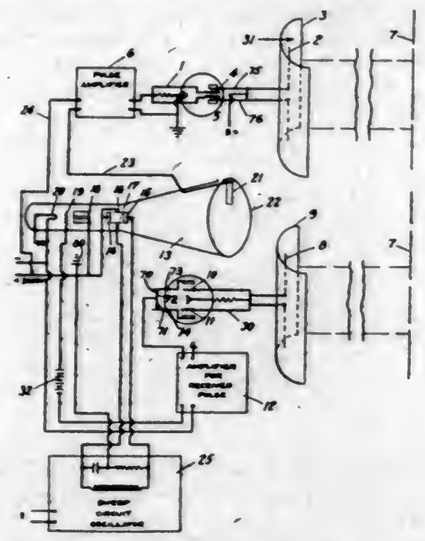


2. A circuit for periodically producing electric impulses including a grid-controlled gaseous discharge tube, means periodically applying to the tube potentials for making the tube alternately conductive and non-conductive, a condenser connected in the discharge path of said tube and adapted to be discharged through said tube and means for charging said condenser only while said discharge tube is non-conductive.

2,407,273
METHOD AND MEANS FOR DISTANCE AND DIRECTION FINDING
Robert W. Hart, Lynn, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application March 5, 1935, Serial No. 9,459
9 Claims. (Cl. 250—1)

1. Means for measuring distance by means of electromagnetic waves which comprises means for transmitting high frequency electromagnetic waves of approximately one meter, means for controlling the emission of said electromagnetic waves at definite time intervals including an electron beam, means for receiving said impulses after reflection from the surface whose distance is to be measured, means for causing the received im-

pulse momentarily to deflect the course of said electron beam and means cooperating with the



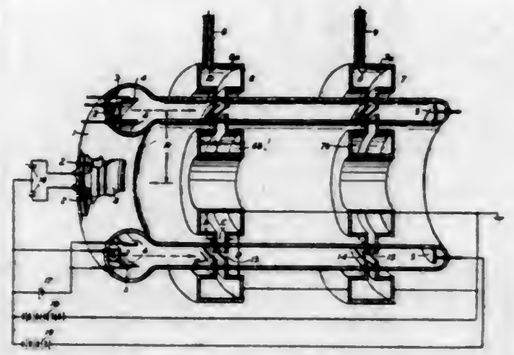
momentarily deflected beam for producing an indication of the distance from said surface.

2,407,274

ULTRA HIGH FREQUENCY ELECTRONIC DEVICE

Ralph V. L. Hartley and Arthur L. Samuel, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 16, 1941, Serial No. 388,790
3 Claims. (Cl. 250—27.5)



1. A toroidal-shaped resonator having a relatively small cross-sectional area and a relatively large radius of revolution, an axially elongated toroidal-shaped envelope coaxial with said resonator and intersecting the same, said envelope enclosing an annular electron gun, said resonator being provided with circular gaps to permit the passage of the electron beam through and beyond said resonator.

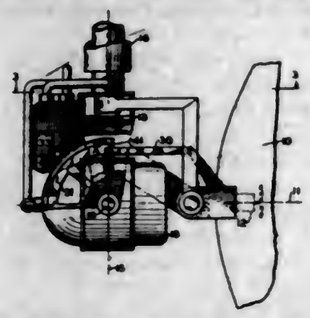
2,407,275

RADIO SCANNING APPARATUS

Robert F. Hays, Jr., Syosset, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York

Application July 29, 1944, Serial No. 547,152
24 Claims. (Cl. 250—11)

1. In a radio scanning apparatus, an antenna, a frame of which said antenna is mounted for movement about respective vertical and horizontal axes, a gyro vertical having a casing pivotally mounted on said frame on an axis parallel to the horizontal axis of the antenna, and means for maintaining parallelism of the casing and



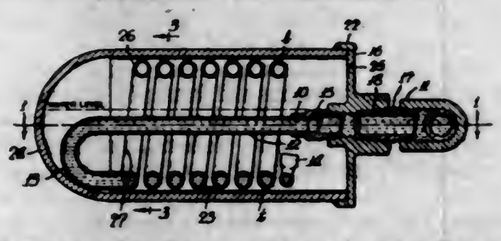
antenna relative to the respective horizontal axes thereof.

2,407,276

SHOCK ABSORBER FOR HYDRAULIC SYSTEMS

Joseph A. Hendel and Michael J. Stupelli, New York, N. Y.

Application January 12, 1943, Serial No. 472,170
6 Claims. (Cl. 138—26)



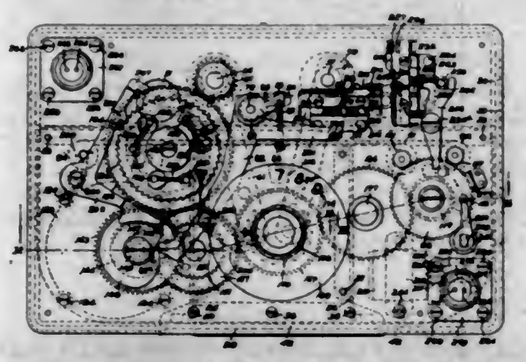
2. A shock absorber unit for a hydraulic system comprising a mounting and inlet head, a tube having a straight inlet run affixed to said head, a U-shaped bend at the end of said straight run, the rest of said pipe comprising a helical length extending from said U-shaped bend and coiled about said inlet length, the extremity of said helical turn being blocked.

2,407,277

MOTOR-DRIVEN CURTAIN-SHUTTER AND RELEASE MECHANISM FOR PHOTOGRAPHIC CAMERAS

Edson S. Hineline, Rochester, N. Y., assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware

Original application October 19, 1943, Serial No. 506,848. Divided and this application March 24, 1944, Serial No. 527,918
21 Claims. (Cl. 95—57)



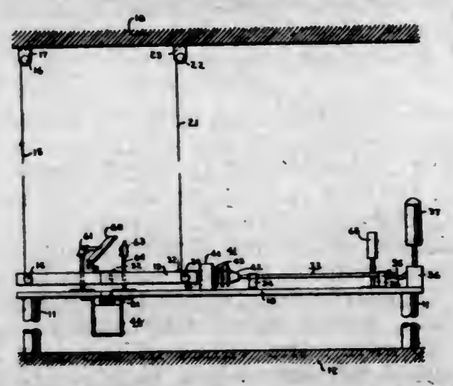
1. Motor-driven, self-capping, focal, two-curtain-shutter winding and releasing mechanism for a photographic camera including, in combination: two, closely parallel, cooperating curtains each having an aperture which together in the running-down movement of the shutter constitute the exposure aperture of the two-curtain self-capping shutter; tension rollers and take-up rollers arranged in respective pairs, supporting each of said curtains; a first curtain re-wind gear in meshing relation with the first curtain take-up roller; a second curtain rewind gear in meshing relation with the second curtain take-up roller; said rewind gears being mounted in parallel proximity to and co-axial with each other; one of said rewind gears having first and second curtain drive studs laterally projecting therefrom and the other rewind gear having a co-acting laterally projecting stud; one of said rewind gears having a shutter release stud laterally projecting therefrom; a movable shutter release member engageable by said shutter release stud in the rotative movement of the rewind gear bearing such stud and mounted laterally adjacent a face of such rewind gear; a main shutter rewind gear in driving relation with one of said rewind gears and co-axially mounted with respect to both of said rewind gears; an electric motor carried by the camera structure and in driving relation with said main shutter rewind gear; an electric circuit carried by said camera for actuating said electric motor and including a switch controlling said electric motor; a movable switch operating member laterally adjacent a face of the rewind gear carrying the shutter release stud and mounted in position to be engaged and operated by said shutter release stud, when at substantially the end of the running-down movement of the shutter and the accompanying rotative movement of the said stud-carrying rewind gears, the said shutter release stud comes into operating relation to said movable switch operating member, thereby starting said electric motor; the said drive and co-acting studs upon the said rewind gears being so positioned relative to each other and having such circumferential spaced location on adjacent faces of said gears that in the rotative movement of one of said rewind gears consequent upon the starting of said electric motor, the rotative movement of the other rewind gear is caused to occur by co-acting engagement of studs thereof and the two curtains are consequently rewound upon their take-up rollers respectively in such timed relation that said two curtains automatically cap each other during their said rewinding.

2,407,278

METHOD OF AND APPARATUS FOR TESTING THE HARDNESS OF MATERIALS

Arthur J. Hodges, Washington, D. C.

Application April 10, 1945, Serial No. 587,601
12 Claims. (Cl. 73—82)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an apparatus for dynamically testing the hardness of a specimen plate of material, a ballistic pendulum for supporting a specimen plate, an indenter, means for propelling said indenter into contact with a specimen plate supported on said pendulum, and optical means associated with said ballistic pendulum for indicating in magnified degree the resulting deflection of said pendulum.

2,407,279

METHOD FOR THE PREPARATION OF NEUTRAL ESTERS OF PHOSPHORIC ACID

David C. Hull and Jerry R. Snodgrass, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 8, 1943, Serial No. 513,472
12 Claims. (Cl. 260—461)

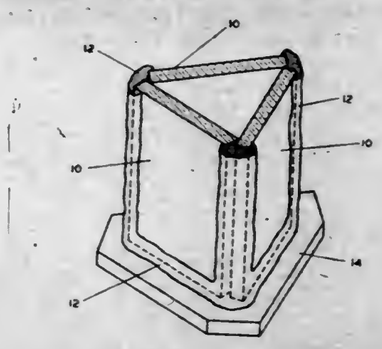
1. The method of preparing triethyl phosphate which comprises reacting phosphorus pentoxide with diethyl ether in excess at a temperature of 65°–180° C. under autogenic pressure for a sufficient time to cause the formation of a substantial proportion of triethyl phosphate.

2,407,280

MOLD FOR USE IN THE MANUFACTURE OF OPTICAL ELEMENTS

Mark Hyman, Jr., Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application September 2, 1942, Serial No. 457,031
5 Claims. (Cl. 18—39)



5. A mold for use in the formation of an optical prism of polymerized synthetic plastic material or the like, comprising, in combination, a plurality of glass mold walls forming a prismatic mold cavity and having molding surfaces substantially optically smooth, and a water-soluble cement bonding said walls together and comprising sodium silicate and a filler.

2,407,281

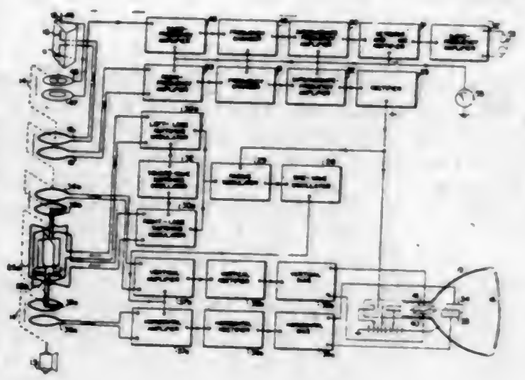
RADIATED-SIGNAL DIRECTION FINDER

John Kelly Johnson, Deerfield, Ill., and Harold A. Wheeler, Great Neck, N. Y., assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application December 18, 1941, Serial No. 423,514
13 Claims. (Cl. 250—11)

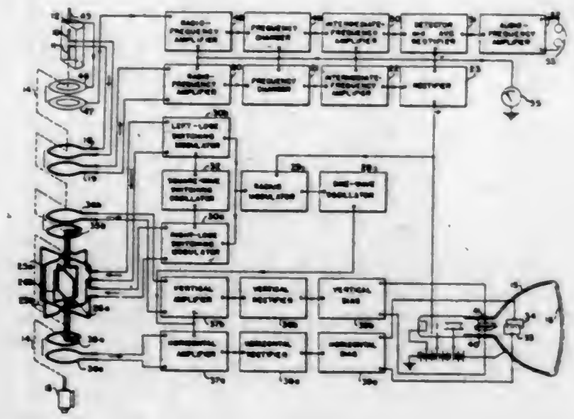
1. A radiated-signal direction finder, comprising, a receiving pick-up system having a directive pattern, means for rotating said directive pattern of said pick-up system, a line-tracing device, means for controlling said line-tracing device to trace a line in synchronism with the rotation of said directive pattern, means responsive to the amplitude of a signal received by said pick-up system for shifting the line traced by said device in accordance with said directive pattern, means for supplying a periodic control signal having a frequency which is high with reference to the frequency at which said directive pattern is rotated, and means responsive to said control signal for cyclically laterally displacing the line traced

by said device at the frequency of said control signal to trace intersecting lines the intersections



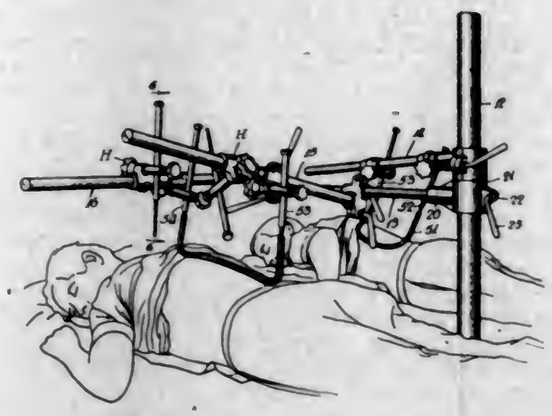
of which are sharply indicative of the direction of reception of said signal.

2,407,282
SYSTEM FOR INDICATING MECHANICAL MOTION
John Kelly Johnson, Deerfield, Ill., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application December 18, 1941, Serial No. 423,515
10 Claims. (Cl. 177—351)



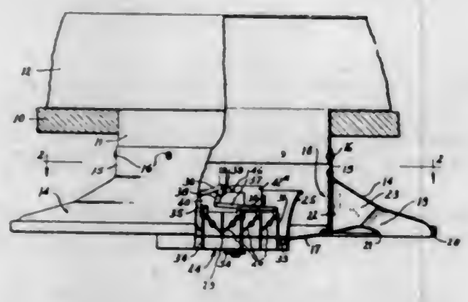
1. A system for indicating relative mechanical motion comprising, two members adapted to have relative motion therebetween, an impedance-coupling means having relatively movable primary and secondary elements the relative position of which determines the electrical coupling therebetween, means for effectively mechanically coupling said primary element to one of said members, means for effectively mechanically coupling said secondary element to the other of said members, means for supplying to said primary element oscillations of a frequency much greater than the effective maximum frequency of said motion between said two members, whereby there are applied to said secondary element oscillations the amplitudes of which are modulated in accordance with said relative motion between said two members, means connected with said secondary element for synchronously rectifying said oscillations coupled thereto to obtain a unidirectional voltage pulsating in accordance with said motion, and means for utilizing said undirectional voltage for producing a synchronous indication of said motion between said two members.

2,407,283
MECHANOTHERAPEUTIC EQUIPMENT
Florence Kelhoffer, Brooklyn, N. Y.
Application July 12, 1944, Serial No. 544,539
7 Claims. (Cl. 128—24)



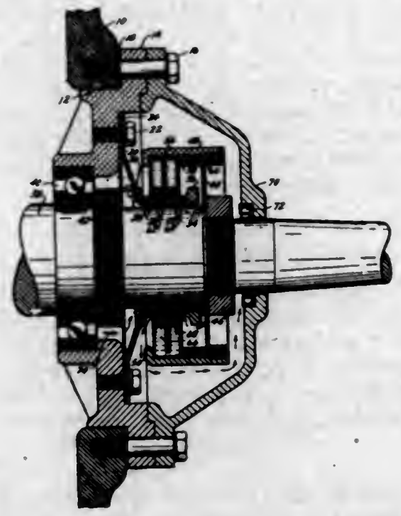
1. A mechano-therapeutic apparatus comprising a standard having a plurality of carrier bars, each having a mounting clamp on the standard and adjustable longitudinally thereof and one or more members, each having a presser head, said members being adjustably clamped with respect to the corresponding carrier bar, each of said members including resilient means interposed between the clamp and the head thereof.

2,407,284
AIR DISTRIBUTION OUTLET
Walter W. Kennedy, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application June 20, 1942, Serial No. 447,853
7 Claims. (Cl. 98—40)



1. In an air distributing unit, the combination of a tube providing an air discharge outlet, a plurality of plates extending transversely of said tube and dividing said outlet into a plurality of separated openings extending parallel to each other, damper vanes each pivotally supported in one of said openings to turn about a longitudinal axis disposed intermediate the side margins of the vane, means connecting said vanes and operable to swing the vanes in the two halves of said outlet simultaneously in opposite directions between an open position paralleling the axis of the inlet and a closed position in which the vanes of the two sets extend diagonally of said openings and converge toward each other in the direction of air flow through the outlet.

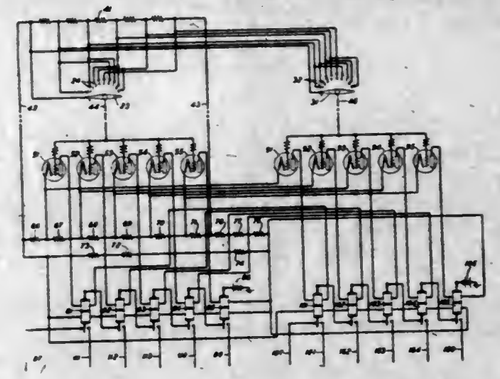
2,407,285
SEAL FOR RUNNING SHAFTS
Jesse J. King, Dayton, Ohio
Application May 15, 1945, Serial No. 593,918
5 Claims. (Cl. 286—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a device wherein a rotatable shaft extends through a partition and there is a pressure difference in the fluid on opposite sides of said partition, a shaft seal for preventing leakage of fluid along said shaft from one side of said partition to the other, said seal comprising an annular plate having a central opening loosely surrounding said shaft, means for holding said plate by its inner edge and nonrotatably supporting it on said partition, an annular enclosure having a central opening somewhat larger than the opening in said plate concentrically supported on said shaft to be rotated thereby and having the opening medially slotted to receive said plate, said plate extending outwardly to a point near the outer extremity of said enclosure and thereby dividing it into two compartments connected by a narrow passage at the outer edges, and a heavy fluid substantially filling the two compartments, the sides of said enclosure being resilient and tensioned to force the sides of said slot into frictional contact with said plate, whereby centrifugal force acting on the said heavy fluid will spread said slot and free said plate from frictional engagement therewith.

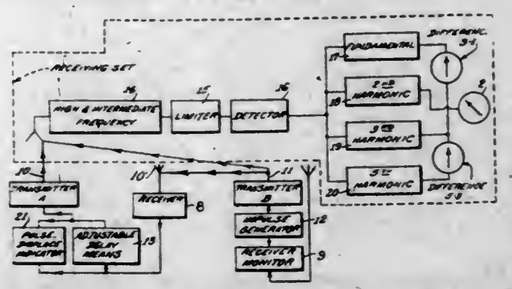
2,407,286
COMMUNICATION SYSTEM
Fullerton S. Kinkead, deceased, late of New York, N. Y., by Rita Smith Kinkead, administratrix, Trudau, N. Y., and George A. Locke, Glenwood Landing, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 7, 1942, Serial No. 464,846
4 Claims. (Cl. 177—353)

1. In a communication system, a station, a potential divider at said station having a plurality of fixed potential derivation points, a switch controllable according to information to be transmitted from said station, said switch having a greater number of contact points than the number of said potential derivation points and having combinations of two contact points connected to certain of said potential derivation points, a second station, a set of electron tubes at said second station comprising a lesser number of tubes than the number of said contact points and controllable by said switch for operation in repetitious progressions for each full cycle of said switch, a counting relay system comprising relays exceeding the number of said tubes and less than the number of said contact points for distinguishing



between successive repetitious progressions of operation of said tubes, and an indicator representative of each of said contact points controlled jointly by said tubes and said counting relay system.

2,407,287
COURSE BEACON
Emile Labin, New York, N. Y., assignor to Federal Telephone & Radio Corporation, a corporation of Delaware
Application June 28, 1941, Serial No. 400,259
14 Claims. (Cl. 250—11)

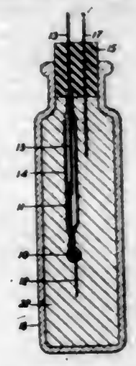


1. The method of guiding a mobile unit by signals from a plurality of fixed spaced antennas which comprises generating energy in a periodically recurrent series of relatively short impulses, dividing such energy into a plurality of similar portions, introducing a relative delay between corresponding impulses in said portions, transmitting from each of said antennas energy from one of said portions, simultaneously receiving energy radiated by each of said antennas, filtering said received energy into individual odd-multiple frequencies of said periodical recurrence, and obtaining an indication of the relative magnitudes of the energy of two of said odd-multiple frequencies.

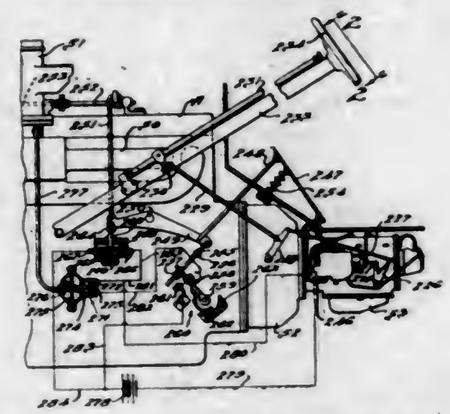
2,407,288
RESISTOR DEVICE
Joseph J. Kleimack, Bayonne, and Gerald L. Pearson, Towaco, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1941, Serial No. 390,286
8 Claims. (Cl. 201—63)

1. A resistor having a declining voltage-current characteristic comprising a small bead of high negative resistance-temperature coefficient material, having a plurality of electrically conductive leads embedded therein, a tube of glass enclosing said leads and sealed around said bead,

a container, a closure for said container, said closure supporting said glass tube within the container, and a body of mercury in said container and surrounding the glass tube.



2,407,289
POWER TRANSMISSION
Ludger E. La Brie, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 4, 1941, Serial No. 421,536
45 Claims. (Cl. 74—472)



1. In a power transmission for a vehicle having an engine and a driven shaft, a hydraulic torque converter including an impeller wheel, a runner wheel and a guide wheel drivingly disposed between the engine and the driven shaft; change speed gearing drivingly disposed between the engine and driven shaft and arranged and constructed to provide either a direct drive or an underdrive connection between the engine and the impeller of the torque converter; means for conditioning said change speed gearing in direct drive to drive the impeller at the speed of the engine or in underdrive to drive the impeller at a reduced speed relatively to the engine; and manually operated means for controlling said last means arranged to establish said change speed gearing in underdrive at relatively low engine speeds.

2,407,290
LITHOGRAPHIC PLATE AND PROCESS FOR MAKING SAME
John D. Pursell, St. Louis, Mo.
No Drawing. Application January 21, 1944, Serial No. 519,219
2 Claims. (Cl. 95—5.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process for the production of a photolithographic printing plate having a printing surface consisting of an ink receptive image portion and a moisture receptive, non-image portion comprising exposing a photographic film to light projected from a copy, developing and tanning the exposed film to render the light-affected, non-image portion of the printing surface insoluble, washing the film to remove the soluble portion of the film and produce an ink receptive image portion, and impregnating the non-image portion with an aqueous solution of mercuric chloride and bringing said mercuric chloride into contact with the light-affected particles suspended in the non-image portion of the printing surface to convert said mercuric chloride to insoluble mercurous chloride and produce a uniformly distributed deposit of insoluble mercurous chloride throughout said non-image portion.

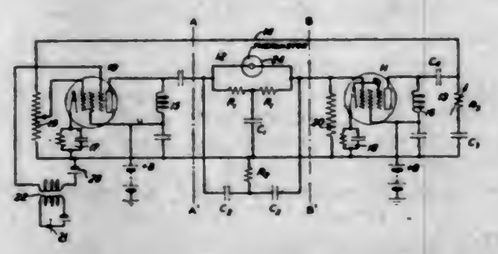
2,407,291
PROCESS OF MAKING OLEFINS
William M. Quattlebaum, Jr., Charleston, and Walter J. Toussaint, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application September 17, 1942, Serial No. 458,736
12 Claims. (Cl. 260—681)

1. Process for making an olefin which comprises passing a vaporous mixture of a carbonyl compound capable of keto-enol tautomerism and an alcohol capable of dehydrogenation to a carbonyl compound, over a silica gel catalyst, and recovering an olefin from the reaction products.

2,407,292
PRODUCT
Paul L. Salzberg, Carrcroft, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 18, 1943, Serial No. 514,818
6 Claims. (Cl. 260—454)

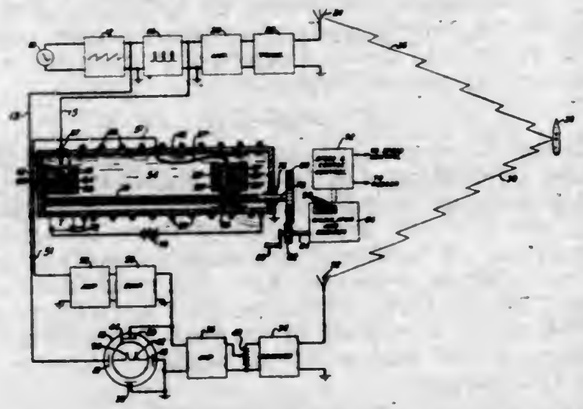
6. Compounds selected from the class consisting of organic thiocyanates represented by the formula Hal_2CRSCN and $Hal_2C{=}CHRSCN$ wherein Hal is halogen and R is an alkylene radical.

2,407,293
FREQUENCY MODULATION
William G. Shepherd, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 26, 1944, Serial No. 546,603
4 Claims. (Cl. 179—171.5)



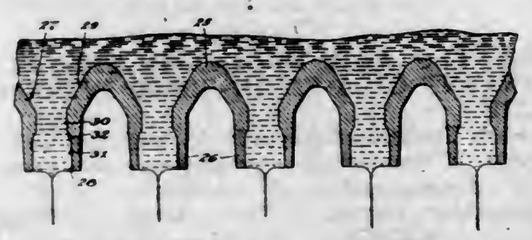
1. A frequency modulated oscillator comprising an amplifying vacuum tube, a feedback path coupling the output and the input circuits of said vacuum tube in regenerative relation, a frequency determining network included in said feedback path, a source of signal voltage, circuit means for impressing signal voltage from said source upon said vacuum tube to produce amplitude modulation of the generated oscillations, and means responsive to amplitude variations of the oscillations for producing corresponding variations of substantial magnitude in the oscillation frequency, said frequency varying means comprising a temperature sensitive resistor included in said feedback path and traversed by the oscillation currents therein.

2,407,294
WAVE PROPAGATION DEVICE
William Shockley, Madison, and Gerald W. Willard, Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 17, 1942, Serial No. 439,396
11 Claims. (Cl. 178—44)
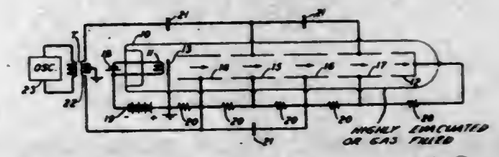


3. A wave propagation device for use within the limits of a specified range of temperatures and velocities, said device comprising a fluid mixture of at least two components, one of said components having a positive temperature coefficient of wave propagation velocity for temperatures and velocities within said range, and the other of said components having a negative temperature coefficient of wave propagation velocity for temperatures and velocities within said range, said components being present in said mixture in such proportions as to give a substantially zero temperature coefficient of wave propagation velocity at a preassigned propagation velocity and at a preassigned temperature within said range.

2,407,295
APPARATUS FOR PRODUCING FIBROUS GLASS
Allen L. Simison and Ed Fletcher, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application March 26, 1942, Serial No. 436,236
9 Claims. (Cl. 49—55)



1. Glass fiber forming apparatus by which streams of molten glass are attenuated into fine fibers, comprising a receptacle for the molten glass provided with a metallic bottom, nipples projecting downwardly from said bottom and having metallic walls integral with said bottom to permit heat to flow from said bottom into the walls of said nipples, and a passage extending through each of said nipples and communicating with the interior of said receptacle at its upper end and opening at its lower end to the atmosphere, a straight-sided channel in said passage intermediate the ends thereof, and a second channel greater in cross-sectional area than said first-named channel and connecting said first-named channel with the lower end of said nipple.

2,407,296
ELECTRIC DISCHARGE APPARATUS
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 5, 1941, Serial No. 377,458
13 Claims. (Cl. 315—14)



1. The method of generating a potential which comprises producing a stream of charged particles, accelerating said particles, projecting the accelerated particles toward a target, maintaining in the space traversed by said particles in flowing toward said target an electrostatic field increasing toward said target, impressing upon adjacent regions of said space an alternating electric field, the alternating field in each region being substantially 180 degrees out of phase with the alternating field in the adjacent region, and collecting said particles at said target.

2,407,297
ELECTRON DISCHARGE APPARATUS
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1941, Serial No. 414,630
18 Claims. (Cl. 250—36)

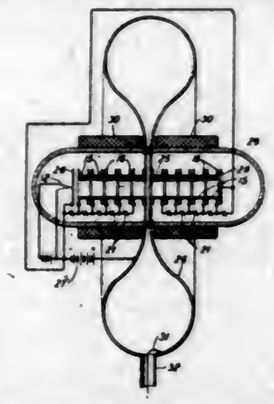


3. The method of generating electrical oscillations which comprises producing a stream of electrons, accelerating the electron stream, successively increasing the potential of the electrons in said stream in a pair of regions traversed thereby while maintaining the velocity of said electrons substantially constant, extracting energy from said stream alternately at said regions, and feeding back a portion of the energy thus extracted to said stream adjacent the region of acceleration thereof.

2,407,298
ELECTRON DISCHARGE APPARATUS
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 15, 1942, Serial No. 469,048
11 Claims. (Cl. 250—36)

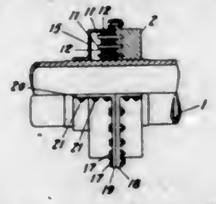
1. Electron discharge apparatus comprising a pair of electrodes mounted in spaced relation and electrically connected to each other, means for producing in the space between said electrodes direct current fields with voltage increasing nega-

tively in both directions from the median plane between said electrodes substantially as the square of distance from said plane, said means including two groups of electrodes on opposite sides of said plane and resistance means connecting the elec-



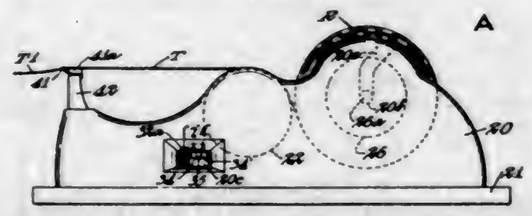
trodes of each of said groups, means capacitively coupling the electrodes of each of said groups to one another, a high frequency circuit connected between said groups, and means for introducing electrons into the space between said pair of electrodes.

2,407,299
COMMUNICATION IN PIPE LINES
Edward W. Smith, Melrose, Mass.
Application January 10, 1934, Serial No. 706,159
21 Claims. (Cl. 179—1)



1. A means for transmitting compressional wave vibrations along a metallic pipe line comprising a mass formed in a collar about the pipe, a plurality of magnetostrictive rods positioned in the collar and means for exciting the same.

2,407,300
DEFINITE-LENGTH ADHESIVE TAPE DISPENSER
Fred A. Smith, Newport Beach, Calif., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application April 4, 1945, Serial No. 586,573
9 Claims. (Cl. 164—84.5)



1. A tape dispenser comprising means for holding a supply roll of tape, a movable severing means, a measuring drum between the tape-holding means and the severing means, a stop member associated with the drum, a catch member adapted to engage the stop automatically after a given amount of rotation of the drum whereby rotation of the drum may be halted at a given point, means associated with the movable severing means whereby movement of the severing means automatically disengages the catch and stop to render the drum free to rotate, and means adapted to advance the stop automatically upon disengagement of the catch and stop sufficiently to position the stop beyond the point of engagement.

2,407,301
CONDENSATION OF KETENES WITH DIKETONES
John A. Spence and Edward F. Degering, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application October 2, 1944, Serial No. 556,886
14 Claims. (Cl. 260—488)

1. A process for preparing an unsaturated carboxylic ester comprising condensing, in the presence of an acid catalyst selected from those represented by the following general formula:

$$X—SO_2—OH$$

wherein X represents a member selected from the group consisting of a halogen atom, a hydroxyl group, and an organic group containing at least one non-metallic atom selected from the group consisting of nitrogen and oxygen, said organic group being attached to the S atom through said non-metallic atom, a ketene with a diketone in which there is a total of at least two hydrogen atoms on the carbon atoms adjacent to one of the keto groups.

2,407,302
CONDENSATION OF KETENES WITH KETOESTERS
John A. Spence and Edward F. Degering, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application October 2, 1944, Serial No. 556,887
13 Claims. (Cl. 260—484)

1. A process for preparing an unsaturated carboxylic ester comprising condensing, in the presence of an acid catalyst selected from those represented by the following general formula:

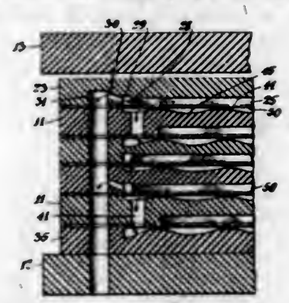
$$X—SO_2—OH$$

wherein X represents a member selected from the group consisting of a halogen atom, a hydroxyl group, and an organic group containing at least one non-metallic atom selected from the group consisting of oxygen and nitrogen, said organic group being attached to the S atom through said non-metallic atom, a ketene with a ketocarboxylic ester in which there is a total of at least two hydrogen atoms on the carbon atoms adjacent to the ketocarbonyl group.

2,407,303
APPARATUS FOR REDUCING THE FLUID CONTENT OF A FLUID-SOLID INTERMIXTURE
Harold A. Teale, Brooklyn, N. Y., assignor to Filter Media Corporation, Irvington - on - Hudson, N. Y., a corporation of New York
Application August 13, 1943, Serial No. 498,520
4 Claims. (Cl. 210—188)

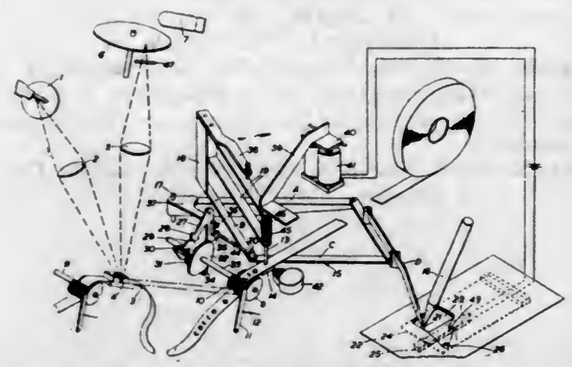
1. In a slurry thickener in combination a filter plate having recesses on the lower side, means for removing filtrate from said recesses, a filter medium under said recesses and constituting therewith filtrate conduit means, and a slurry flow directing plate adjacent to the underside of said filter medium and constituting therewith a conduit for the flow of slurry therethrough, said conduit having an undulating bottom surface pre-

senting nodes and valleys for imparting turbulence to a stream of slurry passing through said



conduit, and also having outlet means for passing slurry from said conduit.

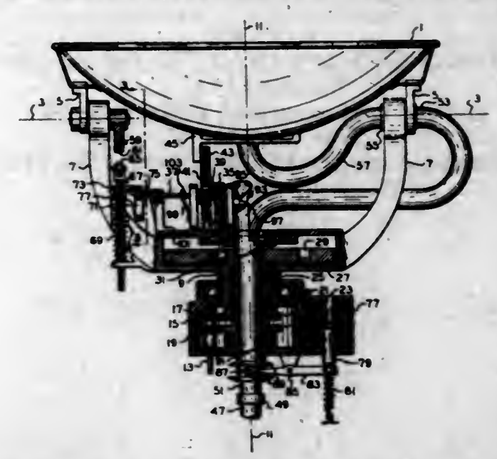
2,407,304
DEVICE FOR PREPARING MESSAGES FOR FACSIMILE TRANSMISSION
Alfred Edward Thompson and Reginald Dennis Salmon, Croydon, England, assignors to Creed and Company Limited, Croydon, Surrey, England
Application May 18, 1942, Serial No. 443,440
In Great Britain January 14, 1941
4 Claims. (Cl. 33—25)



1. A device for writing facsimile telegraph messages comprising means for writing including a pantograph, a manually held stylus mounted at one tracing point of the pantograph and a pen mounted at the other tracing point for vertical movement relative to the pantograph; a universal joint connecting said stylus to the first mentioned tracing point and means actuated by the stylus when in its lowermost position for shifting the recording pen vertically into and out of engagement with the writing surface, said means including an electromagnet and its armature supported independently of said pantograph arms, said armature having an extension extending into position to engage said pen to control the vertical movements thereof.

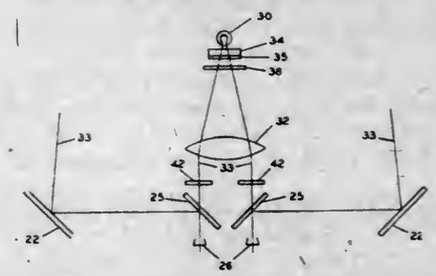
2,407,305
SCANNING DEVICE
Hall Langstroth, Hempstead, and Fred C. Wallace, Flushing, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 10, 1942, Serial No. 438,398
9 Claims. (Cl. 250—11)

1. A scanning device comprising a directive antenna mounted for rotation and oscillation about independent axes, drive means, means driven by said drive means for rotating said antenna including a first sleeve mounted to rotate about its longitudinal axis, means driven by said drive means for oscillating said antenna including a second sleeve concentric with said first sleeve and rotatably movable with respect thereto, normally ineffective means for holding said antenna in a fixed position with reference to its axis of oscillation including a third sleeve concentric with said first and second sleeves and



reciprocatively movable with respect thereto, means for disabling said oscillating means, means for rendering said holding means effective, and means for effecting simultaneous operation of both said disabling and rendering means.

2,407,306
RANGE FINDER
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application March 17, 1943, Serial No. 479,404
19 Claims. (Cl. 88—2.7)



1. In a range finder, a reticle, means for forming laterally spaced, differently polarized, left-eye and right-eye images of said reticle, means for superimposing said images upon the field of view of said device, and means comprising light-polarizing elements for substantially blocking from each eye of an observer that image intended to be seen by the other eye.

2,407,307
PROCESS FOR STABILIZING OR DEACTIVATING SLUDGES, PRECIPITATES, AND RESIDUES OCCURRING OR USED IN THE MANUFACTURE OF TETRAALKYL LEADS
Adrian L. Linch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 16, 1942, Serial No. 458,580
4 Claims. (Cl. 260—437)

1. The process for inhibiting the spontaneous ignition of tetraalkyl lead compounds adsorbed on sludges which are precipitated from crude tetraalkyl lead compounds and which sludges normally tend to cause spontaneous ignition of the tetraalkyl lead compounds adsorbed thereon when exposed to oxygen, which comprises wash-

ing such sludges with p-amino phenol in an aqueous carrying medium in an amount sufficient to provide at least 0.05% of the p-amino phenol based on the dry weight of the sludges.

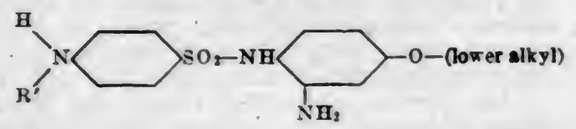
2,407,308
METHOD AND APPARATUS FOR SECRET SIGNALING
Robert Lorenzen and Felix Spiegel, New York, N. Y.
Application January 16, 1941, Serial No. 374,790
2 Claims. (Cl. 179—1.5)



1. A radio signaling system including a transmitter and a receiver, and in which the transmitter is provided with a pickup device and a carrier frequency oscillator, and interposed modulators and companion oscillators employing amplitude, phase, and frequency modulations; and in which the receiver is provided with a receiving element and a translating device, and interposed modulators and oscillators for receiving from the receiving element such amplitude, phase, and frequency modulations as originated in the transmitter and delivering same to the translating element.

2,407,309
CHEMOTHERAPEUTIC AGENTS OF THE SULPHONAMIDE TYPE
William A. Lott, Maplewood, Frank H. Bergeim, Highland Park, and Kathryn A. Losee, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application February 4, 1942, Serial No. 429,578
5 Claims. (Cl. 260—397.7)

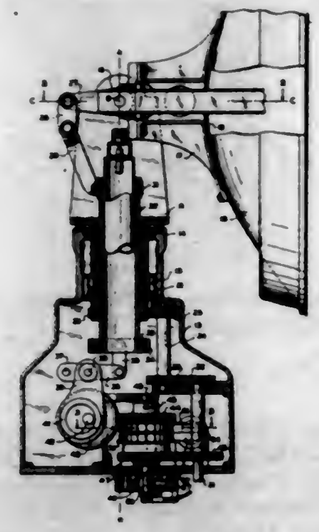
1. A compound of the general formula



wherein R′ represents a member of the group consisting of hydrogen, hydrocarbon, dialkylamino-substituted-hydrocarbon, and acyl radicals.

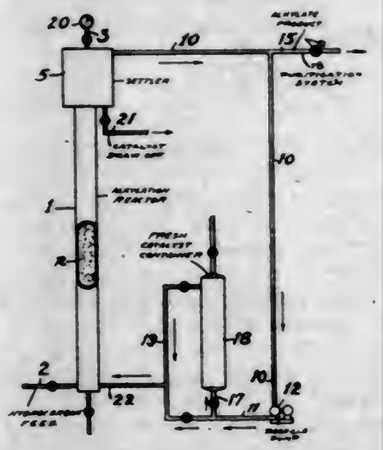
2,407,310
SCANNING DEVICE
Clarence C. Lundy, Floral Park, N. Y., and Hall Langstroth, Greenwich, Conn., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 27, 1943, Serial No. 477,466
18 Claims. (Cl. 250—11)

1. A scanning apparatus comprising a scanning member, driving means, means actuated by said driving means for spinning said scanning member about a first axis, means actuated by said driving means for oscillating said scanning member through a predetermined angle about a second axis, arresting means for stopping said oscillating means without interruption of the rotation of said scanning member about said first axis, and selective means for presetting said arresting



means to stop the oscillation of said scanning member at a chosen angle of nod.

2,407,311
CHEMICAL PROCESS
Charles S. Lynch, Plainfield, and Howard G. Codet, Mountainside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application March 6, 1943, Serial No. 478,184
9 Claims. (Cl. 260—683.4)



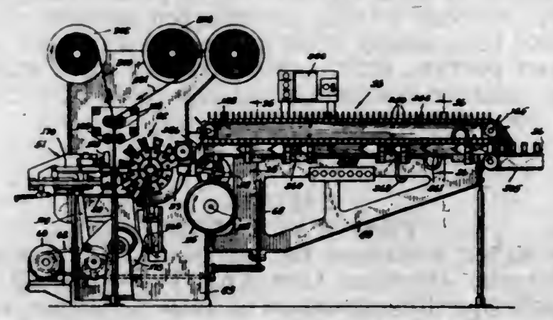
1. In the process of continuously alkylating ethylene with an isoparaffin, the improvement which comprises forcing a mixture containing isoparaffin and ethylene through a catalyst charging zone containing aluminum chloride and which can be recharged therewith from time to time whereupon a portion of said aluminum chloride is absorbed in the said mixture, forcing the mixture containing the aluminum chloride into a reaction zone, permitting the ethylene, isoparaffin and aluminum chloride to remain in contact with each other for a sufficient period of time to form a catalytically active aluminum chloride-hydrocarbon complex, thereafter continuing the flow of isoparaffin and ethylene through the catalyst charging zone and through the reaction zone, maintaining the reaction zone at elevated temperatures and pressures during the process and withdrawing from the reaction zone a product containing a C_5 fraction of high octane number.

2,407,312
PLASTIC HARMONICA
Finn H. Magnus, West Caldwell, N. J., assignor to International Plastic Harmonica Corporation, Newark, N. J., a corporation of New Jersey
Application February 20, 1943, Serial No. 476,517
5 Claims. (Cl. 84—377)



1. For a harmonica, the combination of an elongate flat body of plastic material having a plurality of lugs projecting integrally from one edge thereof in spaced relation to each other and each having a reed projecting integrally therefrom, and a reed plate having a plurality of reed slots and also having notches in one edge each in alinement with one slot, one of said lugs being seated in each said notch, and the corresponding reed being disposed in the slot that is alined with said lug.

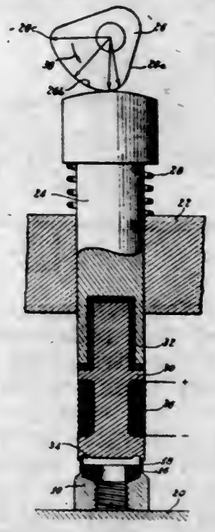
2,407,313
WRAPPING MACHINE
Clarence J. Malhiot, Oak Park, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application July 3, 1940, Serial No. 343,849
33 Claims. (Cl. 93—7)



1. A packaging machine comprising a package conveyor having alined pockets for conveying packages from a receiving station to a discharge station, packaging mechanism associated with the conveyor and engageable with the packages while the same are being transported between said stations, means for driving the conveyor continuously at alternately increasing and decreasing speeds, and control means for controlling the driven means to drive the conveyor at its slow rate of travel when the pockets thereof are alined with the receiving and discharge stations.

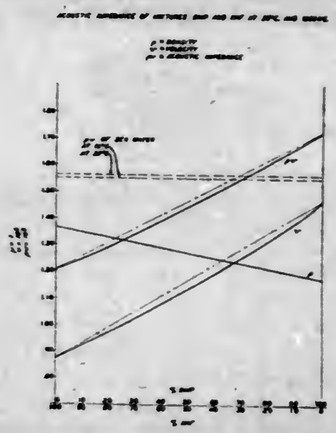
33. A wrapping machine comprising a first conveyor for conveying a series of articles to be wrapped, a second conveyor for receiving the articles from the first conveyor, drive means for continuously operating both said conveyors at alternating increasing and decreasing speeds, said drive means comprising a substantially constant speed rotatable driving member adapted to be connected to a source of power supply, a driven member, crank means connecting said driving and driven members whereby substantially simple harmonic motion is imparted to the driven member upon the constant speed rotation of the driving member, and positive driving toothed connections between said driven member and both said conveyors whereby the varying speeds of said conveyors are maintained in direct proportional relationship during the operation of the machine.

2,407,314
FASTENING DEVICE AND MANUFACTURE THEREOF
Veyne V. Mason, Scotch Plains, N. J., assignor to Elastic Stop Nut Corporation of America, Union, N. J., a corporation of New Jersey
Application September 24, 1943, Serial No. 503,639
2 Claims. (Cl. 10—86)



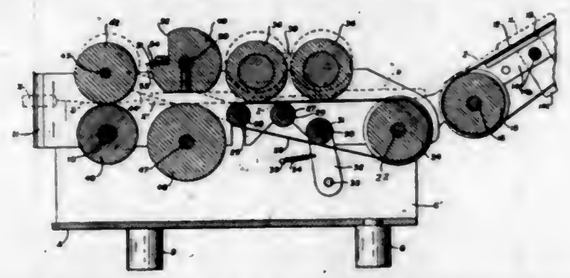
1. The method of making a threaded self-locking fastening device which comprises forming a body of metal consisting essentially of magnesium having a threaded portion and a recess at one end of the threaded portion, forming a locking element of non-metallic elastic material incapable of resisting temperatures ordinarily required for the hot-working of metal, and which provides a surface for the impression of a thread by a cooperating threaded member, placing said element in said recess, heating a portion of said body to a temperature insufficient to injure the material of said element and bending the heated portion over said element to fix the same in said recess.

2,407,315
LIQUID MEDIUM FOR ULTRASONIC COMPRESSIONAL WAVE TRANSMISSION
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1943, Serial No. 505,158
2 Claims. (Cl. 252—1)



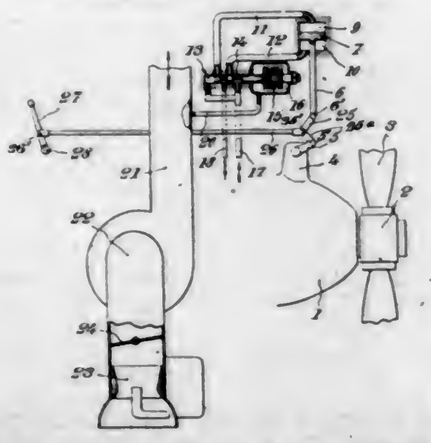
2. In a mixture of liquids having high cohesive force to support large power transmission and high vapor pressure to reduce the destructive effect of cavitation, the combination of dimethyl phthalate and xylene hexafluoride in substantially the proportions of four volumes of dimethyl phthalate and three volumes of xylene hexafluoride.

2,407,316
AUTOMATIC CUTTER
John R. McLaughlin, New Brunswick, N. J., assignor, by mesne assignments, to Tampax Incorporated, New York, N. Y., a corporation of Delaware
Application October 23, 1942, Serial No. 463,095
13 Claims. (Cl. 164—68)



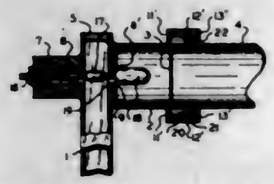
13. An apparatus for severing a continuous strip embodying opposed feed rollers adapted to continuously advance the strip, one of said rollers movable bodily away from the other roller; pivoted arms upon which said movable roller is mounted; an apron movable in the direction of travel of the strip; means coacting with said apron to maintain the strip in frictional contact therewith and also to tighten the strip between said apron and said rollers during the cutting operation of the severing devices; a rock-shaft actuated by the movement of said arms; intermittently operable severing devices spaced from said rollers in the line of travel of the strip; a drive shaft operatively connected to and actuating said rollers; means operatively connecting said driveshaft and severing devices; a clutch interposed in said means; electro-responsive devices for moving said clutch into active and inactive positions whereby said severing devices are intermittently actuated; and an indexing element secured to and actuated by said rock-shaft for controlling said electro-responsive devices.

2,407,317
CONTROL DEVICE FOR VARIABLE PITCH PROPELLERS
Marcel Louis Mennesson, Neuilly-sur-Seine, France; vested in the Alien Property Custodian
Application October 4, 1939, Serial No. 297,931
In France November 17, 1938
2 Claims. (Cl. 170—135.6)



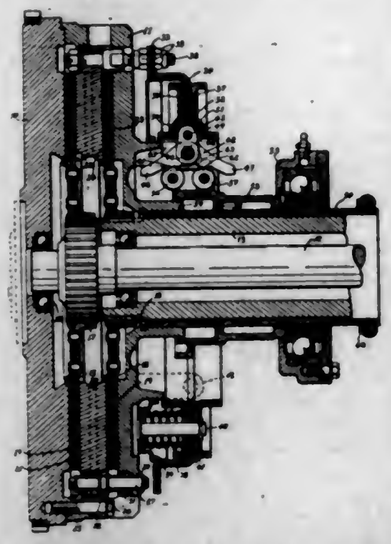
1. In a control device, the combination of a variable-pitch propeller; an aircraft engine, for driving said propeller; means for feeding a fuel-air mixture to the engine; a conduit between said feeding means and the engine; means for changing the pitch of the propeller, comprising a governor dependent upon the engine speed; a reacting spring in said governor; means for changing the tension of said spring, comprising a slidable rod; means responsive to variations of pressure in the said conduit, comprising a piston rod, the two rods being co-axial and inter-connected for unitary movement on their common axis under impulses from said piston rod; and manually operable means for moving said slidable rod independently of movement of said piston rod.

2,407,318
HIGH-FREQUENCY APPARATUS
Walter W. Mieher, Mineola, and John D. Mallett, Garden City, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 18, 1942, Serial No. 447,524
21 Claims. (Cl. 178—44)



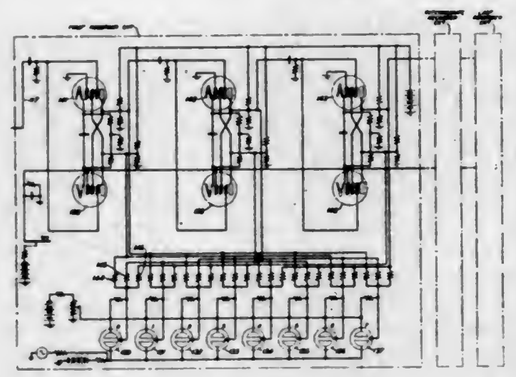
1. An energy coupling device between a rectangular wave guide and a circular wave guide, comprising an antenna member positioned transversely of said rectangular guide and extending coaxially of said circular wave guide, said antenna member having an enlarged portion within said rectangular wave guide and a further enlarged portion within said circular wave guide, said enlarged portions being separated by a narrow connecting portion.

2,407,319
TWO-WAY CLUTCH
Kay Miller, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application October 14, 1942, Serial No. 461,960
21 Claims. (Cl. 192—48)



1. In a clutch mechanism, the combination of clutch disks connected to separate rotary parts, a pressure plate shiftable to driving engagement selectively with either clutch disk, a support connected in fixed spaced relation to and turning with the pressure plate, a pair of rings mounted on opposite sides of the support in concentric relation with the pressure plate and guided on the support for limited axial movement with respect thereto, a plurality of springs in circumferentially spaced relation to said rings holding the same normally in engagement with the opposite sides of said support, and positive acting means for moving the pressure plate in either direction to engage either clutch disk, said means extending between said rings to transmit pressure selectively to either ring and through the springs and support to the pressure plate, whereby to engage the clutch resiliently in either direction.

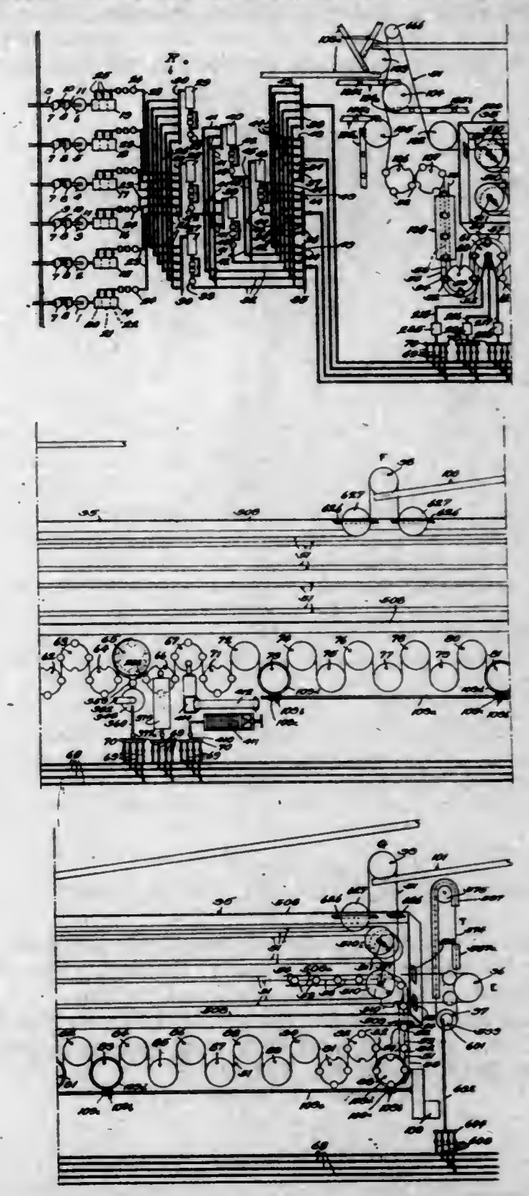
2,407,320
ELECTRONIC COUNTER
Ohmer R. Miller, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 5, 1942, Serial No. 464,666
5 Claims. (Cl. 235—92)



1. An indicating device for receiving a number in the form of a train of serially related electrical pulses and indicating the number so received in a numbering system based on the use of more than two integers, comprising a plurality of pairs of mutually controlling electronic tubes, each said pair of tubes being responsive to a pulse to render the at the time conducting tube non-conducting and the at the time non-conducting tube conducting, said plurality of pairs of tubes being serially related whereby the incoming pulses are registered according to a binary geometric progression system, a group of indicators, said group corresponding in number to the number of integers used in said numbering system, a network of resistance elements for said group of indicators connected according to a permutation code between said electronic tubes and the indicators of the said group and a source of energizing current for said indicators, each said indicator being responsive to the resultant electrical condition transmitted thereto through said network of resistance elements only when all electronic tubes connected thereto through said network are non-conducting.

2,407,321
APPARATUS FOR PRODUCING POTTERY WARE
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 8, 1943, Serial No. 471,704
47 Claims. (Cl. 25—22)

1. In apparatus for making pottery dinnerware and the like, the combination with a pottery dryer of a plurality of rotary machines having continuously moving clay feeding, ware fabricating, mold and ware conditioning, ware decorating and mold and ware transferring members re-

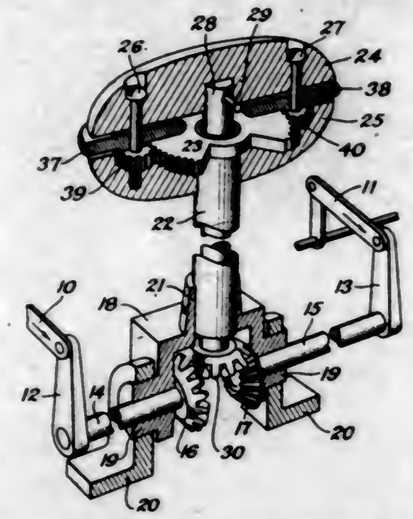


spectively, a continuously moving mold conveyor connected to all of said machines for operation therewith, means for driving the conveyor and machines in unison and means for actuating the members of each machine whilst in motion.

2,407,322
DIFFERENTIAL CONTROL DEVICE
David K. Morrison, Arlington, Va.
Application January 19, 1945, Serial No. 573,619
2 Claims. (Cl. 74—471)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a manually operable control mechanism for a pair of control instrumentalities, the combination, with a differential gear cluster interconnecting the control instrumentalities and a shiftable gear case housing said differential gears, of a manually operable hand lever including a hollow tube fixed to the gear case and having a double segmental gear rigidly secured to the tube and remote from the gear case; a rotatable shaft secured to one of the gears of the differential gear cluster and extending through the tube; a hand grip comprising an upper portion fixed to the shaft and adapted to rotate therewith, and a low-

er portion rotatably mounted on the aforementioned tube at a point between the segmental gear and the gear case, so that the gear lies between the two separable halves of the hand grip; together with a pair of screws to secure the two portions of the hand grip together; a pair of pinions rotatably mounted on the screws and meshing with the opposite sides of the double segmental gear, and a thumb wheel fixed to each of the pinions, so that the thumb wheels lie between the halves of the hand grip and extend outwardly beyond the surface of the grip to provide a thumb operated vernier adjustment on each side of the hand grip.



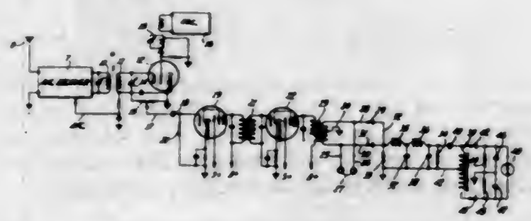
2,407,323

METHOD AND APPARATUS FOR RECEIVING RADIO SIGNALS

William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain

Original application December 23, 1941, Serial No. 424,159. Divided and this application November 8, 1943, Serial No. 509,443

5 Claims. (Cl. 250—11)



1. In a device for visually indicating the predominance in intensity of one of two radio signals of like frequency which are produced alternately in a recurring time cycle and for unequal periods in each cycle, the combination of: a radio frequency amplifier for receiving and amplifying said signals; rectifying means for rectifying said amplified signals to produce a direct potential which pulsates in accordance with the alternate production of said signals; filter means for separating the alternating potential and direct potential components of said pulsating potential; means for reversing the phase of said alternating potential component; a pair of half wave rectifiers connected to separately rectify said alternating potential component and said reversed phase alternating potential component; a separate load for each of said rectifiers; and a low resistance indicating galvanometer connected between the load sides of said rectifiers.

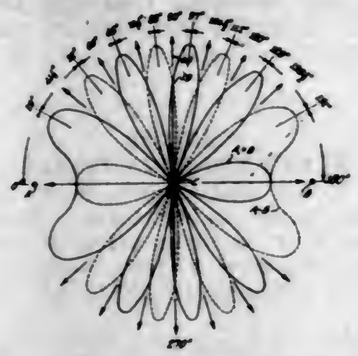
2,407,324

EQUISIGNAL RADIO BEACON SYSTEM

William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain

Original application March 2, 1942, Serial No. 432,948. Divided and this application November 8, 1943, Serial No. 509,444

7 Claims. (Cl. 250—11)



1. The method of producing a radio frequency equi-signal surface for guiding mobile vehicles which consists in simultaneously radiating radio frequency signals of like frequency from three aligned points spaced from each other, adjusting the phase of the signals radiated from the end ones of said three points to be in phase opposition to each other, periodically reversing the phase of the signals radiated from the center one of said three points from substantially a leading phase quadrature relation to one of said other signals to substantially a lagging phase quadrature relation to said one other signal, and effecting said periodic phase reversal in a repeating cycle in which the time duration of the periods of one of said phase relations is materially different than the duration of the periods of the other of said phase relations.

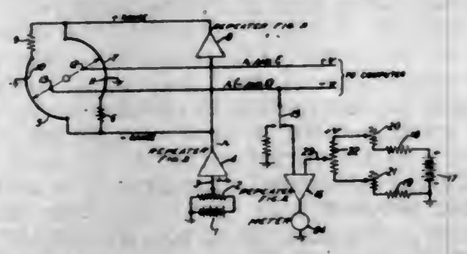
2,407,325

RANGE CONVERTER

David B. Parkinson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 23, 1942, Serial No. 440,166

1 Claim. (Cl. 235—61.5)



In a system for controlling from an observation point, artillery firing at a target, a source of voltage, a potentiometer having a winding and a wiper adjusted to select a voltage proportional to the known height of the target, a pair of resistors respectively connected between the poles of said source and the ends of said winding, said resistors being adjusted to a value proportional to the difference in elevation between said observation point and said artillery, a second source of adjustable voltage, a second potentiometer having a winding varying in resistance per unit length with a cosinusoidal function connected across said second source of voltage and a wiper moved in accordance with the elevation angle of said target to select a voltage approximately proportional to the vertical height of the target, means for indicating any inequality between the voltages selected by the wipers of said potentiometers, and means for adjusting the voltage from said second source to reduce said inequality to zero, whereby the voltage from said second source is made proportional to the slant range to said target.

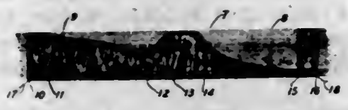
2,407,326

WOVEN-WIRE RESISTANCE AND METHOD OF FORMING THE SAME

Everett M. Patterson, Waterbury, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 30, 1943, Serial No. 474,130

4 Claims. (Cl. 201—60)



1. A woven-wire type resistance comprising a warp of spaced threads and a woof of picks of resistance wire woven transversely through said warp and in which between certain predetermined points taken along said resistance picks of resistance wire are made in predetermined varying lengths, extending from one edge of said warp and partially across said warp to make the resistance value taken from one of said points to another follow a predetermined curved resistance changing pattern.

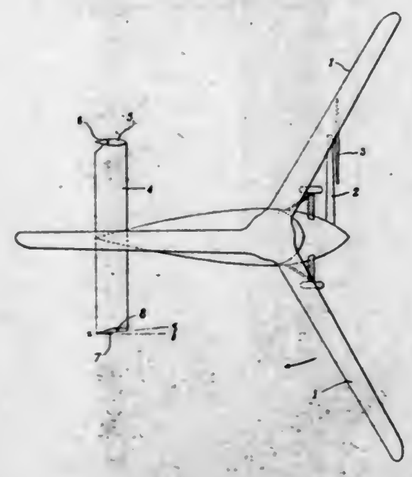
2,407,327

AIRCRAFT WITH POWER DRIVEN ROTOR

Harold F. Pitcairn, Bryn Athyn, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware

Application March 24, 1942, Serial No. 435,925

6 Claims. (Cl. 244—17)



1. In an aircraft having a single sustaining rotor adapted to be power driven, and, when driven, setting up a torque reaction in the body of the craft, airscrew means positioned to develop thrust, acting in a direction to induce translational flight, with the mean thrust line thereof offset from the rotor axis toward that side on which the airscrew thrust opposes said torque reaction, an airfoil positioned at least in large part outside of the slipstream of the airscrew means, and arranged to oppose said torque reaction during translational flight, and a controllable rudder disposed at least in large part within the slipstream of the airscrew means.

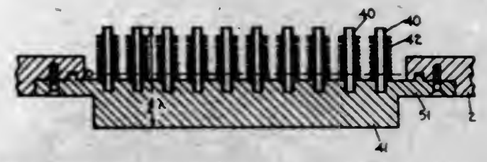
2,407,328

SENDING AND RECEIVING APPARATUS

Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware

Application June 23, 1933, Serial No. 677,179

15 Claims. (Cl. 177—386)



9. A device for transmitting and receiving high frequency compressional waves of approximately 10,000 cycles per second and higher in water including a magnetostrictive rod having one end free and the other end for radiating to the propagating medium, said rod having throughout a uniformly distributed mass, means having a concentrated mass positioned at the radiating end of the rod, said concentrated mass and rod forming substantially a one-half wave length system at the frequency the system is to operate with the node in the rod near the concentrated mass, and a coil surrounding said rod for energizing the same.

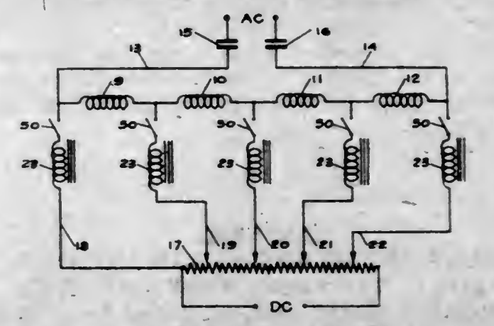
2,407,329

APPARATUS FOR SUBMARINE SIGNALING

Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware

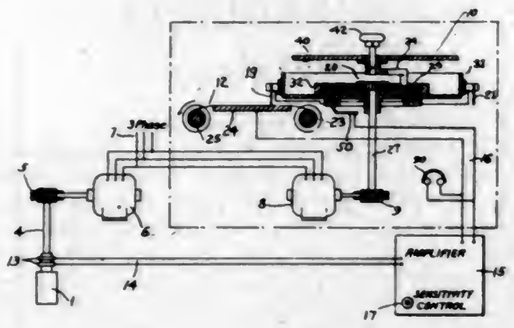
Application July 22, 1939, Serial No. 285,910

2 Claims. (Cl. 177—386)



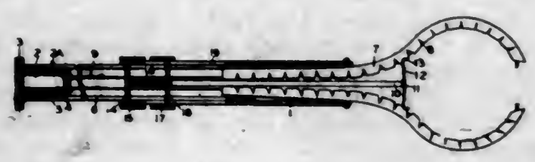
1. A submarine signaling device having a solid unitary radiating member having a continuous radiating surface of surface dimensions many times the wave length of the compressional waves in the signaling medium at the signaling frequency, said surface adapted to be in contact with the signaling medium, said radiating member having a reverse surface opposed to said first surface with a plurality of metallic elastic longitudinally vibratable elements mounted thereon substantially extending over the entire radiating member, a plurality of electric current-carrying coils operatively associated with said metallic elements for vibrating the same, said electric current-carrying coils positioned nearer the center of the radiating member having a greater ampere-turns magnitude than the coils operatively associated with the metallic elements nearer the periphery of the radiating member whereby the radiating areas near the center of the radiating member are excited with larger amplitudes than areas progressively away from the center of the radiating member for the purpose of reducing the intensity of the secondary lobes of the beam pattern of the submarine signaling device.

2,407,330
DIRECTION DETERMINING SYSTEM
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application February 6, 1941, Serial No. 377,687
14 Claims. (Cl. 181—26)



1. A system for detecting the direction of a source of sound whose position is unknown from an observing vessel comprising a directional receiving element carried by the vessel and adapted to pick up sounds from said source, means for rotating said receiving element continuously, a recording sheet, means for moving a recording stylus over said recording sheet for recording the sounds picked up by said receiving element, the motion of said recording stylus being in synchronism with the rotation of said receiving element and means for moving said recording sheet transversely to the motion of the stylus at a velocity substantially lower than that of the stylus, whereby the presence of a sustained sound will produce a substantially continuous curve on the recording sheet indicating the direction of the sound source.

2,407,331
GLASS BULB AND FLASK HOLDER
Harry L. Van Velzer, State College, Pa.
Application March 1, 1945, Serial No. 580,453
5 Claims. (Cl. 294—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination in a bulb holding device, a tubular handle, flexible holding members mounted therein and extending therebeyond to provide gripping jaws, means extending through said flexible members and therebeyond within said handle, means stressing said last named means and means movable within said handle between said flexible holding members and yieldably engaging and spreading said flexible members adjacent and exterior to said handle.

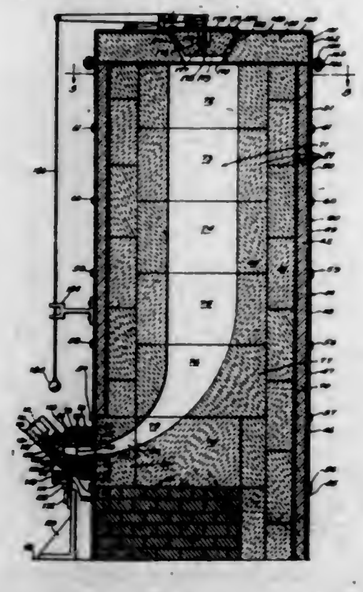
2,407,332
PURIFICATION OF ACETYLENE BY MEANS OF ARSENIC TRICHLORIDE
Richard B. Wearn and Gordon N. Jarman, United States Army
No Drawing. Application April 21, 1945, Serial No. 589,687
3 Claims. (Cl. 260—679)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of purifying crude acetylene comprising intimately contacting the crude acetylene with arsenic trichloride.

2,407,333
FUMIGATION METHOD
Peter R. Wenck and Walter A. Henson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 29, 1943, Serial No. 508,260
3 Claims. (Cl. 167—39)

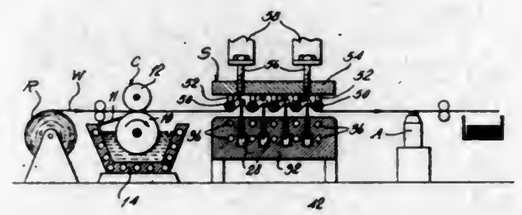
1. The method which comprises fumigating a space wherein the principal known living things subject to destruction by fumigation are microorganisms, with a lethal concentration in air of a toxicant selected from the group consisting of 2-bromo-2-methyl propane and 2-iodo-2-methyl propane.

2,407,334
CASTING MACHINE
Carl Wessel, Chicago, Ill., assignor to Carl Wessel and Lew W. Cleminson, both of Chicago, Ill., as trustees
Application April 16, 1942, Serial No. 439,190
17 Claims. (Cl. 22—57)



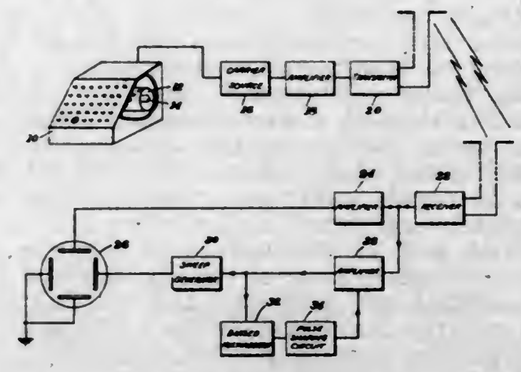
1. In an apparatus for casting, a ladle for casting operations, comprising an external metal shell, an internal metal shell, an insulating filling of mineral fibers between said shells, a lining of firebrick inside said second metal shell, and a lining of smooth refractory inside said firebrick, said lining of smooth refractory defining a ladle chamber, said ladle chamber tapering and extending laterally toward a discharge opening at a lower part of said chamber for the supply of metal to molds.

2,407,335
APPARATUS FOR SMOOTHING HOT MELT COATINGS
Arthur M. Wickwire, Jr., Great Barrington, Mass., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Original application December 31, 1941, Serial No. 425,211. Divided and this application July 10, 1943, Serial No. 494,237
3 Claims. (Cl. 91—53)



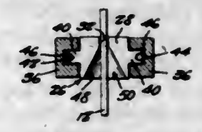
1. Apparatus for smoothing thermoplastic coating material that has been applied to the surface of a sheet or web, comprising a plurality of spaced bars having smooth curved surfaces for contacting the coating material, means for heating each of said surfaces to an elevated temperature, means for causing the material to pass through an angular path in contacting each of said bars, and means for reciprocating said bars while the coating material is in contact therewith.

2,407,336
METHOD AND MEANS FOR TRANSMITTING INTELLIGENCE
Norman H. Young, Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 1, 1943, Serial No. 508,617
18 Claims. (Cl. 178—68)



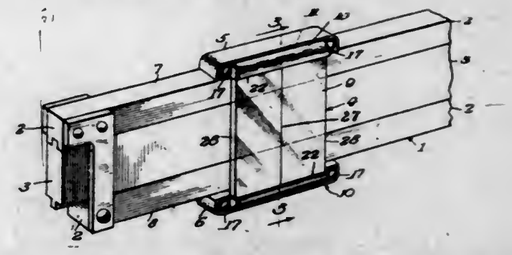
2. The method of intelligence-transmission, which includes the steps of generating a series of pulses of predetermined repetition frequency, generating a second series of sets of pulses of the same frequency, each pulse of said second series occurring between successive pulses of the first series and differing from the pulses of the other sets by a different time displacement from the pulses of the first series, whereby each pulse of each set of said second series may represent a character to be transmitted, receiving both series of pulses, and, beginning with any first pulse of the received first series of pulses combining said first series with the individually differently spaced pulses of the second series to reproduce the transmitted intelligence.

2,407,337
WIRE ENAMELING DIE
Robert M. Kolter, Decatur, Ind.
Application January 14, 1943, Serial No. 472,367
2 Claims. (Cl. 91—53)



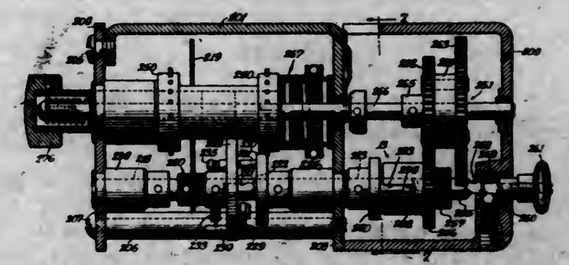
1. In a wire enameling die, a cylindrical body, an annular flange formed about said body intermediate its ends, said flange having a relatively deep groove in its periphery, said body having a non-circular opening axially through its upper portion and a conically shaped opening increasingly tapered from the non-circular opening to the bottom end of the die, said body being axially divided to provide a pair of complementary sections, a resilient member fitted in said groove to encircle the body and releasably hold the sections in assembled relation, and a pair of channel shaped holder members disposed to receive the body flange therein.

2,407,338
SLIDE RULE INDICATOR
August H. Kreiling, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware
Application August 17, 1944, Serial No. 549,851
5 Claims. (Cl. 235—70)



1. A slide rule cursor having a pane of clear material, an end bar and means to secure the pane, at an end edge thereof, on the end bar comprising a clip formed for attachment on the end bar and providing a pocket for grippingly engaging the edge of the pane, said clip having portions in position to engage the opposite side edges of the pane, adjacent said end edge, to prevent displacement of the pane longitudinally of the end bar.

2,407,339
FILM GATE RELEASE
William A. Lebus, Chicago, Ill., assignor to Prismacolor, Inc., Chicago, Ill., a corporation of Illinois
Original application November 9, 1942, Serial No. 464,961, now Patent No. 2,384,319, dated September 4, 1945. Divided and this application March 18, 1944, Serial No. 527,100
12 Claims. (Cl. 88—28)



1. A film transport mechanism for intermittently advancing the film through a releasable

pressure plate unit adapted for holding said film in a predetermined focal plane, comprising a main drive shaft, a pair of coaxially aligned countershafts, and a film driving sprocket to advance the film for changing the picture images, actuating means connected between said drive shaft and one of the countershifts to positively revolve the latter, a one way clutch unit for connecting said countershafts, said clutch being adapted to operatively join said countershafts after a predetermined interval of movement of said main drive shaft, sprocket driving means connected between the other of said countershafts and the film sprocket to advance the film during the effective operation of said one way clutch, and release means adapted to be driven by said main drive shaft during the interval of movement of said shaft prior to the joining of said countershafts for operatively releasing the pressure plate unit and the film therebetween before said film is advanced by said film sprocket.

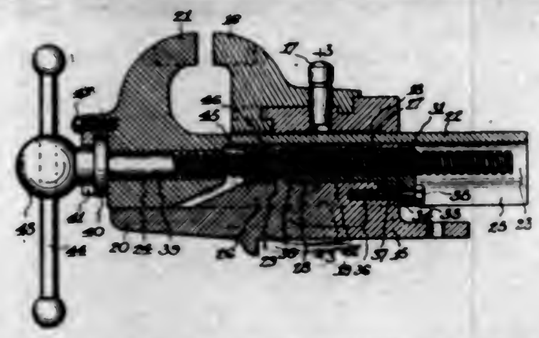
2,407,340
MATERNITY GARMENT
Louise E. McCarthy, Flushing, N. Y.
Application August 25, 1943, Serial No. 499,957
1 Claim. (Cl. 2—74)



A laterally expansible maternity garment comprising a one-piece backless pinafore adapted to be worn and to extend over the front and sides of a dress and including a wide plain front and upwardly tapering side portions integral with said front, upwardly tapered plain bibs of inverted V-shape integral with and rising from the top of said front portion and defining a neck opening therebetween, upwardly tapering pleats in the side portions, means at the apices of the bibs for securing the latter to the dress at the shoulders, and ties attached to the free edges of side portions at the waistline and adapted for connection to each other at the back of the wearer to secure the front and side portions, respectively, against the front and side portions of the dress.

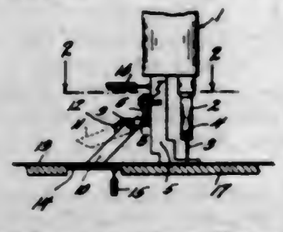
2,407,341
VISE
George J. Meyer, Milwaukee, Wis.
Application June 28, 1943, Serial No. 492,515
1 Claim. (Cl. 81—33)

A vise comprising a vise body having a jaw, a shank slidably guided by said vise body and having a jaw cooperating with said first-named jaw, said shank having a longitudinally extending channel therein, a rotatable screw shaft extending longitudinally in said shank and confined against relative axial movement with respect to said shank, said vise body having an integral longitudinal flange extending upwardly into the channel of said shank, a nut carried by the upper portion of said flange, said screw shaft being engaged with said nut for effecting displacement of the movable jaw, a second nut engaged on said shaft in front of said first-named nut and re-



strained by the forward portion of the flange against rotation, and a spring extending about said shaft and interposed between said nuts for urging said second nut in a forward axial direction tending to open the movable jaw, said second nut and spring being housed in said channeled shank.

2,407,342
SEWING MACHINE
Joseph Nachman, Philadelphia, Pa.
Application February 25, 1944, Serial No. 523,871
4 Claims. (Cl. 112—219)

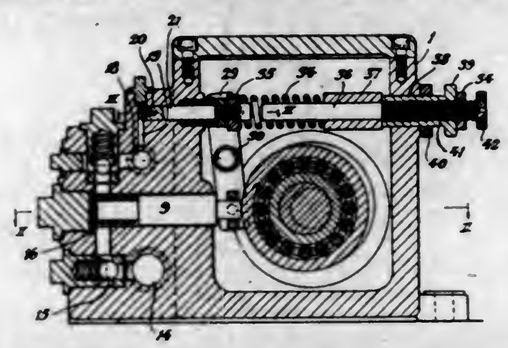


4. In a stitching machine, the combination of a table, a presser foot, and a needle operatively associated therewith, a source of power for the machine and means for cutting off said source of power to stop the machine including a circuit having therein electrically responsive means, a contact plate and a work engaging finger, said plate being positioned for contact with the stitched material at one side thereof as it issues from the needle and presser foot, the finger being operatively supported at the other side of the material and so disposed as to make contact with and complete the circuit through the plate, the construction and operation further being such that the said finger contacts said plate only upon passage of an imperfection in the stitched material.

2,407,343
HYDRAULIC PUMP
Kenneth Edward Pyne and Clifford Douglas Pyne, West Wickam, and David Luther Leadbeater, Prittlewell, England
Application July 12, 1944, Serial No. 544,542
In Great Britain August 3, 1943
2 Claims. (Cl. 103—38)

1. An hydraulic pump for delivering pressure fluid at a pre-determined pressure which pump includes a reciprocating piston, a driving eccentric having releasable driving connection with the rear of the piston, spring means for said piston actuating the same rearwardly toward contact with the eccentric and providing the motive

power for the suction stroke, a spring loaded plunger the head of which is exposed to and maintained in contact with the pressure fluid on the pressure side of the pump and adapted upon a pre-determined pressure being reached to move axially against the spring loading the plunger, a yoke member at the rear of said piston movable toward the pressure end of the pis-

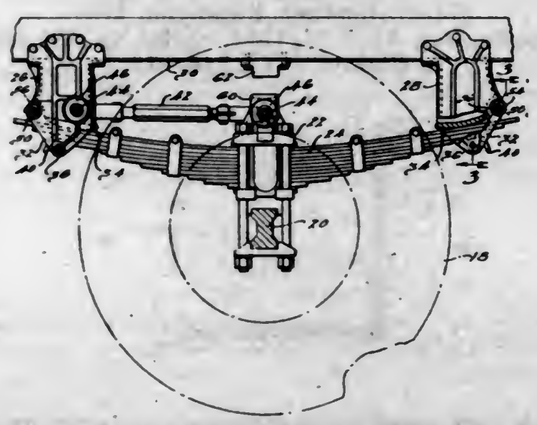


ton for reducing the piston stroke, a pivoted link connecting the said plunger and yoke member by which longitudinal movement of the plunger due to pressure thereon swings the link and thereby moves said yoke member toward the pressure end of the piston and lifts the piston off the eccentric proportionally to the movement of the plunger to reduce or to eliminate the stroke of the piston accordingly.

2,407,344
CHEMICAL METHODS AND PRODUCTS
Cortes F. Reed, Anoka, Minn., assignor to Charles L. Horn, Minneapolis, Minn.
No Drawing. Original application December 20, 1938, Serial No. 246,901. Divided and this application November 18, 1941, Serial No. 419,658
6 Claims. (Cl. 260—633)

1. An improved method of reacting upon an alcohol which comprises mixing said alcohol in sulphuric acid and thereafter introducing sulphur dioxide and chlorine into said admixture.

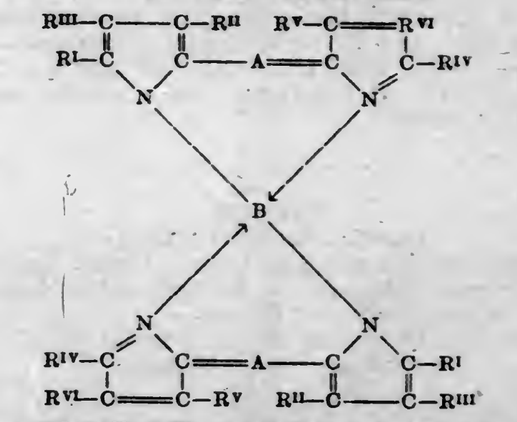
2,407,345
SPRING SUSPENSION
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application June 9, 1944, Serial No. 539,472
5 Claims. (Cl. 267—44)



1. In a vehicle spring suspension of the type including a pair of longitudinally spaced spring hangers, a semi-elliptic spring interposed between said hangers, and an axle secured to said spring between the ends of the latter, the combination with said spring hangers of curved surfaces fixed to each thereof and adapted for engagement with the corresponding ends of said spring, the curvature of said surfaces being such that as the load on said spring increases the distance between the points of contact of said spring and said surfaces decreases, and a roller carried by each of said hangers outwardly of said surfaces from said axle, said rollers being so located as to engage said spring and transmit the load of the vehicle from said hangers to said spring when said load is relatively light, and when said spring is deflected by a predetermined increase in said load from said light load position the contact between said spring and said hangers is transferred from said rollers to said fixed surfaces.

2,407,346
MANUFACTURE OF NEW COLORING MATTERS
Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 9, 1943, Serial No. 494,120. In Great Britain July 13, 1942
3 Claims. (Cl. 260—313)

1. Metal complexes of the formula:



where R^{I}, R^{II}, R^{IV}, and R^{V} stand for aryl radicals, R^{III} and R^{VI} each are a member of the group consisting of hydrogen, aryl-, alkyl-, alkylamino-, benzylideneamino-, and acylamino- radicals, A is a member of the group consisting of nitrogen and the group

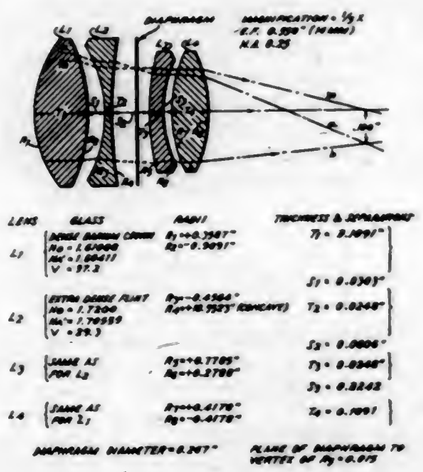


wherein R is a member of the group consisting of hydrogen, alkyl-, aralkyl-, aryl-, and heterocyclic radicals; and B is a metal of the group consisting of copper, zinc, nickel, cobalt, chromium, and cadmium.

2,407,347
OBJECTIVE
Lawrence T. Sachtleben, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application June 27, 1944, Serial No. 542,309
8 Claims. (Cl. 88—57)

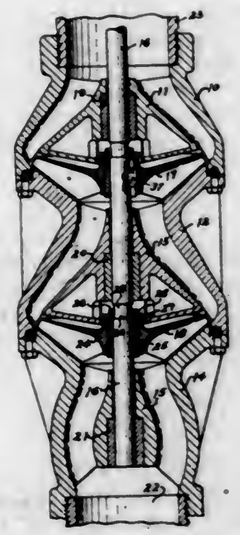
1. A four-lens, axially air-spaced objective comprising in order from front to rear in the direction of incident light, a bi-convex lens, a bi-concave lens, a meniscus concave lens and an equi-convex lens, the outer lenses being of equal thickness and of the same dense barium crown glass having an index of refraction of less than 1.7, and the inner lenses being of equal thickness and of the same dense flint glass having an index of refraction of greater than 1.7, the axial sep-

aration between the two inner lenses being double the axial separation between the two front lenses, the surface of said bi-concave lens having the shorter radius of curvature and the surface of said meniscus concave lens having the greater ra-



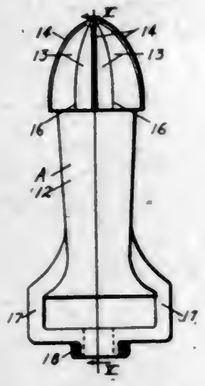
dius of curvature being disposed towards the incident light, and the focal length of said equi-convex lens being more than one-half and less than three-fourths of the focal length of the objective as a whole.

2,407,348
IMPELLER MOUNTING
Rudolph D. Schott, Los Gatos, Calif., assignor, by mesne assignments, to Fairbanks, Morse & Co., a corporation of Illinois
Application December 22, 1943, Serial No. 515,201
9 Claims. (Cl. 287—52.06)



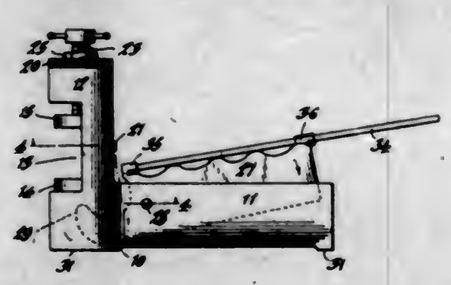
1. In a device of the character described, the combination of a cylindrical shaft, a split cylindrical bushing having a tapered external surface adapted to be clamped upon said shaft, a member having a hub with a tapered bore mounted upon said bushing, means operating to force the hub of said member into clamping relation upon said bushing, and means fixed against axial movement carried by said shaft and engaging said bushing for retaining said bushing in any desired axial position upon said shaft.

2,407,349
AIR-COOLED GAS BURNER
Walter M. Shaw, Moline, Kans.
Application October 21, 1944, Serial No. 559,773
1 Claim. (Cl. 158—99)



In a gas burner of the class described; a burner unit, said burner unit having a Venturi tube, a hollow elongated gas burner head integrally formed on the upper end of the tube, said gas burner head comprising a series of integral, vertically elongated, curved fins having enlarged base portions and relatively thin outer edges radially positioned around the upper end of the Venturi tube, the lower ends of the fins being positioned substantially vertical and the upper portions of the fins gradually curving toward each other and meeting each other at a point on the vertical central axis of the burner unit, each of said fins having long deep and narrow slots extending inwardly through said thin edges and through the thickest dimension of the fins substantially throughout their length to a point just short of the meeting point of said fins, said slots communicating with the interior of the Venturi tube to form ports, said fins having their side walls curved convexly from their base toward their thin edges the valley between opposing fins being a continuation of the outer wall of the Venturi tube, whereby uninterrupted stream line flow of cooling secondary air is provided adjacent said ports, and means for entering air and gas fuel into the Venturi tube at its lower end.

2,407,350
NUTCRACKER
Harry Spooner, Stephens, Ark.
Application April 24, 1945, Serial No. 590,063
2 Claims. (Cl. 146—15)

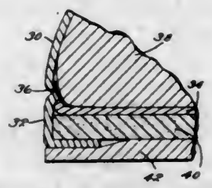


1. A nut cracker, comprising a substantially L-shaped body including a base portion adapted to serve as a handle and a cylindrical nut-receiving portion open at one side thereof, a plunger guided in said cylindrical portion and open at one side thereof in registering relation with the companion open side of such portion and terminating at that end thereof adjacent the base portion in a nut-cracking jaw, and at its opposite end in an abutment, a companion jaw mounted in the opposite end of the cylindrical portion of the body, a pressure lever fulcrumed on said base portion in operative relation to said plunger to bring its jaw into and out of nut-cracking relation with the companion jaw, and a spring in said cylindrical portion and engaging such plunger-abutment for normally urging the plunger and its actuating lever to a retracted, inoperative position.

2,407,351
PROCESS FOR THE MANUFACTURE OF o-SULPHOBENZOIC ACIDS
Walter Stammbach, Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application June 11, 1943, Serial No. 490.535
3 Claims. (Cl. 260—507)

1. The method of converting a compound selected from the group consisting of neutralised o-chlorobenzoic acid and o-bromobenzoic acid into o-sulphobenzoic acid, which comprises heating a member of the said group in aqueous medium with an inorganic sulphite in the presence of a catalyst selected from the group consisting of copper and copper salts.

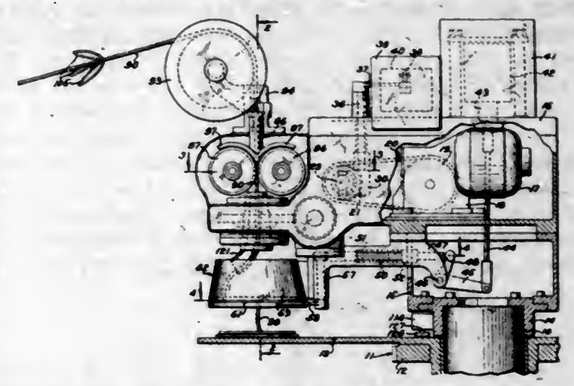
2,407,352
METHOD OF MAKING SHOES
Karl A. Stritter, Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 8, 1945, Serial No. 615,146
17 Claims. (Cl. 12—142)



1. That improvement in methods of making platform shoes which consists in securing an upper, an edge covering strip and an insole member together off a last with their margins in superimposed relation and with the upper wrong side out, turning the upper right side out and inserting a last therein, securing a platform sole to the insole member, wrapping the covering strip around the edge of the platform sole and inwardly beneath its bottom surface, and attaching an outsole to the inwardly extending portion of the covering strip.

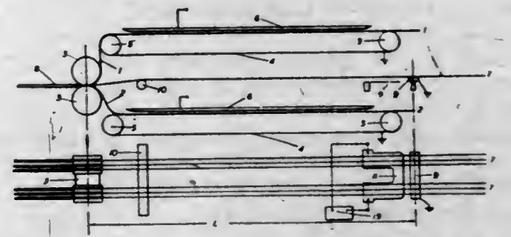
2,407,353
COILING APPARATUS
Julius A. Wagner, Cleveland Heights, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1945, Serial No. 572,417
14 Claims. (Cl. 242—82)

1. An apparatus for delivering coils of cordage to a processing machine comprising means for withdrawing cordage from a supply thereof, means for coiling the cordage withdrawn from the supply, means associated with the coiling means for receiving the coils, and means under control of the cordage for causing the receiving



means to discharge a coil onto the processing machine.

2,407,354
MACHINE FOR COVERING WIRES WITH INSULATING MATERIALS
George Hall Walton, Helsby, near Warrington, Joshua Creer Quayle, Helsby, and Peter Jones, Kelsall, near Chester, England, assignors to British Insulated Cables Limited, Prescot, England, a British company
Application December 24, 1943, Serial No. 515,506
In Great Britain January 1, 1943
8 Claims. (Cl. 154—2.26)

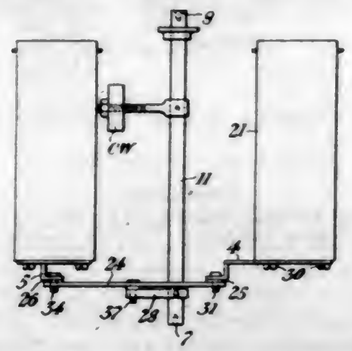


1. Apparatus for heating pairs of strips of organic resin insulation by dielectric loss as they enter the nip of a pair of cooperating electrically conducting rolls having a plurality of opposed grooves therein, each pair of grooves defining a pass for continuously applying said strips as a coating to an electrically conducting wire travelling through said pass and seaming together the strips applied to each wire, said apparatus comprising a capacitor formed by the insulation strips together with the rolls and the portions of the wires in the nip thereof, a resonant transmission line having two parallel sides so connected to said capacitor as to apply high-frequency voltage thereto, at least one side of said line consisting of a length of at least one of said wires on the entering side of said rolls and conductively related to the portion of said one of said wires in the nip of the rolls, means electrically connecting the two sides of the line together at a point in said length distant from said rolls by nearly one quarter of the wave-length corresponding to said frequency, and means between said point and the rolls for feeding said high-frequency electric energy into said line.

2,407,355
LIGHT SIGNAL
Wesley B. Wells, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 31, 1943, Serial No. 500,643
7 Claims. (Cl. 175—337)

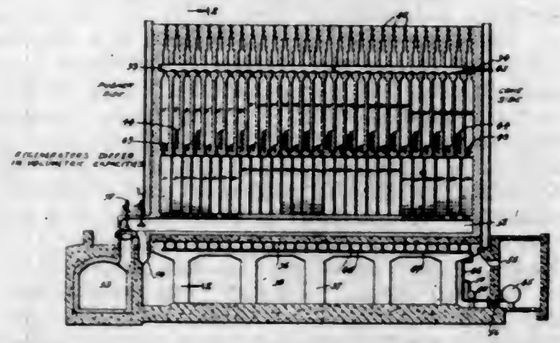
7. In a light signal the combination comprising, two electromagnets mounted in parallel ver-

tical planes a given distance apart and each provided with a tractive armature and which armatures are pivotally mounted in the same horizontal plane, a shaft journaled with its axis parallel to the vertical planes of said magnets and in a horizontal plane below the horizontal plane of said armatures, two extension members one secured to each of said armatures and said extension members disposed for their free ends to align in a horizontal plane above the horizontal plane of said shaft, two links one pivoted to the free end of one of said extension members to extend downward and the other link pivoted to



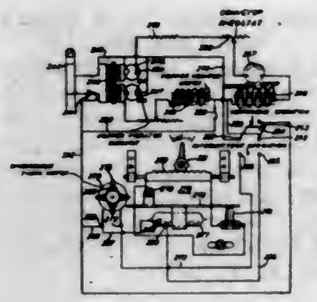
the free end of the other extension member to extend downward, a floating lever having its ends pivoted to the free ends of said links and formed intermediate its ends with a depending arm, and a crank secured to said shaft and pivotally connected to said depending arm whereby said shaft is biased to an initial position when both said magnets are deenergized, is rotated to an intermediate position when one of the magnets is energized and the other magnet is deenergized and is rotated to an extreme position when both magnets are energized with binding and friction at the pivots minimized.

2,407,356
REGENERATIVE COKE OVEN BATTERY
Frans Wethly, Manhasset, N. Y., assignor to Wilputte Coke Oven Corporation, New York, N. Y., a corporation of Maine
Application March 3, 1945, Serial No. 580,858
5 Claims. (Cl. 202—144)



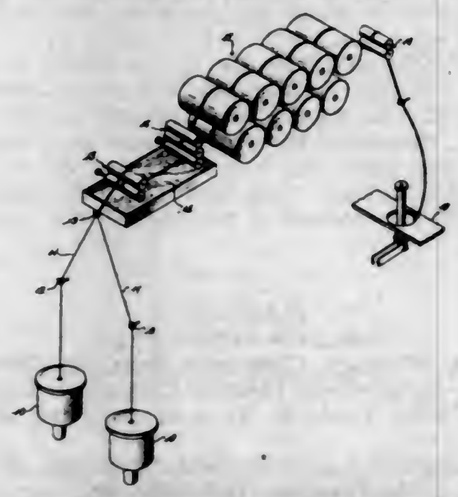
5. In a coke oven battery, having alternate horizontal tapered coking chambers and heating walls, each heating wall consisting of vertical twin flues, a row of regenerators extending crosswise of the battery communicating with said flues in each heating wall, the regenerators being of different volumetric capacities, the regenerator of largest volumetric capacity of each row communicating with the flue on the coke side of the battery, the regenerator of next largest volumetric capacity of each row communicating with the flue on the pusher side of the battery, and the volumetric capacities of the remaining regenerators of each row gradually increasing in a direction from the pusher to the coke side of the battery to compensate for the varying amounts of coal in each unit length of a coking chamber heated by the flues communicating with said remaining regenerators so that substantially uniform coking of the coal in said coking chamber takes place.

2,407,357
APPARATUS FOR CONVEYING MATERIAL
Carl S. Weyandt, Homer City, Pa.
Original application May 1, 1939, Serial No. 270,999, now Patent No. 2,323,864, dated July 6, 1943. Divided and this application October 5, 1942, Serial No. 460,739
10 Claims. (Cl. 198—220)



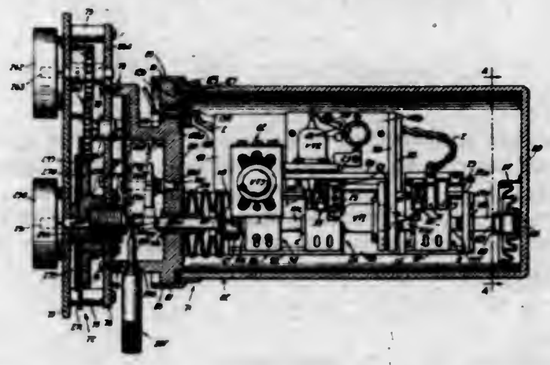
1. In apparatus for conveying material, the combination of a vibratory conveyor, and continuously operated interrupter means for intermittently interrupting the vibrations to cause the conveyor to deliver a series of separate quantities of material in a selected period of time the total mass of which provides an abnormally low feed that is below the lowest rate of continuous feed of which the conveyor is capable in the same period of time.

2,407,358
METHOD AND APPARATUS FOR TWISTING THREAD
John K. Whisnant, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application January 23, 1945, Serial No. 574,109
3 Claims. (Cl. 57—34)



3. An apparatus for the preparation of twisted cables of rayon which comprises a yarn source consisting of at least two cakes of freshly spun initially twisted rayon from which the impurities have been removed, means for supporting and rotating the cakes, means for withdrawing the yarns from the respective cakes at a predetermined rate and in fixed relation to the R. P. M. thereof to impart an additional twist to the individual yarns, means for passing the yarns together through a liquid treating bath, said means also acting to stretch the same, means for drying the yarns under tension whereby a low elongation is effected and means for cable twisting the yarns during collection whereby a package of cables in the dry state is obtained directly from the freshly spun wet rayon cakes.

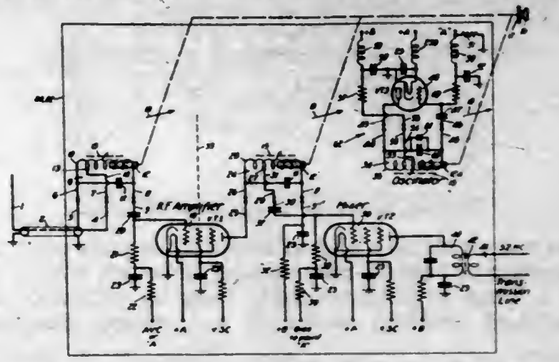
2,407,359
RADIO APPARATUS
Sidney Y. White, Wilmette, Ill., assignor to Victor S. Johnson, Chicago, Ill.; Alex Thomson, administrator of said Johnson, deceased
Original application December 8, 1942, Serial No. 468,195. Divided and this application October 15, 1943, Serial No. 506,372
20 Claims. (Cl. 250—40)



1. A radio unit comprising, in combination, a housing defining an air-tight enclosure, radio circut means within the enclosure including a tunable circuit, a resilient pressure responsive element mounted in sealed relation upon a wall of the housing, a thrust member within the enclosure attached to the pressure responsive element, actuating means located outside the enclosure for transmitting motion directly through an imperforate wall of the pressure responsive element to the thrust member within the enclosure, and circuit tuning means within the enclosure operated by the thrust member.

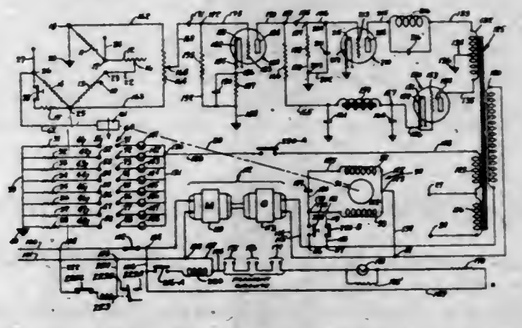
2,407,360
METHOD OF TEMPERATURE COMPENSATING TUNED CIRCUITS
Sidney Y. White, Wilmette, Ill., assignor to Victor S. Johnson, Chicago, Ill.; Alex Thomson administrator of said Victor S. Johnson, deceased
Original application December 8, 1942, Serial No. 468,195. Divided and this application October 15, 1943, Serial No. 506,377
1 Claim. (Cl. 250—36)

The method of limiting changes of frequency of a core tuned oscillator assembly circuit in response to temperature changes, which comprises providing in the circuit a main condenser having a predetermined change of capacity with temperature of an extremely low order, temporarily connecting in parallel with the main condenser a second condenser of minute capacity in relation to the main condenser whose law of capacity variation with temperature is known, heat cycling the entire oscillator assembly at least once through at least a substantial portion of the operative temperature range to stabilize the assembly, heat cycling the assembly a second time through at least a substantial portion of the operative temperature range to determine the change of frequency with temperature, and replacing the second condenser with another con-



denser having the same capacity as the second condenser and known to have a coefficient of capacity change with temperature suitable for compensating the observed change.

2,407,361
TEMPERATURE MEASURING SYSTEM
John M. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 28, 1943, Serial No. 496,518
11 Claims. (Cl. 177—311)

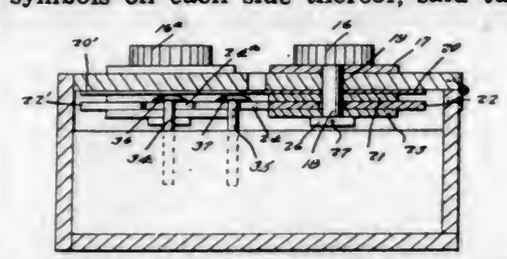


4. In combination, an electrical apparatus adapted to be operated when connected to a predetermined electrical resistance value, a resistance means connected to said apparatus and normally having a value other than said predetermined value, a test resistance, and means for connecting said test resistance to said resistance means, said test resistance having such value that the resistance means and test resistance together subject said electrical apparatus to said predetermined resistance value to operate the same when said resistance means is at said normal value, but do not subject said electrical apparatus to said predetermined resistance value if said resistance means is at a value considerably lower than said normal value.

2,407,362
PERMUTATION LOCKBOX
Henry Winterfeld, New York, N. Y.
Application October 26, 1944, Serial No. 560,441
5 Claims. (Cl. 70—315)

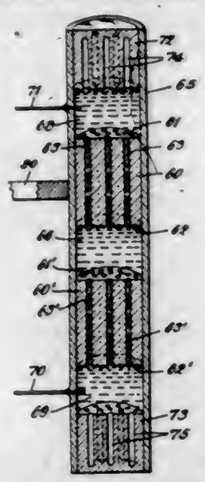
1. The combination of a series of permutation locks mounted on a box lid, each of said locks being alike in construction, a wall within the box, tumbler engaging means mounted on the wall, one of said locks consisting of a shank having a knob fixed on one end, a retainer disk fixed on the other end, a plurality of disks on the shank, one being a tumbler disk frictionally held but manually rotatable upon the shank, one of said disks being a symbol dial, said lid having

bores through which certain of the symbols are exposed, said dial-disk having identical correlative symbols on each side thereof, said tumbler



having a peripheral gap adapted to pass over said tumbler engaging means and through which one at a time of said symbols may be exposed, said dial and tumbler being of a common diameter.

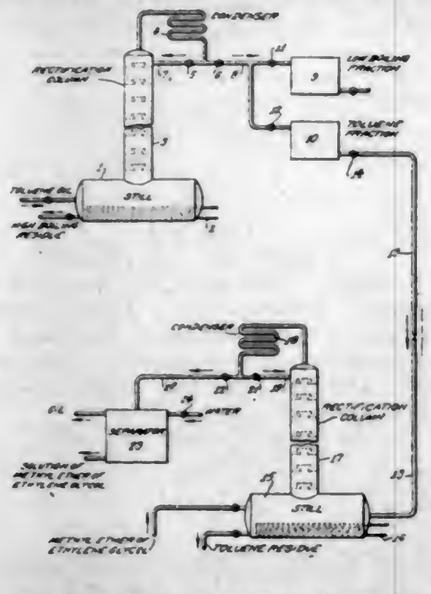
2,407,363
ELECTRICAL APPARATUS
William H. Bussey, Chicago, Ill., assignor, by mesne assignments, to Oliver W. Storey, Wheaton, Ill., as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill.
Application February 17, 1945, Serial No. 578,496
7 Claims. (Cl. 171—327)



1. A transducer comprising an insulating container having a chamber and a pair of dead-end branches including opposed capillary portions leading from said container and being substantially collinear, mercury and another liquid in said container forming at least one capillary electrometer interface in at least one of said capillary portions with a substantial quantity of mercury in said chamber, electrical connections from the outside of said container to said interface forming liquids, and compliant means at the dead-ends of said branches beyond said capillary portions for accommodating relative movement between the liquids and container, said container being adapted to vibrate during normal transducer operation and there being a continuous liquid column between said opposed capillary portions.

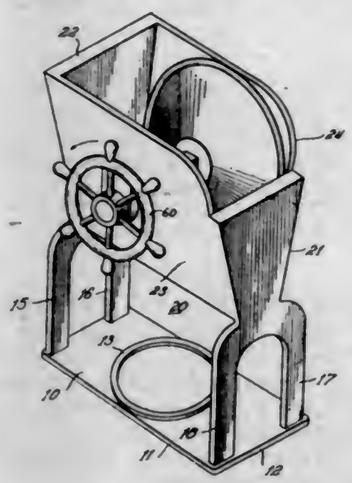
2,407,364
PROCESS FOR THE RECOVERY OF TOLUENE FROM OILS
Charles R. Clark, New York, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application July 10, 1945, Serial No. 604,130
4 Claims. (Cl. 202—42)

1. A process for the treatment of a hydrocarbon fraction containing toluene and non-aromatic hydrocarbons to separate toluene from the non-aromatic hydrocarbons contained therein which ordinarily distill from said hydrocarbon fraction in the same temperature range as toluene distills therefrom which comprises azeotropically distilling said hydrocarbon fraction in the presence of a



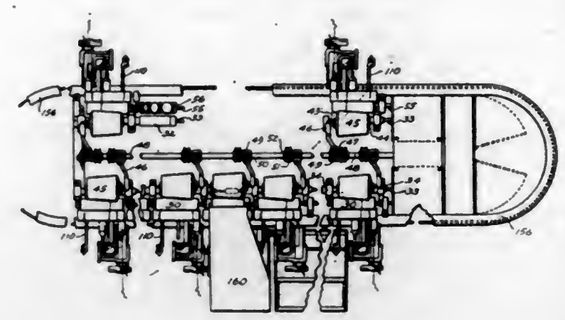
sufficient amount of a material from the group consisting of the methyl, ethyl and butyl ethers of ethylene glycol to vaporize the non-aromatic hydrocarbons together with the ether of ethylene glycol thereby leaving a residue substantially enriched in toluene.

2,407,365
CRUSHING DEVICE
Erling A. Clemetsen and John A. Clemetsen, Prairie View, Ill.
Application November 23, 1944, Serial No. 564,773
3 Claims. (Cl. 100—38)



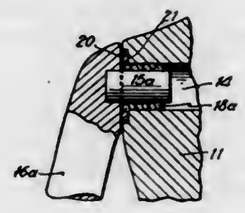
1. A device for crushing fruit or vegetables and the like comprising a container having a screened bottom and open top, said container having two opposed sides sloping toward each other with maximum separation at the top and minimum separation at the bottom, a shaft journalled for rotation in said sloping sides, said shaft being normally horizontal and having a non-circular shaft portion between said opposed side walls, a pair of discs loosely mounted on said shaft but rotatably locked thereto disposed in said container, said discs having enough clearance at said shafts so that each disc may bear against the adjacent sloping side, and means for rotating said shaft whereby upon shaft rotation said discs maintain a maximum spacing at the top between opposed faces and a minimum spacing at the bottom so that edible products dropped in at the open top of the container are crushed.

2,407,366
YARN WINDING MACHINE
Louis M. Cotchett, Hingham, and Lester Campbell and Ferdinand F. Stange, Westfield, Mass., assignors to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts
Application January 19, 1943, Serial No. 472,862
22 Claims. (Cl. 242—35.6)



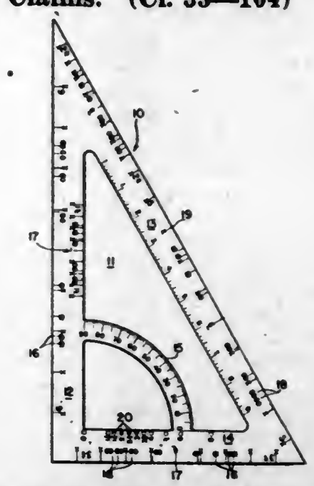
1. In a multi-unit winding machine, the combination of means for supporting and rotating a yarn package, a movable support for a plurality of supply bobbins from which yarn is wound on the package, means for doffing an empty bobbin from the support, a yarn detector normally held in one position by yarn extending from a bobbin to the package and periodically operating means controlled by the detector for rotating the support after the yarn has been exhausted from a bobbin.

2,407,367
JOINTED MANNEQUIN DOLL
Max Geller, Brooklyn, N. Y.
Original application September 22, 1942, Serial No. 459,233, now Patent No. 2,381,897, dated August 14, 1945. Divided and this application January 26, 1945, Serial No. 574,707
3 Claims. (Cl. 46—173)



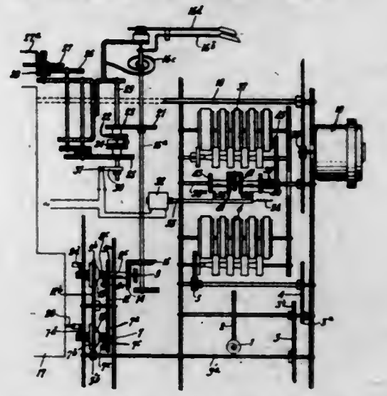
1. In a doll having a rigid body, said body having a pin receiving recess therein which is round in cross section, an extremity member, a pin carried by and extending from said member, said pin extending into said recess free of the walls thereof, and a resilient friction sleeve fitting about said pin and secured thereto, the exterior surface of the sleeve being in tight frictional engagement with the side walls of said recess for turnably and detachably connecting the member to said body.

2,407,368
DEVELOPMENT AND LAYOUT INSTRUMENT
Gerald J. Henjum, Hollywood, Calif., assignor of one-third to Albert H. Farness, North Hollywood, and one-third to Chester H. Sherer, Los Angeles, Calif.
Application May 22, 1945, Serial No. 595,109
4 Claims. (Cl. 33—104)



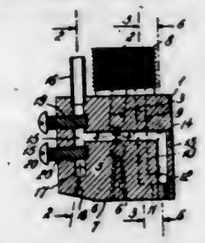
1. A layout instrument embodying a polygonal sheet material having a plurality of scales disposed along the edges thereof, comprising base line projections of equally divided circular arcs corresponding to the inside and outside diameters of a plurality of standard pipe sizes, together with scales of the developed circumference of similar pipe sizes divided into units corresponding to the spacings of said circular arcs.

2,407,369
MEAN-VALUE INDICATOR WITH EXCESS COUNTER
Paul Heynisch, Zug, Switzerland, assignor to Landis & Gyr, A. G., a corporation of Switzerland
Application December 14, 1942, Serial No. 469,036
In Switzerland December 24, 1941
3 Claims. (Cl. 171—34)



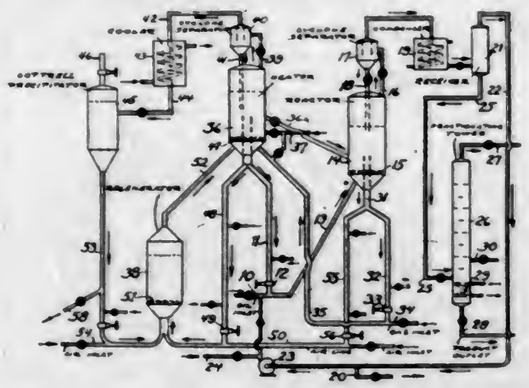
1. A maximum demand meter including a meter driven driving mechanism embodying driving elements adapted to be successively reset to provide overlapping demand intervals, a timer, means operated thereby for resetting the driving elements, an excess counter, gearing for operating the counter from the timer, a coupler for throwing said gearing into and out of action, and normally holding the same out of action, and, electrical means for operating the coupler to throw the gearing into action for operating the counter including a switch, a cam operated from the driving mechanism when the rate of metering energy exceeds a predetermined value for closing the switch, and means for varying the action of the cam.

2,407,370
FLAME HARDENING TORCH
Howard G. Hughey, Fanwood, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application March 13, 1944, Serial No. 526,194
4 Claims. (Cl. 266—4)



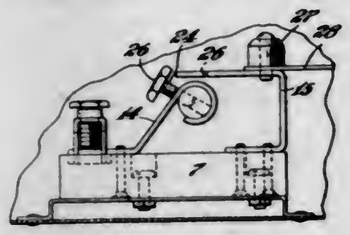
1. A gas torch having a tip, gas passages opening through the face of the tip from which a combustible gas mixture may issue to burn as heating flames, cooling passages through which cooling medium may be circulated to cool the tip, said cooling passages having an entrance through which cooling medium may be admitted and an exit through which cooling medium may pass and be discharged from the torch through a return-flow pipe after circulating through the cooling passages, quenching passages communicating with the cooling passages and opening through the face of the tip and from which cooling medium may issue as quenching jets, and adjustable means for proportioning the amount of cooling medium delivered to the quenching passages and the amount discharged through said exit of the cooling passages.

2,407,371
CONVERSION OF HYDROCARBON OILS
Charles E. Jahnig, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 28, 1942, Serial No. 467,170
13 Claims. (Cl. 196—52)



1. A process for the conversion of hydrocarbon oils which comprises passing the oil to be converted through a conversion zone, contacting the oil in vapor form within said conversion zone with a finely-divided contact material, maintaining said oil within said conversion zone for a period sufficient to obtain a substantial conversion thereof, continuously removing contact material from said conversion zone, passing at least a portion of the contact material so withdrawn through a heating zone, heating said contact material within said heating zone by direct contact with a heating gas to a temperature materially above the temperature maintained within said conversion zone, mixing a portion of the hot contact material from said heating zone with the oil to be converted having a temperature materially below the temperature maintained within said conversion zone, passing the mixture so obtained back to said conversion zone, controlling the amount of contact material circulating through said heating and conversion zones to maintain said conversion zone at the desired conversion temperature, regenerating a portion of the contact material withdrawn from said conversion zone and thereafter returning the same to said conversion zone.

2,407,372
DISCONNECT FOR ELECTRICAL TERMINAL BLOCKS
Ernest G. Johansson, Belmont, Mass., assignor to Anchor Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application January 6, 1945, Serial No. 571,615
11 Claims. (Cl. 200—153)



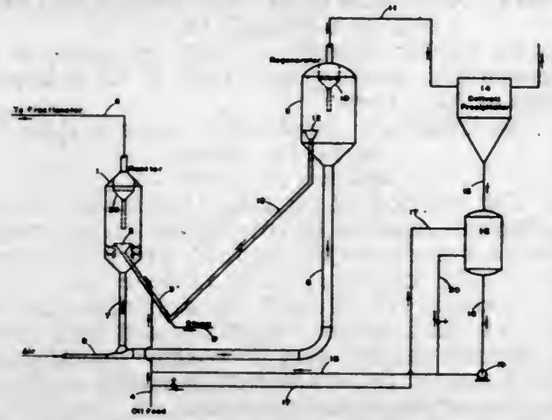
1. An electrical terminal block comprising first and second conductors, means for supporting the conductors in spaced relationship with one conductor overlapping the end of the other conductor, said end having a recess, a connector pivotally mounted on the first conductor to swing into and out of said recess, a head on the connector which overlaps the second conductor when the connector is swung into said recess, and means on the connector for moving said head toward the first conductor to clamp the second conductor between the head and the first conductor, one of the conductors being flexible to permit it to move toward the other conductor in response to said movement of the head.

2,407,373
DEHYDROGENATION OF HYDROCARBONS
Kenneth K. Kearby, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 27, 1943, Serial No. 480,843
4 Claims. (Cl. 260—680)

1. The method of dehydrogenating butene to form butadiene which comprises contacting butene admixed with steam with a catalyst consisting of a major portion of copper oxide, a minor portion of a metal oxide selected from the class consisting of chromium oxide, iron oxide and manganese oxide, and a promoter consisting of a compound of potassium.

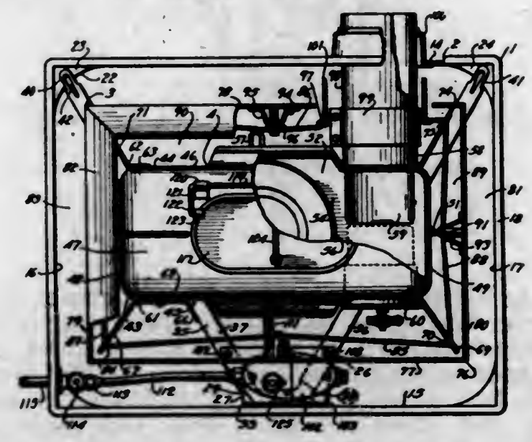
2,407,374
CATALYTIC CRACKING PROCESS
Conrad H. Kollenberg, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 1, 1944, Serial No. 547,553
1 Claim. (Cl. 196—52)

In a catalytic cracking process in which there is a cracking stage and a catalyst regeneration stage wherein the catalyst is subjected to a hot combustion supporting gas, the bulk of the regenerated catalyst is collected and returned to the cracking stage, and from whence combustion gases carrying finely divided catalyst are conducted to an electrical precipitator stage, the steps of maintaining the catalyst regeneration stage at a higher absolute pressure than the electrical precipitator stage, transferring combustion gases and a minor quantity of entrained finely divided catalyst from said regeneration stage to



said precipitator stage, separating the finely divided catalyst from the combustion gases in said precipitator stage, separately removing the combustion gases and finely divided catalyst from said precipitator stage, forming a slurry of the last-mentioned finely divided catalyst with feed oil to the cracking stage, and introducing said slurry into the cracking stage.

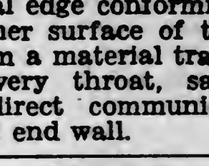
2,407,375
FURNACE ASSEMBLY
Russell Martin, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas
Application November 6, 1941, Serial No. 417,993
12 Claims. (Cl. 126—116)



1. In a floor furnace, a casing, a removable heater unit in the casing, a supporting frame for the removable heater unit, brackets connecting the frame with the heater unit and having seats and jacket guiding portions leading to said seats, and a jacket removably enclosing the heater unit and having support on said seats of the brackets.

2,407,376
COLLOIDALLY DISPERSED DIMETHYLOL UREA RESINS
Charles S. Maxwell, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 31, 1942, Serial No. 464,109
9 Claims. (Cl. 260—29)

1. A colloidal aqueous solution of a partially polymerized, negatively charged resinous compound of the formula



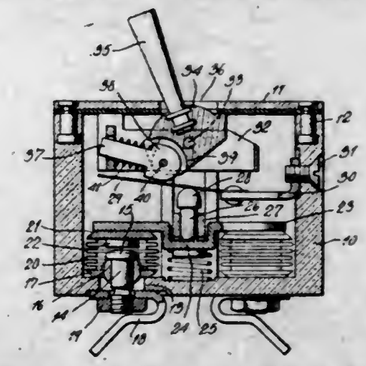
wherein X is a member of the group consisting of oxygen and sulfur and R and R' are members of the group consisting of hydrogen and alkyl, hydroxylalkyl and alkoxyalkyl radicals, said resin particles having a definite negative electrical charge as shown by their migration toward the anode upon electrophoresis of the solution.

2,407,377
TILTABLE TRAP CHAMBER MEASURING DISPENSING DEVICE
Max L. Meyer, Los Angeles, Calif.
Application October 1, 1945, Serial No. 619,447
2 Claims. (Cl. 222—455)



1. In a device for dispensing measured quantities of puverulent material from a container, a cylindrical neck member adapted to have its inner end secured on and in communication with the container neck, an end wall carried by the neck member, said end wall having a dispensing opening therein, and a measuring element within the neck member, said measuring element being formed of a plate having opposite slits opening through its side edges, the plate portion at one side of the slits being bent to form a delivery throat and the plate portion at the other side of the slits being disposed diametrically of the neck member and having an end flange presenting a peripheral edge conforming to and fitting against the inner surface of the neck member whereby to form a material trap communicating with the delivery throat, said throat being mounted in direct communication with the opening in said end wall.

2,407,378
SWITCH
Edward G. Miller and Ralph E. Engberg, New York, N. Y., assignors, by mesne assignments, to Allied Control Company, Inc., New York, N. Y., a corporation of New York
Application March 14, 1944, Serial No. 526,377
2 Claims. (Cl. 200—144)



2. A switch according to claim 1 characterized by a pair of air-tight chambers each compris-

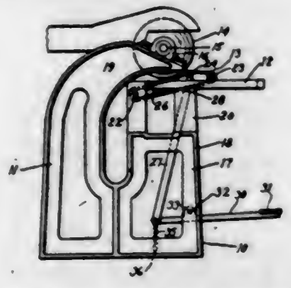
ing two rigid metal end members interconnected by a metal bellows member, means supporting said chambers with one end member of each chamber fixed and the other end member capable of movement toward and away from the fixed end member and arranged for engagement by said bridging member, a contact supported by each member of a chamber within said chamber with one contact of each chamber insulated from its supporting member, and a conductor leading through each stationary end member to the contact supported thereby.

2,407,379
COMBINATION BACTERICIDAL AND ILLUMINATING LAMP
Walter Bertram Morehouse, Auburndale, Mass.
Application December 22, 1941, Serial No. 423,920
9 Claims. (Cl. 176—122)



9. A combined bactericidal-and-illuminating lamp comprising an ultraviolet positive-column-discharge lamp containing mercury vapor, and means for producing a discharge through the lamp to generate sterilizing ultra-violet rays, the lamp having a wall a portion of which is transparent to the sterilizing ultra-violet rays generated within the bulb, the bulb being adapted to be positioned with the said portion of the wall so disposed in a region that the ultra-violet rays may travel through the said portion of the wall into the region to sterilize the region, and a portion of the wall being coated with a fluorescent substance that when impinged upon by the ultra-violet rays will produce luminescent rays that may travel through the first-named portion of the wall to illuminate the region.

2,407,380
MACHINE FOR TREATING SKINS AND THE LIKE
Bernard C. Nelson, Norwood, Mass.
Original application July 18, 1942, Serial No. 451,461. Divided and this application April 4, 1945, Serial No. 586,515
4 Claims. (Cl. 69—27)

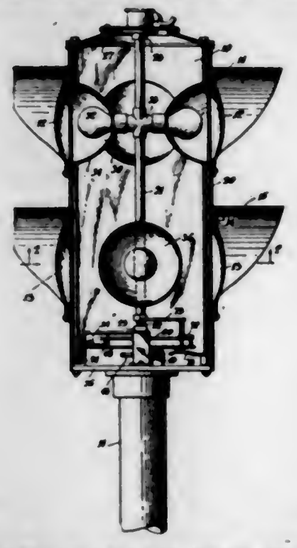


1. A skin treating machine comprising a circular drum, heating means within said drum, said drum having a plurality of substantially V-shaped grooves, the junction point of which is positioned on either side of the circumferential medial line of said drum, a series of parallel straight circumferential grooves crossed by a series of parallel straight grooves in said drum, said grooves being less in depth than said V-shaped grooves, said straight and V-shaped grooves being uniformly spaced around the entire drum.

2,407,381
MEANS AND METHOD FOR TRANSMITTING SECRET INTELLIGENCE
Charles Pecher, Berkeley, Calif., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 2, 1941, Serial No. 396,363
3 Claims. (Cl. 250—106)

1. The method of recording normally invisible intelligence capable of interpretation by making a contact radiograph thereof which comprises dissolving a colorless soluble radioactive material in a colorless liquid medium, applying the solution to a first carrier, applying said first carrier to a second carrier, and thereafter exposing said second carrier to a radiation sensitive surface to produce a visible image thereon.

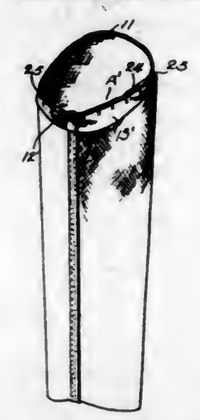
2,407,382
TRAFFIC LIGHT
Frank T. Powers, Glen Cove, N. Y.
Application July 21, 1943, Serial No. 495,568
12 Claims. (Cl. 116—63)



9. In a traffic or signal light, the combination of a vertical shaft having an upper pair of oppositely extending light units and a lower pair of oppositely extending light units at right angles to the first units, means for intermittently oscillating said shaft a quarter turn and causing it to dwell at the end of each oscillation, including a pivoted arm having projections on either side of its pivot, a driven disc eccentric with respect to the arm and carrying variably positionable members engageable with one or another of said projections to move the arm and shaft first in one direction and then the other, the times of movement being determined by the variably positionable members.

2,407,383
GARMENT SLEEVE
William T. Previdi, Englewood, N. J.
Application April 17, 1944, Serial No. 531,393
8 Claims. (Cl. 2—125)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A garment sleeve having a single seam and having a folded underarm extension comprising a portion of the sleeve on each side of the seam extending above the normal top line of the sleeve and folded back on itself to substantially the normal top line of the sleeve, the fold-forming portions being indented at their seam edges at

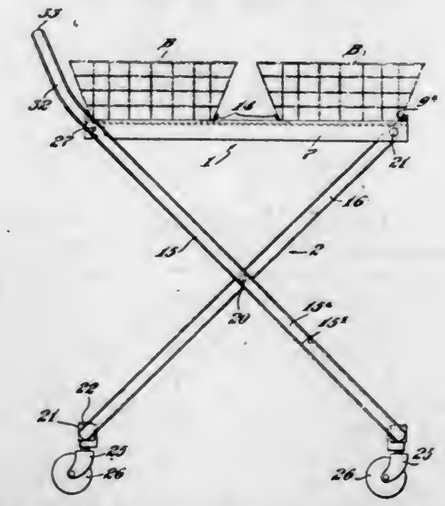


the fold line, whereby the fold is automatically formed at the desired point by the tension produced by the indentations when the side edges of the sleeves and extended portions are seamed together.

2,407,384
SYNTHETIC FOG OR SMOKE
Alexander J. Ritchie, Bayonne, N. J., assignor to Electric Boat Company, Bayonne, N. J., a corporation of New Jersey
No Drawing. Application January 1, 1943, Serial No. 471,079
5 Claims. (Cl. 252—305)

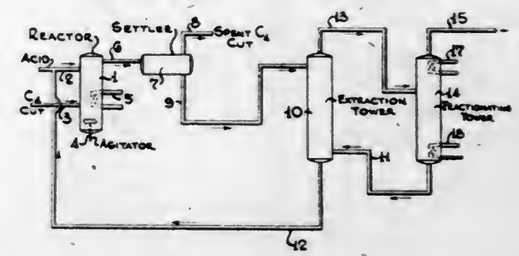
1. A composition of matter for producing synthetic fog or smoke consisting of titanium tetrachloride and containing phosphorus in an amount not over 0.2% by weight based on the weight of the titanium tetrachloride.

2,407,385
COLLAPSIBLE WHEELED TRAY
Irving Rubin, Brookline, and Julius B. Meltz, Everett, Mass.
Application November 28, 1944, Serial No. 565,460
13 Claims. (Cl. 280—41)



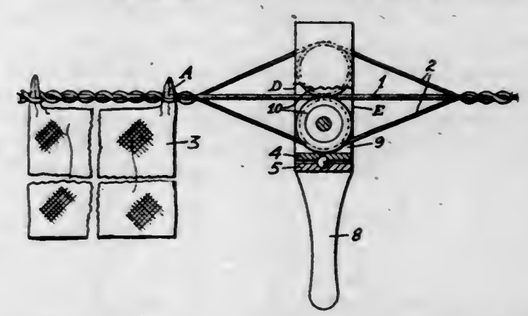
1. A portable tray of the class described, comprising a rigid substantially rectangular platform designed to receive articles to be supported, a support for the platform comprising two pairs of crossed legs, corresponding legs of the two pairs being rigidly connected near their lower ends, a wheel arranged adjacent to the lower end of each leg, pivot means uniting the upper end of one leg of each of the two pairs to the platform near one end of the latter, and a transversely extending rod having its opposite ends rigidly and permanently united to the upper ends respectively of the other legs, the opposite end of the platform having notches designed to receive the rod thereby to hold the platform in its normal elevated position, and detent means operative to prevent accidental disengagement of the rod from said notches.

2,407,386
RECOVERY OF SECONDARY OLEFINS FROM ACID EXTRACTS
Harold W. Scheeline, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 14, 1942, Serial No. 430,872
3 Claims. (Cl. 260—677)



1. Improvements in the separation and concentration of a secondary olefin from a hydrocarbon mixture containing the said secondary olefin which comprises contacting a hydrocarbon mixture containing a secondary olefin with sulfuric acid of about 75%–90% concentration, thereby forming a solution of the secondary olefin in said acid, extracting the secondary olefin from said acid solution by means of a saturated hydrocarbon compound, the said saturated hydrocarbon compound having at least 20° C. difference in boiling point from the secondary olefin, capable of dissolving the secondary olefin and separable from the said secondary olefin by fractionation.

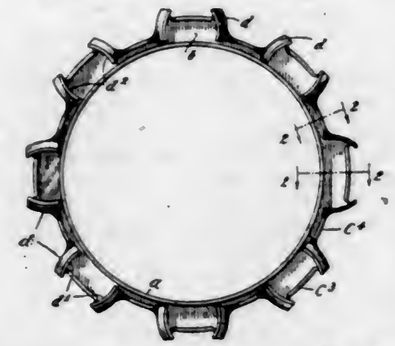
2,407,387
CLOTHESLINE
Mary E. Seymour, Wichita, Kans.
Application April 3, 1944, Serial No. 529,321
1 Claim. (Cl. 211—119.01)



In a clothes line of the class described, in combination, a straight strand of wire of suitable gauge to carry the weight of laundry when the laundry is placed thereon, a pair of pliable strands simultaneously wound and running in spaced relation along and around the straight strand of wire to bind laundry to said wire, said strands having a suitable support for their terminal ends to carry the same, said pliable strands having a separating means for separating the pliable strands from each other and

from said straight strand of wire as the separating means is moved therealong, the separating means comprising a pair of ring-like annular elements, one annular element being placed within the other and having their confronting peripheral surfaces grooved, and balls being placed in the grooves, the outer ring-like element having a handle thereon to convey the said separating means along the clothes line, the inner element having cross bars diametrically positioned and spaced apart, and a pair of grooved rollers journalled on the bars therebetween and peripherally engaging to roll in unison and their grooves being greater in size than the diameter or gauge of the straight strand of wire to avoid friction as the rollers turn, said rollers being turned by the two pliable strands that engage in the grooves of their respective rollers to separate the strands from each other and said straight strand.

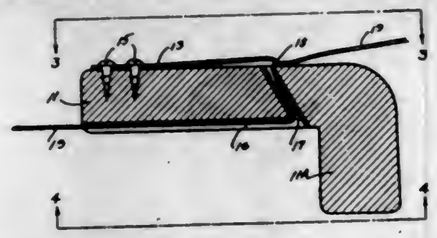
2,407,388
CAGE FOR BALL BEARINGS
Charles Henry Smith and Ernest George Longman, Chelmsford, England, assignors to Norma Hoffmann Bearings Corporation, Stamford, Conn.
Application June 8, 1945, Serial No. 598,302
In Great Britain June 12, 1944
1 Claim. (Cl. 308—201)



In a cage for ball bearings of the one-piece open sided type the combination of an annular channel section side member, a plurality of limbs rigidly supported at their base portions by said channel section side member and integral therewith, each limb having a twist and each pair of adjacent limbs having twists in opposite directions, and having their outer ends in substantially radial planes and of circumferential resiliency and acting as cantilever leaf springs and having their base portions concentric with the axis of the cage, the adjacent inner surfaces of said pairs of wings forming pockets each to hold the ball, and the adjacent outer surfaces of said pairs of limbs forming non-pocket forming surfaces.

2,407,389
MASON'S GUIDE
George Stevens, Campbell, Ohio, assignor of one-third to Pete Parthemos, Youngstown, Ohio
Application January 29, 1945, Serial No. 575,147
2 Claims. (Cl. 33—86)

1. A pair of body members and a section of guide line forming a mason's guide, each of the body members consisting of a section of material having a projection formed on one end thereof at right angles thereto to form a bracket for engaging a masonry corner, an axially extending channel formed in the said section of material and an angular passageway through said section of material, the said channel and passageway providing for the reception of the said guide line and for snubbing said guide line, a leaf spring affixed to the said section of material and

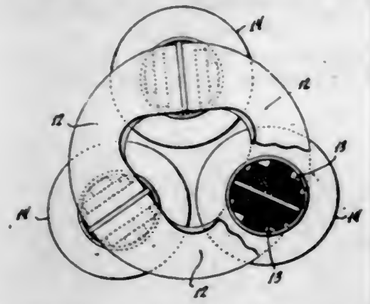


normally engaging the said guide line, so as to hold it against slipping in the passageway to insure the snubbing action.

2,407,390
CHEMICAL PROCESS
Charles H. Watkins, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 17, 1943, Serial No. 483,498
16 Claims. (Cl. 260—683.4)

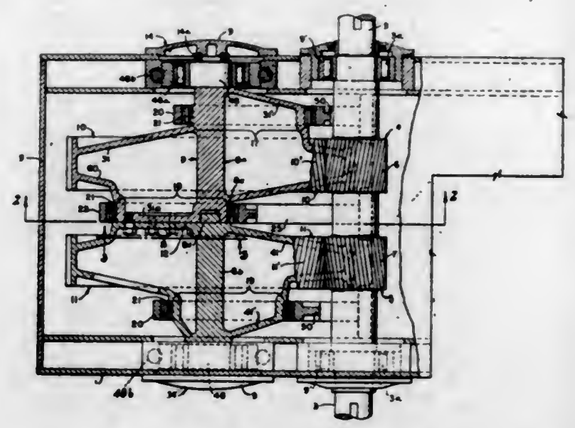
1. Process of alkylating propylene with isobutane which comprises contacting the propylene with an excess of isobutane in the presence of a liquid aluminum chloride-hydrocarbon complex as the alkylating catalyst formed by contacting for an extended period of time aluminum chloride with isobutane and propylene.

2,407,391
METHOD OF MAKING THREE-PHASE TRANSFORMERS
Arthur R. Woolfolk, Wauwatosa, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Original application November 29, 1943, Serial No. 512,134. Divided and this application May 3, 1945, Serial No. 591,705
3 Claims. (Cl. 29—155.57)



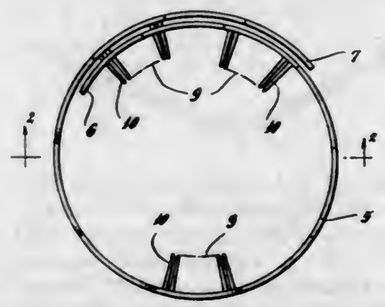
1. The method of making a three phase transformer comprising forming three closed cores of wound magnetic ribbon each core having a pair of straight leg portions, clamping the straight leg portions of each core and turning the clamped straight leg portions to place the planes of the ribbon in one straight leg portion at an angle to the planes of the ribbon in the other straight leg portion for each core and allowing the end portions to arch outwardly at each end of each core, annealing the cores while they are clamped and while the straight leg portions for each core are held in their angular relation to each other, assembling the cores with the outer faces of adjacent cores arranged back to back, and winding three conducting winding assemblies around the straight leg portions of the cores with each winding assembly surrounding a straight leg portion of each of two adjacent cores.

2,407,392
DRIVE FOR TRIPLEX PUMPS
Albert A. Ashton, Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application January 15, 1945, Serial No. 572,816
9 Claims. (Cl. 74—44)



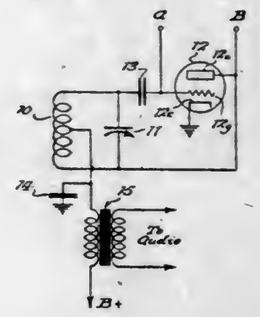
1. In a driving mechanism including a power receiving drive shaft having pinions thereon; a driven shaft associated therewith and having a duplex driven gear unit thereon, the teeth of the respective pinions and gear wheels being in mesh: an eccentric on the driven shaft between the gear wheels of said duplex unit; a connecting rod having an eccentric strap embracing said eccentric the teeth of one pinion and gear wheel meshing unit being inclined in a direction substantially opposite to the direction of inclination of the teeth of the other meshing pinion and gear wheel unit to thereby preclude and obviate side thrust of said shafts.

2,407,393
LADY'S HAIR ORNAMENT
Siegfried Behr, Flushing, N. Y.
Application July 14, 1945, Serial No. 605,102
1 Claim. (Cl. 132—46)



A lady's hair ornament comprising a split annular flexible body portion formed of plastic material with spaced openings therearound, the end portions of said body portion yieldingly positioned in overlapping relation, spaced comb sections formed integrally with the lower edge of said body portion, the teeth of the separate comb sections being positioned close together and extending inwardly at right angles to the body portion, protuberances on the outer surface of one of said overlapping end portions and a ring member of plastic material carried on the other end portion adapted to coact with said protuberances for yieldingly holding the end portions in overlapping relation.

2,407,394
SELF-QUENCHED SUPERREGENERATIVE RECEIVER
Edmund E. Birr, Kenmore, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y.
Application June 29, 1944, Serial No. 542,713
5 Claims. (Cl. 250—20)



1. In a superregenerative receiver of the self-quenching type, in combination, a tuned circuit, a thermionic vacuum tube connected thereto having an anode, a cathode, and a control electrode, and a resistance connected between the control electrode and one of the other electrodes of said tube, said resistance having a relatively high value at quench frequencies and a relatively low value at desired signal frequencies.

2,407,395
HECTOGRAPH BLANKET AND METHOD OF PREPARING SAME
Robert C. Bour, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application February 13, 1942, Serial No. 430,742
3 Claims. (Cl. 117—35.6)

1. A hectograph blanket comprising a hydrophilic gelatinous copy mass, a backing and an intermediate bonding agent of the drying oil type, said copy mass containing a cation active wetting agent consisting essentially of a long chain aliphatic group attached to a radical capable of ionizing in solution in such a way that a positive charge is assumed by the long chain group.

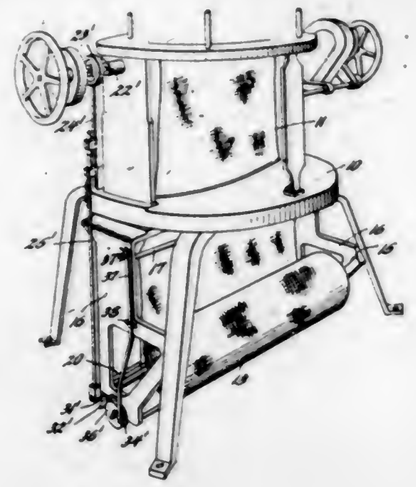
2,407,396
STABILIZATION OF TETRAFLUOROETHYLENE
Merlin Martin Brubaker, Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 15, 1943, Serial No. 476,027
10 Claims. (Cl. 260—652.5)

1. Tetrafluoroethylene stabilized with sufficient hydrocarbon thiol to prevent polymerization of the tetrafluoroethylene at 25° C. and superatmospheric pressure.

2,407,397
FABRIC TAKE-UP AND TENSION MEANS FOR CIRCULAR KNITTING MACHINES
Raymond H. Carhart, Philadelphia, Pa., assignor to H. Brinton Co., Frankford, Philadelphia, Pa., a corporation of Pennsylvania
Application January 21, 1944, Serial No. 519,174
4 Claims. (Cl. 66—149)

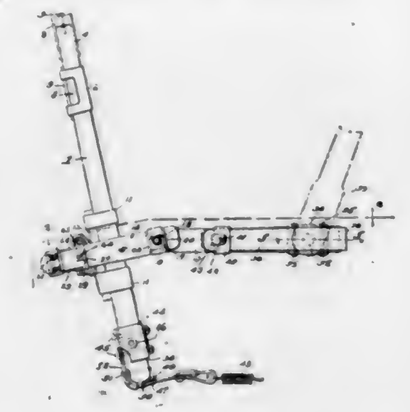
1. In a knitting machine, a take-up for the forming fabric comprising a fabric roll, a roller

in frictional engagement with said fabric roll, pawl and ratchet means at each end of said fabric roll for driving said roller, the driving pawl of



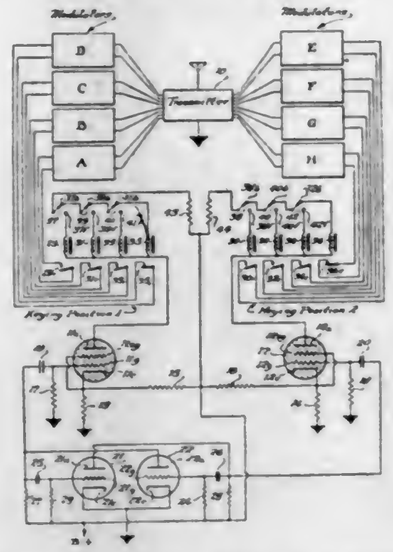
each of said means being constructed and arranged to act on said roller while the other driving pawl is making its return stroke.

2,407,398
PICKER STICK
Harold Carlson, North Franklin, Conn.
Application May 23, 1945, Serial No. 595,443
1 Claim. (Cl. 139—151)



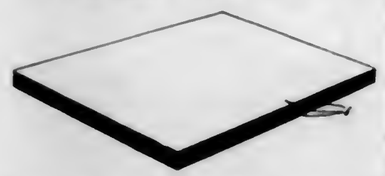
The combination with a picker stick, a cushioning strip thereon, and collars embracing the picker stick and constituting means for holding the cushioning strip in position, of a link embracing the picker stick between the collars for attachment to a sweep stick, said link having a longitudinal slot in which the picker stick is mounted to work, and a cushioning pad interposed between one wall of the slot and the picker stick for engagement with the cushioning strip on the picker stick, said pad including overlying strips of flexible material folded upon themselves to form a single loop, at its sides the loop being cut away below the fold in the pad to receive and be supported solely by the sides of the link thereby to hold the fold portion of the loop in position to contract and expand when subjected successively to pressure by and release from the picker stick, those portions of the strips between the cut away side being extended across the slot and the link.

2,407,399
DUPLEX CONTROL CIRCUIT
Robert W. Carlson, Depew, and Madison G. Nicholson, Jr., Snyder, N. Y., assignors to Colonial Radio Corporation, Buffalo, N. Y.
Application July 24, 1944, Serial No. 546,404
15 Claims. (Cl. 179—15)



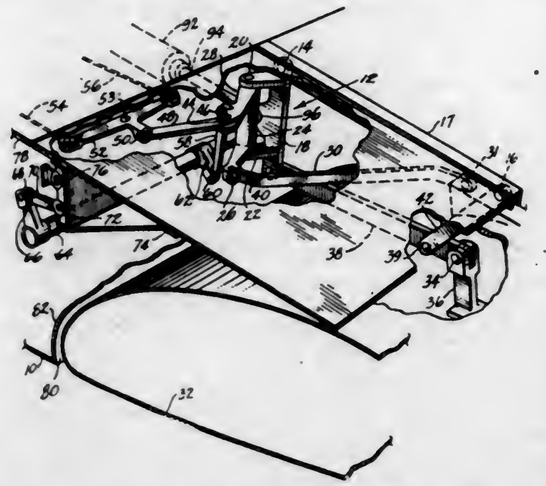
1. The combination with a transmitter, of a plurality of banks of modulators, each bank comprising a plurality of modulators, each arranged to impress its characteristic modulation on the transmitter, a switch for controlling each modulator respectively, and means for causing sequential operation of the modulators when two switches controlling molulators in different banks are closed simultaneously.

2,407,400
METHOD AND APPARATUS FOR MOLECULAR ABSORPTION OF VIBRATION
Clark W. Chamberlain, East Lansing, Mich.
Application April 20, 1944, Serial No. 531,900
7 Claims. (Cl. 188—1)



1. A device of the class described including an enclosing envelope comprising, a lower member of metal depressed within the peripheral portions thereof to form a recess and flange portions around the recess and a similar upper member reversed with respect to and positioned over the lower member, with flange portions of the envelope members in engagement with each other and permanently secured together, and a plurality of thin sheets of metal in superimposed relation located in the recessed portions of said plates, said sheets at opposing surfaces having liquid applied thereto and with all excess liquid removed to leave a liquid film of a thickness only of the molecules of such liquid as are held by molecular attraction of the metal thereon, said envelope plates bearing against the upper and lower sheets of said plurality of sheets to place them under pressure which forces free air from between the superimposed sheets and leaves a film of air attached to and held by molecular attraction of the liquid films.

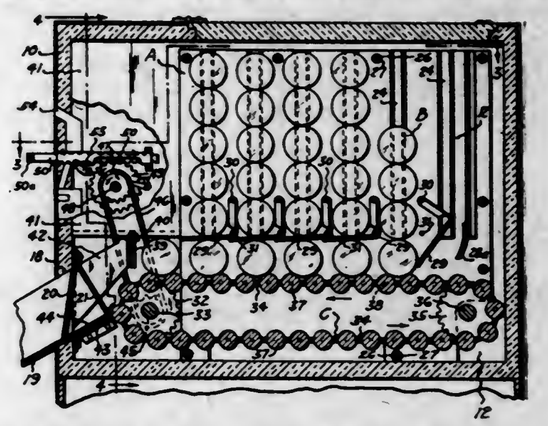
2,407,401
LATERAL CONTROL ARRANGEMENT
Francis H. Clauser, Santa Monica, and Carlos C. Wood, West Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application September 8, 1941, Serial No. 410,098
22 Claims. (Cl. 244—42)



1. In a lateral control device for aircraft, a main supporting airfoil, a control member spaced from the trailing edge of said main supporting airfoil to form a slot therebetween, said member being disposed spanwise of said main airfoil for pivotal movement about an axis, a second control member normally disposed in slot closing relation with said main supporting airfoil and said first named control member and adapted to pivot about an axis substantially parallel to the pivotal axis of said first named control member, unitary means operable by the pilot and independently connected to each of said control members for imparting simultaneous movement to said control members about their respective axes, and means associated with said first named means for changing the position of the axis of said first named control member with respect to the main supporting airfoil and with respect to its spacing from the axis of said second control member, said unitary means being adapted to retain control of both of said control members at all the spacing of said control member axes as determined by said first control member axis changing means.

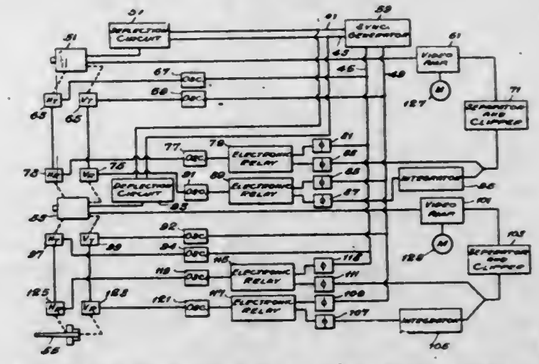
2,407,402
DISPENSING DEVICE
James R. Clem, Dallas, Tex.
Application July 27, 1942, Serial No. 452,442
7 Claims. (Cl. 312—46)

2. A bottle dispensing device including, a casing having a discharge opening in one wall thereof, means within the casing for storing a plurality of bottles in vertical rows, a pivoted supporting element at the lower end of each row of bottles and adapted to support said row when in one position, swinging of the element to another position permitting the bottles of said row to fall downwardly below said element, the element being angular and having an upstanding portion contiguous to and engaging the lowermost bottle of an adjacent rearward row when in its supporting position whereby swinging of said element to its discharging position is prevented until after discharge of the bottles from said adjacent rearward row, and a conveyor below the bottles for receiving said bottles when the supporting elements are swung to allow downward movement of the bottles, the bottles upon the conveyor supporting the elements in their supporting position,



said conveyor extending to a point adjacent the discharge opening whereby said bottles are delivered to said opening and discharged therethrough.

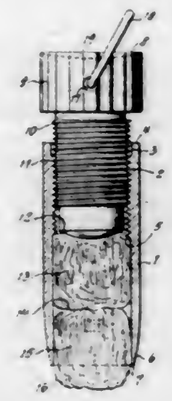
2,407,403
TELEVISION CONTROL SYSTEM
Robin D. Compton, Westport, Conn., assignor to Radio Corporation of America, a corporation of Delaware
Application August 12, 1942, Serial No. 454,529
6 Claims. (Cl. 172—239)



1. A control system for aiming and directing a controlled device comprising a first and a second television camera each directed to receive optical images from a predetermined field of view toward at least a portion of which the said controlled device is adapted to be aimed, means to derive separate video signal outputs from each of the cameras, a standard signal generator to control the normal rate at which video signals are derived and to stabilize the operation of each of the cameras to a synchronous state, Selsyn drive means connected between the first and second television cameras, said drive means comprising a Selsyn transmitter and a Selsyn receiver for transferring control energy between the first camera and the second camera, said energy transfer being representative of motional shifts of the first camera from a predetermined normal position in both a vertical and a horizontal plane, means to supply energy to both of the said Selsyn means, separator and clipper means to derive control energy from the video signals of the first camera, relay means to control the Selsyn receiving means under the influence of the sync generator during periods of video signal interruption and from the video signals separated from the control signals during periods of video signal development whereby tracking of the second camera with the scene of action scanned by the first camera is effected, and a like system including a

pair of Selsyn transmitters and receivers connected between the second camera and the controlled device, and means comprising a separate separator and clipper unit and relay means to effect a similar operation of the Selsyn receiver means associated with the controlled device which control is effected under the influence of the video signals developed by the second camera.

2,407,404
PAD HOLDING AND FEEDING DEVICE
Murray Dessaur, Bronx, N. Y., assignor to Murray Dessaur and Richard D. Gale
Application October 23, 1944, Serial No. 559,972
1 Claim. (Cl. 15—209)

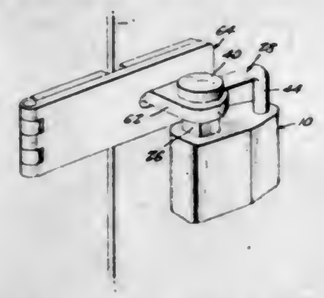


A pad holding and feeding device comprising an elongated hollow cylindrical container open at both ends, the inner surface thereof at the upper end only being threaded, an externally threaded plunger cooperating with said threaded surface, the diameter of said plunger being uniform throughout its length except the lower end thereof which is slightly less in diameter so as not to contact with said threaded surface, a head on the top of said plunger of larger diameter than the threaded portion of said plunger, the inside surface of the lower end of said container and the outside surface of said lower end of said plunger both being smooth, a plurality of steel wool pads in said lower end of said container and placed in end to end contact, the diameter of said pads being equal to that of said lower end of said container, the inner end of the inner pad contacting the lower end of said plunger and the outer end of the outer pad protruding outward from the lower end of said container, said plunger having longitudinal and rotational movement relative to said container to cause the lowermost pad to protrude from the lower end of the container as the steel wool extending from the container is consumed.

2,407,405
STABILIZATION OF TETRAFLUOROETHYLENE
Melvin Adam Dietrich, Claymont, and Robert Michael Joyce, Jr., Marshallton, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 15, 1943, Serial No. 476,028
7 Claims. (Cl. 260—652.5)

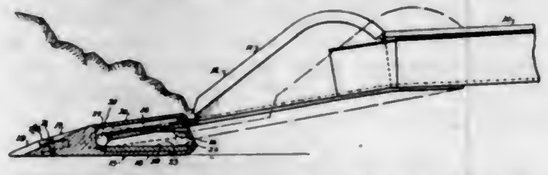
1. Tetrafluoroethylene stabilized with sufficient ethylenically unsaturated hydrocarbon to prevent polymerization of the tetrafluoroethylene at 25° C. and superatmospheric pressure.

2,407,406
PADLOCK
Howard B. Dutton, Des Moines, Iowa
Application May 27, 1943, Serial No. 488,717
3 Claims. (Cl. 70—38)



1. A padlock for use with hasps, comprising a casing having a rotatable key cylinder therein with an eccentric cam pin, the casing having first and second openings to either side of the cylinder, the first opening having a larger diameter than said second opening, a chamber above the cylinder to receive the cam pin and communicating with the first opening, a heavy pin having a substantially rectangular cross-sectional contour in said first opening and formed with a notch, a circular shoulder on the pin, a bolt engaging the notch and retractible by the cam pin upon turning of the cylinder by a key, a guide having a portion secured at right angles to the shoulder and a part depending from said portion and substantially parallel with the pin and receivable in the second opening in the casing for limited sliding movement, means for limiting the sliding movement, and means for sliding the guide to release the pin when the bolt is disengaged from the notch.

2,407,407
SHAKER CONVEYER
Herman R. Eberle, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 26, 1944, Serial No. 569,774
9 Claims. (Cl. 198—14)

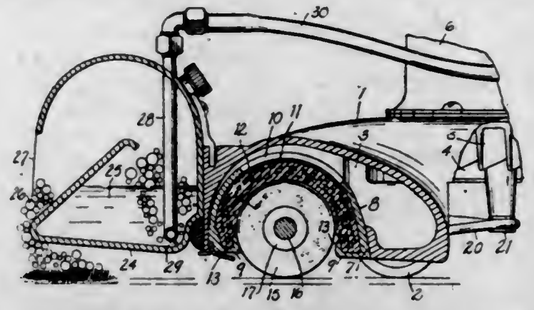


1. In a shaker conveyer loading device, a reciprocating trough having a shovel forming a continuation of its forward end and including a nose slidably connected with the forward end of said shovel so as to be advanced or retracted by extensible or retractible movement of said reciprocating trough, but remaining stationary during reciprocable movement of the conveyer when loose material is piled on said nose.

2,407,408
CARPET AND RUG CLEANING MACHINE
Carl E. Erickson, Kalamazoo, Mich.
Application September 18, 1943, Serial No. 502,857
9 Claims. (Cl. 15—98)

1. In combination in a vacuum cleaner including a casing adapted to be translated over the surface to be cleaned and having a vacuum chamber therein with a downwardly facing opening, of a downwardly facing elongated housing member of channel section having inturned

flanges at its edges and a longitudinal screened opening at the top thereof communicating with said vacuum chamber for passage of air from said housing into said vacuum chamber when the housing member is in operative position within said opening in said vacuum chamber, a driven brushing and wiping member rotatably and removably mounted in said housing member to be removed therewith and comprising a shaft, a plurality of circular disks arranged on said shaft in spaced relation with substantial portions of their peripheral edges free, a foraminous cleaner and filter element of resilient cellular material removably arranged in said housing



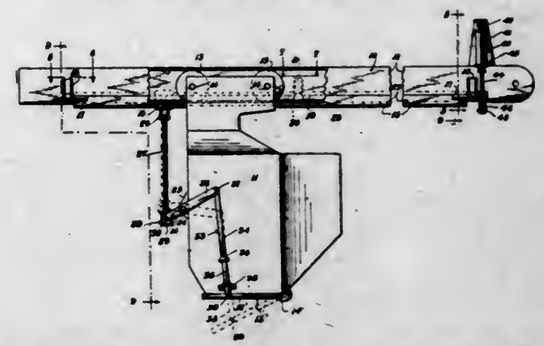
with its edges in supported engagement with said flanges thereof to present a downwardly facing curved transverse channel embracing a substantial portion of said brushing and wiping member, the edge portions of said disks being in wiping engagement with said cleaner element as the brushing and wiping member rotates, said cleaner element absorbingly removing moisture with dirt from said disks, said cleaner element being disposed over said screened opening for passage of air therethrough from said housing into said vacuum chamber, and means for discharging a cleaning fluid upon the surface to be cleaned in advance of and independently of said brushing and wiping member.

2,407,409
NONFRICTION BEARING BALL DISPENSER
Jack D. Farries, Petersburg, Va.
Application December 8, 1944, Serial No. 567,275
6 Claims. (Cl. 29—201)



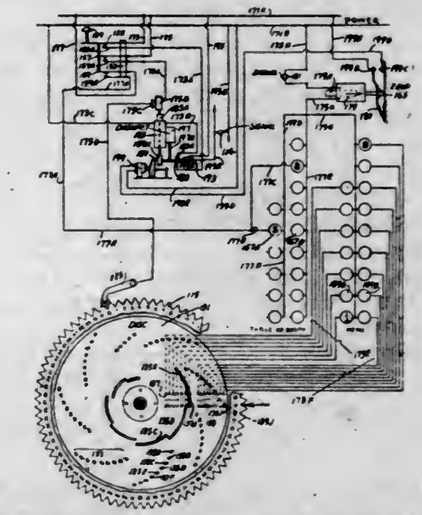
1. A bearing ball dispenser comprising a tubular magazine having an inlet in the top thereof for the reception of a supply of bearing balls and an outlet in the bottom thereof for communication with a ball-receiving circuit, said magazine having an indicating slot at substantially the elevation of the top of a column of balls of predetermined number, a stop movable into said slot to restrain said column at the top thereof, a push rod insertable in said magazine to discharge said column therefrom, means associated with said magazine near the bottom thereof to support said column and yieldable to permit the passage thereof upon operative application thereto of said push rod.

2,407,410
LEVER-TRACK CONTROLLED BOOM BUCKET CLOSURE
James H. Fitzgerald, Westfield, N. J.
Application April 21, 1945, Serial No. 589,651
14 Claims. (Cl. 214—59)



2. Apparatus of the class described comprising a boom, a conveyor bucket movably mounted thereon, said bucket having an outlet, closure means for the outlet, a track member pivoted on the boom, an operating means for said closure means interengaged with and movably mounted by the track member, and actuating mechanism to move said track member as a lever relatively to the boom to control the position of said closure means.

2,407,411
MENU SELECTOR AND RECORDER
Frank L. Folis, Memphis, Tenn.
Application May 25, 1944, Serial No. 537,341
4 Claims. (Cl. 177—339)



1. In apparatus of the character described, a tabulating mechanism having depressible keys in banks, and electrically actuated printing and clearing mechanisms, including a depressible key for initiating actuation thereof; two groups of solenoids respectively disposed in operative relation above keys of adjacent said banks, and an additional solenoid overlying said actuating mechanism key; and control and energizing

means including a source of electric current; actuators positioned respectively at each of a plurality of stations, each said actuator including a circuit selector, open circuits energizable by said source extending respectively each from a said actuator to said tabulator, a first of said circuit including open leads extending in parallel from said actuator each respectively to a solenoid of one said group; a second said circuit including a plurality of leads insulated from said selector and extending therefrom each respectively to a solenoid of the second said groups, all said circuits including a joint return lead through said additional solenoid to said current source, said actuators each respectively including means manually operable to shift said selector into electrical contact with desired leads of said second group, and manually operable means for closing all said circuits leading therefrom.

2,407,412
THERAPEUTIC SOLUTIONS
Douglas V. Frost, Waukegan, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application August 15, 1942, Serial No. 454,919
10 Claims. (Cl. 167—81)

1. A therapeutic composition comprising an acidic aqueous solution containing at least about 1 mg. of riboflavin per cc. and at least about 50 mg. of nicotinamide per cc. and a small amount of acidic material sufficient to maintain said solution at a pH of 4 to 6.6.

2,407,413
PLASTICIZED STYRENE-MALEIC RESIN COMPOSITION
Howard L. Gerhart, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application May 24, 1941, Serial No. 395,062
11 Claims. (Cl. 204—158)

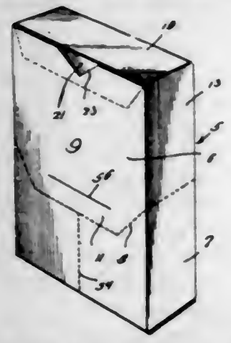
1. A method of forming clear, hard and strong plasticized bodies of styrene-maleic anhydride resin, which method comprises admixing styrene, maleic acid and methyl levulinate and then subjecting the styrene and maleic acid to polymerization to form the resin in the presence of dissolved methyl levulinate.

2,407,414
VARIABLE PITCH PROPELLER
Kenneth Bryan Gillmore and George Henry Fitzroy Brown, Hatfield, England, assignors to The De Havilland Aircraft Company Limited, Hatfield, England
Application July 7, 1942, Serial No. 450,031
In Great Britain April 15, 1941
2 Claims. (Cl. 170—135.6)



1. Control mechanism for variable pitch airscrews, comprising a pitch-change input drive gear, a cage mounted coaxially of and for rotation relative to the airscrew shaft, pitch-change control gearing and pitch-change reaction gearing; each such set of gearing including two spaced shafts journaled within said cage and a gear on each shaft intermeshing to reverse the relative sense of rotation of the two shafts, the reversing gears of one set being split to locate one half axially distant from the companion intermeshing half on each shaft thereof, the pitch-change reaction gearing further including a sun gear within the cage rotatable with the airscrew shaft and meshed with one of its reversing gears, and a second sun gear within the cage secured to a static anchorage and meshed with the second of its reversing gears; the pitch-change control gearing further including a split sun gear, one half being external of the cage and operatively connected to the pitch-change input drive gear and the other half being internal of the cage and meshed with the distant half of one of the split reversing gears, and also including a second split sun gear, of which one half is internal of the cage and meshes with the distant half of the second of the split reversing gears, and the other half is external and operatively connected to the airscrew blades.

2,407,415
DISPENSING PACKAGE
Joseph S. Graziano, Joliet, Ill.
Application May 17, 1944, Serial No. 535,979
3 Claims. (Cl. 229—7)

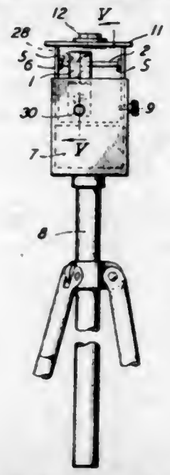


1. A dispensing package comprising an integral major container including upper and lower separable sections, said sections being severable along a horizontal score line intermediate the top and bottom of the container, said container including a bottom on the lower end of the lower section and having an opening therein, a follower comprising an open-top supplemental container slidably positioned in the major container and operable through the medium of an object inserted through the bottom opening of the major container to move the contents of the major container from the lower section into the upper section thereof, said score line having offsets therein, and flaps on the lower edge of the upper section of the major container formed by said offsets and adapted upon removal of the lower section of the major container for folding into overlapping relation to close the bottom of said upper section of the major container.

2,407,416
LEVEL OR LIKE SURVEYING INSTRUMENT
John Ejnar Gudmundson, Brakpan, Transvaal, Union of South Africa
Application April 12, 1944, Serial No. 530,710
In the Union of South Africa April 13, 1943
7 Claims. (Cl. 88—2.2)

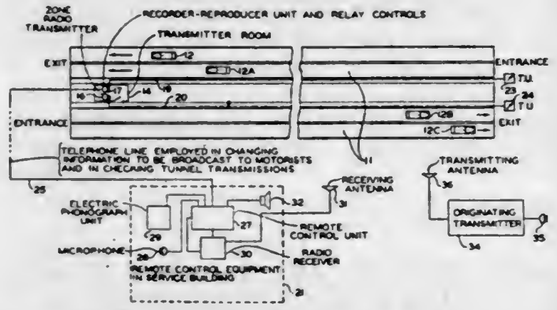
1. A surveying instrument of the character described, which comprises a supporting staff, an upwardly open frame housing mounted on said staff, an open-sided mirror frame slidably disposed in said housing and upwardly withdrawable therefrom, means for determining the extent

of relative movement between said frame and housing and for retaining the latter against relative movement, a trunnion pin oscillatably journaled in said frame, a mirror secured to said trunnion pin intermediate the ends thereof, said



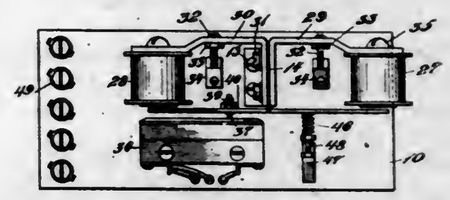
mirror being provided on its face with a horizontal datum line in line with the top of said trunnion pin, and means for adjusting the effective center of gravity of said mirror with respect to the axis of said trunnion pin for maintaining the mirror face in a truly vertical plane.

2,407,417
COMMUNICATIONS SYSTEM
William S. Halstead, Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Fort Wayne, Ind., a corporation of Delaware
Application December 19, 1944, Serial No. 568,835
22 Claims. (Cl. 179—2)



1. In an inductive communications system for establishing communications within a predetermined signaling area, a transmitter, a signal conducting means connected to the output of the transmitter for establishing a substantially predetermined signaling area, said signal conducting means being disposed substantially parallel to the desired longitudinal extent of said substantially predetermined signaling area, a receiver, means connected to the input of the receiver and disposed within the effective signaling area for receiving signals impressed upon the signal conducting means, a remote control apparatus having means for modulating and monitoring the transmitter and receiver respectively, and a selective switching mechanism connected between the remote control apparatus and said transmitter and receiver for connecting either the transmitter or the receiver to the remote control apparatus, to the end that the remote control apparatus may be connected to the transmitter for modulating said transmitter or to the receiver for monitoring transmissions in said predetermined signaling area.

2,407,418
RELAY DEVICE
Ludovic Hanff, Warwick, R. I.
Application July 4, 1942, Serial No. 449,835
6 Claims. (Cl. 175—339)

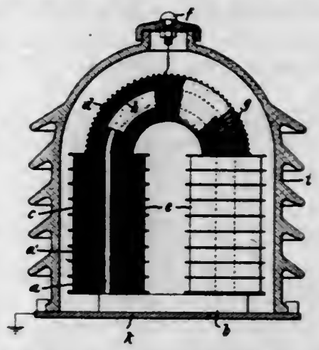


1. In combination a polarized armature comprising an elongated bar having notches in its opposite edges and a locating recess in one surface connecting said notches, fulcruming means comprising a portion to enter said recess and fingers to enter said notches to prevent movement laterally and longitudinally of said armature, and electromagnetic means having spaced poles adjacent the poles of the armature to rock the armature about its fulcrum.

2,407,419
STABILIZATION OF TETRAFLUOROETHYLENE
William Edward Hanford, Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 15, 1943, Serial No. 476,025
10 Claims. (Cl. 260—652.5)

4. Tetrafluoroethylene stabilized with sufficient tertiary hydrocarbon amine to prevent polymerization of the tetrafluoroethylene at 25° C. and superatmospheric pressure.

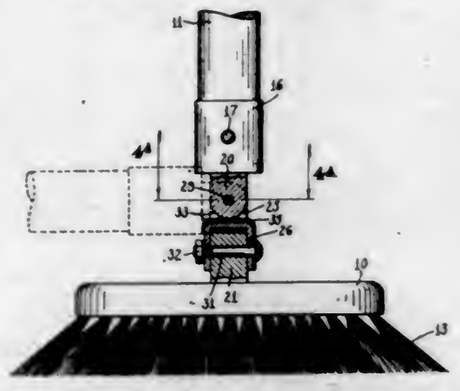
2,407,420
HIGH-VOLTAGE TRANSFORMER
Hans Hartmann, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland
Application September 9, 1943, Serial No. 501,696
In Switzerland August 4, 1942
7 Claims. (Cl. 175—356)



1. A high voltage transformer comprising a grounded U-shaped core closed by a yoke, a low voltage secondary winding including sections wound upon the legs of said core, a tubular insulating cover closely fitting said secondary sections and the portion of the core between the same, a high voltage primary winding on the legs of said core and closely fitting said insulating cover, said primary winding comprising a plurality of serially connected disc coils with a low voltage terminal adjacent an end of a leg of the core and a high voltage terminal adjacent the bend of the U-shaped core, and means suppressing edge effects at the high voltage ends

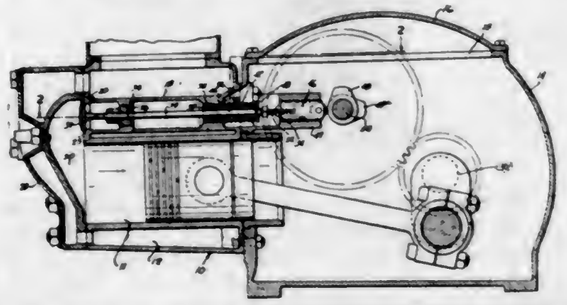
of said windings, said means comprising conducting layers at and closely adjacent the portion of the insulating cover enclosing the bend of the core and not covered by the primary.

2,407,421
FLOOR-CLEANING IMPLEMENT
Walter F. Herold, Easton, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application May 26, 1944, Serial No. 537,496
8 Claims. (Cl. 306—11)



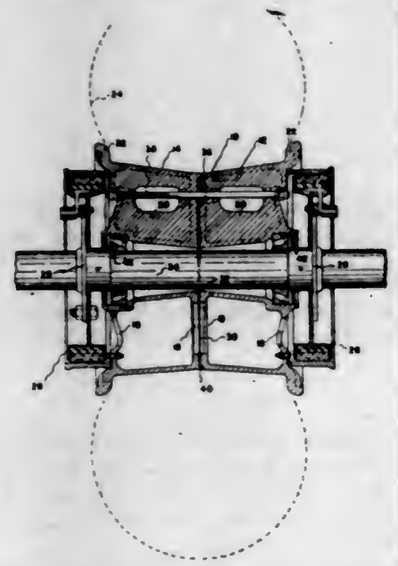
7. A floor-cleaning implement comprising a cleaning head adapted to be moved in contact with the floor, a long handle, a lug fastened to the back of the head, a lug fastened to the end of the handle, a frame intermediate said lugs comprising separate internested U-shaped clips having outstanding perforated arms, the perforations of said arms providing pivot axes one above the other and one at right angles to the other, pivot members engaging said perforations, said lugs having holes through which said pivot members are passed, said lugs being free to pivot about the axes of said pivot members so that the handle can be placed in any of a multiplicity of acutely angled positions with respect to a perpendicular line drawn to the back of the cleaning head.

2,407,422
ENGINE VALVE MOUNTING
Franklin G. Hobart, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application August 30, 1945, Serial No. 613,542
10 Claims. (Cl. 123—90)



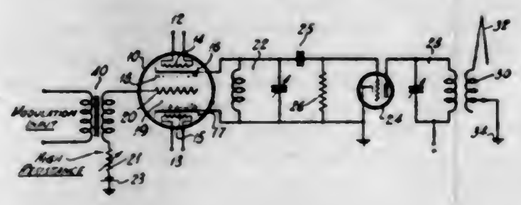
3. In an engine of the character described, a frame providing a cylinder and a housing longitudinally of the cylinder, a cylinder head overlying one end of the cylinder and the corresponding end of said housing, said housing end being adapted as a valve seat, relatively spaced elements in said housing each providing a tapered bore therethrough, tapered bushings seated in said bores, the maximum diameter of one of said bushings being less than the minimum diameter of the tapered bore receiving another of the bushings, and a valve stem having a valve head cooperable with said valve seat, extending longitudinally is said housing and through said bushings.

2,407,423
WHEEL STRUCTURE
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application April 2, 1945, Serial No. 586,221
2 Claims. (Cl. 188—152)



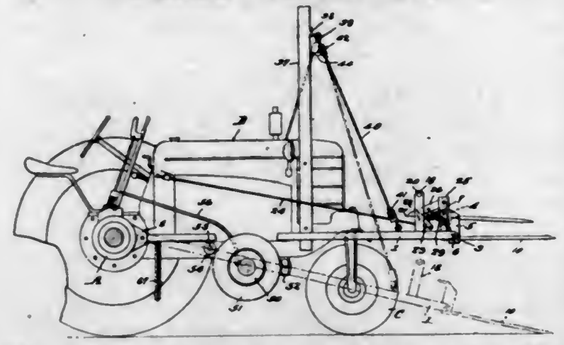
1. A wheel and brake assembly comprising an open work wheel structure having interior passages between the rim and hub, fluid operated brakes mounted on opposite sides of the wheel structure, and a shield extending between the rim and hub and walling off the interior of the wheel structure sealing the brake structures from each other through the interior of the wheel.

2,407,424
ELECTRON CAPACITY AND ELECTRON CAPACITY MODULATOR
R. Lee Hollingsworth, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 8, 1943, Serial No. 513,448
10 Claims. (Cl. 179—171.5)



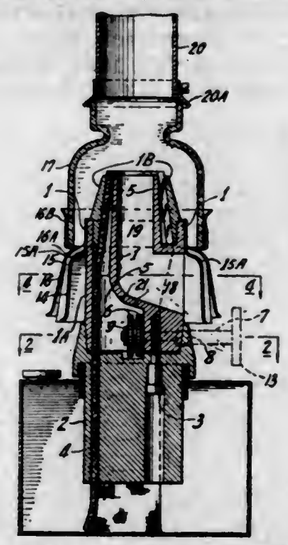
9. In a signalling system, a tube having two cathodes between which a capacitive effect is produced, a control element between said cathodes, a circuit coupled to said cathodes to be tuned by the capacitive effect developed therebetween, a source of control potential coupled between said cathodes and said control element, and means for varying said control potential in accordance with signals.

2,407,425
MATERIAL HANDLING ATTACHMENT FOR TRACTORS
Francis Horning and Howard Horning, Galion, Ohio
Application July 18, 1945, Serial No. 605,708
1 Claim. (Cl. 214—140)



The combination with a tractor or the like, of a frame mounted for up and down swinging movement relative thereto, said frame being extended forwardly beyond and to the sides of the tractor, a material engaging head carried by the frame, and means for raising and lowering the frame relative to the tractor, said means including a motor driven shaft having a friction wheel, a brake shoe spaced from the shaft, a transverse shaft mounted for up and down and back and forth swinging movement, a friction wheel on said shaft, a tire carried by the friction wheel and constituting a friction tread, said wheel and tire being interposed between and normally out of contact with the shoe and the wheel on the motor driven shaft, means for shifting said transverse shaft to position its friction wheel in contact with either the brake shoe or the wheel on the motor driven shaft, a windlass on the transverse shaft, and means actuated by the windlass for raising and lowering the frame relative to the tractor.

2,407,426
KEROSENE BURNER FOR USE IN REFRIGERATORS OR IN OTHER HEAT-ACTUATED APPARATUS
Georg Elis Jodell, Prahran, Victoria, Australia, assignor to Electrolux Pty. Limited, Sidney, Australia, an Australian company
Application August 2, 1944, Serial No. 547,715
In Australia August 18, 1943
4 Claims. (Cl. 158—94)



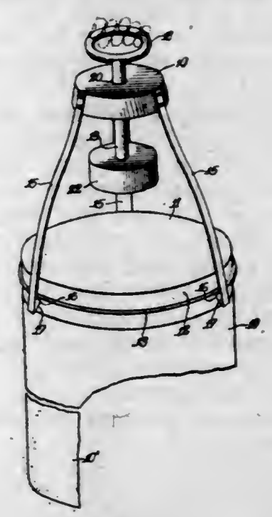
1. In a wick type kerosene burner, the combination with a kerosene tank of a composite body for guiding the wick from the interior of the tank upwardly to a level considerably above the top of the tank, said wick guiding body including a lower portion consisting of a plastic of low heat conductivity and extending from the interior of the tank to a level a short distance above the top of the tank, and an upper thick-walled cast metal portion seated on said lower portion.

2,407,427
SELF-LOCKING WEDGE
James A. Jones, Fayetteville, Ark.
Application October 11, 1943, Serial No. 505,834
6 Claims. (Cl. 306—33)



1. A device of the character described comprising a wedge having a slot therein and a plurality of locking arms each secured at one end to said wedge in its relatively thin portion and projecting through said slot and beyond the opposite faces of said wedge in the direction of the thicker end of said wedge.

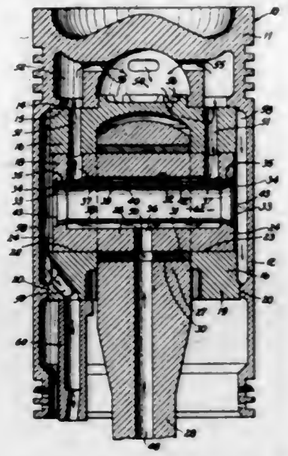
2,407,428
COVER REMOVING TOOL
Stanley Kretchman, Chicago, Ill.
Application June 30, 1943, Serial No. 492,824
4 Claims. (Cl. 81—3.46)



1. A cover-removing tool for containers comprising a support, spring arms secured to said support and having their lower ends provided with inside hooks and outwardly slanting tips, said arms being circularly arranged and spaced on the support and adapted with the aid of the slanting tips to be dropped down over the end of a container with the hooks engaging under the enlarged rim edge of the cover when the tool is thereafter raised, a stem sliding through the support, a handle on the upper and outer end of the stem by which the stem and tool are operated, a stop on the stem below the support and spaced therefrom when the handle is pressed down, whereby when the tool is in place on a container and a sudden pull is given the handle the jerk or blow caused by said stop on the stem engaging the support is transmitted through

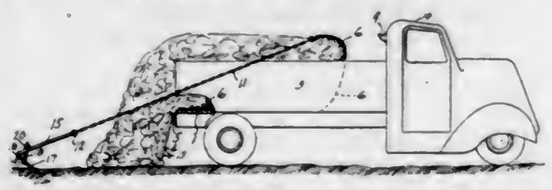
the arms and hooks to the rim edge of the cover whereby to loosen the same and the continued pull on the handle entirely to remove the cover from the container.

2,407,429
WRIST PIN ASSEMBLY
Julius Kuttner, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application May 19, 1944, Serial No. 536,395
3 Claims. (Cl. 309—6)



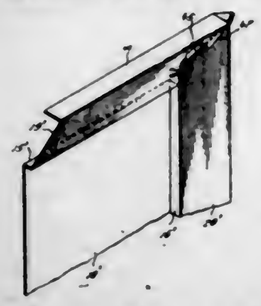
2. A wrist pin structure for a piston of fluid-cooled type, comprising a wrist pin having a bore axially therein and formed to provide in each end of the bore, an internally projecting shoulder providing a circular wall surface tapered longitudinally of the bore, a tubular member having an outer diameter substantially less than the diameter of the pin bore, provided for positionment substantially coaxially in said pin bore, thereby to define substantially concentrically related, longitudinally extending chambers in the wrist pin, one thereof bounded by the tubular member and the wall of said pin bore, and the other formed solely by said tubular member, and means securing the member to the pin and coincidentally therewith, locating the member in said substantially coaxial position in the pin bore, said means being constituted solely by end portions of the tubular member deformed into pressed, fluid-sealing engagement with said tapered wall surfaces of said projecting shoulders, said deformed end portions in coaction with said shoulders, thereby serving to provide end-closures for one of said chambers.

2,407,430
TRUCK UNLOADING APPARATUS
Walter S. MacRae, Castle Hot Springs, Ariz.
Application June 27, 1945, Serial No. 601,785
1 Claim. (Cl. 214—58)



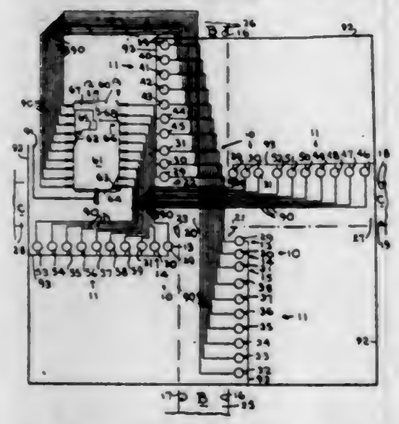
In apparatus for removing a load from a truck body, the combination of a flexible mat secured at one of its ends to the rear end of the bottom wall of the truck body and extending full length and width thereof, the forward end of the mat being connected with an anchor disposed rearwardly of the mat and adapted to draw the mat rearwardly as the truck moves forwardly, said anchor consisting of a plurality of tines swingably attached as a unit to one end of a bracket, and means extending through the tine unit and the bracket for limiting the swinging movement of the tines with respect of the bracket.

2,407,431
PICTURE FRAME OR THE LIKE
Stanley Madsen, Princeton, N. J.
Application November 19, 1943, Serial No. 510,954
1 Claim. (Cl. 40—154)



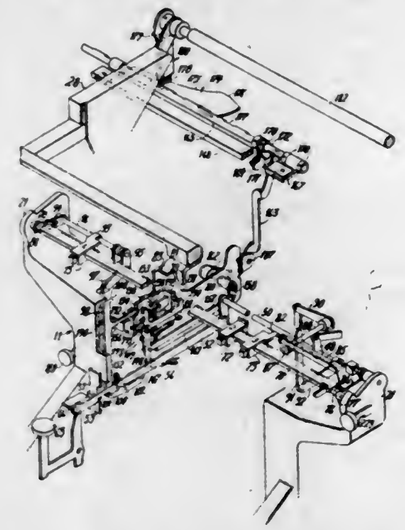
A picture frame formed from a single blank of sheet material, said blank including a centrally-disposed, generally-rectangular section forming a recessed central panel for the reception of the picture, an inner side wall, an outwardly-extending diagonal wall, and an outer side wall, the inner and outer side walls lying on substantially a right angle to the plane of the central panel, such walls being formed along each edge of the central panel, the several walls being defined by spaced fold lines, each corner of the blank having a cut-out portion to permit the adjacent terminals of the respective walls to be joined in abutting relationship, one terminal of each diagonal wall extending beyond the terminal of the adjacent diagonal wall, underlying such terminal and forming a support therefor, and an extension tab formed along the edge of one outer side wall at each corner section of the blank, one tab at each corner section having a transverse cut therein and the adjacent tab having a complemental transverse cut, whereby the tabs at the several corner sections may be secured together to set up the frame without the use of adhesives.

2,407,432
TRAFFIC SIGNALING SYSTEM
Anthony P. Manewich, Detroit, Mich.
Application December 12, 1944, Serial No. 567,869
5 Claims. (Cl. 177—337)



5. In a traffic signaling system for two highways crossing one another and forming an intersection, "stop" signal means and "go" signal means at said intersection for respectively signaling traffic to "stop" and "go" along said highways at adjacent said intersection, a plurality of auxiliary signal means disposed in a row along one of said highways and visible therefrom, and a signal means for operating and synchronizing said "stop" and "go" signal means and said auxiliary signal means so that, after the "go" signal is given for movement of traffic over said intersection in a direction substantially paralleling said row of auxiliary signal means, each of said auxiliary signal means will give a signal, in turn, beginning with the auxiliary signal means farthest from said intersection, and that, prior to the "stop" signal is given for stopping traffic over said intersection in a direction paralleling said row of auxiliary signal means, each of said auxiliary signal means will give a signal, in turn, beginning with the auxiliary signal means farthest from said intersection.

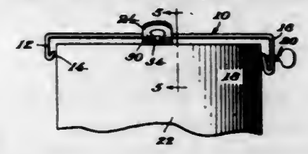
2,407,433
TYPEWRITING MACHINE
Miles H. Mann, Miami, Fla., assignor to Underwood Corporation, a corporation of Delaware
Application December 13, 1944, Serial No. 567,999
20 Claims. (Cl. 197—127)



1. In a machine having a carriage advanceable and returnable on a frame, and having a device on the carriage requiring movement to an operated position to facilitate paper manipulation, a member on the carriage, a member on the frame operable by the first said member through advance movement of the carriage to a specific position, a power operable mechanism engageable for returning the carriage, means conditionable to cause operation of said device incidental to return travel of the carriage, and means to engage said power operable mechanism and to condition said conditionable means responsive to operation of said second member by said first member.

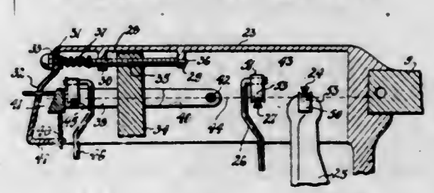
2,407,434
CAN PUNCH AND CLOSURE
Joseph F. Markley, Camden, N. J.
Application October 28, 1943, Serial No. 508,011
1 Claim. (Cl. 220—51)

A combination can punch and closure comprising a clamp attached to the can, one end of said clamp provided with a depending right angular flange partly bent back upon itself to provide a can engaging lip, the other end of said clamp provided with a depending right angular flange of a greater length than said first mentioned flange and partly bent back upon itself to provide a can engaging wing of greater length than said engaging lip, a winged screw threadably received in said last named flange having engagement with said wing to flex said wing against the side of the can and firmly hold the clamp to the can through the pressure engagement of



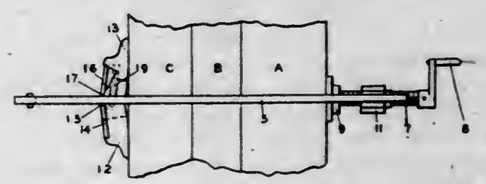
the lip and the wing with the can, a flexible means pivotally connected with said clamp to overlie an end of the can when said clamp is secured thereto, said clamp holding said flexible means in bowed condition on the end of the can to apply constant tension thereto and perforating means attached to said flexible means to perforate the end of the can when pressure is applied to said flexible means, said perforating means being held firmly in the perforations in said can by the flexed condition of said flexible means.

2,407,435
WEIGH BEAM ASSEMBLY
John A. McCulloch and Nicholas R. Siasor, Winnipeg, Manitoba, Canada, assignors to Manitoba Bridge & Iron Works Limited, Winnipeg, Manitoba, Canada
Application February 10, 1941, Serial No. 378,224
In Canada February 10, 1940
3 Claims. (Cl. 265—49)



1. In a weigh beam balance weight assembly, and in combination a balance weight and knife edge supporting structure, a rear balance knife edge adjusting assembly comprising a substantially horizontal bracket in the form of a yoke having an open centre, pivotally attached to said supporting structure, a knife edge spanning said bracket, a horizontally adjustable balance weight and a screw-threaded rod horizontally journalled on said supporting structure, said balance weight depending from said rod, downwardly between the open centre of said bracket.

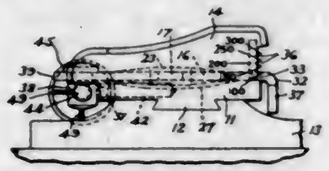
2,407,436
GLUE CLAMPING DEVICE
Robert H. Miller, Brisbane, Calif.
Application March 2, 1945, Serial No. 580,528
1 Claim. (Cl. 144—303)



In an adjustable parallel beam clamp having pressure exerting means at one end and work

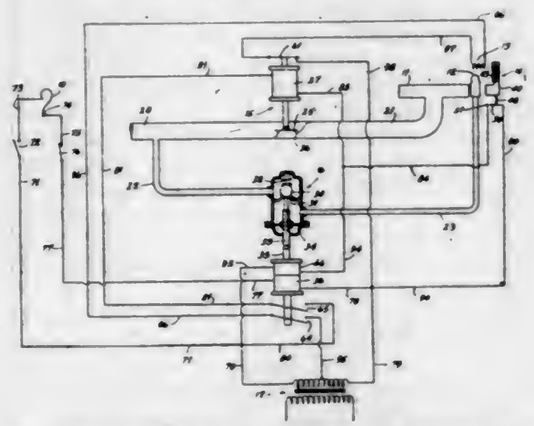
abutment means at the other end, said abutment means comprising a pair of pressure shoes, means for pivoting said shoes one to the other, said pivoting means comprising a threaded member adjustably engaging one of said shoes and having pivotal connection with a pintle carried by the other of said shoes, and divergent wing members carried by each of said shoes, said divergent members of the respective shoes extending towards each other and each having beveled edges to provide a biting engagement with the parallel beam.

2,407,437
REAR SIGHT FOR FIREARMS
Harold F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application June 9, 1943, Serial No. 490,389
9 Claims. (Cl. 33—56)



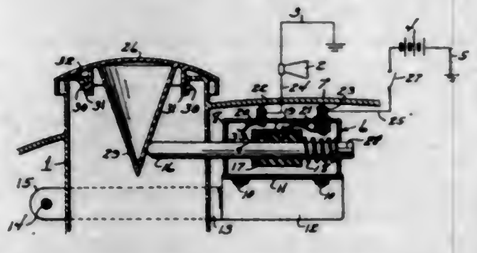
1. In a rear sight for firearms, a base having spaced apart side flanges, a sight leaf floatingly mounted for swinging movement laterally on said base and between said flanges, said sight leaf having lugs extending from its sides and intermediate its ends into engagement with said flanges and upon which said sight leaf is pivoted, and a windage screw operably engaging one end of said leaf to laterally swing it and upon which said leaf is pivoted to swing upwardly whereby its other end may be elevated.

2,407,438
BURNER CONTROL
Eric P. Newman, Clayton, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application June 15, 1944, Serial No. 540,372
11 Claims. (Cl. 158—117.1)



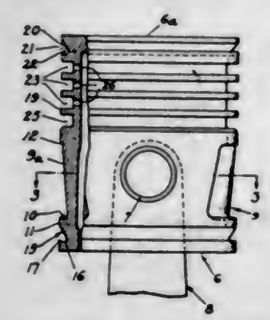
1. In a control for use with a main burner, a pilot burner, and a main control device including a power element, electrical means operated through the main control to supply fuel to the main burner, a flame-responsive switch operated by combustion at the pilot burner, and means controlled by said flame-responsive switch for reducing the power of said element to render the same effective to hold said control device in a closed position once this position is attained, but ineffective to move said device from an open to a closed position.

2,407,439
AUTOMOTIVE GAS TANK COVER SWITCH
Obie E. Olson, Sandwich, Ill.
Application July 21, 1944, Serial No. 545,984
4 Claims. (Cl. 200—54)



3. In combination with the filling neck of a storage tank and a cover movable into and out of closing relation to the neck; a conical cam member carried by the cover and extending downwardly therefrom in concentric relation to the cover within the neck, a switch having a casing mounted at one side of the neck, a stationary contact in said casing a second stationary contact carried by said casing forward of and in alignment with said first mentioned contact, a plunger slidable through said casing with its forward portion projecting from the casing and into the neck transversely thereof for abutting engagement with a side portion of said cam member, a contact carried by said plunger in insulated relation thereto, and a spring urging said plunger forwardly to move its contact into engagement with the second mentioned stationary contact.

2,407,440
PISTON FOR INTERNAL-COMBUSTION ENGINES
Walter Osborne, Glendale, Calif.
Application January 7, 1944, Serial No. 517,447
12 Claims. (Cl. 309—4)

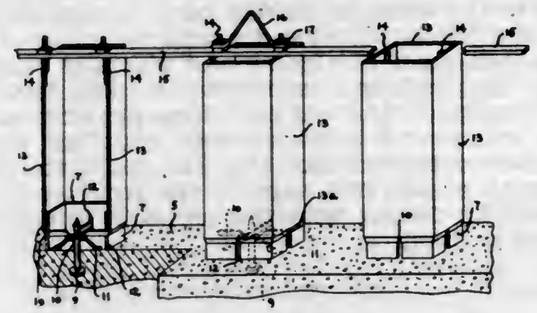


4. In a piston for an internal combustion engine, a carbon collecting groove around that end portion of the piston which is directed toward the combustion chamber, said groove being deeper along one side than the other and being encircled along said deepest side with a carbon retaining lip which is directed toward the aforementioned end of the piston.

2,407,441
FORM TO PROVIDE AIR PASSAGES IN CONCRETE WALLS
John L. Painter, Jr., West Newton, Pa.
Application July 19, 1945, Serial No. 605,941
5 Claims. (Cl. 25—128)

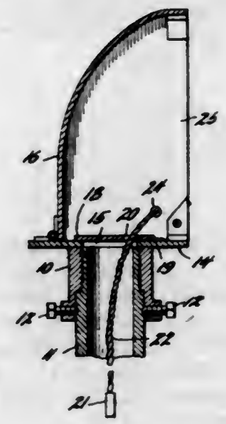
1. A mold for concrete walls comprising a pair of telescoping hollow forms adapted for resting on a wall footing and including upper and lower forms, said lower form having vertical slots

therein, a plurality of arms having an end projecting in the slots for vertical movement therein



and secured to the upper form, and spring means extending between the arms and the footing.

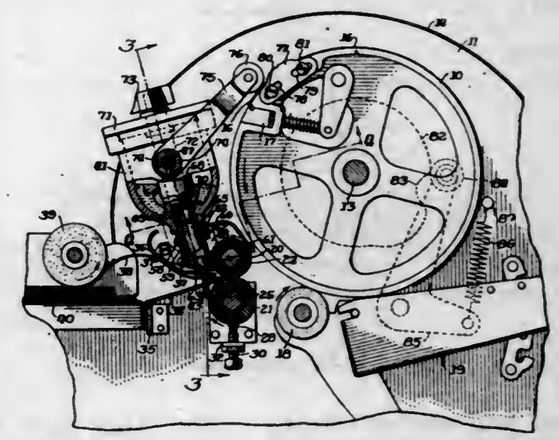
2,407,442
SEPARATION OF BLASTING CIRCUIT LEADS
Josephus O. Parr, Jr., San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application January 29, 1943, Serial No. 473,997
7 Claims. (Cl. 102—22)



5. In electric shot firing apparatus of the type described, comprising an electric percussion cap having a bridge wire, a source of current for firing said cap, recording apparatus for making a record of the instant of firing the cap as indicated by the breaking of the bridge wire therein, and conductors leading from the said source to the recording apparatus, the combination with conductors leading from the source to the cap in a shot hole, of a severing device mounted at the top of the shot hole and positioned to be moved by the force of the explosion, said device being arranged to sever both cap conductors when so moved.

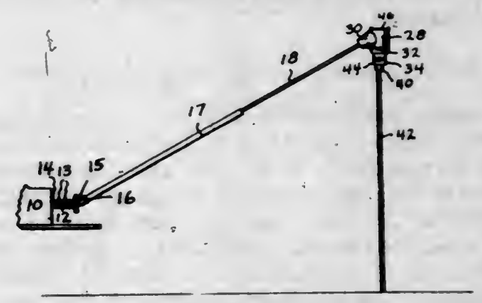
2,407,443
SHEET MOISTENING DEVICE FOR DUPLICATING MACHINES
Eric W. Peterson, Glen Ellyn, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application March 16, 1945, Serial No. 583,060
5 Claims. (Cl. 101—132.5)

2. A duplicating machine having a frame, a drum therein adapted to support a master sheet, a moistening roller operable to moisten the surface of a copy sheet advancing to the drum, drive means operable to rotate the drum through repeated cycles, means for moistening said roller comprising a resilient hollow boot having a surface in engagement with the roller and having an aperture above the engaging surfaces of the boot and roller to supply liquid to the surface of the roller from within the boot, a liquid supply receptacle connected to the boot, and means



operable by the drum rotation periodically to compress the boot against the roller around said aperture and thereby seal the aperture.

2,407,444
TRACTOR OPERATED POST DRIVER
August F. Pfingsten, Rock Rapids, Iowa
Application October 23, 1944, Serial No. 559,983
9 Claims. (Cl. 61—73)

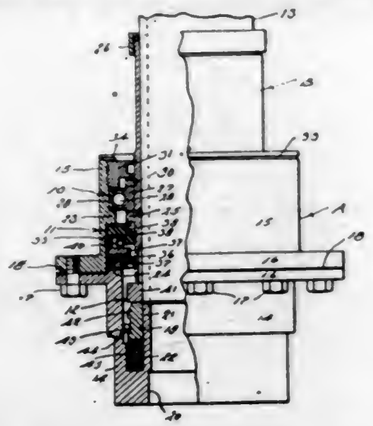


1. A tractor operated post driver comprising a rotatable shaft adapted to be attached to a tractor power take-off shaft, a driving head, said driving head having an opening for receiving the top of a fence post therein, means operated by said rotatable shaft for impacting against the top of the post, received in the head, said impacting means including a cam revolubly journalled in said head, said rotatable shaft driving said cam, a weighted impact member operated reciprocatingly by said cam.

2,407,445
ELECTRICAL CONDUCTING SWING JOINT
Dwight M. Phillips, Fullerton, Calif., assignor to Chiksan Tool Company, Brea, Calif., a corporation of California
Application June 30, 1943, Serial No. 492,830
9 Claims. (Cl. 174—21)

1. A joint of the character described including a tubular outer section comprising two detachably connected parts, a tubular inner section received in the outer section, anti-friction bearing means in one of said parts connecting the sections for free relative rotation and adapted to be removed from the outer end of said part, sealing means in said part at the inner end portion thereof for preventing the leakage of fluid from between the sections to the bearing and located in said part and confined therein by the other

part and adapted to be removed from the other end of said part upon the disconnection of said



parts, and contact means in the other part for maintaining the sections in electrical connection.

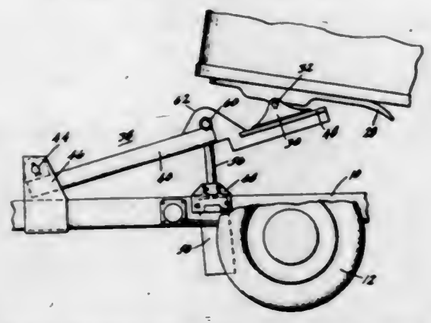
2,407,446
UNSATURATED ESTERS OF CARBONIC ACID AND POLYMERS THEREOF
Maxwell A. Pollack, Austin, Tex., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 12, 1942, Serial No. 446,779
12 Claims. (Cl. 260—78)

11. A compound corresponding to the structural formula:

$$R_1\text{—}O\text{—}R_2\text{—}O\text{—}\overset{\overset{O}{\|}}{C}\text{—}O\text{—}R_3\text{—}O\text{—}R_4$$

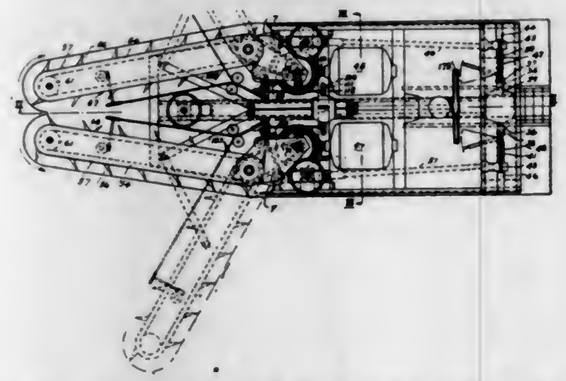
wherein the radicals R_1 and R_4 are each selected from the class consisting of radicals corresponding to the radical R in the alcohol having the formula ROH, said alcohol being an unsaturated, monohydric alcohol having from 2 to 10 carbon atoms and having an unsaturated carbon to carbon linkage in an aliphatic straight chain, the unsaturated linkage being adjacent the beta carbon atom of the alcohol, and R_2 and R_3 are radicals selected from the group consisting of divalent saturated aliphatic hydrocarbon radicals and divalent radicals of the formula $—R_5—(O—R_6)_n—$, in which R_5 is an alykylene radical and n is a small whole number.

2,407,447
FIFTH WHEEL MECHANISM FOR TRACTORS
Charles E. Pollard, Detroit, Mich.
Application August 23, 1944, Serial No. 550,687
5 Claims. (Cl. 280—33.1)



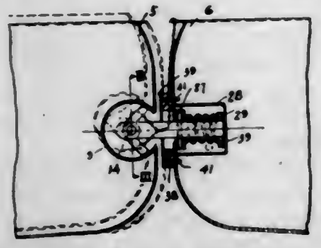
4. In fifth wheel mechanism for a tractor having a frame provided with rear road wheels and provided with platform pivots spaced forwardly of said rear wheels, a platform superimposing that portion of the frame to the rear of said pivots and hinged at its forward end to said pivots to have its rear end swing above the rear end of the frame or to rest upon the frame, hydraulic piston and cylinder mechanism pivotally mounted upon the frame and pivotally coupled with the platform intermiediate its ends to swing and to support the rear end of the platform above the frame and a fifth wheel coupling device pivotally mounted upon the rear end of the platform to engage and support the front end of a trailer for towing with the platform in the elevated position.

2,407,448
MINING MACHINE
Erskine Ramsay, Birmingham, Ala.
Application July 3, 1944, Serial No. 543,304
6 Claims. (Cl. 262—28)



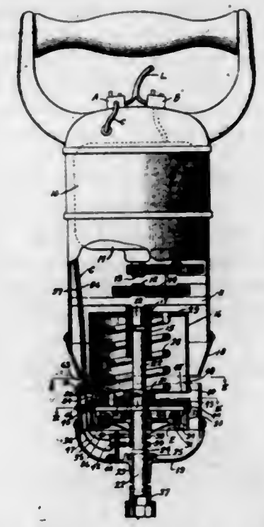
6. In a mining machine, a main frame, gangs of cutters pivotally mounted on the main frame to project forwardly side by side from the main frame and each comprising a plurality of housings having cutter chains mounted therein, jack screws for separating the cutter chain housings, said jack screws being disposed between the housings, means to operate the jack screws in unison to vary the distances between the housings, an extensible drive shaft for each of the gangs of cutters, means to drive the drive shafts in opposite directions whereby the outer flights of the cutter chains move rearwardly toward the machine, and means to swing the gangs of cutters around their pivots to vary the relative distances between the outer ends thereof.

2,407,449
MINE CAR COUPLER
Erskine Ramsay, Birmingham, Ala.
Application February 19, 1945, Serial No. 578,683
7 Claims. (Cl. 213—180)



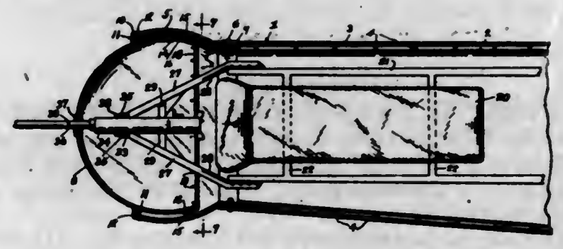
7. In apparatus for coupling cars together, a spheroidal socket member mounted in the end of one car, and having an opening through the end of the car, a draw bar member mounted on an adjacent car and smaller in diameter than the opening, and adapted to enter through said opening, coupling members pivotally mounted on the draw bar member and adapted to spread apart and engage the sides of the spheroidal member, a spring for holding the coupling members apart, flexible means connected to the coupling members and adapted to draw them together to clear the sides of the opening in the socket member and uncouple the cars, a slotted shank on the draw bar member, a socket in the end of the car on which the draw bar member is mounted and larger in cross sectional dimensions than the shank and into which the shank extends, a spring surrounding the shank, means on the end of the shank for restraining one end of the spring, and a pin passing through the slot in the shank and held against outward movement for restraining the other end of the spring.

2,407,450
TORQUE WRENCH
Joe Reilly and Grace M. Reilly, Elmhurst, Ill.
Application December 17, 1943, Serial No. 514,650
6 Claims. (Cl. 192—150)



1. A torque device comprising a driving motor, a driving member driven by said motor, an electro-magnetic coupling comprising an armature drum and an electro-magnet, a driving connection between said driving element and said drum including a torsion spring, a driven shaft on which said electro-magnet is mounted, and means for controlling the energization of the electro-magnet winding for electro-magnetic transmission by the coupling of the driving power to the driven shaft.

2,407,451
WING-TIP GUN POSITION
Haigh Reiniger, Sebring, Fla.
Application June 14, 1944, Serial No. 540,289
6 Claims. (Cl. 89—37.5)

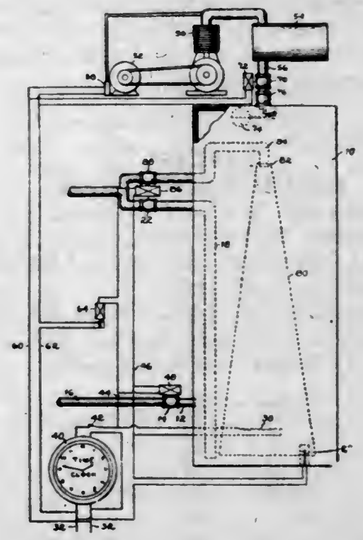


1. A gun position for aircraft having a fuselage and wing supporting surfaces comprising partially telescoping substantially parti-spherical glass sections, one of which is fixed to the wing of the aircraft, the other section being movable with respect to the first section, anti-friction mountings between the sections, a gunner's position in the wing of the aircraft accessible to the interior of said sections, and a gun accessible to the gunner and protruding through the movable section.

2,407,452
PREPARATION OF β-SUBSTITUTED HOMOLOGUES OF INDOLE
Robert Robinson and Rita Harriet Cornforth, Oxford, and Trustham Frederick West, London N. 1, England, assignors to Stafford Allen and Sons Limited, London, England
No Drawing. Application August 21, 1942, Serial No. 455,658. In Great Britain September 12, 1941
3 Claims. (Cl. 260—319)

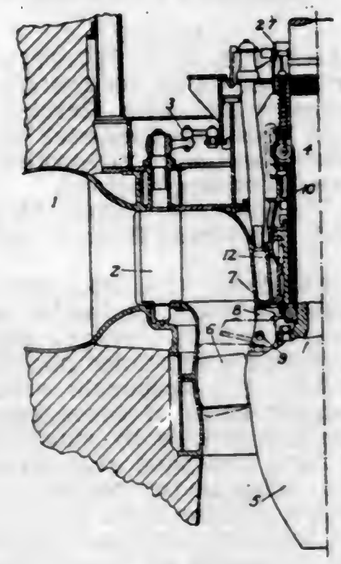
3. A process for the manufacture of β-substituted derivatives of indole, which comprises heating under pressure a substance selected from the group consisting of α-carboxylic acids of indole and α-carboxylic acids of those homologues of indole which are formed by substitution of an alkyl group for a hydrogen atom in the benzene nucleus, said acids being unsubstituted in the β-position and a solution in an alcohol of formula $R.CH_2OH$ of the corresponding alcoholate of an alkali metal, in which R is selected from the group consisting of hydrogen, alkyl and aryl radicals.

2,407,453
OFF-PEAK HOT-WATER HEATER
Harry J. Rougier, Dayton, Ohio
Application May 18, 1944, Serial No. 536,170
19 Claims. (Cl. 219—39)



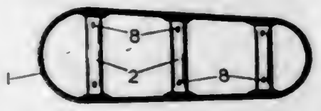
1. A hot water heater system including a reservoir, a heater element for heating the water in the reservoir, means for periodically filling the reservoir with water, means responsive to the periodic means for causing the heater element to heat the water, a conduit extending from the reservoir for supplying hot water, and pressure means acting on the water independent of gravity for forcing the hot water out of the reservoir through said conduit without replenishing the water supply.

2,407,454
AUTOMATIC SPEED LIMITING DEVICE FOR HYDRAULIC TURBINE ROTORS
Paul Werner Seewer, Rugby, England, assignor to The English Electric Company Limited, London, England, a British company
Application December 28, 1942, Serial No. 470,396
In Great Britain January 12, 1942
3 Claims. (Cl. 253—143)



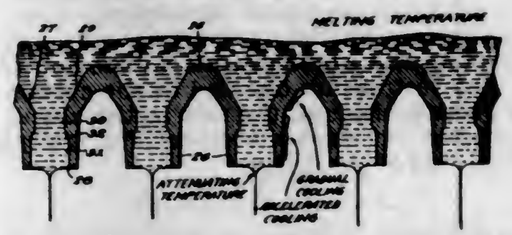
1. In combination, a hydraulic turbine rotor, driving blades mounted on the rotor, a ring of speed-limiting vanes mounted on the rotor and free to move outwardly under the action of centrifugal force into the water stream to limit the speed of the rotor, a flexible cord attached to each of said vanes and extending along the rotor to an exposed position above the water stream, guide pulleys for said cords and means holding the ends of said cords at the said position above the water stream to retain said speed-limiting vanes out of the water stream until centrifugal force corresponding to a predetermined safe rotor overspeed is exceeded.

2,407,455
LIQUID CONTAINER
Leonard Shakesby, Wolverhampton, and Sydney Hartley Smith, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application May 13, 1943, Serial No. 486,894
In Great Britain April 3, 1942
9 Claims. (Cl. 220—71)



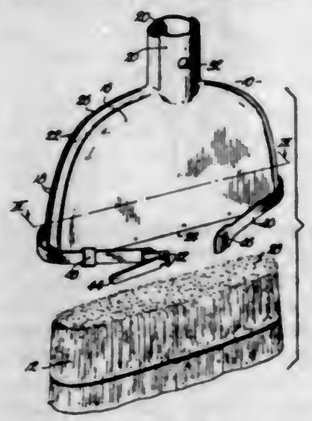
1. In a liquid container which includes an envelope of flexible non-metallic material, a plurality of supporting members inserted between and secured to oppositely disposed portions of the envelope, said supporting members each comprising a flexible tubular core of spirally wound non-metallic material, a surrounding sheath extending longitudinally beyond the ends of said core, slit at its ends and formed as radially extending fingers defining end flanges, a pair of annuli secured on opposite surfaces to said end flanges and to opposite walls of said envelope, respectively, whereby said envelope is supported against tensional and compressional stresses.

2,407,456
METHOD OF PRODUCING FIBROUS GLASS
Allen L. Simison and Ed Fletcher, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Original application March 26, 1942, Serial No. 436,236. Divided and this application October 2, 1943, Serial No. 504,800
5 Claims. (Cl. 49—77)



1. In the method of producing glass fibers by attenuating a stream of molten glass, the steps of establishing a supply body of molten glass at a temperature above the attenuating temperature and above the devitrification temperature, flowing a stream of molten glass from said body, accelerating the velocity of the stream through a first cooling zone, and then rapidly cooling said stream to a temperature below the devitrification point of the glass and decreasing the flow of the stream as it approaches the region of attenuation.

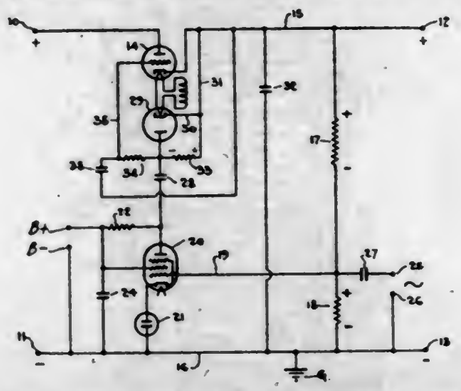
2,407,457
BROOM HOLDER
Herman Sokoloff, Kansas City, Mo.
Application January 22, 1944, Serial No. 519,265
3 Claims. (Cl. 15—177)



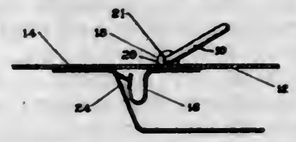
1. In a device of the character described, a holder comprising a pair of mating members, each having an extension in its upper end for receiving a handle therebetween; reinforcing beads having their opposed marginal edges overlapping said pair of members and secured thereto to hold the members in spaced apart relation to each other, said beads being slit longitudinally throughout a portion of their length to permit limited spreading of the members when mounting said holder on a broom; and means for drawing said spaced members toward each other.

2,407,458
HIGH-VOLTAGE REGULATOR CIRCUIT
Sterling C. Spielman, Huntingdon Valley, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 6, 1943, Serial No. 513,096
5 Claims. (Cl. 171—312)

1. An electrical system comprising a high voltage circuit of unidirectional potential, an electric valve having a control electrode for regulating an electrical condition of said circuit, means including a rectifying device for applying a variable bias to said control electrode, a second electric valve having an output circuit and an input circuit, said output circuit including said rectifying device and means capable of transferring alternating current to and blocking said unidirectional potential from said second valve, said input circuit including a control electrode and a source of alternating current, and means for applying to said control electrode a bias whose magnitude is a function of said electrical condition, whereby upon variation of said condition said bias changes in a direction to produce a resultant corrective action by said first named valve.



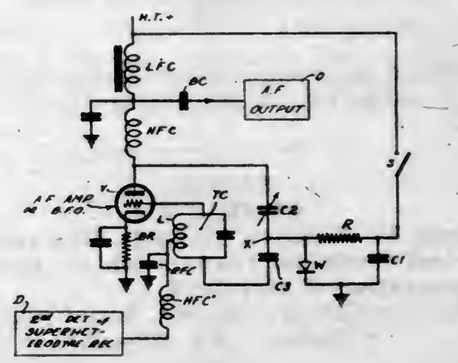
2,407,459
RING CATCH
Henry M. Stieglitz, St. Louis, Mo., assignor to Frank Adam Electric Company, St. Louis, Mo., a corporation of Missouri
Application March 22, 1943, Serial No. 480,110
2 Claims. (Cl. 292—76)



1. A catch assembly for the door of a closure comprising a catch member and a ring, said catch member being a strip of resilient material having a concave formed portion with its concave side against the door and having a free end provided with a formed bump adapted to engage a lip extending from the closure to hold the door in closed position, a pair of opposed openings in the door, a pair of opposed ears bent out from the flat strip at substantially the center of the concave portion and extending through the openings, said ears provided with openings therethrough, said ring being adapted to serve as a handle for the door and extending through the openings in the ears, said ring being adapted to prevent displacement of the ears from the openings, the concave portion of the catch member being adapted to maintain the ring against the front of the door independently of variations in the thickness of the door.

2,407,460
SWITCH FOR HIGH-FREQUENCY CIRCUITS
Bernard van Ryn, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application May 15, 1943, Serial No. 487,426
In Great Britain April 2, 1942
4 Claims. (Cl. 179—171.5)

1. A circuit arrangement comprising a tube provided at least with a cathode, control grid and anode, two condensers and a tuned circuit connected in series and in the order named between said anode and control grid, the cathode being connected to ground, means for coupling a source of audio frequencies to said tuned circuit, a rectifier so connected betweeen the junction point of said condensers and ground as to present a high impedance to radio frequency energy and to thereby condition the tube to function as an audio frequency amplifier, and a switch for connecting a potential across said rectifier to reduce the impedance of said rectifier for radio frequency and to thereby condition the tube to function as an oscillation generator.



2,407,461
MAGAZINE FOR FIREARMS
Josef Veselý, London N. 21, England
Application July 28, 1942, Serial No. 452,585
In Great Britain July 26, 1941
7 Claims. (Cl. 89—34)

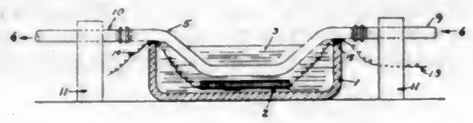


1. A cartridge magazine comprising a receptacle, a discharge outlet therein, a plurality of substantially flat, individually-rotatable cartridge-holding members disposed in said receptacle in superposed relation, and each including a pair of concentric annular sections connected together in spaced relation, said annular sections engaging the opposite ends of a circular series of cartridges to retain the same radially in each holding member, means for severally rotating said cartridge-holding members, means for discharging cartridges therefrom and for guiding the discharged cartridges to said discharge outlet, means carried by the magazine for preventing the discharge of cartridges from an upper cartridge-holding member until the next lower cartridge-holding member is completely discharged, and means on each lowerly disposed cartridge-holding member arranged to engage with its next superposed cartridge-holding member for arresting the rotary movement of such superposed cartridge-holding member.

2,407,462
SUPERSONIC TREATMENT OF FLUID MASSES
Edward Oldroyd Whiteley, New York, N. Y.
Application May 14, 1943, Serial No. 487,069
7 Claims. (Cl. 252—314)

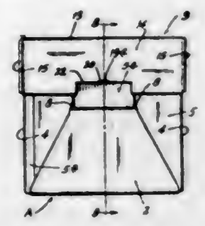
1. The method of treating fluid masses by means of supersonic waves which includes sup-

porting the mass in a thin walled suspended soft rubber container while applying the treatment, and with the rubber container in exterior con-



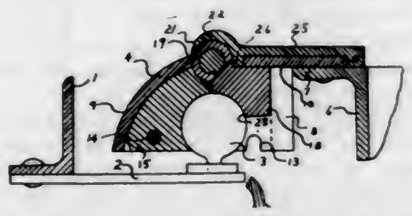
tact with a supersonic wave transmitting liquid, and the pulsations being set up directly in said liquid.

2,407,463
CONTAINER
Benjamin M. Williams, St. Louis, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application October 16, 1944, Serial No. 558,867
6 Claims. (Cl. 229—45)



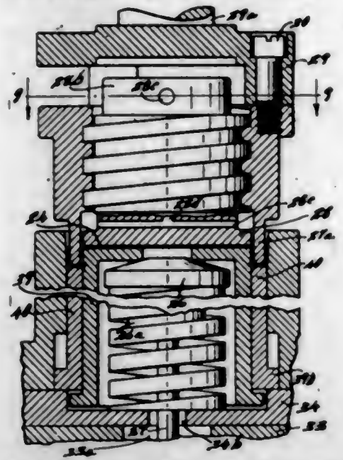
1. A carton comprising a body having flaps that are overlapped and secured together to form end walls, said end walls having hand holes in the outermost flaps thereof, means for spacing the overlapped flaps of the end walls apart to provide clear spaces therebetween above said hand holes, and a cover having locking tongues depending therefrom that are bent upwardly around the upper edges of said hand holes and are inserted into the clear spaces located thereabove between said overlapped flaps, said spacing means comprising tabs located along the edges of said hand holes and bent to lie between said overlapped flaps.

2,407,464
TRAILER HITCH
Alfred W. Wilson, New Westminster, British Columbia, Canada
Application August 13, 1945, Serial No. 610,637
In Canada July 2, 1945
5 Claims. (Cl. 280—33.17)



1. A trailer hitch comprising a ball adapted for connection to one vehicle and a housing adapted for connection to another vehicle, said housing comprising a box-like structure having side walls and an end wall, a pair of blocks hingedly connected together and having complementary recesses adapted to engage the ball, one of said blocks being pivotally mounted on a pin extending between said side walls of the housing and releasable means for engaging one of the blocks to retain both blocks within the housing.

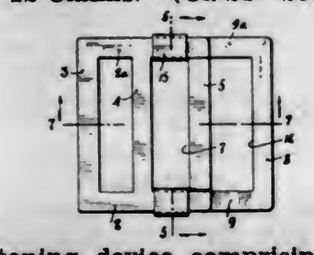
2,407,465
METHOD AND APPARATUS FOR MAKING CAPS OR COVERS
Lawrence G. Zesbaugh, Minneapolis, Minn., assignor, by mesne assignments, to Perma-Seal Closure Co., a corporation of St. Paul, Minn.
Application July 8, 1942, Serial No. 450,140
7 Claims. (Cl. 93—1.3)



1. A method of making a cap or cover for a container for food or other material which consists in pressing a circular flat blank of sheet material such as cardboard or comparatively thick paper at its central portion to form a cup therein with a flat circular rim thereabout, then pressing the outer part of said rim into frusto conical shape to form a down turned flange extending for some distance from the top of said cup, thus forming an annular groove around the underside of said cover which groove has substantially parallel sides and which is adapted to receive the top of said container, then compressing said cup vertically and forming a bead or ridge about the top of said cup to stiffen said cover and forming the whole of said outer flange into substantially cylindrical form.

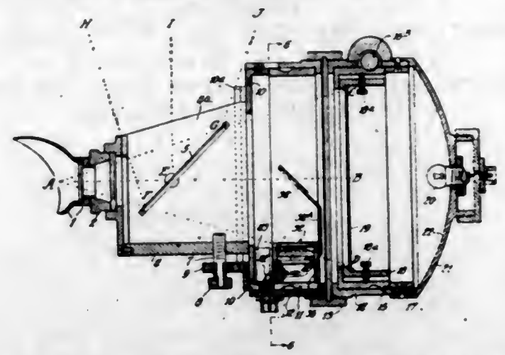
4. An apparatus for forming a cap or cover having in combination, means for forming a cup-like depression in the central portion of a flat circular one-piece blank of sheet material, means for turning down a portion of said blank extending from its outer edge inwardly a substantial distance to form an annular flange and thus form an annular groove having substantially parallel sides at the underside of said blank and means for forming a bead or ridge about the top of said cup-like depression or at the inner corner of said groove.

2,407,466
CLASP
Leon N. Alberts, New York, N. Y.
Application April 15, 1944, Serial No. 531,211
12 Claims. (Cl. 24—200)



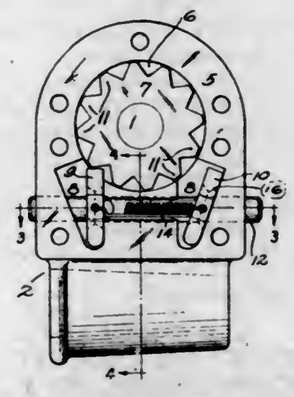
1. A fastening device comprising a substantially rigid body portion having side members and at least two spaced cross bars, a locking bar extending in the same general direction as said cross bars, said locking bar being resiliently mounted on the body portion and normally held in a locking position.

2,407,467
APPARATUS FOR DETERMINING GEOGRAPHIC POSITIONS CELESTIALLY
William R. Barry, Valdosta, Ga.; Mrs. Willie R. Dewberry administratrix of said William R. Barry, deceased
Application September 30, 1944, Serial No. 556,622
12 Claims. (Cl. 88—2.3)



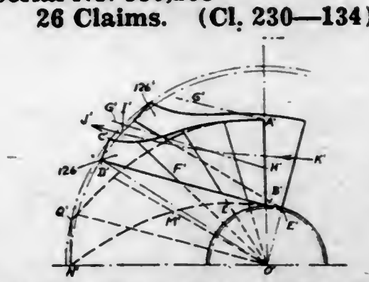
1. In a locating device of the kind described, the combination of an enclosure having an opening in one side and an eye opening disposed in the longitudinal axis of the device, in an end of the enclosure, an illuminated plate in the other end of the enclosure disposed at right angles to the longitudinal axis of the device and having indicating marks thereon simulating the stars from which observations are made, a semi-transparent reflector located adjacent said side opening in the enclosure and extending at an angle of forty-five degrees to the line of sight from said eye opening to the center of said illuminated plate for reflecting to the eye opening the celestial sky as seen through the opening in said enclosure, a circular graduated latitude indicator and a circular graduated longitude indicator both rotatably mounted in said enclosure on the longitudinal axis thereof, level means for establishing a horizon, carried by said latitude indicator, and said illuminated plate being carried by said longitude indicator, and independent actuating means for separately adjusting said latitude and longitude indicators.

2,407,468
RATCHET MECHANISM
Lester O. Becker, St. Louis, Mo., assignor to Joseph Pavelka, St. Louis, Mo.
Application April 26, 1945, Serial No. 590,323
4 Claims. (Cl. 74—157)



1. In a ratchet structure, a driven member having a series of teeth, a driving member including a pawl shiftable therein to engage and disengage said teeth, spring means normally thrusting said pawl into engagement with said teeth, there being a passage through said driving member and pawl, an element shiftable manually in said passage to different selected positions and a device yieldingly retaining the element in a selected position, there being a part on said element engaging a face of said pawl to hold the pawl, against said spring means, out of engagement with said teeth when the element is in one of the selected positions.

2,407,469
ROTOR FOR ELASTIC FLUID MECHANISM
Rudolph Birmann, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia, a corporation of the United States of America
Original application March 26, 1943, Serial No. 480,633. Divided and this application April 8, 1944, Serial No. 530,188
26 Claims. (Cl. 230—134)



1. A rotor having passages therein for elastic fluid, each passage conforming substantially to a surface having the parametric equations:

$$y=\frac{x}{\tan(\alpha+M)}-\frac{p}{\sin(\alpha+M)}-n$$

and

$$z=K_1\left(\frac{1}{\tan\alpha}-K_2\right)$$

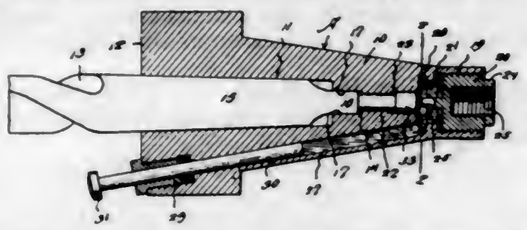
2,407,470
BITUMINOUS COMPOSITION CONTAINING MINERAL AGGREGATES
John Frederick Thomas Blott, Worcester Park, and Peter Alexander, London, England, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 14, 1944, Serial No. 563,456. In Great Britain November 15, 1943
2 Claims. (Cl. 106—283)

1. A process for the preparation of bituminous compositions of improved load-bearing capacities, which comprises mixing a sand containing less than 3% by weight of water with water employed in such an amount that the total water content is not greater than 6.5% by weight of the sand, mixing the thus treated sand with between about 4% and about 6% by weight, as calculated on the weight of the sand, of a bituminous material capable of wetting the surfaces of the sand particles only in the absence of water and with about 2% by weight of calcium hydroxide, and effecting said last-mentioned mixing at a temperature of below about 100° C., the amount of water added to the sand being also such that the total water content is greater than 3% by weight of the composition obtained after incorporation of the bituminous material.

2,407,471
ROTARY TOOL ADAPTER
Robert Burk, Brazil, Ind., assignor of one-half to W. C. Brockmeier, Brazil, Ind., and one-half to M. R. Harding, Greenville, Mich.
Application December 11, 1944, Serial No. 567,676
2 Claims. (Cl. 279—103)

1. An adapter for a milling machine and a rotary tool therefor having a Morse taper tanged

shank, comprising an elongated truncated conical body having a centrally located socket with a drift hole for a portion of its length and opening through the larger end for accommodating the tool shank and the engagement of the tang in the drift hole, the said body further being formed with an oil chamber opening through its smaller end and aligned with the drift hole, a removable plug fitting the smaller end of the body for closing the oil chamber and effecting a

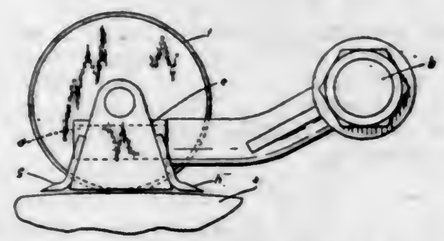


driving coupling between the said body and the machine, an ejecting pin within the body between the socket and the oil chamber for contacting the tank, and a hammer blow actuated plunger slidably fitted longitudinally in the body within the marginal area of its larger end and extending generally in the direction of the socket for action on the content of the oil chamber to displace the ejecting pin for removing the tang of the tool shank from the drift hole.

2,407,472
PROCESS FOR PREPARATION OF UNSATURATED NITRILES
Darrel J. Butterbaugh, Philadelphia, and Le Roy U. Spence, Elkins Park, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 20, 1944, Serial No. 541,272
11 Claims. (Cl. 260—464)

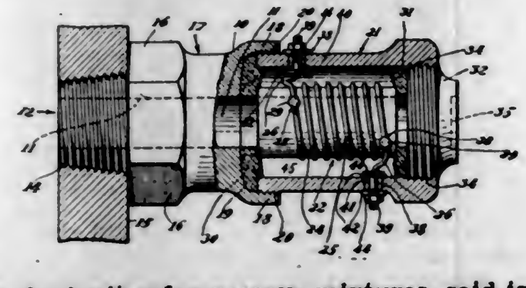
1. The process of making a mixture of unsaturated nitriles which comprises reacting a member of the group consisting of methyl acetylene and allene with hydrogen cyanide in vapor phase in the presence of a catalytic agent containing a metal from the group consisting of cadmium, magnesium, and zinc, under temperature and pressure conditions such that the reaction will take place.

2,407,473
TIRE PRESERVER
William Charles Carlton, Ilford, England
Application October 13, 1944, Serial No. 558,511
In Great Britain December 11, 1943
1 Claim. (Cl. 280—150)



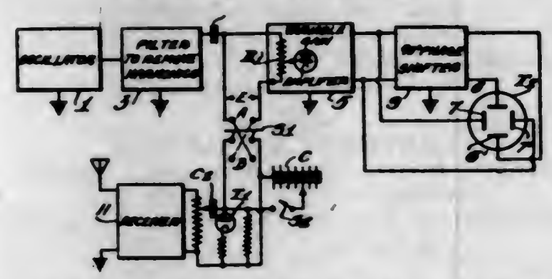
A device for protecting a tire mounted on a vehicle wheel comprising a rigid support mounted for rockable movement about an axis parallel with the axis of the wheel, a blade carried by said support and mounted for rockable movement about an axis at right angles to the axis of the wheel, and means on said support for normally maintaining the blade a predetermined distance from the tire so as to effect engagement of the blade with foreign particles picked up by the tire to remove such foreign particles.

2,407,474
IGNITER FOR INTERNAL-COMBUSTION ENGINES
Edwin D. Chaplin, New York, N. Y., assignor to Harry B. Albert, New York, N. Y.
Application February 3, 1944, Serial No. 520,871
16 Claims. (Cl. 123—145)



1. An igniter for gaseous mixtures, said igniter comprising a casing; a conductive secondary core therein and adapted to be exposed to the gases; a primary coil of wire inductively coupled with the core so that a flow of alternating current in the primary coil will induce a current in the core to heat the latter; and means for substantially preventing the gases from coming in contact with the coil and wire.

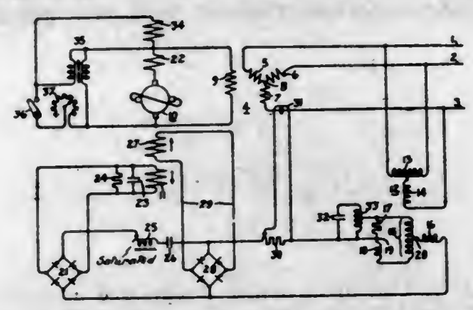
2,407,475
CATHODE RAY SWEEP CIRCUIT
George M. Charrier, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 25, 1942, Serial No. 432,191
12 Claims. (Cl. 315—24)



1. In a cathode ray oscillograph, a cathode ray tube having deflecting elements, a source of potential, a source of quadrature voltages, means for applying said quadrature voltages to said deflecting elements to produce a circular trace, and means for varying the radius of said circular trace comprising a common variable gain amplifier to control the amplitude of both of said quadrature voltages, and means for controlling the gain of said amplifier by said source of potential.

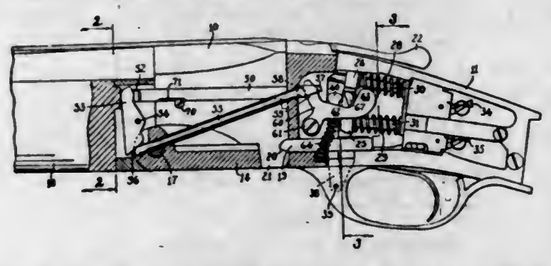
2,407,476
ELECTRIC CIRCUIT
Frederick E. Crever, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 6, 1944, Serial No. 538,933
8 Claims. (Cl. 171—223)

3. In combination, a polyphase alternating-current circuit, means for regulating the voltage of said circuit, a control element for said regulating means, means including an impedance network for deriving from said circuit a single-phase voltage which is proportional to the positive phase sequence voltage of said circuit and which is in quadrature with one of the line currents of said circuit at unity power factor, means



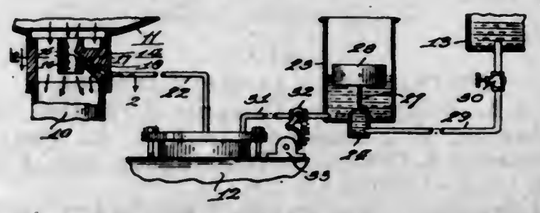
for vectorially adding to said single-phase voltage another single-phase voltage which corresponds in phase and is proportional in magnitude to said line current, and means for energizing said control element in accordance with the vector sum of said single-phase voltages.

2,407,477
EJECTOR MECHANISM FOR FIREARMS
John Crowe, St. Joseph, Mo., assignor to The Marlin Firearms Company, New Haven, Conn., a corporation of Connecticut
Application May 8, 1944, Serial No. 534,556
17 Claims. (Cl. 42—48)



1. A firearm comprising an action frame, a barrel section pivoted thereto, an ejector on the barrel section, a spring-actuated ejector hammer movably mounted on the action frame, means actuated by movement of the barrel section to open position about its pivot for cocking and releasing the ejector hammer, and operative connections from said hammer to said ejector.

2,407,478
ANTIKNOCK OR DETONATION DAMPENING DEVICE
Harold E. Crozier and Albert G. H. Vanderpoel, Hawthorne, Calif.
Application March 20, 1944, Serial No. 527,252
2 Claims. (Cl. 123—25)

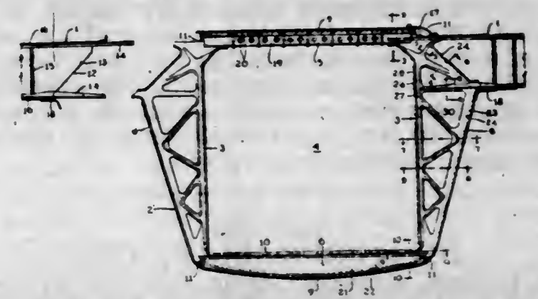


1. The combination with an internal combustion engine, its exhaust manifold, carburetor, and an air filter, of a collar connecting said filter and carburetor, a venturi axially located in said collar, the wall of said collar being provided with a duct, the inner end of which communicates with the center of said venturi a receptacle, float actuated valvular means associated with said receptacle for maintaining a constant supply of water therein, a heater mounted on the exhaust manifold and provided with a tortuous passageway, a duct leading from said receptacle to one end of said passageway and a duct leading from the other end of said passageway to the outer end of the duct that leads to said venturi.

2,407,479
INTERPOLYMERIZATION PRODUCTS
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 31, 1939, Serial No. 302,167
14 Claims. (Cl. 260—42)

13. A composition comprising the product of polymerization of a polymerizable mixture including (1) a polymerizable unsaturated alkyd resin obtained by reaction of ingredients comprising a monohydric alcohol, a polyhydric alcohol and a plurality of polycarboxylic acids at least one of which is an alpha unsaturated alpha beta polycarboxylic acid and (2) a polymerizable monohydric alcohol polyester of an alpha unsaturated alpha beta polycarboxylic acid, said ester being compatible with the resin of (1).

2,407,480
AIRCRAFT FUSELAGE AND WING CONSTRUCTION
Albert G. Dean, Narberth, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 13, 1944, Serial No. 553,890
4 Claims. (Cl. 244—119)



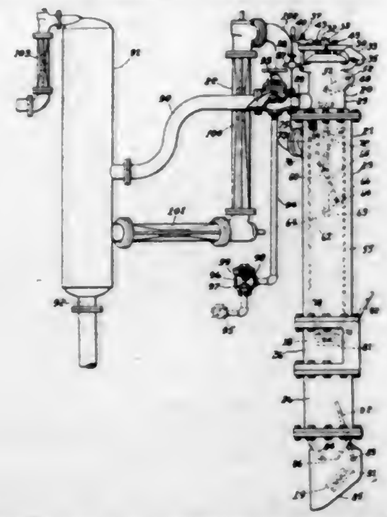
1. An airplane comprising a generally triangular pressed metal bulkhead element with edge reinforcing portions and intermediate triangulated reinforcing hollow rib portions, the edge reinforcing portion being omitted at certain places, and wing and girder elements connected in shear to said bulkhead element, said wing and girder elements being overlapped with the sides of said bulkhead element where the edge reinforcing portions are omitted and some of the overlapped elements constituting part of the triangulated reinforcing portions of said bulkhead.

2,407,481
PROCESS OF PREPARING SULPHAMIDE
Edward F. Degering, West Lafayette, Ind., and George C. Gross, Richmond, Va., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application December 3, 1941, Serial No. 421,488
11 Claims. (Cl. 23—190)

9. The process of making sulphamide, which consists in injecting sulphuryl chloride into a stream of ammonia, with the ammonia in sufficient amount so that throughout the reaction it

is always in excess of 4 mols per mol of injected sulphuryl chloride, maintaining the temperature within the stream of ammonia between −78° C. and +90° C., and after reaction has occurred recovering sulphamide from the reaction mixture.

2,407,482
APPARATUS FOR FREEZING
Frank B. Doyle, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application October 28, 1943, Serial No. 507,993
5 Claims. (Cl. 99—240)



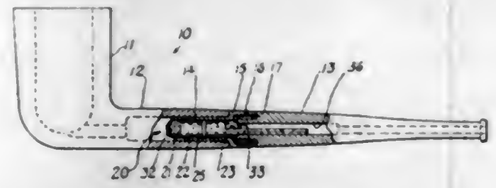
1. Apparatus for processing vegetable material and the like, comprising a casing having a plurality of chambers to receive the material successively for different steps of treatment, means operable manually from the exterior of the casing for effecting the discharge of material from one chamber into another, and means for evacuating the chambers and maintain a vacuum in the said chambers during the transference of material from one chamber to another.

2,407,483
TREATING FIBROUS GLASS
Paul Ebaugh, Granville, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
No Drawing. Original application April 10, 1937, Serial No. 136,234. Divided and this application November 27, 1940, Serial No. 367,439
7 Claims. (Cl. 117—124)

1. The method of treating fabricated textile material composed of interwoven yarns of a multiplicity of fine glass fibers in substantial parallelism and closely held together in said textile material, which comprises reducing the diameter of the individual fibers throughout the textile material by subjecting the fibers throughout said yarns to a solution of an inorganic alkali selected from the group consisting of potassium hydroxide and sodium hydroxide, for a sufficient length of time to reduce the diameter of the fibers, and then neutralizing the alkali and removing it from the surfaces of said glass fibers by means of an acid wash.

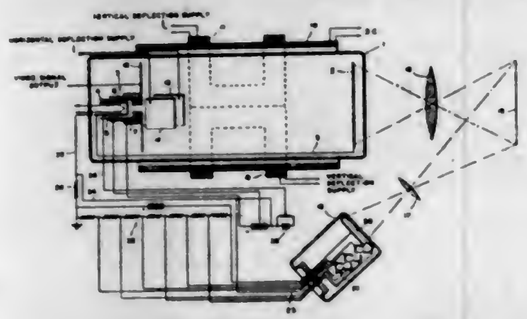
2,407,484
TOBACCO PIPE JUICE ABSORBER
William Ehrhardt, Bronx, N. Y.
Application June 27, 1944, Serial No. 542,362
2 Claims. (Cl. 131—202)

1. A device having a body adapted to fit in a tobacco pipe stem, including an elongated member of moisture absorbent material having portions of different widths folded lengthwise to provide two portions of which one constitutes a split tube and the other a channel, a central clip around the split tube maintaining the member folded, and a core of fibrous, moisture absorbent



material in the split tube, said core having end portions projecting from the ends of the split tube and adapted to form filter heads, one of the latter heads lying partially in the channel portion with the latter channel portion projecting beyond the head that partially lies therein.

2,407,485
TELEVISION CONTROL SYSTEM
Sanford F. Essig, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application June 1, 1944, Serial No. 538,211
7 Claims. (Cl. 178—7.2)

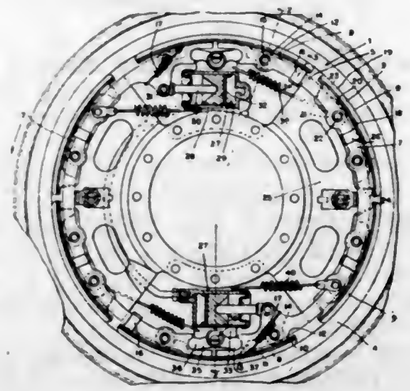


1. A television transmitter comprising a photosensitive electrode, an electron gun for directing a low velocity beam of electrons towards said electrode, means for projecting an optical image of a scene to be transmitted on said electrode to establish discrete positive charges thereon corresponding to said optical image, means for focusing said electron beam and for directing it over predetermined paths between said electron gun and said electrode, means for utilizing the effect of said electron beam on said electrode to develop picture signals, and automatic means for varying the intensity of said electron beam in direct relation to the average amount of light projected on said electrode.

2,407,486
VETERINARY COMPOSITIONS
Albert L. Flenner and Clarence A. Littler, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 21, 1941, Serial No. 419,994
1 Claim. (Cl. 167—53)

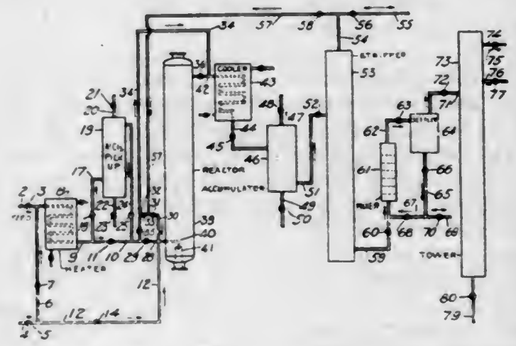
A composition of matter consisting in a dry free-flowing dispersible powder comprising 0.05–5% sodium alginate, 0.05–2% gum karaya, and the balance substantially all phenothiazine, being characterized in a 40% aqueous suspension as a stable fluid paste.

2,407,487
BRAKE
Joseph A. Forbes, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 29, 1944, Serial No. 537,850
6 Claims. (Cl. 188—78)



1. A brake comprising a brake drum, an expansible device having diametrically opposite separable ends, diametrically opposite anchor means between and engageable with said separable ends, diametrically opposite actuators for relatively moving said separable ends away from each other to expand said device and internal brake members movable by said device against said drum and comprising diametrically opposite brake members bridging said separable ends and operatively connected to said device to transmit their torque when against said drum to said device to increase the expanding force on said device in either direction of rotation of said drum.

2,407,488
ISOMERIZATION PROCESS
William B. Franklin, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 22, 1944, Serial No. 519,306
4 Claims. (Cl. 260—683.5)

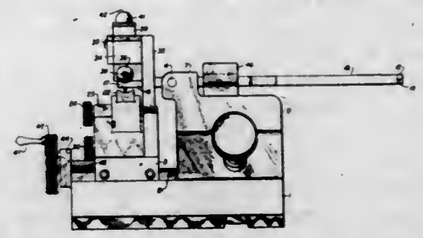


3. In a continuous isomerization process in which a normal paraffin of at least four carbon atoms per molecule in admixture with promotional amounts of hydrogen halide are contacted under isomerization reaction conditions with a catalyst comprising a porous support carrying aluminum halide, the step of replacing, at intervals indicated by decrease in activity of the catalyst, the hydrogen halide in the feed mixture with anhydrous aluminum halide without substantially altering the conditions of operation, the replacement in each instance being of sufficient duration to effect a substantial restoration of the activity of the catalyst.

2,407,489
ELECTRODEPOSITION OF ZINC
Allen G. Gray, Rocky River, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 22, 1942, Serial No. 459,283
14 Claims. (Cl. 204—55)

1. In a process for the electrodeposition of zinc, the step comprising effecting electrodeposition of zinc from an aqueous acid-zinc electrodepositing solution in the presence of about from .05 to 5.0 grams per liter of 1-anthraquinone sodium sulfonate.

2,407,490
SURFACE CHECKING AND COMPARING DEVICE
Jonas Floyd Gregg, Cleveland, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application May 11, 1945, Serial No. 593,167
10 Claims. (Cl. 33—174)

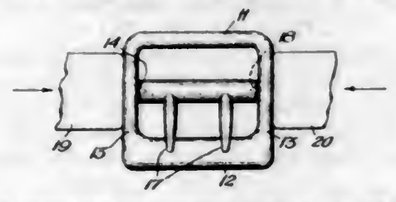


5. A device for comparing and visually indicating the relative conformance between the radius surface contours of a master and a specimen anti-friction bearing race, said device comprising a base a head and mounting means including a pair of sliding blocks with spring means therebetween and carrying balls with flattened surfaces to engage the inner surface of said specimen race to releasably and resiliently center and support the same, a separate head and mounting means thereon for supporting said master race in adjacent spaced relation to said specimen race and manual means for adjusting said master race in two planes relatively to said specimen race, a stylus for each of said races each comprising an arm pivotally connected to said base and carrying a stylus point at its one end resiliently urged to engage the surface contour of its corresponding race, one of said stylus arms carrying at its other end a pointer and the other a reference scale and manual means for moving said heads and said races jointly therewith and equally with their surface contours each in engagement with its stylus point whereby said pointer by reason of its juxtaposition with said scale visually indicates the relative conformity between said surface contours.

2,407,491
BUCKLE AND THE METHOD OF PRODUCING THE SAME
Otto Gries, New Rochelle, N. Y., assignor to Gries Reproducer Corporation, a corporation of New York
Application September 3, 1943, Serial No. 501,197
2 Claims. (Cl. 29—3)

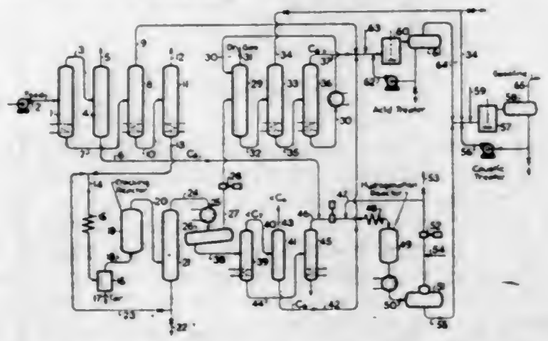
1. The method of producing buckles of the class described, comprising forming independent die castings, one in the form of a four-sided ring-like body having opposed outwardly bowed sides with inwardly projecting and alined conical pivot parts

on said bowed sides, the other casting comprising a pronged rod having a conical socket in the ends thereof, forming said rod of a length less than the spacing between the pivot parts of said bowed sides, arranging said rod between and with the socket ends of the rod in alinement with and ad-



jacent the projecting pivot parts of said bowed sides, and then moving the bowed sides toward each other into parallel relationship to arrange the projecting pivot parts snugly but freely within the sockets of said rod in pivotally coupling and permanently retaining the rod in said body.

2,407,492
PRODUCTION OF GASOLINE
Larry G. Hall, St. Louis, Mo., and Herman G. Boucher, Wood River, Ill., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 11, 1945, Serial No. 598,708
7 Claims. (Cl. 196—50)



1. In the production from petroleum of gasoline comprising straight run gasoline and cracked gasoline, the improvement which comprises separating from a cracked gasoline an olefinic fraction consisting largely of C_8 hydrocarbons, replacing said separated olefinic fraction with a saturated straight run gasoline fraction consisting largely of C_8 and C_7 hydrocarbons, subjecting the thus produced blend of said dehexanized cracked gasoline and straight run gasoline fraction to a hydrofining treatment under hydrogen pressure in the presence of a hydrogenation catalyst, subjecting said separated olefinic fraction to an acid refining treatment, and recombining the acid refined material with the hydrofined blend.

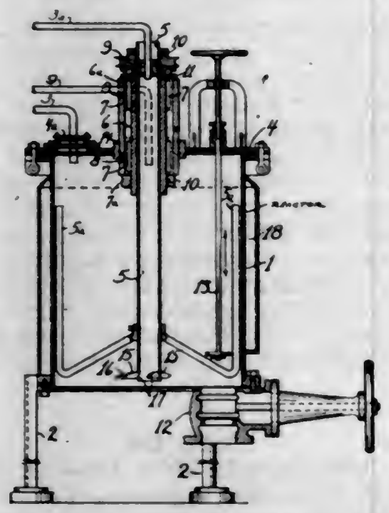
2,407,493
ELECTRIC APPARATUS
Lucas P. Hart, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 16, 1942, Serial No. 443,217
10 Claims. (Cl. 174—17)

1. Electrical apparatus comprising in combination a tank having therein an electrical conductor and an insulating fluid comprising a halogenated aromatic hydrocarbon, and a gasket material between adjoining portions of said tank, said gasket material being exposed to the action of said fluid and comprising a plasticized copolymer of butadiene and acrylonitrile, the plasticizer for said copolymer being dissolvable in said fluid at operating temperatures of said apparatus, said fluid having the characteristic of replacing the dissolved plasticizer so as to main-



tain substantially the plasticity of said gasket material, whereby a fluid-tight seal is maintained between said adjoining portions of said tank.

2,407,494
LOW-TEMPERATURE PROCESS OF POLYMERIZING ISOOLEFINIC MATERIAL
Harman Hartvigsen, Scotch Plains, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application January 2, 1941, Serial No. 372,947
7 Claims. (Cl. 260—94)

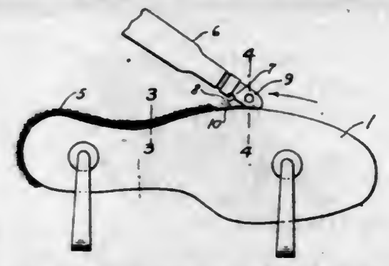


1. In the low temperature polymerization of iso-olefins to high molecular weight polymerization products which are formed as solids under the reaction conditions by addition of a suitable polymerization catalyst to a cold liquid medium containing said iso-olefin at temperatures between 0° C. and −100° C., an improved method of operation comprising turbulently agitating the liquid medium by a rotating member therein having a trailing edge, delivering a fluid Friedel-Crafts polymerization catalyst through the trailing edge of the said rotating member, and introducing said fluid polymerization catalyst through said trailing edge into the cold reaction medium to cause rapid dispersion of the catalyst therein with immediate formation of solid polymerization products which are projected away from the zone of catalyst introduction by the driving action of the said rotating member.

2,407,495
METHOD AND APPARATUS FOR FORMING THERMOPLASTIC INNER SOLES
Le Roy B. High, and Gunnar C. T. Lindh, Detroit, Mich., assignors to The Udylite Corporation, Detroit, Mich., a corporation of Delaware
Application November 24, 1943, Serial No. 511,560
11 Claims. (Cl. 154—42)

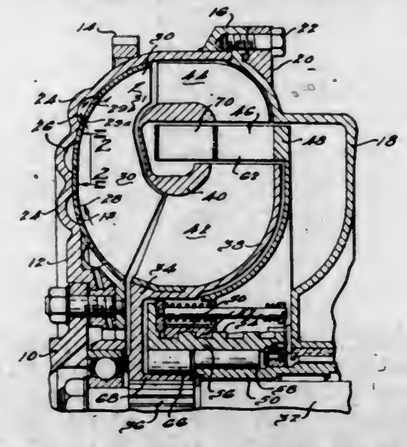
1. The method of welding a plurality of sheets of thermoplastic material along their edges comprising the following steps: placing the sheets with their larger faces in contact, applying a hot

gaseous blast to the edges of said sheets to melt the same at a temperature below the thermal decomposition point of the thermoplastic mate-



rial, and then smoothing off the melted edge portions to form a homogeneous joint along the edges of said sheets.

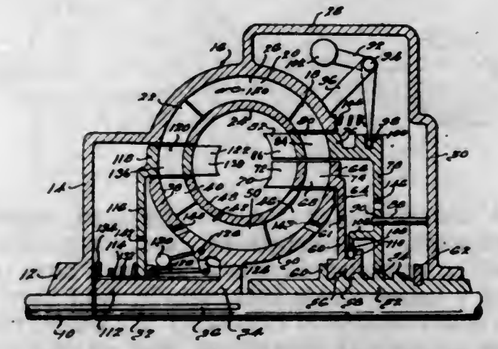
2,407,496
FLUID TRANSMISSION
Joseph Jandasek, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 28, 1943, Serial No. 492,537
7 Claims. (Cl. 60—54)



2. A fluid transmission comprising a corrugated housing, fluid deflecting blades carried thereby and defining therebetween cooling chambers.

5. In a fluid power transmitting device, a housing having a generally radially extending outer wall, spaced vanes positioned in the housing, and liquid cooling chambers interposed between the outer wall and the spaced vanes.

2,407,497
FLUID TRANSMISSION
Joseph Jandasek, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 13, 1943, Serial No. 506,024
13 Claims. (Cl. 60—54)



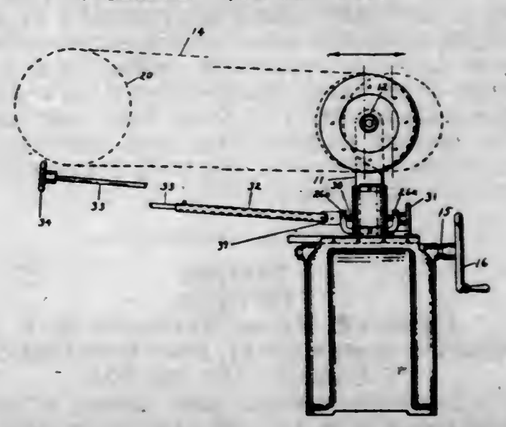
1. A fluid transmission comprising an impeller, a turbine cooperating with the impeller to form a fluid circuit, an auxiliary impeller and a guide wheel interconnected therewith each including a plurality of spaced channels having rectifying vanes adapted to be alternately introduced in the fluid circuit, and speed responsive means controlling the auxiliary impeller to position one of said spaced channels in the fluid circuit.

2,407,498
SHOE
Harry H. Johnson, Brookline, Mass.
Application November 8, 1944, Serial No. 562,439
6 Claims. (Cl. 36—2.5)



1. In an article of footwear, a sole structure which has ball, shank and heel portions and has a spring means incorporated within the ball and shank portions thereof and of such a strength and configuration as to resiliently maintain said shank and heel portions of the sole at a materially steeper angle of inclination with respect to said ball portion than the corresponding angle in an ordinary shoe of the same size and style when off the foot, said spring means having a forward portion in the ball of the sole, a flexibly resilient intermediate portion and a rear portion extending rearwardly well into the shank portion of the sole, whereby when said footwear is worn said spring means inherently presses the shank portion of the sole resiliently against the foot and tends to elevate the shank and heel portions of the sole at all times during walking.

2,407,499
MEASURED TENSION CONTROL FOR ABRASIVE BELT SYSTEMS
Stanley H. Klossner, Utica, N. Y., assignor to Divine Brothers Company, Incorporated, Utica, N. Y., a corporation of New York
Application August 27, 1945, Serial No. 612,736
5 Claims. (Cl. 51—148)



1. In a measured tension control for an abrasive belt system, a pedestal, a slide adapted to move in said pedestal, an arm carrying a pulley mounted on said slide, bosses depending from said slide, a screw mounted in said pedestal and piercing said bosses, means for turning said screw, a nut mounted on said screw between said

bosses, a compression spring interposed between said nut and one of said bosses, whereby rotation of the screw will increase tension on said spring and move said slide, to increase tension on said belt, and means on said slide for rocking said pulley, whereby to track said belt.

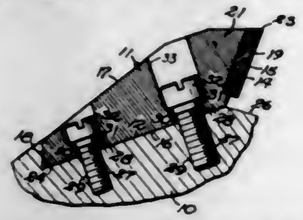
2,407,500
CONTAINER FOR EXPLOSIVE SHELLS
Harold E. Krasner and Bertha Klausner, New York, N. Y.
Application February 3, 1945, Serial No. 576,094
3 Claims. (Cl. 206—3)



2. In a container for explosive shells having a cylindrical case closed at one end, a fibrous laminated disk at said end, a shell on said disk and closely fitting the walls of said case, a second laminated disk on the top of said shell and fitted into said case, the improvement which consists in that each of said disks consists of four transverse plies of felted fibers, the major portion being cellulose fibers and the minor portion being animal fibers in the ratio of about 75% rag fibers and 25% wool fibers, the length of said fibers being from .25'' to .50'', each of said plies being treated with from .5 to 2% by weight of ammonium salts of inorganic acids to render the plies fire-resistant and oil-repellant, a relatively thin cementing film of melted asphalt mixed with finely divided inorganic filler in the ratio of about 50% of asphalt and 50% diatomaceous earth sprayed on the meeting faces of said plies, said plies having been subjected to pressure while the asphalt is hot to consolidate said disk, whereby the resiliency of said plies is retained, the outer faces of said disk being impregnated to a small depth by a solution in a volatile solvent of a mixture of a major portion of asphalt and a minor portion of an inert, finely-divided, mineral filler in the ratio of about 80 to 20, said disk being resilient, strong, and having a high dielectric value, said cellulose fibers having been treated with sodium hydroxide and washed.

2,407,501
CUTTER
Charles E. Kraus, Rochester, N. Y.
Application September 11, 1944, Serial No. 553,484
5 Claims. (Cl. 29—105)

1. A tool comprising a body having a flat blade seat thereon and a rigid abutment upstanding from said seat at one end thereof and disposed at an acute included angle with respect to the seat, a blade having a flat bottom resting on said seat and a tail end contacting said abutment, the top of said blade converging toward said bottom surface in the direction of said abutment, said body extending from said seat beyond the other end of said blade and shaped to fully expose the latter end, a cutting face formed on said other blade end and terminating in a cutting edge projecting laterally from said body, headed screws



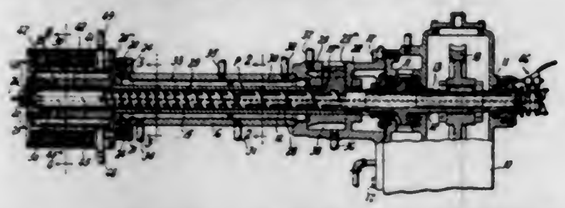
spaced longitudinally of said blade and projecting through the blade and into said body to clamp the blade against said seat, the heads of said screws having conical bottoms, and conical seats for said heads formed in said blade.

2,407,502
MILLING CUTTER
Charles E. Kraus, Rochester, N. Y.
Application September 11, 1944, Serial No. 553,576
4 Claims. (Cl. 29—103)



1. A rotary cutter comprising a rigid body for rotation about an axis and having an annular face disposed about said axis and an adjoining surface tapered with respect to the axis, a ring adapted to fit against said annular face and having an internal surface mating with said tapered surface, and means for anchoring said ring to said body to clamp the same against said annular end face and tapered surface, said ring having cutting teeth at the periphery thereof.

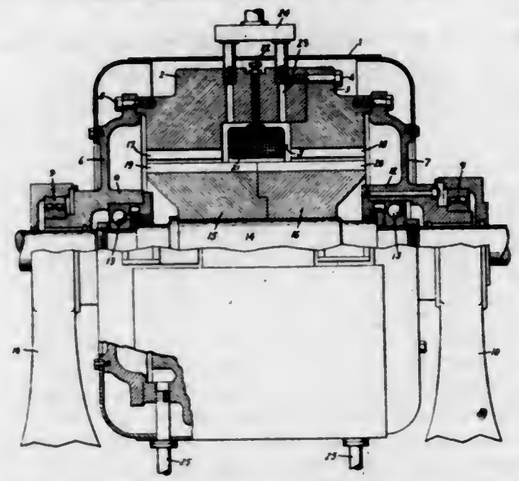
2,407,503
APPARATUS FOR EXTRUDING THERMOPLASTIC MATERIALS
Wilhelm A. Magerkurth and Hans E. Buecken, Akron, Ohio, assignors to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application January 21, 1941, Serial No. 375,124
5 Claims. (Cl. 18—12)



1. A machine for plasticizing and extruding thermoplastic materials of the character described, comprising a casing having a bore therein, and a screw shaft rotatable in said bore, said screw shaft having a hub with a feeding rib extending outwardly therefrom, said casing having a cavity communicating with said bore at the extrusion end of the machine, said shaft having a

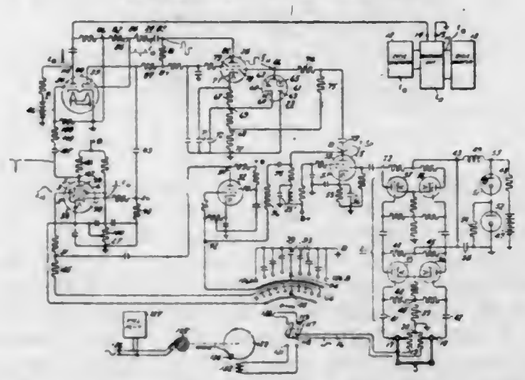
substantially cylindrical extension projecting into said cavity said extension being rotatable with said shaft, the diameter of the extension being greater than that of said hub, the surface of said extension being in closely and uniformly spaced relation to the surface of said cavity, said extension having a helical rib thereon projecting outwardly therefrom and engaging the surface of said cavity.

2,407,504
DYNAMOELECTRIC MACHINE
Harold M. Martin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 20, 1944, Serial No. 564,220
3 Claims. (Cl. 188—104)



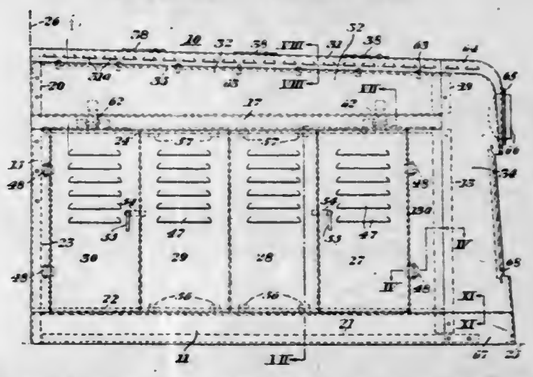
1. An electrical machine having a pair of relatively rotatable members of magnetic material with an air gap therebetween, a plurality of slots in the magnetic material of both of said members adjacent said air gap, means including a field exciting winding for providing magnetic excitation to said magnetic material members and through said air gap, means substantially filling said slots with non-magnetic material for providing a substantially smooth surface to said relatively rotatable members adjacent said air gap, and means for supplying liquid to said air gap intermediate the ends thereof for cooling the air gap surfaces of said members.

2,407,505
ELECTRIC DISCHARGE DEVICE CIRCUIT
Philip C. Michel, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 4, 1942, Serial No. 437,627
9 Claims. (Cl. 250—27)



1. Apparatus for producing a sharp signal impulse in response to a cycle of voltage fluctuation comprising a pair of input terminals adapted to have voltage fluctuations applied thereto, a device connected to said terminals for amplifying the voltage to steepen the portion of the voltage cycle at the zero cross-over point, said device having two output connections, a pair of diode rectifiers connected in parallel with unlike electrodes together between the output connections of the amplifying device, and a pair of output terminals for the apparatus, one of the diodes being biased positively with respect to a datum potential, the other being biased negatively with respect to a datum potential whereby the voltage wave applied thereto is clipped at the positive and negative values corresponding to said biases, said diode rectifiers being coupled to said output terminals by a resistance capacity circuit having a relatively small product of resistance and capacity, said coupling circuit including a resistance connected between the output terminals and a condenser connected between one of the output terminals and one of the output connections of the amplifying device, the second output terminal of the apparatus being connected to the second output connection of the amplifying device.

2,407,506
ENGINE HOUSING FOR LOCOMOTIVES OR THE LIKE
Joseph M. Milheizler, Pittsburgh, Pa., assignor to H. K. Porter Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application March 15, 1944, Serial No. 526,633
2 Claims. (Cl. 105—62)

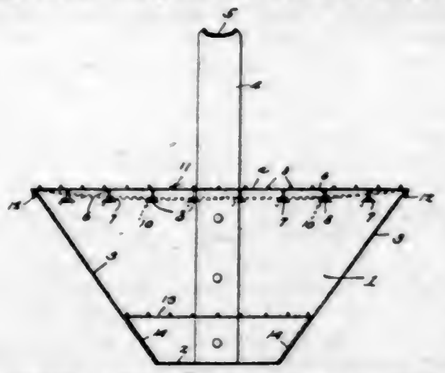


1. An engine housing for locomotives or the like comprising spaced bottom rails, front and rear posts extending upwardly from said rails, upper rails supported on said posts, a roof carried on said upper rails, front and rear arch members extending between said upper rails, said roof being supported on said arch members and including a pair of downwardly curving side panels each hinged at its lower edge to one of said top rails and a front end closure secured to the front arch member and the front posts, said closure forming a continuation of said panels.

2,407,507
BASKET
Luther L. Mitchell, Anniston, Ala.
Application May 2, 1944, Serial No. 533,717
1 Claim. (Cl. 47—41)

A basket for holding picked flowers including a container portion and a handle portion joined thereto, said container portion having downwardly converging end walls and parallel side walls, a flexible grid removably mounted on the end walls and spaced from the side walls, downwardly converging fingers at the ends of the grid extending under portions of and normally engaging said end walls and underlying the upper

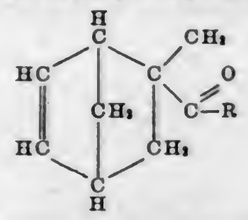
edges of said end walls, and supporting rods detachably connecting the parallel walls, said rods



being located beneath the grid to support the same between its ends and prevent excessive sagging of the grid between the side walls.

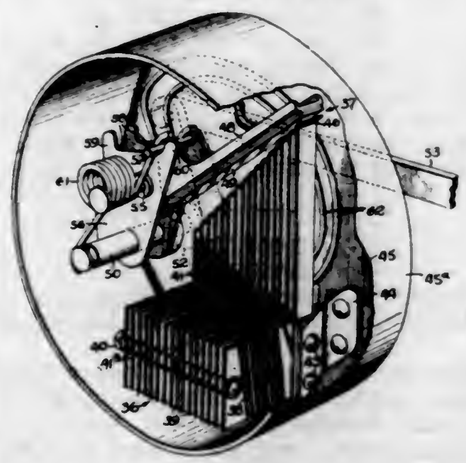
2,407,508
UNSATURATED BICYCLIC CARBONYLIC COMPOUNDS AND THEIR PREPARATION
Rupert C. Morris, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 26, 1944, Serial No. 532,902
6 Claims. (Cl. 260—586)

1. A compound having the general formula



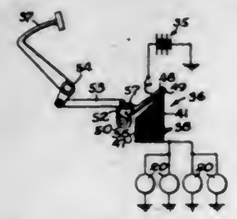
wherein R is a member of the group consisting of the hydrogen atom and the methyl radical.

2,407,509
CIRCUIT CONTROLLER
John George Oetzel, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois
Application October 25, 1943, Serial No. 507,548
13 Claims. (Cl. 200—1)



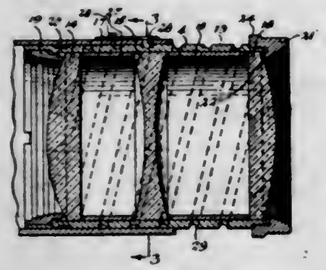
3. In a circuit controller, a contact mechanism combining a plurality of elongated flexible contact strips disposed side by side, means providing a cantilever mounting for one end of said strips, said strips projecting progressively increasing distances from said mounting with their free ends substantially alined, a member mounted for movement toward and away from said free ends, an arm pivotally mounted on said member and having a lost motion connection therewith, resilient means urging said arm toward said ends, and a contact surface carried by said arm and first engaging the longest of said strips and then engaging the free ends of the other strips successively in the advance of said member.

2,407,510
BRAKE CONTROL
John George Oetzel, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois
Application October 11, 1943, Serial No. 505,811
4 Claims. (Cl. 188—161)



1. A system for controlling the energization of electromagnetically controlled brakes on a vehicle comprising means providing an energizing circuit for said brakes including a source of electric current and a voltage changer having a member movable away from and back toward a brake-released position to respectively increase and decrease the energization of said brakes progressively, a manually operable actuating element, and mechanism actuated by said element and actuating said member differentially to produce greater energization of said brakes at a given position of said element in moving away from said released position than during the return movement of the element.

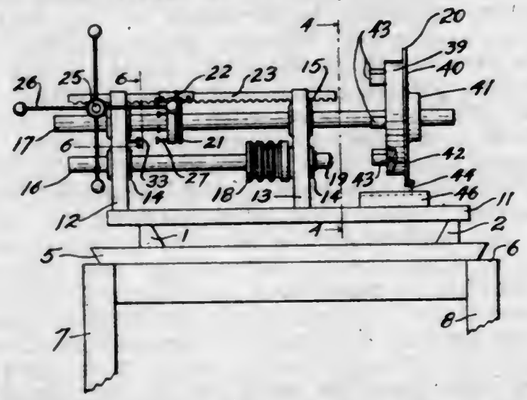
2,407,511
PROJECTION APPARATUS
William F. Peck, Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association
Application December 9, 1942, Serial No. 468,368
3 Claims. (Cl. 88—57)



1. In a device of the character described, for supporting a lens unit in optical alignment with a projection apparatus, a support, a first tubular member mounted on said support, a second tubular member having a portion thereof longitudinally adjustably mounted in said first tubular member, said second tubular member having groove means on the wall thereof adjacent said first tubular member for adjusting said second tubular member relative to said first tubular member, three or more circumferentially spaced

detent members carried by said first tubular member and engaging said grooves in said second tubular means, means for resiliently urging at least one of said detent members toward said second tubular member, said detent members having portions engaging said groove means at spaced intervals to support said second tubular member within said first tubular member and prevent sagging or tilting of said second tubular member within said first tubular member while allowing adjustment thereof for focusing the lens system carried thereby and a circumferential light trap adjacent the inner end of said first tubular member and extending over the space between said tubular members and adapted to prevent the leakage of light between said tubular members.

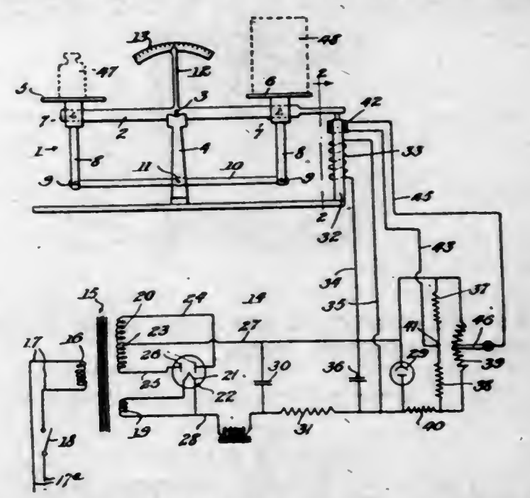
2,407,512
MACHINE
Earl E. Petzold, Burbank, Calif.
Application April 13, 1944, Serial No. 530,842
2 Claims. (Cl. 29—46)



1. In a lathe device and the like, a base plate having means extending therefrom for supporting and providing bearings for a pair of shafts and a toothed rack, a power shaft having at an end thereof means for holding a work piece, another shaft parallel with the power shaft and having a tool head fixed thereto near an end thereof, a toothed rack having means for reciprocating it, a flange-like sleeve fixed to the said another shaft and also to the rack, a stop element supported by the base facing said sleeve, a plurality of adjustable stop pins about the periphery of the sleeve positioned so that any one of the stop pins can make contact with the stop element, a grooved block fixed to the base beneath the tool head, a plurality of fingers around the periphery of the tool head adapted to enter the grooved block and guide the tool head in a predetermined path.

2,407,513
TARE WEIGHT COMPENSATING APPARATUS FOR WEIGHING SCALES
Richard T. Pounds, Columbus, Ohio, assignor to The Exact Weight Scale Company, Columbus, Ohio, a corporation of Ohio
Application October 15, 1943, Serial No. 506,347
6 Claims. (Cl. 265—54)

1. The combination with a weighing scale of the type having a lever pivotally mounted at its center and carrying weight receivers adjacent to its ends, of magnetic means for establishing a localized magnetic field adjacent to said lever in spaced relation from its central pivotal mounting, a coil carried by said lever and arranged in said field to receive the lines of force thereof, and manually regulable means for effecting the passing of direct current in varying magnitude and in either direction through said coil to produce controlled magnetic forces attracting or repelling



said lever, whereby to cause the lever to assume under such magnetic action a desired weighing position.

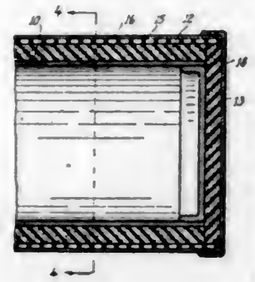
2,407,514
MANUFACTURE OF FIBROCEMENTITIOUS SHEETS
Ernest Wayne Rembert, Hinsdale, Ill., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 11, 1943, Serial No. 502,047
14 Claims. (Cl. 25—42)

7. In apparatus for molding dense and hard fiber-cement sheets, telescopically fitting relatively movable mold cavity and mold plunger elements, a resilient rubber texture plate reciprocably mounted within the mold cavity and forming the base of the mold cavity, means for restraining said plate against movement within the mold cavity while the mold elements are advancing into telescopic relation in molding a charge, a press having relatively movable platens operatively connected respectively with said mold cavity and plunger elements, said plate being movable independently of movement of the platens, and means for depositing and leveling a non-free-flowing charge of fiber-cement mixture in a layer of predetermined area and thickness over a face of one of said mold elements.

2,407,515
SELF-SEALING TANK
Dudley Roberts, deceased, late of New York, N. Y., by Dudley Roberts, Jr., executor, New York, N. Y., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware
Application October 9, 1940, Serial No. 360,396
4 Claims. (Cl. 154—43.5)

1. A tank and a layer of closed cell gas expanded rubber positioned over said tank, means

for inwardly compressing said closed cell rubber in the plane of said layer of closed cell rubber,



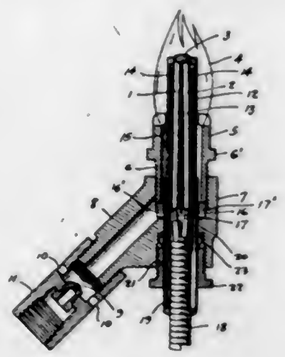
and a shock resistant protective layer positioned over said closed cell rubber.

2,407,516
SAFETY RAZOR
Richard F. Roberts, Freeport, N. Y.
Application August 7, 1944, Serial No. 548,405
9 Claims. (Cl. 30—47)



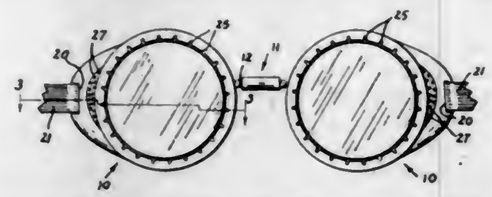
1. A safety razor having a blade holder with a handle receiving slot therein, and a lengthwise and transversely foldable handle that in folded condition provides an approximate trihedral connection at one end thereof adapted to engage the socket in said holder.

2,407,517
THERMOELECTRIC GENERATOR
William R. Ray, Glendale, Calif., assignor to General Controls Co., a corporation
Application April 9, 1941, Serial No. 387,591
9 Claims. (Cl. 136—4)



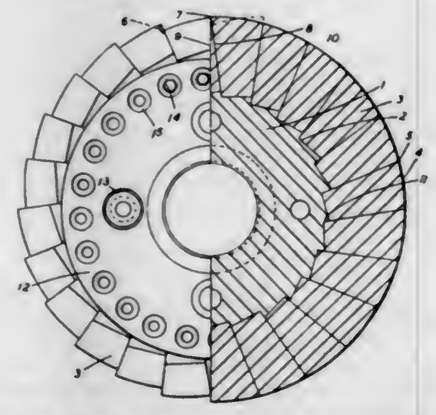
1. In combination, a burner tube having open ends, a thermoelectric generator structure having an external sheath and disposed in said tube so that one end of the sheath extends beyond the tube and defines with said end, one or more burner jets arranged around said extending end, an annular clamping ring disposed around the sheath adjacent the other end of said tube, and in contact with the tube, to close the space between the interior of the tube and the exterior of the sheath, and thereby serving to seal and support said sheath within the tube, and means for passing a fuel mixture into the tube.

2,407,518
EYE PROTECTION DEVICE
George H. Schauweker, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 18, 1943, Serial No. 514,774
3 Claims. (Cl. 2—14)



1. In a device of the character described a pair of eyecups formed of heat expandable plastic material, each of said eyecups having an integral edge portion shaped substantially to fit the face of the wearer and having an opposed integral portion formed with an inner lens receiving groove and a plurality of radially disposed spaced grooves extending transversely of the lens receiving groove with the said spaced grooves being of a greater depth than the depth of the lens receiving groove and a lens located within said lens receiving groove with the contour edge thereof in intimate engagement with said groove between the respective transversely extending grooves, with the base of the respective transversely extending grooves spaced from the edge of the lens and with the forward circumferential edge of the portion having the lens receiving groove therein being of a circumferential dimension less than the greatest circumferential dimension of the lens, the integral side wall on the temporal side of each eyecup being of a thickness much less than the thickness of the remaining side walls of the eyecup and having a plurality of spaced openings extending therethrough.

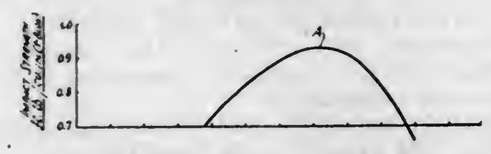
2,407,519
INSERTED TOOTH TOOL
Wilfred Slater, Quinton, Birmingham, England
Application September 16, 1943, Serial No. 502,685
In Great Britain March 1, 1943
4 Claims. (Cl. 29—105)



1. Means for supporting independent tooth tools comprising a circular body formed for supporting independent tooth tools for simultaneous shaping into cutting elements and subsequently supporting said cutting elements in cutting position, said body being peripherally formed with immediately successive recesses to present flat seats and tooth tools having flat bases to seat in said recesses and bear throughout on the flat seats, the extended lengths of the tools beyond the recesses being in relatively mutual contact

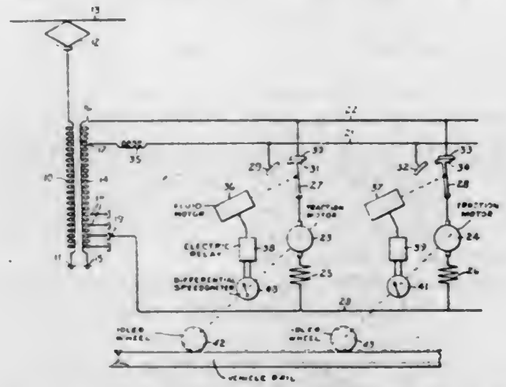
throughout the circumferential length of the body to present the free ends of the tools remote from the body as relatively rigid segments of a common circle to permit desired shaping of the ends of the tools in a single operation under rotation of the body, the formation of the seats, the cooperating ends of the tools and of the tools beyond the seats providing for a movement of the formed tools throughout 180° to arrange the tools in cutting position on the body with the tools having a substantially identical cooperation with the seats and with each other beyond the seats in the cutting position as in the forming position.

2,407,520
MANUFACTURE OF DIELECTRIC SHAPES
George Smolak, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 16, 1943, Serial No. 514,446
2 Claims. (Cl. 260—38)



1. A hard and tough dielectric panel having an impact strength of not less than 0.9–1.0 ft. lb. per cubic inch, a dielectric strength of at least 55 v. per mil thickness, and a flexural strength exceeding 22,500 lbs. per sq. inch, and comprising 60–70% by weight of long crocidolite asbestos fibers, said fibers being coated and bonded together with 30–40% of heat hardened phenol-aldehyde resin.

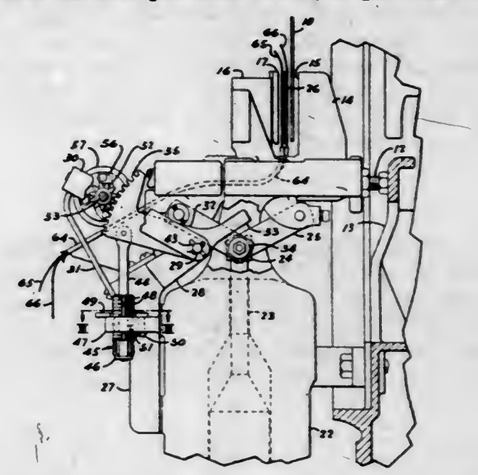
2,407,521
ELECTRIC PROTECTIVE SYSTEM
Zoltan O. St. Palley, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application October 1, 1943, Serial No. 504,575
3 Claims. (Cl. 105—61)



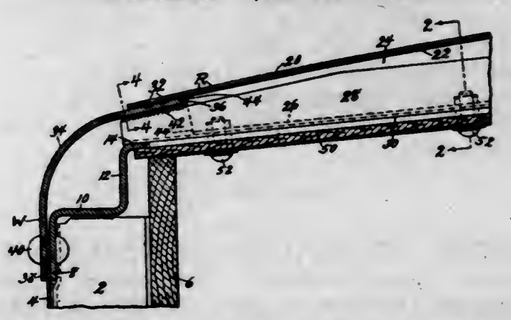
1. A protective system for independently preventing excessive overspeeding of each of a plurality of driving axles of an electrically driven vehicle with respect to an idler wheel of said vehicle comprising a plurality of alternating current traction motors separately connected to said driving axles, a supply transformer having a plurality of voltage taps, separate switching means for connecting one terminal of each of said motors independently to selected taps of said transformer, differential speed responsive means connected between an idler wheel and each of said driving wheels for independently controlling each of said switching means to select said taps, and means connecting the other terminals of said motors together and to selectable taps upon said transformer to accelerate said motors.

2,407,522
TICKET PRINTING MECHANISM
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application April 25, 1942, Serial No. 440,479
1 Claim. (Cl. 271—2.4)

In a printer for a weighing scale, paper feeding apparatus comprising, in combination, a fixed stroke reciprocable power source for actuating the printer, a pivoted lever driven in one direction by the power source, a spring urging the pivoted lever in the opposite direction, a segment gear on the end of the pivoted lever, a pinion meshing with the segment gear, a paper engaging roller, an unidirectional clutch operatively connecting the pinion and the roller during the spring urged movement of the lever, and an adjustable stop for limiting the spring urged travel of the lever thereby determining the paper feed per printing cycle.

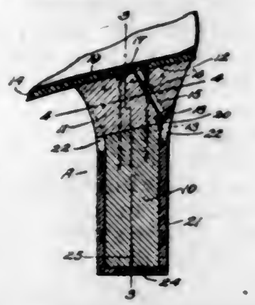


2,407,523
SIDE PLATE CONSTRUCTION FOR FREIGHT CARS
Victor Willoughby, Concord, N. H., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 6, 1945, Serial No. 597,900
8 Claims. (Cl. 105—409)



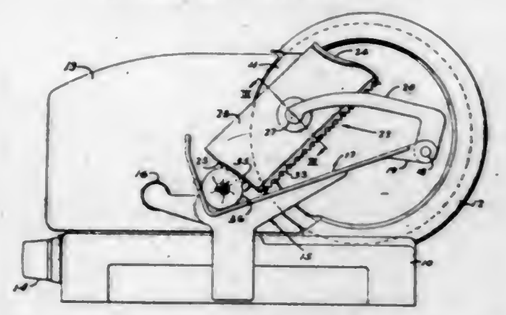
1. A railway car construction comprising side posts, an inner side plate member secured to the upper ends of the side posts, roof sheets, an outer side plate member having its inner edge secured to the edges of the roof sheets and its outer edge secured to the outer edge of the inner side plate member, and carlines secured to the roof sheets and having their outer ends interposed between and joining the inner edges of said inner and outer side plate members.

2,407,524
SHOE HEEL CONSTRUCTION
George B. Wisecarver, Pikeville, Ky.
Application May 5, 1945, Serial No. 592,166
3 Claims. (Cl. 36—34)



1. Shoe heel construction, comprising a body composed of cylindrical shank and seat sections suitably united with the major axis of the shank section intersecting that of the seat section, and an outer covering for said sections, said covering being split at its upper end for application to the sides of the seat section.

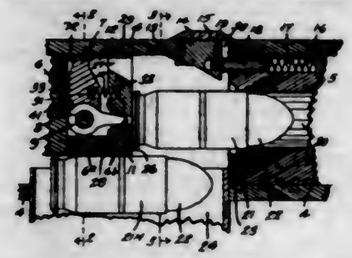
2,407,525
FOOD HANDLING APPARATUS
George R. Wood, Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application April 12, 1943, Serial No. 482,765
2 Claims. (Cl. 146—102)



2. A commodity clamp for a slicing machine having a V-shaped commodity carrier, comprising a generally rectangular pusher plate fitted with commodity engaging members on its face and some of its edges and mounted for reciprocation along said V-shaped carrier with its face perpendicular to its path of movement, said plate being rotatable to present any of its edges to the surface of said carrier and having one of its edges formed with a smooth warped surface of substantial width adapted to cooperate with the corner of said V-shaped carrier to form a funnel shaped guide through which commodities may be manually fed.

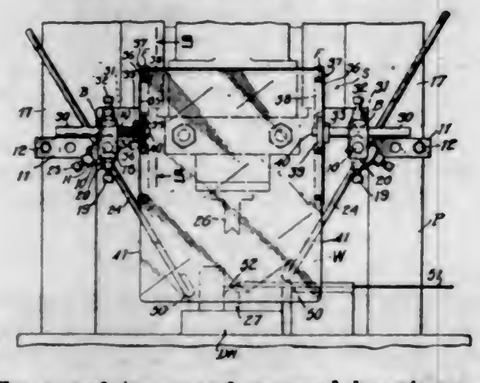
2,407,526
FIRING MECHANISM FOR FIREARMS
George Norman Albree, Winchester, Mass.
Application October 21, 1944, Serial No. 559,757
6 Claims. (Cl. 42—3)

1. A fire arm comprising a barrel having a firing chamber, a breech closure movable from open to closed position and having a rocker-supporting face extending transversely to the direction of movement thereof and facing toward the firing chamber, a rocking member, one face of which has a convexly curved section adjacent one end thereof, a firing pin carried by the other end of the rocking member, said breech closure having provision for supporting the rocking member with its said face loosely resting against and for rolling contact over said rocker-supporting face, and means to engage the first named end of said



rocking member and to rock said member over the rocker-supporting face with a rolling as distinguished from a sliding contact therewith and thus impart to the firing pin an accelerating detonating movement.

2,407,527
PUNCH PRESS SAFETY GUARD
Paul Anstedt, Des Plaines, Ill., assignor to Northern Metal Products Company, Chicago, Ill., a copartnership
Application August 26, 1944, Serial No. 551,365
24 Claims. (Cl. 74—612)



1. In a safety guard, spaced bearings, a window support having means slidably and rotatably sustained by said bearings, spaced rods slidably carrying said bearings, a plurality of holders slidably and rotatably mounted on said rods, and prong means adjustably carried by said holders.

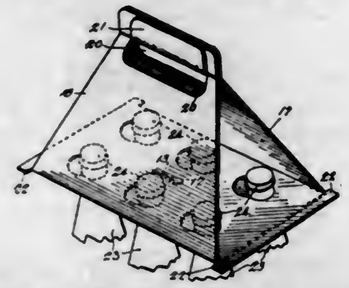
2,407,528
APPARATUS FOR TREATING MATERIAL ON PROPELLER BLADES
John O. Antonson, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 17, 1942, Serial No. 462,372
2 Claims. (Cl. 154—41)



1. Apparatus for treating material on the leading edge of a propeller blade, said apparatus comprising an inflatable flexible walled element generally U-shape in cross section for confining said material between said inflatable element and said leading edge, a heating element generally U-shape in cross-section secured to said inflatable element and located at the inner face of the U-shape inflatable element for positioning adjacent said material, cover means secured to said U-shape

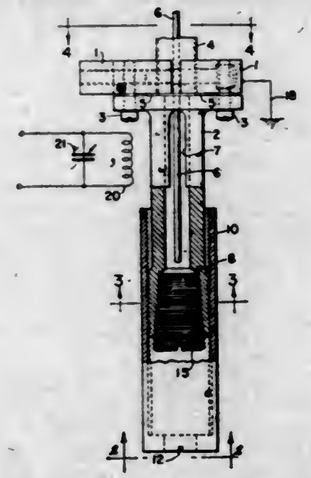
inflatable element and extending from the latter element and providing with said latter element a tubular open-ended body adapted to be mounted over the propeller blade entirely around the same, and means for inflating said U-shape inflatable element to tension said tubular body about said blade while pressing said heating element toward said material.

2,407,529
BOTTLE HOLDER AND CARRIER
William A. Bertram, Chicago, Ill.
Original application March 15, 1944, Serial No. 526,519. Divided and this application March 31, 1945, Serial No. 585,939
5 Claims. (Cl. 224—45)



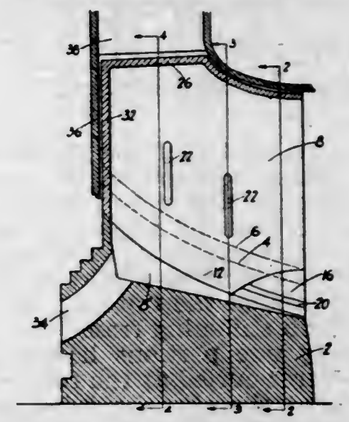
1. A bottle holder and carrier comprising two juxtaposed face-to-face sheets slightly shiftable on each other, said sheets having overlapping openings forming passages therethrough expansible when the sheets are shifted into one position to enable a bottle head and neck to pass through the passage and contractible when the sheets are shifted into another position to grip the neck and prevent withdrawal of the bottle, the lower of said sheets having its ends extended and bent up and over the other to form, when brought together, a handle for carrying the loaded carrier, and the other sheet having end notches to engage the said raised ends when in carrying position, whereby to put and keep the sheets in carrying position when the device is loaded and being carried.

2,407,530
COUPLING DEVICE
Alex J. Bielski and Wayne J. Luckock, Fort Wayne, Ind., assignors to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application September 7, 1942, Serial No. 457,548
3 Claims. (Cl. 178—44)



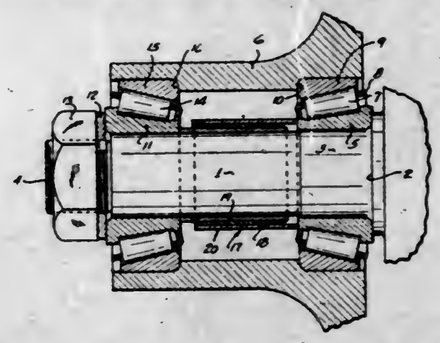
1. A coupling device for use in connection with an electrical conductor comprising a base, a slotted stud secured at one end to said base for receiving said conductor and exposing it to an electrical field, the other end of said stud being split, a rotatable, nonmagnetic shield surrounding said stud and threaded thereto for variably shielding said conductor from said field, and means for expanding said stud whereby said shield may be locked to said stud.

2,407,531
ELASTIC FLUID MECHANISM
Rudolph Birmann, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia, a corporation of the United States of America
Application May 2, 1942, Serial No. 441,538
9 Claims. (Cl. 60—49)



9. A turbine rotor comprising a hub member and vanes extending radially outwardly therefrom, each of said vanes being hollow to provide a cooling gas space opening rearwardly, and the hub being provided with bores extending in a skew direction with respect to the axis of rotation and providing impeller passages communicating with the spaces in said vanes opening forwardly with respect to the direction of rotation.

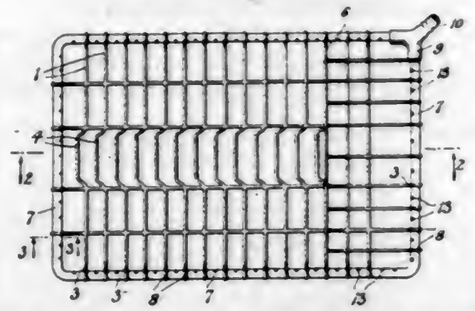
2,407,532
BEARING MOUNTING
Ernest G. Boden, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application September 10, 1945, Serial No. 615,396
6 Claims. (Cl. 308—207)



1. A bearing mounting comprising a shaft, a housing surrounding said shaft, spaced bearings interposed between said housing and said shaft, each comprising an inner bearing member, an outer bearing member and rollers therebetween, one bearing member of one bearing being mounted loosely enough to permit adjustment and a resilient spacer between said adjustable bearing member and the corresponding bearing mem-

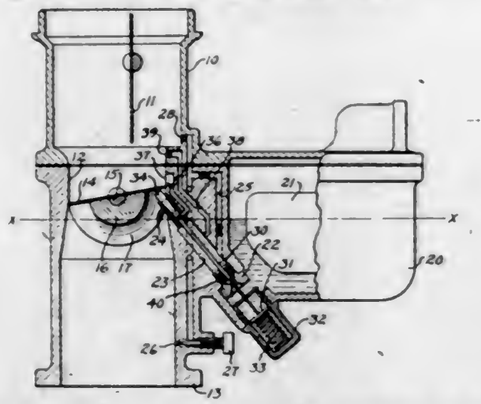
ber of the other bearing, whereby adjustment of said adjustable bearing member is permitted and rotation thereof relative to the corresponding member of the other bearing is prevented.

2,407,533
DISHWASHING DEVICE
Margaret M. Brock, Middle Village, N. Y.
Application January 27, 1944, Serial No. 519,843
1 Claim. (Cl. 134—199)



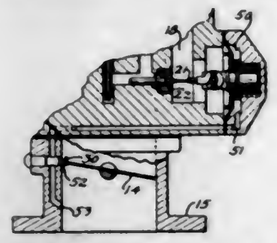
A dish-washing and draining device comprising, a wire basket adapted to be placed in a conventional kitchen sink and provided with rack elements for receiving and supporting a plurality of dishes, an encircling spray tube consisting of a tubular member forming a part of the basket and extending around the top edge of the same and constituting a stiffening frame therefor, said basket including side portions having substantially vertical wires curled at the top around the tube and secured thereto, the tube being provided with inwardly-directed spray openings located between the curled-over ends of the wires, the tube being formed into a continuous annulus by means of a substantially Y-shaped union located at one corner of the top of the basket, said union having two oppositely disposed leg portions coupling together the ends of the tube, said union having a third leg constituting a nipple for connecting the tube to a source of water.

2,407,534
CARBURETOR
Harold A. Carlson, University City, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application April 27, 1943, Serial No. 484,787
7 Claims. (Cl. 261—41)



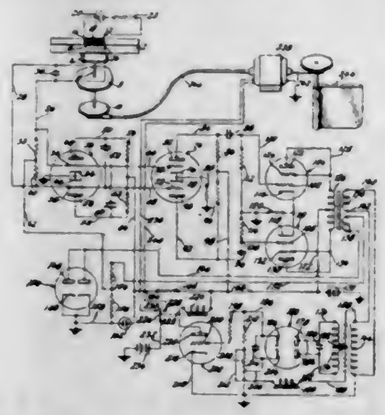
1. In a carburetor, a mixture conduit, a butterfly throttle valve therein having a spheroidal posterior surface with a recess extending normal to the valve axis, a main fuel nozzle with its outlet discharging into said recess, a throttle actuated valve in said nozzle for increasingly restricting the same as the throttle is closed, an air bleed passage opening into said conduit through a port adjacent the edge of said throttle valve when closed, and a second air bleed extending from said nozzle and opening into said conduit beyond said first bleed passage, both said bleed passages being swept by said throttle valve initially during opening thereof for sharply reducing the effectiveness thereof.

2,407,535
CARBURETOR
Harold A. Carlson, University City, and Olin J. Eickmann, Normandy, Mo., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application June 24, 1943, Serial No. 492,144
2 Claims. (Cl. 261—41)



1. In a carburetor, a mixture conduit having a throttle therein, an idling fuel passage and a second fuel passage discharging into said conduit, a valve controlling the flow through said second passage, and a device for operating said valve including a suction chamber having a movable wall, spring means normally urging said wall in the direction to open said valve, and a suction passage connecting said chamber to said mixture conduit, said passage opening into said conduit through port means located partly posterior and partly anterior to said throttle when closed, the posterior part of said port means being at least as large, effectively, as said anterior part, whereby the suction in said chamber decreases with the suction posterior to said throttle as said throttle is opened, said anterior port means being close to the edge of said throttle so as to be increasingly exposed to engine suction as said throttle opens whereby the suction moderating effect thereof is reduced.

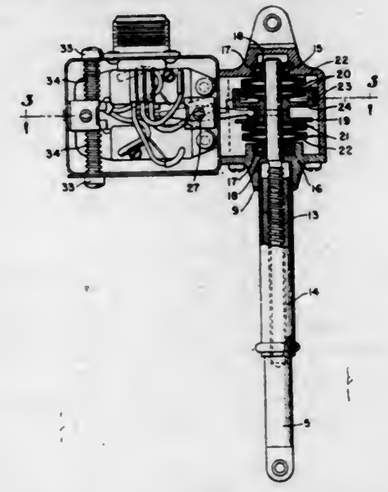
2,407,536
COMPASS
Frederick W. Chapman, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 23, 1943, Serial No. 491,881
11 Claims. (Cl. 172—239)



9. In a control system, means whose inductance is altered by a change in its relative axial

position in a magnetic field, capacity means connected thereto to form a resonant circuit, an oscillator controlled by said resonant circuit, frequency sensitive means connected to the output of the oscillator including a transformer having a primary and a center tapped secondary, a connection between one end of the primary and the center of the secondary, a diode connected to each end of the secondary, a pair of resistors connected across the diode output whereby the resultant voltage developed across the resistors will reverse in polarity as the frequency on the primary changes due to phase shift on the primary and half secondary supplying power to the diodes, a vacuum tube relay connected across the resistors, switching means operated by the relay, and control means operated by the switching means.

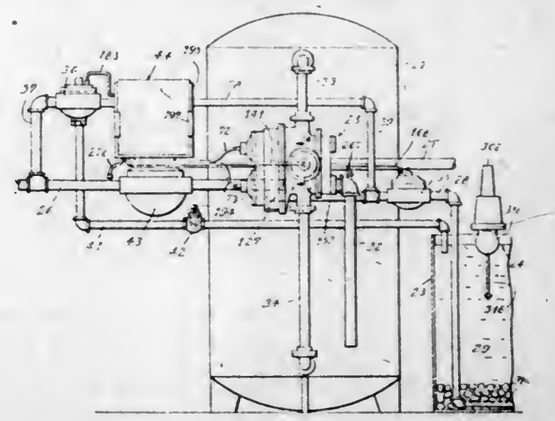
2,407,537
POWER OPERATED ACTUATOR
James E. Chapman, Phoenix, Ariz., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application May 13, 1944, Serial No. 535,533
9 Claims. (Cl. 192—142)



1. In an actuator for moving a part into a prescribed position: a first screw member having connection to said part; a second screw member engaging said first screw member so that relative rotation of said screw members will produce operative movement of said first screw member, said second screw member having a rearwardly faced shoulder; bearing means supporting said second screw member so that it may have rotary and axial movement; power means for rotating said second screw member; yieldable thrust means engaging said shoulder and resisting rearward movement of said second screw member under normal load applied thereto, said thrust means permitting rearward axial movement of said second screw member when an overload is applied thereto as the result of said part's reaching its prescribed position; and means actuated by said rearward axial movement of said second screw member to stop the operation of said power means.

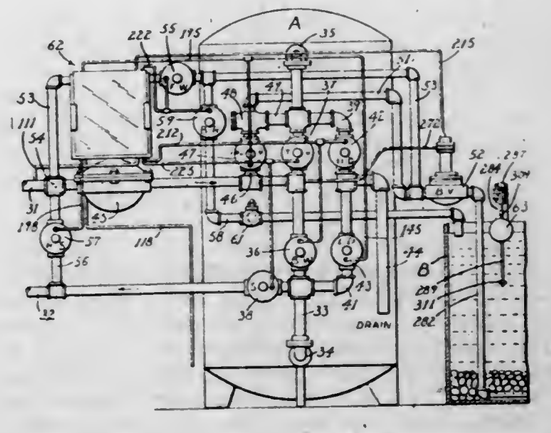
2,407,538
AUTOMATIC WATER TREATING DEVICE
Lee G. Daniels, Rockford, Ill.
Application August 9, 1941, Serial No. 406,188
26 Claims. (Cl. 210—24)

1. The combination in a water treatment apparatus of a treatment tank, a reagent tank, a conduit system connected to said tanks including conduits for raw water, treated water, regeneration reagent, and waste, a first valve means in said conduit system movable for controlling the flow of liquid through said conduits to effect the steps of back-washing, regenerating, rinsing and service, a second valve means in said conduit system connected to the first valve means for supplying to said first valve means an additional flow



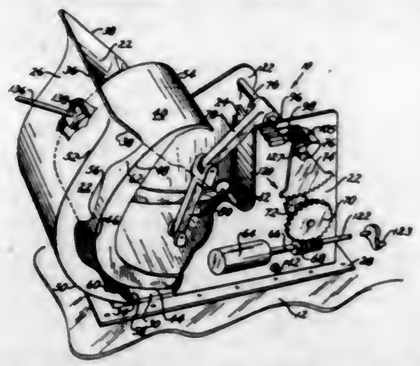
of water toward the end of said rinse step, said second valve means also being connected to said reagent tank to simultaneously provide a flow of water thereto, and operating means for moving said first valve means from said rinse step to said service step and for closing said second valve means when said reagent tank is filled to a predetermined level.

2,407,539
VALVE SYSTEM AND CONTROL THEREFOR
Lee G. Daniels, Rockford, Ill.
Application May 17, 1943, Serial No. 487,239
24 Claims. (Cl. 210—24)



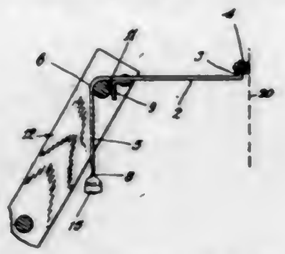
1. The combination in an automatic water treating apparatus having a water treating tank, piping connected to both ends of said treating tank, a water supply pipe, a service pipe, a waste pipe connected to said piping, a plurality of power operated valves located in said pipes and piping, of control means comprising a meter located in said water supply pipe, a disk rotated by said meter as water flows therethrough, a plurality of flat and offset cams on said disk, an electric circuit, a plurality of electrical switches arranged in said circuit and positioned to be actuated by said cams, and means for operating said valves controlled by said switches.

2,407,540
CABIN PRESSURE CONTROL VALVE
Bruce E. Del Mar, West Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application April 30, 1943, Serial No. 485,247
22 Claims. (Cl. 98—1.5)



21. An outlet valve device, including the combination of: stationary wall means and a movable valvar wall forming a passage, the movable wall being shaped and mounted with respect to the stationary wall means to have a wall portion parallel to the opposite stationary wall of the passage and a wall portion which is a continuous downstream extension of said parallel wall portion and converges downstream toward the opposite stationary wall to the outlet opening of the valve; and means for moving the valvar wall as a whole to move the parallel portion thereof in parallelism to the opposite stationary wall and the converging portion thereof toward or from the opposite stationary wall.

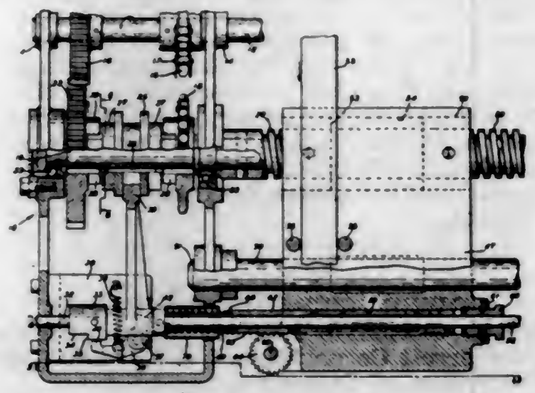
2,407,541
LADDER BRACKET
Victor C. Ehnborn, Chicago, Ill.
Application March 4, 1944, Serial No. 525,099
2 Claims. (Cl. 228—60)



1. In a ladder support bracket, a substantially U-shaped frame having its sides bent laterally of the plane of said frame at points spaced materially from its base, feet carried terminally by said sides for contact with an object, a counterbalance weight detachably secured to the base of said frame and extending longitudinally thereof, and stops secured to the laterally bent side portions adjacent the bends and spaced therefrom to provide rung engaging seats.

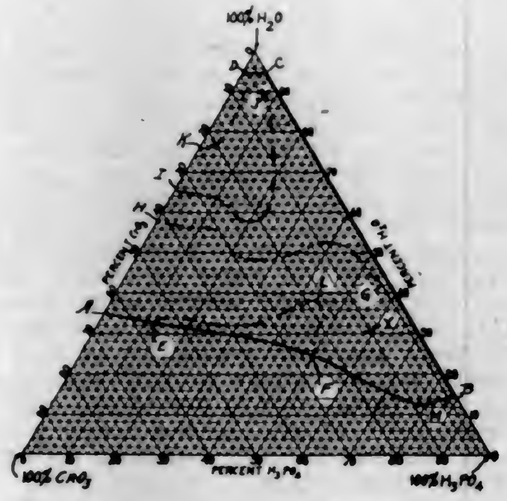
2,407,542
DISTRIBUTING APPARATUS
Waldemar C. Ewaldson, Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1945, Serial No. 593,506
12 Claims. (Cl. 242—158)

1. An apparatus for distributing material comprising a reciprocable distributor for material, a threaded shaft rotatable in reverse directions to support the distributor and move it alternately in reverse directions between given limits, separate driving means to singly rotate the shaft in reverse directions when operatively connected to the shaft, a unit, having a neutral position, movable into either operating position to connect



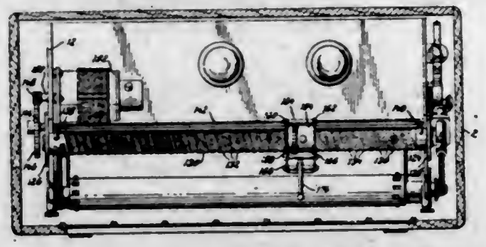
either driving means to the shaft, means under the control of the distributor to alternately move the unit into operating positions at the said given limits, means to disconnect the unit from either driving means, and auxiliary means movable into operative engagement with the threaded shaft to rotate the shaft in either direction for adjustment of the distributor.

2,407,543
METHOD OF ANODICALLY POLISHING BRASS
Charles L. Faust, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
Application November 6, 1939, Serial No. 302,952
11 Claims. (Cl. 204—140)



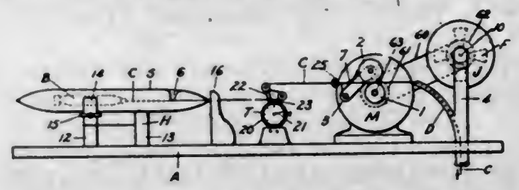
1. The method of anodically polishing brass, which comprises making brass the anode in a solution comprising from 5 to 65% CrO_3, the balance comprising essentially water, and at a temperature below 212° F. and a current density not in excess of three thousand amperes per square foot passing an electric current therethrough of sufficient density and for a sufficient period of time to effect the polishing of said brass.

2,407,544
VARIABLE RESISTANCE
Albert W. Fischer, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application August 16, 1943, Serial No. 498,777. Divided and this application August 30, 1944, Serial No. 551,821
4 Claims. (Cl. 201—56)



1. In resistance means, a cylindrical member formed of insulating material having a spiral groove in its external surface, a pair of spaced conductors having resistance to current flow wound on the surface of the member between the grooved portions, means encircling a portion of the cylindrical member having projecting teeth that extend into the groove, means for movably and rotatably mounting the last named means whereby as the latter is rotated it will move axially along the surface of the cylindrical member, and conductive means mounted on the rotatable means to bridge the gap between the two conductors at a point as the rotatable means moves along the member.

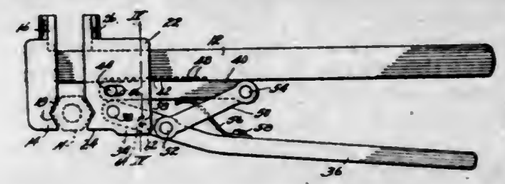
2,407,545
THREAD FRICTION TESTING DEVICE
Joseph Raymond Fish, Manchester, N. H.
Application January 13, 1944, Serial No. 518,075
1 Claim. (Cl. 73—160)



The combination in a tension determining device for textile threads; a base; a holder for holding a thread package; means for removing the thread from the thread package held in the holder, including a motor, a roll driven thereby and a friction roll driven by said driven roll; a pneumatic thread receiving device including a tubular goose neck behind said rolls, an air pressure pipe which connects with the goose neck, and means to produce a current of air through said air pressure pipe away from the inlet to the goose neck; and a tension meter positioned between the thread package holder and said rolls.

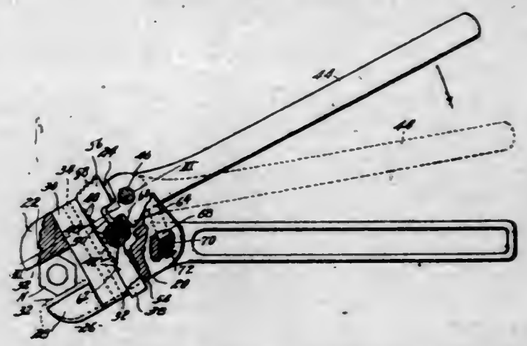
2,407,546
WRENCH
Roy E. Gearhart, Kansas City, Mo., assignor of three-tenths to Richard B. McCreary and three-tenths to Byram L. McCreary, both of Kansas City, Mo.
Application June 7, 1943, Serial No. 490,106
2 Claims. (Cl. 81—89)

1. A wrench comprising a shank having a fixed jaw; a yoke slidably mounted on said shank having a jaw complementing said fixed jaw and having side walls provided with slots disposed parallel with said shank; a rack bar formed in the face of said shank; a fulcrum bar mounted for hinging and sliding movement in the slots of said yoke; a relatively short series of teeth formed on one face of said fulcrum bar and spaced apart from the fulcrum point of said bar and adapted



to mesh with the teeth of said rack bar; a lever pivoted to said yoke; a link pivotally interconnecting said lever with the free end of said fulcrum bar whereby as said lever is moved toward said shank the fulcrum bar is urged toward said shank and said yoke is urged toward said fixed jaw.

2,407,547
WRENCH
Roy E. Gearhart, Kansas City, Mo., assignor of three-tenths to Byram L. McCreary and three-tenths to Richard B. McCreary, both of Kansas City, Mo.
Application September 16, 1943, Serial No. 502,693
1 Claim. (Cl. 81—89)

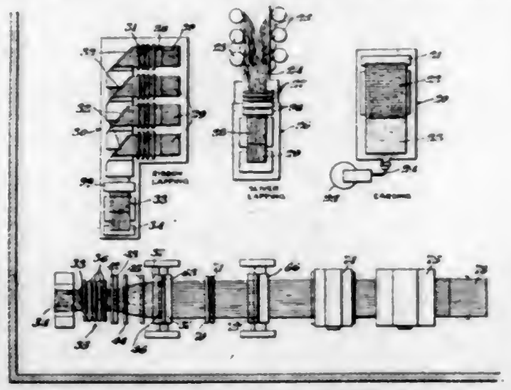


A wrench comprising a head member having a fixed jaw; an angled jaw member slidably carried by said head member, and having a jaw complementing said fixed jaw; teeth formed along the inner longitudinal edge of said jaw member; a bar having teeth adapted to operatively engage the teeth of said jaw member; a handle member pivotally carried by said head member and operatively connected with said bar and having a side lug adjacent said pivot whereby when said handle is oscillated relative to said head member said jaw member will be reciprocated in said head member; and resilient means positioned between said lug of said pivoted handle and said bar whereby said bar is constantly urged against said angled jaw member as said pivotal handle is urged outwardly to open said wrench jaws.

2,407,548
FIBROUS STRUCTURAL MATERIAL AND METHOD AND APPARATUS FOR MAKING SAME
Joseph Goldman, New Brunswick, N. J., assignor to Fibre Products Laboratories, Inc., a corporation of New Jersey
Application August 1, 1940, Serial No. 349,311
27 Claims. (Cl. 154—1)

2. A process of making a web of cobonded unspun fibers which comprises forming a plurality of elongated bodies of unspun fibers, subjecting

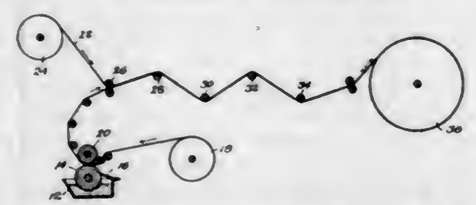
said bodies to drafting to draw the fibers therein in the direction of the drafting and orient and straighten said fibers in the direction of the drafting to form a plurality of webs with the fibers so oriented and straightened therein, lapping a plurality of said webs to form a composite web containing a plurality of web laminations, subjecting the composite web to a drafting operation to attenuate the composite web and draw the fibers to increased straightness in a direction corresponding to the direction of the drafting while said fibers are in a dry and essentially unbonded condition, and thereafter cobonding the fibers together while in striated at-



tenuated web form to form a coherent integrally bonded web material, the fibers not being permitted to relax between the drawing step and the bonding step.

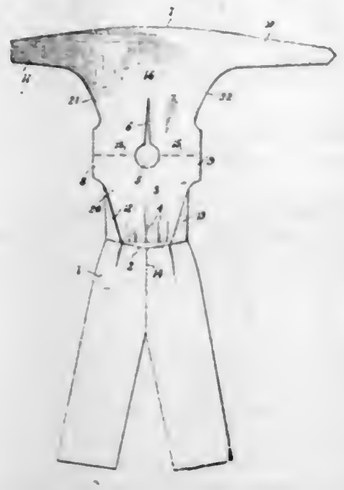
3. Apparatus for making a web of cobonded unspun fibers which comprises drafting means for straightening and arranging the fibers in a predominant direction longitudinally of an elongated web, means spaced from said drafting means for applying a bonding material to the fibrous web after the web is discharged from the drafting means, and means for maintaining said web under tension between said drafting means and said means for applying the bonding material to said web.

2,407,549
METHOD OF SURFACE COATING TISSUE PAPER WITH THERMORESPONSIVE RESINS
Irving Gurwick, New York, N. Y.
Application March 11, 1943, Serial No. 478,820
6 Claims. (Cl. 154—97)



1. The method of surface coating a tissue paper with a thermo-responsive resin, which consists in first coating a thin film of a solution of the resin on a non-adherent carrier, in treating the carrier applied film to effect partial evaporation of the solvent leaving the film partially dried and in a still tacky condition, in then engaging solely by interfacial contact the thus treated film on the carrier with the tissue paper, in then separating the carrier and the tissue paper, the resin film thereby transferring from the carrier and becoming adheringly attached as a thin superficial film to the contacted surface of the tissue paper, and in then heating the resin coated tissue paper and breaking down the continuity of the resin film to form an open mesh which increases the wet strength of the tissue paper without sealing it against filtration or infusing.

2,407,550
GARMENT
Maria Marguerite Handt, New York, N. Y.
Application May 24, 1945, Serial No. 595,554
1 Claim. (Cl. 2—83)

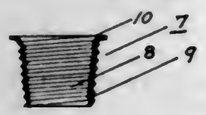


A garment of the character described comprising, a lower garment portion in the form of trousers for covering the lower part of the body downwardly from the waistline, an upper portion secured at the waistline to the back of the lower garment and having infolded parts secured to the front of the lower garment adjacent to the hips, said upper portion having a substantially centrally disposed neck opening and being of substantially T-shape and thus provided at one end with lateral tying extensions to be extended about the waist of the wearer below the upper end of the lower garment part and attached together.

2,407,551
METHOD OF MAKING LEAD ALKYLS
Sam D. Heron, Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application September 7, 1944, Serial No. 553,117
1 Claim. (Cl. 260—437)

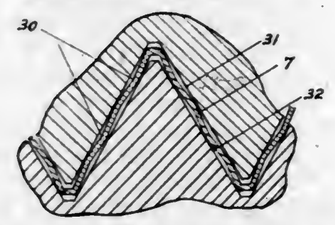
In the process of making a lead alkyl with a lead sodium alloy the step which includes mixing a small amount of graphite with the lead sodium alloy.

2,407,552
PIPE THREAD GASKET
Anthony F. Hoesel, Chicago, Ill.
Application July 1, 1944, Serial No. 543,085
2 Claims. (Cl. 288—20)



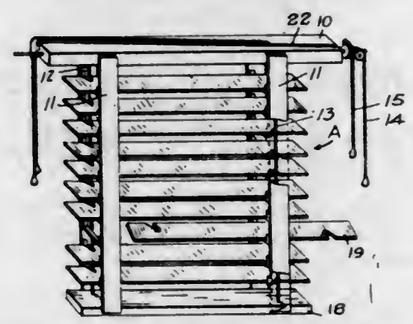
1. A thread gasket, for pipe threaded joints, comprising a tubular structure having internal and external taper threads and an integral outwardly flaring flange adjacent the large diameter of the tapered threads.

2,407,553
PIPE THREAD GASKET
Anthony F. Hoesel, Chicago, Ill., assignor to Flow Controls, Incorporated, Chicago, Ill., a corporation of Illinois
Application February 15, 1945, Serial No. 578,088
3 Claims. (Cl. 288—20)



1. A pipe thread gasket comprising, in combination, a thin walled tapered tubular form having complementary internal and external threads upon the diametral surfaces thereof, and the slopes of the threads having a wavy form in the circumferential plane of the slopes.

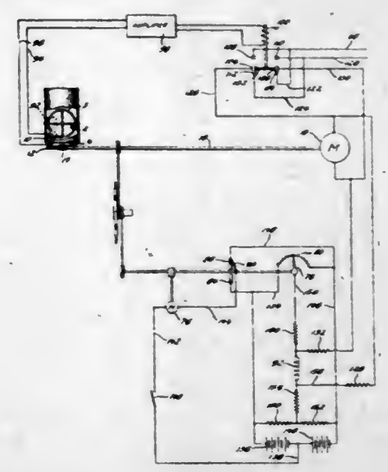
2,407,554
BLIND
Siegfreid G. Isserstedt, Toronto, Ontario, Canada
Application July 5, 1944, Serial No. 543,552
2 Claims. (Cl. 160—173)



2. A slat for a blind of the Venetian type comprising an elongated strip of material having a pair of notches extending inwardly from a peripheral edge of the strip at an incline to the longitudinal axis of the strip and located in spaced apart relation to one another, said notches forming guideways for the cables of the blind when said strip is assembled with other strips in a blind unit, said notches being located in opposite edges of the strip, said slat being capable of partial rotation about its longitudinal axis to disengage said notches from the cables of the blind unit and rotatable into engagement with the cables of the blind unit when respectively removing said slat from and introducing it into a blind unit.

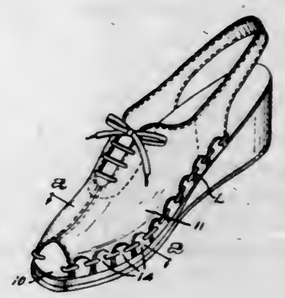
2,407,555
AUTOMATIC CONTROL
Charles F. Kettering, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 30, 1943, Serial No. 496,824
20 Claims. (Cl. 172—282)

14. In a control system for a mobile body, steering means for the body, a reversible driving motor connected to said steering means, a source of power, reversing switching means connected to the source and motor to control the same, compass means to actuate the switching means, a coil mounted adjacent the compass means to create a biasing field therefor and connected to the reversing switching means whereby it will be energized simultaneously with the motor, a separate source of power, a resistance connected across said source, a movable contact engaging said resistor and connected to said coil, means connecting said coil to the second source of power whereby when the circuit is balanced, no current flows through the coil from the separate source, but when unbalanced, current may flow in either direction, depending upon the direction of unbal-



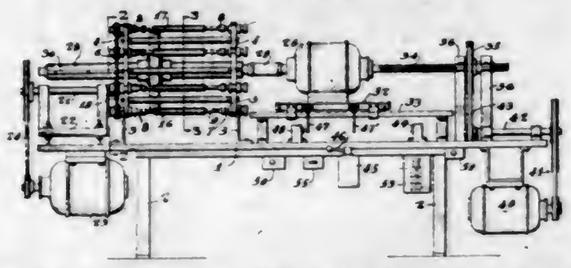
ance, means interconnecting the steering means and the movable contact to cause them to move together to apply an additional biasing force to the compass means, dependent upon the position of the steering means, a second driving motor, and interconnecting means between this second motor and the movable contact to provide for driving said movable contact to balanced position without moving said steering means.

2,407,556
SHOE
Samuel L. Kleven, Augusta, Maine
Application October 6, 1945, Serial No. 620,769
2 Claims. (Cl. 36—12)



1. A shoe, comprising an upper structure continuous along its lower margin throughout its vamp and instep regions and a sole element, said upper structure having a plurality of spaced downwardly extending prongs integral therewith, each prong being provided with a perforation matching a perforation in the upper structure, said sole element having a plurality of spaced marginal slots alined with said prongs and said prongs extending downwardly through said slots and outwardly and upwardly over the edge of said sole element, and a lacing passing through the perforations of the upper structure and prongs to secure them together and bridging the gaps between the prongs externally of the upper structure.

2,407,557
ARTICLE SURFACING MACHINE
Richard F. Kneisley, Toledo, Ohio, assignor to Kneisley Electric Company, Toledo, Ohio, a partnership
Application May 16, 1945, Serial No. 594,024
3 Claims. (Cl. 51—50)



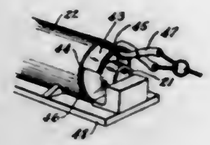
1. In a machine of the class described, a mandrel mounted for rotary movements and adapted to hold an axially elongated cylindrical work-piece, means including an electric motor for rotating said mandrel and work-piece, a carriage mounted for reciprocatory movements in a plane parallel to the axis of rotation of the mandrel, an electric motor mounted on said carriage for movement therewith, a grinding wheel driven by said last motor for peripheral engagement with a side of the work-piece carried by the mandrel and for movement with the motor to cause the wheel to traverse from one end to the other of the work-piece, feed means including an electric reversing motor for imparting predetermined movement to said wheel, first motor and carriage lengthwise of a work-piece, said electric motors being connected in a common electric circuit, a normally open main switch in said circuit, a control circuit including means magnetically operable to maintain said switch closed when said control circuit is closed, a control switch and two normally closed limit switches in said control circuit, means movable with said carriage for opening one or the other of said limit switches when the carriage is at one or the other end of its intended reciprocatory movement, a normally open shunt switch in said control circuit in association with each limit switch and operable to close the control circuit during an open period of the associated limit switch, and a manually operable reversing switch in circuit with said reversing motor.

2,407,558
RATCHET FOR SOCKET WRENCHES
Willard C. Kress, Buffalo, N. Y., assignor to J. H. Williams & Co., Buffalo, N. Y.
Application November 16, 1944, Serial No. 563,771
13 Claims. (Cl. 192—43.1)



1. A ratchet drive comprising a driving part and a driven part partially telescoping endwise and having cooperating bearing surfaces rotatably supporting one from the other, one of said parts having a peripherally extending row of teeth, the other of said parts mounting a pair of pawls for individual movement into and out of engagement with said teeth, one pawl, by its engagement with said teeth, preventing relative rotation of said parts in one direction and riding idly over the teeth in the other direction, and the other pawl, by its engagement with said teeth, preventing relative rotation of the parts in said other direction and riding idly over said teeth in said one direction, means resiliently urging both of said pawls individually into engagement with said teeth, said pawls having extensions at corresponding ends eccentric to their pivotal axes, and a disk disposed transversely across the ends of said pawls, mounted for movement back and forth about the axis of relative rotation of said parts and having an opening into which said pawl extensions continuously project, said disk when rotated in either direction having one end of said opening engaging the extension of one pawl and forcing it out of engagement with said teeth while the other end of the opening fully releases the extension on the other pawl, and disengaging said pawls alternately as said disk moves back and forth, said opening having a length in the direction of movement of said disk greater than the distance between said extensions when both pawls engage with said teeth, whereby when said disk is in an intermediate angular position in its adjustment, the ends of the opening will fully release both pawls for engagement with said teeth.

2,407,559
METHOD OF MAKING RESILIENT BUSHINGS
Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Original application July 1, 1939, Serial No. 282,474. Divided and this application April 29, 1942, Serial No. 440,955
2 Claims. (Cl. 18—59)

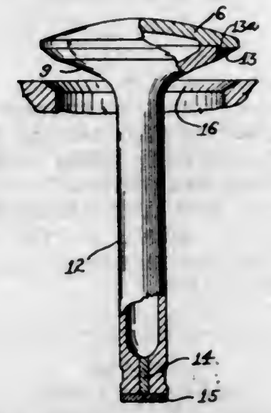


1. The method of making a resilient bushing subject to stresses in circumferential shear in which a body of rubber-like material is molded within an outer sleeve member, which method comprises coating the inner surface of said outer member with an adhesive material, positioning shield elements adjacent the coated surface, forcing a body of rubber-like material within said shield elements, then removing the shield elements from the bushing and applying molding pressure and vulcanizing heat to said body to bond said material to said outer member and vulcanize the material.

2,407,560
MANUFACTURE OF THE OPTICALLY ACTIVE FORMS OF PANTOTHENIC ACID
Richard Kuhn and Theodor Wieland, Heidelberg, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 26, 1941, Serial No. 408,355. In Germany August 10, 1940
3 Claims. (Cl. 260—284)

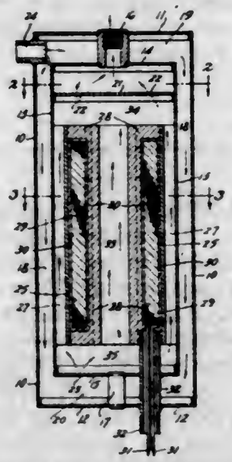
1. In a process for the optical resolution of a racemic pantothenic acid compound, the step which comprises separating by fractional crystallization from a solvent comprising essentially a lower aliphatic ketone the diastereomeric crystalline pantothenic acid salts of an alkaloid of the group consisting of quinine and cinchonidine.

2,407,561
HOLLOW VALVE FOR INTERNAL-COMBUSTION ENGINES
Rush A. Lincoln, Tarentum, Pa., assignor to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania
Application May 6, 1943, Serial No. 485,817
4 Claims. (Cl. 123—188)



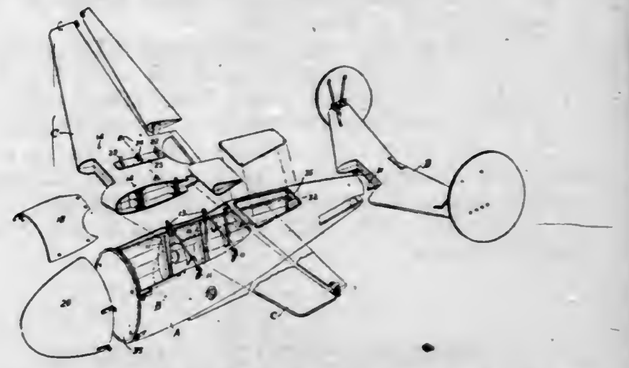
1. A hollow valve for internal combustion engines, having its internal and external surfaces conditioned and substantially free from surface imperfections and comprising a circular, disc-shaped crown recessed on one side thereof to form an annular, shank-engaging shoulder spaced from the edge thereof; a hollow shank consisting of a stem portion and a bell portion formed from a single piece of metal with the bell portion projecting into the recess of said crown, engaging the shoulder thereof and forming with said crown a V-shaped notch extending around the bell side of said crown; and an inlaid weld located within said notch, in welding engagement with said crown and the bell portion of said shank, forming a continuation of the peripheral surface of each and constituting the seat engaging portion of said valve.

2,407,562
INDUCTION HEATER
Einar G. Lofgren, Minneapolis, Minn.
Application August 17, 1942, Serial No. 455,053
2 Claims. (Cl. 219—47)



1. In an induction heater, a drum-like shell having an inlet passage in one end and an outlet passage in its other end, a paramagnetic heating core enclosed entirely within said drumlike shell, said paramagnetic heating core being in peripheral contact with the inner surface of said shell and being spaced from the ends thereof to provide fluid chambers therebetween and the ends of said shell, said paramagnetic heating core comprising telescopically engaged inner and outer heating elements formed to provide an annular coil space therebetween, an induction coil incorporated in said core between the inner and outer heating elements thereof, the said inner heating element of said paramagnetic core being provided with an axially extended fluid passage connecting the said opposite end chambers of the drum-like shell, the said outer heating element of said paramagnetic core being provided with circumferentially spaced passages connecting the said end chambers of the drum-like shell, an outer drum-like shell spaced from the sides and ends of the aforesaid drum-like shell, said outer shell having a fluid passage therethrough at one end portion to the space between said drum-like shells, and a fluid conduit leading through the same end portion of the outer shell to the adjacent end chamber of the other shell.

2,407,563
GLIDER
Laurence J. Marhoefer, Haddon Heights, N. J., assignor to Vidal Corporation, Camden, N. J., a corporation of Delaware
Application June 10, 1944, Serial No. 539,724
10 Claims. (Cl. 244—16)

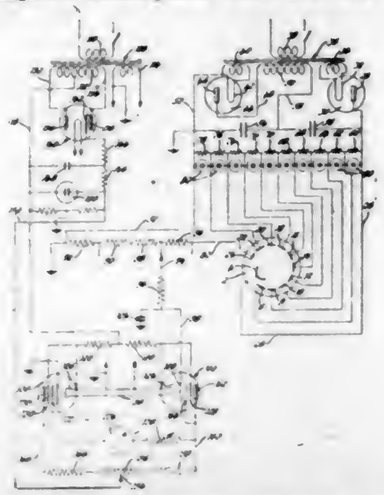


1. A bomb glider adapted to be carried by an airplane and to be released therefrom while in flight, comprising a fuselage having a top opening, a bomb cradle extending within and secured to the fuselage, means carried by the cradle adapted to hold the bomb within the fuselage, a wing structure the central part of which extends over the top opening of the fuselage, and means extending through the wing structure and secured to the cradle to thereby securely connect the wing structure with the fuselage, whereby the bomb, fuselage and wing structure are supportable as a unit from the airplane.

2,407,564
LIGHT METER
Edward J. Martin, Pleasant Ridge, and Carl E. Grinstead, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 6, 1944, Serial No. 525,318
1 Claim. (Cl. 250—41.5)

In means for measuring the luminescent radiation of small quantity from a phosphorescent surface, a source of alternating current, means for rectifying said current connected to said source,

tapped resistance means connected across the rectifier output, said taps dividing said resistor into a plurality of substantially equal parts, a photosensitive multiplier tube having a plurality



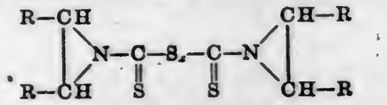
of electrodes sequentially engaged by electron streams, means for connecting each of the electrodes to a tap and voltage regulation means connected across each adjacent pair of taps to provide constant voltage to each electrode.

2,407,565
ZINC MERCAPTIDE-AMINOTHIAZOLINE REACTION PRODUCT
Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 17, 1942, Serial No. 439,386
11 Claims. (Cl. 260—302)

6. The reaction product of a 2-aminothiazoline which, except for the nitrogen of the amino group and the nitrogen and sulfur of the thiazoline ring consists of carbon and hydrogen and is free of aromatic rings, with the zinc salt of a 2-mercaptothiazole.

2,407,566
BISDIMETHYLENE THIURAM POLYSULPHIDES
Roger A. Mathes, Akron, and Paul C. Jones, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application July 18, 1942, Serial No. 451,496
5 Claims. (Cl. 260—239)

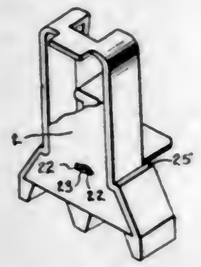
1. Compounds having the structural formula



where R is a member of the class consisting of hydrogen and hydrocarbon groups, and x is an integer greater than one.

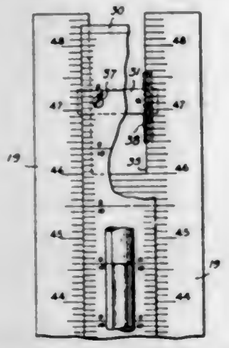
2,407,567
LAMP SOCKET
Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application March 9, 1943, Serial No. 478,576
1 Claim. (Cl. 173—328)

A lamp socket assembly for receiving lamps having contact pins in their bases comprising a body portion of insulating material and having a chamber opening rearwardly and bounded by the walls of the body, a lamp base pin receiving opening in the upper portion of the front wall of said body and communicating with said recess, a pair of spaced metallic resilient contact fingers anchored in the base of said socket and



extending into position to be engaged by the lamp base pins, a back plate for closing said chamber and a metallic mounting plate having an elongated portion extending through the socket and back plate, and a forwardly extending mounting shelf and retaining means on the outer end of said elongated portion engaging and securing said back plate to the socket.

2,407,568
MANOMETER
Charles Meriam, Cleveland, Ohio, assignor to The Meriam Instrument Company, Cleveland, Ohio, a corporation of Ohio
Application April 21, 1944, Serial No. 532,058
11 Claims. (Cl. 73—401)

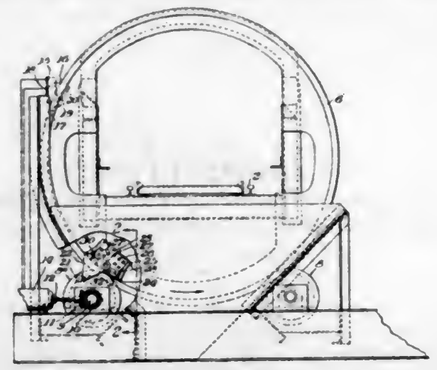


4. A manometer comprising a support, a transparent tube mounted on said support and adapted to receive a liquid indicating column, a graduated scale positioned alongside said tube, a slidable plate interposed between said main scale and tube and having a series of vernier scales at the edge thereof alongside the main scale, means for adjusting said main scale, and means for adjusting said vernier plate independently of said main scale.

2,407,569
CAR-DUMPING APPARATUS
Glenn W. Merritt, Bowerston, Ohio, assignor to The Mining Safety Device Company, Bowerston, Ohio, a corporation of Ohio
Application May 29, 1944, Serial No. 537,943
4 Claims. (Cl. 214—52)

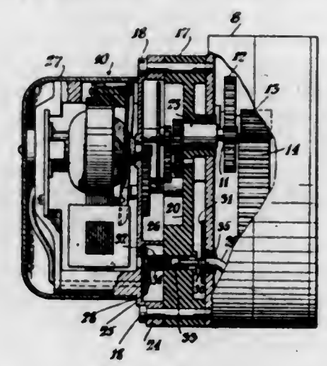
4. A car dumper of the character described comprising, a rotatably mounted cage having ring rails at the ends thereof, an approach track leading to said cage, a receiving track leading from said cage, wheels supporting said cage by means of said ring rails, means for driving one of said wheels to rotate said cage and a retarder

for checking the momentum of the cage in the final stages of angular movement comprising a vertically positioned hydraulic cylinder having a piston therein, a piston rod, a counterbalanced



lever connected to said piston rod, a member attached to and rotatable with said cage to engage said lever and depress said piston to be released therefrom upon commencement of the next revolution of the cage.

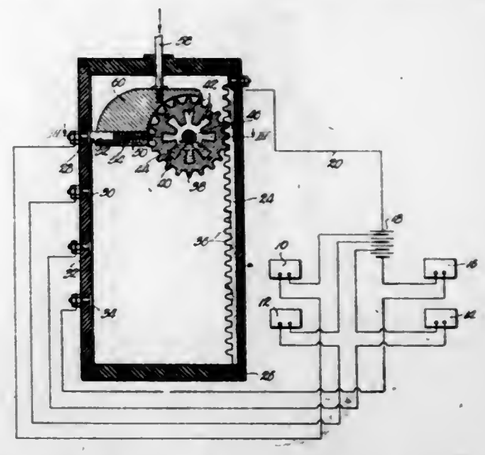
2,407,570
MOTOR MOUNTING FOR RETRACTABLE LAMPS
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Original application June 11, 1943, Serial No. 490,408. Divided and this application April 21, 1944, Serial No. 532,114
4 Claims. (Cl. 172—36)



1. A structure of the class described including in combination a motor casing having a side wall and a flange peripherally extending therefrom, a further casing adapted to contain a mechanism to be driven by the motor within said first named casing said further casing having a flat side wall portion, and a unitary removable sub-base interposed between and in fluid tight engagement with the peripheral wall and side wall of said respective casings, said sub-base being adapted to contain a moisture-repellent substance to prevent entrance of water into said motor casing.

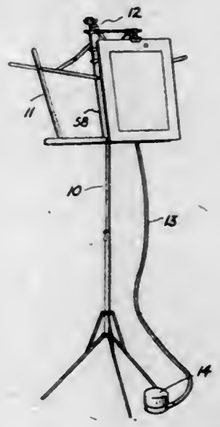
2,407,571
INTERMITTENT SWITCH
Milo F. Miller, Kansas City, Mo.
Application June 16, 1944, Serial No. 540,586
6 Claims. (Cl. 200—33)

1. A switch of the kind described comprising an elongated stationary contact member; a series of relatively short, spaced apart contact plates; a brush disposed to move across the faces of the several plates of the series one at a time; a rotatable hollow element in constant contact with the elongated contact member and in electrical connection with the said brush; and a filling of current conducting liquid in the hollow element, said hollow element having its interior formed to raise and lower the level of the conducting liquid as the element is rotated over the



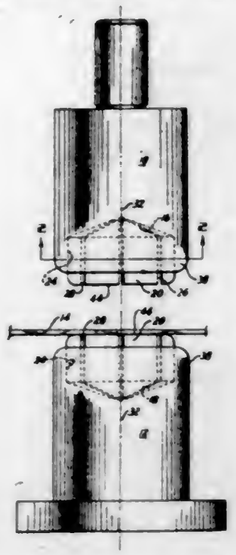
relatively long contact member, the switch being closed when the liquid level is raised to a predetermined point and being opened when the liquid falls below said predetermined point, said hollow element being formed and disposed with respect to the brush to close and open the switch while the brush is on each of the relatively short contact plates.

2,407,572
MUSIC LEAF TURNER
Curtis W. Moss, Detroit, Mich.
Application June 8, 1945, Serial No. 598,337
4 Claims. (Cl. 84—503)



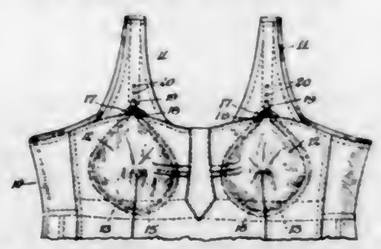
1. A leaf turner of the kind described, comprising, a plurality of rotary, cam-shaped plates, aligned axially, each having a radial contact face but each succeeding face, from top down, being closer to the common axis of rotation than the preceding face, each plate being connected to a radially disposed rod supporting at its end a clamp for attachment to a leaf of a music book, a rotary member axially aligned above said plates but remaining in a fixed relation longitudinally to said axis of rotation, a downwardly extending claw pivotally mounted in said member, said claw being adapted to engage the contact face of each of the plates, successively from top down, and gear means responsive to a pull of a cable to apply said claw to the respective contact face to swing the respective plate around its axis.

2,407,573
METAL FORMING MACHINE
Alex E. Nelson, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application February 8, 1943, Serial No. 475,193
13 Claims. (Cl. 78—61)



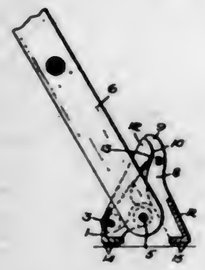
1. In a device for producing a change of form in a piece of sheet metal, the combination of: two sets of gripping jaws, the sets being movable toward and away from each other, and each said set comprising at least three sector shaped jaws with their apexes at a common center and their gripping faces faired to form a common substantially circular surface juxtaposed to a similar cooperating common surface formed by the gripping faces of the other set of jaws; means mounting the jaws of each set for limited radial movement from an initial position with respect to said center; a first means for axially relatively moving the jaws of each set toward the other set to press both sets against a work sheet; and a second means acting coordinately with said first means for radially moving said jaws in the same sense from said initial position with respect to said center.

2,407,574
ADJUSTABLE BREAST POCKET
Isidore Panes, New York, N. Y.
Application September 19, 1944, Serial No. 554,731
2 Claims. (Cl. 2—42)



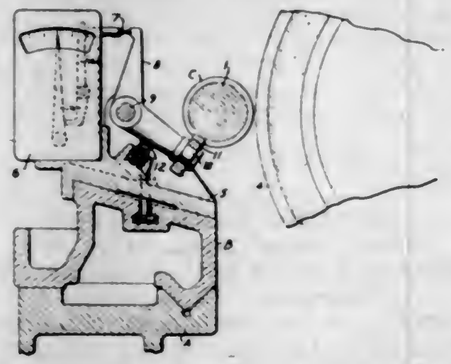
1. In a brassière having shoulder straps and breast pockets, and means to adjust the size of each of said pockets and to effect an uplift on the breast therein, said means including a tunnel on the pocket extending substantially entirely around the same, said tunnel having top openings therein, a strip of fabric extending through said tunnel whereby said strip is formed into a closed loop, a portion of said strip projecting upwardly through said openings for securement at different points of adjustment in connection with the adjacent shoulder strap, said strip being secured to the tunnel only at one point at or near said opening, the adjacent shoulder strap and projecting portion of the strip having cooperative means to secure the strip to said strap at the desired position of adjustment with respect to the pocket.

2,407,575
LADDER SUPPORT
Joseph D. Ramsey, Watertown, Mass.
Application July 28, 1944, Serial No. 546,980
4 Claims. (Cl. 228—61)



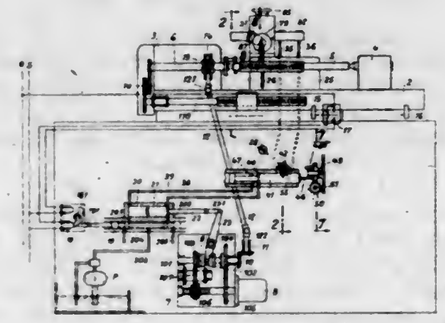
1. As an article of manufacture a ladder support for maintaining a ladder in an inclined potion, said support comprising a hollow suspension block adapted to constitute forward legs of the said support, a gripper member pivotally attached at either side of the block, said gripper member adapted to provide rearwardly extending legs of the ladder support, spaced-apart lug portions projecting rearwardly from the suspension block, pin means for holding an end of the said ladder in a suspended position between the lug portions, said block further including a pair of upwardly extending, spaced apart uprights, the extremities of the uprights being formed with curved edges which occur at points directly above the point of suspension of the ladder end, said gripper member having upwardly extending arms spaced apart and formed with curved bearing surfaces which lie in contact with the upper ends of the curved edges of the block uprights, said block uprights and gripper arms adapted to provide a leverage for increasing vertical pressure of the gripper member against a supporting surface.

2,407,576
MEASURING AND TESTING DEVICE
Alfred Rickenmann, Zurich, Switzerland
Application March 1, 1943, Serial No. 477,571
In Germany January 27, 1942
4 Claims. (Cl. 33—199)



4. In a grinding gauge for screw threads, the combination of means rotatably supporting the work to be gauged, a lever pivotally mounted about an axis spaced from the axis of rotation of the work, a toothed disc rotatably supported at one end of said lever to rotate about an axis transversely of the axis of rotation of the work and radially spaced therefrom, means engaging said lever for yieldingly urging it in a direction in which said toothed disc is caused to mesh with the thread on the work, and means operable by said lever for indicating the extent of movement of the axis of rotation of said toothed disc toward the axis of rotation of the work, the teeth on said toothed disc having a pitch corresponding to the lead of the screw thread on the work.

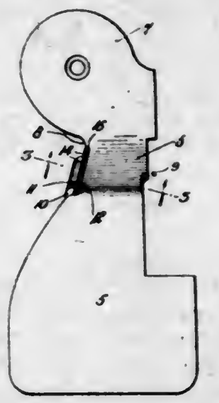
2,407,577
DEVICE FOR DRESSING GRINDING DISKS
Alfred Rickenmann, Zurich, Switzerland
Application December 17, 1943, Serial No. 514,589
In Switzerland December 28, 1942
10 Claims. (Cl. 125—11)



1. In a screw thread grinding machine, the combination of a reciprocable work carriage and a tool carriage mounted for cross-feed movement in a direction transverse to the path of reciprocation of said work carriage, manually operable means to adjust said tool carriage, power actuated means for reciprocating said work carriage, a grinding disk rotatably mounted in said tool carriage about an axis substantially parallel to said path of reciprocation of said work carriage, a slide mounted on said tool carriage for movement thereon at a right angle with respect to the movement of said tool carriage, a housing in which is arranged a grinding disk dressing tool, said housing being mounted for oscillatory movement on said slide, a second manually operable means for adjusting said slide to bring said dressing tool into operative position with respect to said grinding disk, means in said slide for oscillating said housing and said dressing tool, means operated by said oscillating means for rotating said dressing tool in said housing, whereby said dressing tool is moved once over the grinding face of the grinding disk during each oscillating movement of said housing, and means actuated by said power actuated means for operating said oscillating means in timed relation to the movement of said work carriage, namely when the latter changes its direction of movement.

2,407,578
THREAD CUTTER
Max Schreiber, Philadelphia, Pa., and Alphonso Stebbins, Delanco, N. J., assignors to Century Mills, Riverside, N. J., a partnership
Application July 3, 1945, Serial No. 602,990
4 Claims. (Cl. 112—252)

1. A thread cutter comprising a folded guard having notches in the folded edge of the same, a blade enclosed in said folded guard with its edge exposed in said notches, a sewing machine bedplate having the edge of the same cut in



toward the needle center and a clamp for said guard located at said cut-in portion of said bedplate.

2,407,579
ELECTRODEPOSITION OF TIN
Ernest W. Schweikher, Shaker Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 7, 1943, Serial No. 493,757
12 Claims. (Cl. 204—54)

1. A tin electrodepositing composition comprising an alkali fluoride and stannous chloride, the composition upon being dissolved in water to give a stannous chloride concentration of between about 37.5 and 150 grams per liter satisfying the equation:

$$pH=\frac{k(\text{mols MF})}{\text{mols } SnCl_2}$$

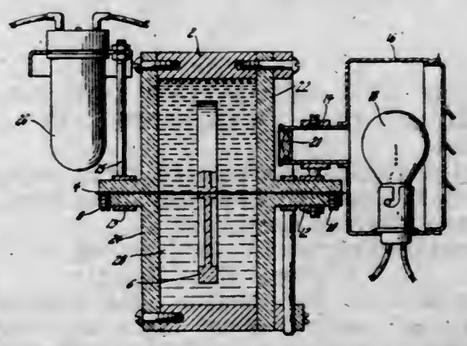
wherein the following conditions are simultaneously true; the pH is equal to about 1 to 5, k has a value from 0.1 to 1.0, MF is alkali fluoride, and the mol ratio

$$\frac{MF}{SnCl_2}$$

is about from 2 to 12, the static solution potential of tin in the bath being equal in volts to from

$$-0.055\ pH-0.265 \text{ to } -0.055\ pH-0.370$$

2,407,580
LONG PERIOD PENDULUM
Gifford G. Scott, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 15, 1945, Serial No. 578,025
3 Claims. (Cl. 250—41.5)



3. In stabilizing means, a casing having transparent walls, an unbalanced wheel of transparent material mounted in a vertical plane forming a

pendulum means, an opaque coating over substantially one-half of said wheel, a thin ribbon suspension for said wheel in said casing, damping means in said casing immersing said wheel, a source of light and a photo sensitive cell mounted on opposite sides of said casing so that the light from the source to the cell passes through the casing and a section of the wheel and the wheel area controls the flow.

2,407,581

ASBESTOS SHEET MATERIAL

Marion F. Smith and Harold W. Greider, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio

No Drawing. Application February 9, 1945, Serial No. 577,162

9 Claims. (Cl. 117—118)

1. A coherent fibrous body wherein the fibers consist in major proportion by weight of asbestiform mineral fibers, said asbestiform mineral fibers being bonded by the interaction in situ between said asbestiform mineral fibers and a water-soluble oxalate.

2. A coherent fibrous body according to claim 1 wherein said asbestiform mineral fibers are bonded by said oxalate in combination with an amylaceous material.

2,407,582

RESILIENT INSULATING BAT

Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application August 10, 1940, Serial No. 352,122

1 Claim. (Cl. 117—126)

A resilient insulating bat comprising felted synthetic mineral fibers having applied thereto a coating comprising an isoprene resin, said isoprene resin being a product of the catalytic polymerization in the presence of boron trifluoride and under temperature conditions at least as low as —20° C. of an isoprene light oil fraction obtained in the pyrolysis of petroleum oil and containing other unsaturated hydrocarbon material, said fraction boiling between 30° and 40° C. and having an isoprene content constituting at least 90% by weight of the total diolefine content thereof and at least 40% by weight of the total unsaturation thereof, said isoprene resin being compatible with drying oil and having a definite and reproducible softening point at least as high as 60° C.

2,407,583

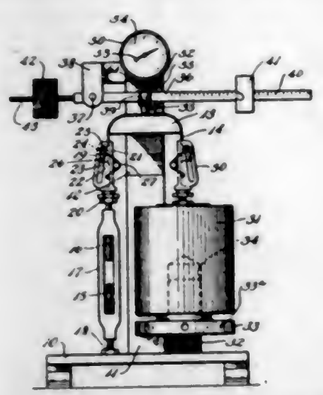
METHOD AND APPARATUS FOR TESTING COMPRESSIBLE HARDNESS OF MATERIALS

Edward A. Sprigg, Wadsworth, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application February 3, 1943, Serial No. 474,557

7 Claims. (Cl. 73—81)

1. Apparatus for testing the compressible hardness of resilient sheet material under tension, said apparatus comprising a support for a sample of sheet material, static means for tensioning the sample across the support, means for locally applying a compression load against the material backed by said support, and means at the load applying position for measuring the depression of the tensioned material under said load.



2,407,584

ALKYLATION PROCESS

William A. Stover, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application February 24, 1944, Serial No. 523,727

15 Claims. (Cl. 260—683.4)

1. In the process of alkylating a paraffinic hydrocarbon with an olefinic hydrocarbon, which includes reacting a paraffinic hydrocarbon with an olefinic hydrocarbon, in a reaction zone under alkylating conditions, in the presence of catalytic material, and controlling the concentration of the olefinic hydrocarbon so that alkylation is the principal reaction; the improvement which comprises reacting said paraffinic hydrocarbon with said olefinic hydrocarbon, in a reaction zone under alkylating conditions, in the presence of carbon dioxide.

2,407,585

ALKYLATION PROCESS

William A. Stover, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application September 11, 1945, Serial No. 615,695

12 Claims. (Cl. 260—683.4)

1. The process of alkylating alkylatable paraffinic hydrocarbons with olefinic hydrocarbons, which comprises contacting an alkylatable paraffinic hydrocarbon with an olefinic hydrocarbon, in gaseous phase and in a reaction zone under alkylating conditions, in the presence of a mixture of carbon dioxide and water, and maintaining said alkylatable paraffinic hydrocarbon in excess over said olefinic hydrocarbon in said reaction zone, so that alkylation is the principal reaction.

2,407,586

STRESS-FREE STUD

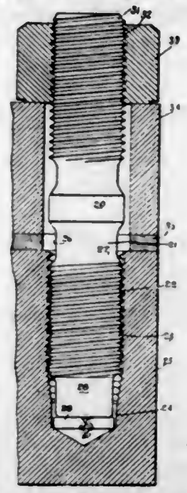
Otto M. Summers, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware

Application February 16, 1944, Serial No. 522,536

12 Claims. (Cl. 151—32)

1. A stud fastening mechanism that includes a member having a threaded hole therein, a stud having a thread portion thereon received in the threads of the threaded hole, the clearance between the threads on the threaded portion of

the stud and the threads in the hole being greater than the maximum clearance permitted between such threads according to the tolerances allowed in standard thread practice whereby the threads on the stud are a relatively loose fit in the threads in the hole as gauged by standard thread practice, and resilient means within the threaded hole engaged by the stud whereby to apply an axial force upon the stud to cause frictional engagement between one side of the threads on the stud and one side of the threads in the hole.



2,407,587

THREAD GUIDE

Francis P. Tamburro, Ozone Park, N. Y., assignor to Wilcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York

Application November 6, 1943, Serial No. 509,208

5 Claims. (Cl. 112—218)



1. A thread guide comprising a plate having a plurality of inclined fingers projecting from one edge thereof, said fingers being bent out of the plane of the plate and skewed toward the plate and forming thread eyes having slanting thread receiving openings between them.

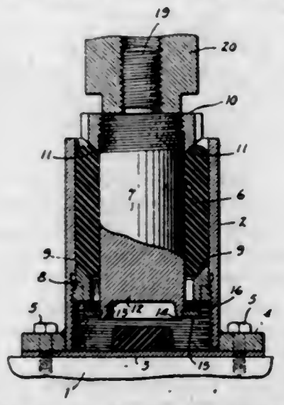
2,407,588

SHOCK ABSORBER

Leon F. Thiry, Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 4, 1944, Serial No. 566,419

5 Claims. (Cl. 248—358)



5. A telescopic cushioning support comprising a base member, an upright tube mounted on the base member and having an open upper end, a lower confining ring secured to the interior of said tube intermediate the upper and lower ends thereof, a post mounted centrally of said tube and movable vertically within said lower ring, an upper confining ring secured upon said post and movable vertically with the post within the top portion of the tube, a tubular body of rubber held under radial compression between the exterior of the post and the interior of the tube and interposed between said rings, a rebound snubber comprising a collar attached to the lower end of said post and underlying said lower ring, and an overload snubber comprising a rubber buffer block attached to the base beneath the lower end of said post.

2,407,589

AQUEOUS ALKALINE REACTING CLEANING BATH HAVING REDUCED FOAMING CHARACTERISTICS

Henry Earl Tremain and Leslie R. Bacon, Wyandotte, Mich., assignors to Wyandotte Chemical Corporation, Wyandotte, Mich., a corporation of Michigan

No Drawing. Application February 3, 1944, Serial No. 520,960

5 Claims. (Cl. 252—156)

1. An aqueous alkaline solution having reduced foaming characteristics containing in addition to water, a soluble alkaline agent, and a constituent tending to produce foam, admixed with a minimum of .01% by weight of at least one foam inhibitor selected from the group consisting of di - tertiary - amylphenoxyethanol, p-tertiary-amylphenoxyethanol and diamyl phenol.

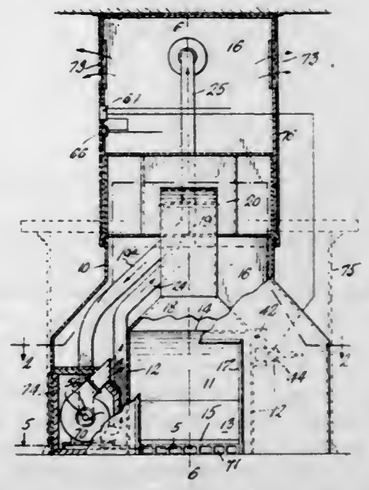
2,407,590

HEATING APPARATUS

Samuel S. Vineberg, Buffalo, N. Y.

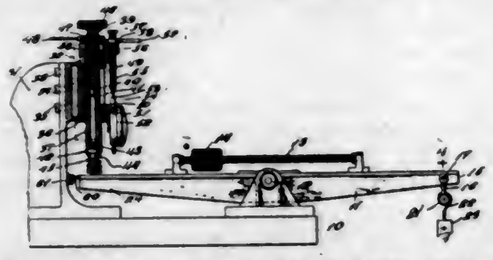
Application January 23, 1943, Serial No. 473,350

6 Claims. (Cl. 126—140)



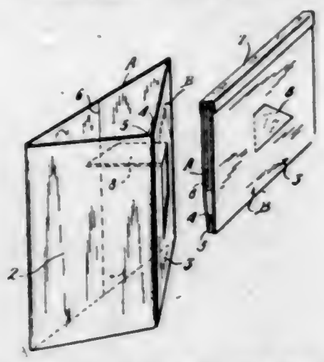
1. A movable closure gate for an open-front heater and control mechanism for said gate comprising stationary upright toothed racks at opposite edges of said gate, a shaft rotatably mounted on said gate and having pinions fixed thereto and meshing with said racks, an upright toothed rack which is shiftable for engaging one or another of its teeth with a part on and movable with said gate for holding said gate in different more or less open positions, and actuating means for moving said shiftable rack into and out of engagement with said part on the gate for holding and releasing the gate.

2,407,591
SPRING TESTER
Herbert H. Walley, Jr., and Alexander W. Keema, Providence, R. I., assignors to Merit Engineering, Inc., a corporation of Rhode Island
Application April 19, 1944, Serial No. 531,700
1 Claim. (Cl. 73—161)



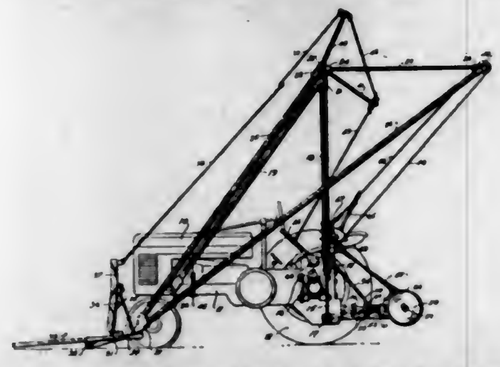
In a spring testing device, a base, a support standing upwardly therefrom, a datum line carried by said support, a beam fulcrumed on said base, a pointer carried at one end of the beam to swing over said datum line, rockable means at said end of the beam to directly engage the work, means at the other end of the beam to weight the beam, a head carried by said support, a member adjustable in said head with relation to said datum line to engage the other side of the work and means to indicate the adjustment of said member comprising a dial indicator carried by said member and an adjustable stop carried by said head and against which an actuator portion of the dial indicator engages.

2,407,592
DISPLAY DEVICE
Ernest Leslie Wathen, Rocky River, Ohio, assignor to The Strobridge Lithographing Company, Cincinnati, Ohio, a corporation of Ohio
Application February 28, 1944, Serial No. 524,227
1 Claim. (Cl. 40—124.1)



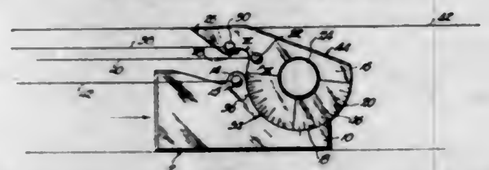
A device of the class described constructed of a single strip of stiff sheet material of uniform width from end to end, the ends of said strip being connected together, a portion of said strip being set off by parallel bending lines that define the lateral edges of a display panel, the entire area of the panel being available for display purposes said panel having a bending line intermediate and parallel to the former bending lines, the remaining portion of the strip being of greater length than the panel and constituting a combined wrapper and easel member treated substantially midway between its junction with the lateral edges of the panel to provide a bending line substantially parallel to said edges whereby the panel and member may be folded book fashion with the panel contained within and completely encased by the member, and bracing means consisting of one or more tongues struck from said member and adapted to be turned from the plane thereof and frictionally engaged with the rear side of the panel to hold the device expanded.

2,407,593
HAY STACKING ATTACHMENT FOR TRACTORS
Edwin Watson, near Littleton, Colo.
Application February 20, 1945, Serial No. 578,912
2 Claims. (Cl. 214—140)



1. A hay stacking attachment for tractors comprising: attachment members arranged for attachment to the rear axle of said tractor; upright posts detachably secured to said attachment members at their lower extremities; diagonal braces supporting said posts in a vertical position; means for detachably attaching said braces to said tractor; a horizontal shaft supported between the upper extremities of said posts; two triangular frame members tiltably mounted at their apexes on said shaft; a rake tiltably mounted on the forward extremities of said triangular frame members; a flexible member extending from and supporting said rake in a horizontal position; and means for connecting said flexible member with the implement lifting lever of said tractor so that operation of said latter lever will allow said rake to tilt; a drum-supporting frame detachably attached to said attachment members and extending rearwardly therefrom; means for supporting said frame from said posts; a horizontal drum shaft carried by said frame; drums on the extremities of said shaft; flexible means extending between said drums and the rearward extremities of said triangular frames so that rotation of the drums will pull the rearward extremities of the frames downwardly to lift said rake member; brake means for resisting rotation of said drum shaft when desired; drive means for driving said drum shaft; and means for detachably attaching said drive means to the power take-off of said tractor.

2,407,594
LETTERING INSTRUMENT
Fred Howard Whiteley, Kansas City, Kans.
Application June 6, 1945, Serial No. 597,800
5 Claims. (Cl. 33—41)



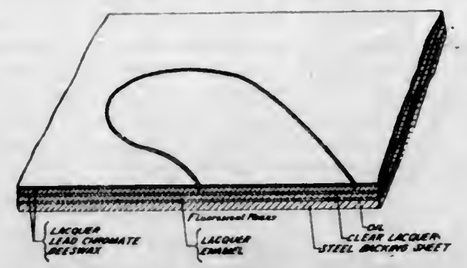
1. A lettering instrument of the type described, comprising a body having a guiding edge; an arm pivotally mounted on the body; and a plurality of marking elements, certain of the elements being on the body and the remaining elements being on the arm, the marking elements and the pivotal connections between the body and arm being in substantial alignment on a line parallel with and spaced from the said guiding edge when the arm is at one end of its path of movement about the pivotal connection.

2,407,595
MANUFACTURE OF DETONATING EXPLOSIVES AND PRODUCTS OBTAINED THEREBY
Vernon Harcourt Williams, Androssan, and Harold Reginald Wright, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 27, 1942, Serial No. 440,754. In Great Britain March 5, 1941
19 Claims. (Cl. 52—13)

1. A process for the manufacture of an explosive which comprises forming in solution a mixture of dissolved solid crystalline polynitric ester and a nitro cellulose, co-precipitating the mixture by the progressive addition of liquid miscible with the solvent, separating the precipitate containing the polynitric ester in fine crystalline condition, and mixing the same with a liquid aromatic nitrobody capable of gelatinising the nitro cellulose with the polynitric ester crystals intimately distributed therethrough said polynitric ester having a melting point of at least approximately 50° C.

14. An explosive composition comprising an explosive crystalline polynitric ester in the form of fine crystals distributed throughout a gel made up of liquid aromatic nitrobody and nitrocellulose said polynitric ester having a melting point of at least approximately 50° C.

2,407,596
DRAWING REPRODUCTION
Ralph J. Wirshing and Frank E. Smith, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 24, 1943, Serial No. 515,623
10 Claims. (Cl. 250—80)

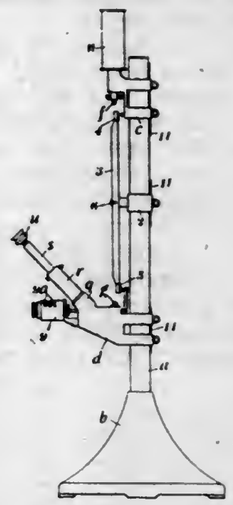


2. In a master drawing having a layer of excitable luminescent material, a coating therefor in which the drawing may be scribed comprising, a lacquer base and means therein to absorb radiation for exciting the luminescent material whereby proper contrast may be obtained between the scribed and unscribed areas.

2,407,597
EXPLOSIVE COMPOSITIONS COMPRISING LOW FREEZING LIQUID MIXTURES OF AROMATIC NITRO-COMPOUNDS
Harold R. Wright, West Kilbride, and James Taylor, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 2, 1944, Serial No. 524,792. In Great Britain December 12, 1942
5 Claims. (Cl. 52—13)

1. A low-freezing aromatic nitro-compound mixture whereof about 70 to 85 per cent consists of a mixture of isomeric dinitrotoluenes wholly liquid at temperatures approximating the melting point of ice, and the remainder consists of at least 5 per cent each of trinitrotoluene and tetryl.

2,407,598
MEANS FOR INSPECTING GUN BARRELS
Arthur Cyril Webb Aldis, Sparkhill, Birmingham, England, assignor to Aldis Brothers Limited, Sparkhill, Birmingham, England
Application June 19, 1943, Serial No. 491,525
In Great Britain April 14, 1942
8 Claims. (Cl. 88—14)



1. Means for inspecting the bore of a rifle or other gun barrel, comprising the combination of a pair of hollow centres arranged coaxially with each other and at a sufficient distance apart to enable the barrel to be mounted between them, one of the centres having a closed end which serves as a mask and has a relatively small axial orifice, optical viewing means associated with the other centre and arranged so that images formed by reflection of the orifice in the bore of the barrel can be inspected, a transversely movable slide arranged in association with the latter centre and the viewing means and operable to ascertain the position of a defect in the said bore by partially obstructing the light path between the associated centre and viewing means, and supporting means whereby the two centres, the optical viewing means, and the slide are supported in the required relationship.

2,407,599
RESINOUS COMPOSITIONS AND PROCESS OF MAKING SAME
Robert W. Auten, Jenkintown, and James L. Rainey, Abington, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 23, 1946, Serial No. 656,784
20 Claims. (Cl. 260—69)

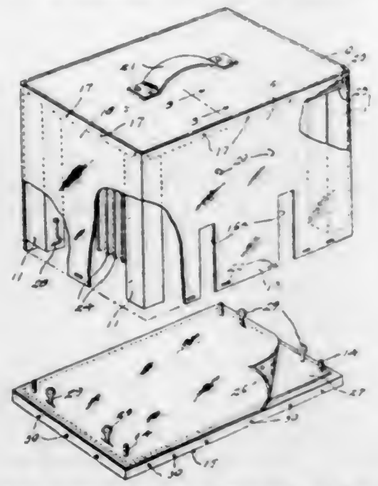
1. A process for preparing thermosetting resinous products containing sulfonate groups, which comprises reacting at a pH of 4 to 10 by condensing as the essential reactants (*a*) an aldehyde from the group consisting of formaldehyde, acetaldehyde, butyraldehyde, furfuraldehyde, and benzaldehyde, (*b*) a salt from the group consisting of water-soluble metal, tertiary amine, and quaternary ammonium salts of sulfurous acid, and (c) a member of the class consisting of carbamides, polyamino diazines, and polyamino triazines, two amino groups of which have two reactive hydrogen atoms each, at a temperature at which condensation occurs with the formation of a resinous product containing sulfonate groups, the aldehyde being present in an amount between about 0.5 and about 2.0 mols

per reactive amino group in said member of the above class and said salt being present in an amount to yield from about 0.05 to about 0.4 mol of bisulfite per mol of aldehyde.

2,407,600
PHOTOGRAPHIC DEVELOPER
Frederic R. Bean, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 3, 1945, Serial No. 580,925
2 Claims. (Cl. 95—88)

1. A photographic developer, in dry form, containing a developing agent and, as an alkali, a mixture, in equimolecular amounts, of sodium anhydroformaldehyde sulfanilate and sodium sulfite.

2,407,601
BROODER
Harvey L. Clark, Salem, Oreg.
Application January 6, 1944, Serial No. 517,243
1 Claim. (Cl. 119—33)

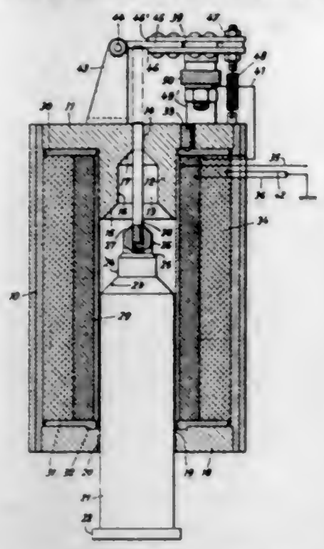


A brooder comprising a housing formed of top and bottom walls, corner posts for supporting said top wall above said bottom wall, upwardly extending pins carried by said bottom wall, said posts having sockets for receiving said pins, eyes carried by said bottom wall, hooks carried by said posts for releasably holding said posts on said pins, felt side and end walls about said posts, each of said side walls having at least a pair of upwardly extending slots of sufficient size to provide chick entrances and the portions of the walls between the slots on each side providing a swinging flap, means releasably securing said side and end walls to said bottom wall, means carried by said side walls for holding said flaps in raised position, a copper plate secured to the lower side of said top wall, a second copper plate secured to the upper side of said bottom wall, a felt covering for said upper plate, depending felt strips carried by said upper felt covering, and a lower felt covering for said lower plate.

2,407,602
PROCESS FOR MILLING FABRICS CONTAINING WOOL AND CELLULOSE ACETATE
Alan Shirley Cluley and Tom Gladstone Allen, Nuneaton, England, assignors to Courtaulds Limited, London, England, a British company
No Drawing. Application January 16, 1945, Serial No. 573,140. In Great Britain February 25, 1944
7 Claims. (Cl. 26—19)

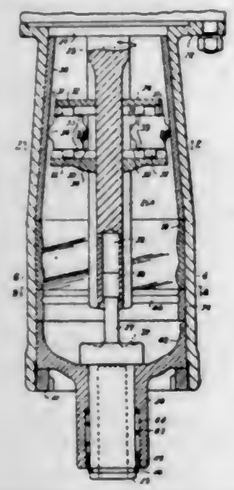
1. A process of obtaining on a woven or knitted fabric containing a blend of wool fibres and cellulose acetate staple fibres, a close compact fibrous surface which obscures the original structure, which comprises milling said fabric in the presence of a plasticiser for the cellulose acetate staple fibres.

2,407,603
ELECTROMAGNET
Ernest Alphonse Derungs, Le Locle, Switzerland
Application December 23, 1943, Serial No. 515,404
In France April 23, 1940
13 Claims. (Cl. 175—335)



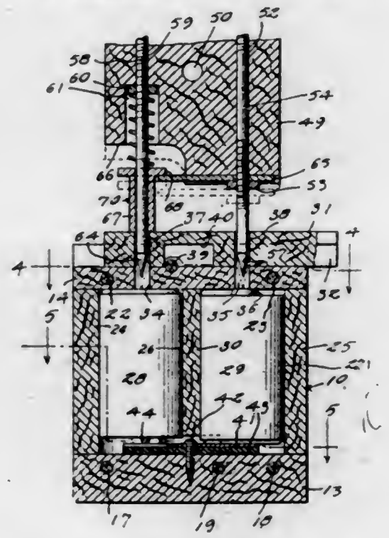
1. In an electromagnet, an exciting circuit, a core member, and an armature member arranged to approach each other when said exciting circuit is closed, at least one of said members having a number of relatively fixed parts arranged in steps and comprising surfaces gradually diminishing towards the end of said member, said member being disposed with regard to the other member in such a cooperating position that during the mutual approaching of said members a canalisation of the lines of force is obtained.

2,407,604
PERCUSSION TOOL
Rudolph Goldschmidt, Sheffield, England
Application February 16, 1944, Serial No. 522,681
In Great Britain March 5, 1943
14 Claims. (Cl. 125—33)



1. A percussion tool including a rotary driving member, a diverging tubular race co-axial with said driving member, a second tubular race adjacent to the larger end of said diverging race and having helical paths on its interior surface, a striker co-axial with and constrained to rotate with said driving member and reciprocable along said axis, said striker having centrifugal masses constrained to rotate with it and capable of co-operating with said helical paths for transforming the kinetic energy of rotation of said striker into striking energy of translation of said striker, and an abutment member capable of arresting such translatory movement of said striker while said striker is within said second race, said helical paths being of opposite hand to the helixes traced out by said masses during the translatory movement of said striker towards said abutment member.

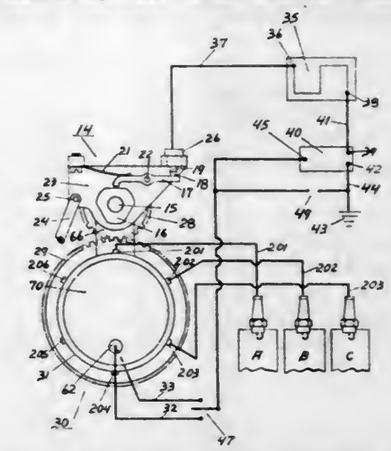
2,407,605
BLASTING UNIT AND SHORT-CIRCUITING DEVICE
John V. Hammond, Spangler, and Dennis J. Keenan, Barnesboro, Pa.; said Keenan assignor to said Hammond
Application March 12, 1945, Serial No. 582,246
5 Claims. (Cl. 136—181)



1. A blasting unit comprising a battery housing, including a top wall formed with a pair of apertures, a slide carried by said top wall having a pair of apertures adapted to register with the aperture of said top wall, a pair of batteries in said housing having terminals confronting the apertures of said end wall, and a contact member including a body member, a pair of spaced apart contact members carried by said body member engageable in the apertures of said slide and said top wall for contact with said battery terminals, and normally engaged contact shorting members engaging said contact members, said shorting members being so constructed and arranged that one of said shorting members will be moved to disengaged position with respect to the other of said shorting members when said contact members are disposed in contact with the battery terminals.

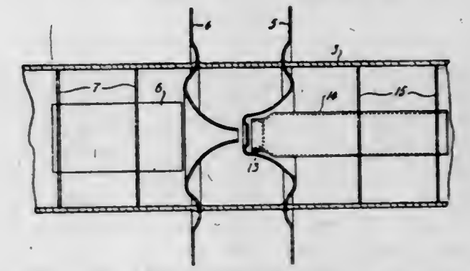
2,407,606
INTERNAL-COMBUSTION ENGINE
Anthony F. Hoesel, Chicago, Ill.
Application July 26, 1944, Serial No. 546,591
3 Claims. (Cl. 123—21)

2. Speed control means, for multi-cylinder internal combustion engines, comprising a movable means to control the volumetric fuel feed rate to the cylinders and means, controlled by the movable means, varying the combustion sequence, among the various cylinders, between the maximum and minimum volumetric fuel feed rates responsive to the movement of the



said movable means, and means, operated at will, to maintain a given combustion sequence irrespective of the volumetric fuel feed rate governed by the said movable means.

2,407,607
ELECTRON DISCHARGE DEVICE EMPLOYING HOLLOW RESONATOR
John Edwin Ingliston Cairns, Chalfont-St. Peter, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application March 13, 1944, Serial No. 526,184
In Great Britain August 8, 1941
4 Claims. (Cl. 315—5)

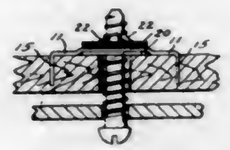


1. An electron discharge device having an envelope containing a cathode for supplying a stream of electrons, and an oppositely disposed electrode toward which said electrons are directed, and a cavity resonator extending transversely of the electron path between said cathode and said other electrode and having apertures through which said electrons are directed, said other electrode being spaced closely adjacent said resonator and having conducting means extending away from said resonator, electrically and conductively connected to said other electrode whereby said other electrode may be heated by eddy currents for degassing said other electrode.

2,407,608
FASTENING DEVICE
Charles H. Judd and Charles Giammatteo, Cleveland, Ohio, assignors to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Original application November 28, 1942, Serial No. 467,224, now Patent No. 2,345,053, dated March 28, 1944. Divided and this application July 22, 1943, Serial No. 495,714
2 Claims. (Cl. 85—32)

1. A combined nut and nut holder comprising a nut holder provided from a strip of sheet metal

defining a body portion having a bolt opening, an offset portion on either side of the body portion defining spaced shoulders, attaching prongs defined by end portions of said strip projecting in the same general direction as said offset portions,



and a nut carried by said body portion comprising bolt engaging means overlying the bolt opening in said body portion and a nut retaining element underlying said body portion and engaging the spaced shoulders defined by said offset portions.

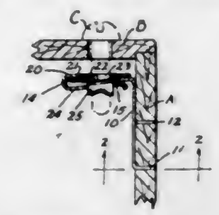
2,407,609

FASTENING DEVICE

Charles H. Judd and Charles Giammatteo, Cleveland, Ohio, assignors to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Original application November 28, 1942, Serial No. 467,224, now Patent No. 2,345,053, dated March 28, 1944. Divided and this application July 22, 1943, Serial No. 495,715

2 Claims. (Cl. 85—32)



1. A combined nut and nut holder comprising a nut holder provided from a section of sheet metal bent to define a body and a flange on one end of said body extending in angular relation thereto, a nut carried by said flange comprising bolt engaging means overlying an opening in the flange and a portion for retaining the nut in attached position on said flange, the other end of the nut holder body comprising an attaching prong projecting angularly therefrom, and another prong bent from said body and projecting in the same general direction as the first named prong.

2,407,610

FUEL INJECTION IN INTERNAL-COMBUSTION ENGINES

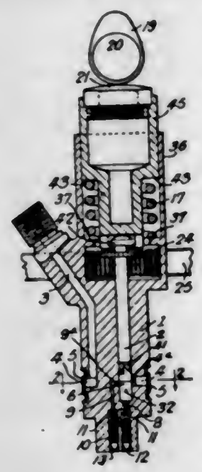
George Stephen Kammer, Bradford, England

Application August 9, 1943, Serial No. 497,991

In Great Britain March 16, 1942

4 Claims. (Cl. 103—41)

1. A fuel injector for an internal combustion engine of the kind in which fuel to be consumed in each working cycle is injected uninterruptedly into a compressed air charge in two portions, namely a pilot fuel portion and an immediately following main fuel portion, the two portions being injected at substantially different rates, comprising a jerk type pump having a cylinder formed with a compression space, a plunger operable in said compression space, a fuel inlet passage terminating in an inlet port in the wall of the compression space at a part traversed by said plunger, a first outlet from the compression space out of reach of the plunger for the pilot fuel, a second outlet from the compression space separate from said first outlet and having an outlet port opening into the compression space wall at a part thereof traversed by the plunger for discharging the main fuel portion, a groove in the plunger located to uncover said outlet port and said inlet port in succession during the working



stroke of said plunger, and a control orifice in the wall of said compression space separate from said outlet and being located to be covered by said plunger during the latter part of said working stroke and being adapted to discharge fuel from said compression space.

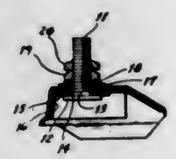
2,407,611

STARTER ADAPTER TERMINAL

Henry M. Lewis, Canton, Miss., assignor of fifty per cent to George B. Herring, Canton, Miss.

Application August 13, 1945, Serial No. 610,623

1 Claim. (Cl. 173—324)



A terminal adapter for a self-starter comprising a casing having tongues extending therefrom and adapted to be secured to a starter and dispose the casing in enclosing relation to a built in knob of the starter, a liner of insulating material fitting snugly in said casing against the top and walls thereof, a threaded post of conductive material passing through an opening in the top of said casing and having a head at its inner end for engaging the knob of the starter, a washer of conductive material fitting about said post between its head and a confronting portion of said liner, said washer having snug fit within the casing to prevent rotation of the washer and said post having a squared shoulder adjacent its head passing through a squared opening in the washer to prevent rotation of the post, a washer of insulating material disposed about said post and bearing against the outer surface of the top of the casing, a wear-resisting washer fitting about said post and against the outer insulating washer, a nut screwed upon said post and bearing against the wear-resisting washer and firmly holding the post in place when tightened, and a second nut screwed upon said post and constituting a lock nut for the first nut and serving as means for securing a conductor wire to the post.

2,407,612

METHOD OF MAKING BUTTER AND BUTTER OIL CONCENTRATE

Ingle J. Lundal and Roy P. Robichaux, Chicago, Ill., assignors, by mesne assignments, of one-half to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware, and one-half to Sugar Creek Creamery Company, Danville, Ill., a corporation of Delaware

Application September 7, 1942, Serial No. 457,612

32 Claims. (Cl. 99—119)

20. The method of processing a creamery product containing milk fat in the dispersed phase comprising the steps of agitating the product in the presence of a controlled quantity of gas to secure the uniting of a substantial portion of the milk fat content thereof, attempering the agitated product to a desired separation temperature, and separating the attempered product to produce a separation product having a high milk fat content, whereby the percentage of milk fat remaining in other separated fractions of the product is substantially reduced.

2,407,613

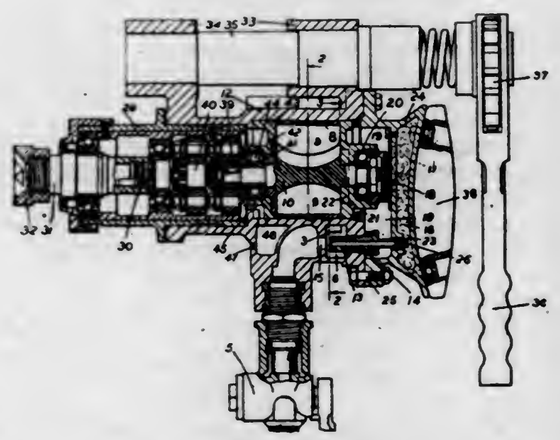
COMPRESSED-AIR DRIVEN DRILL

Reginald William Mann, Monkseaton, and Robert Clough Wiles, Newcastle-on-Tyne, England, assignors to Victor Products, (Wallsend) Limited, a British company

Application December 21, 1943, Serial No. 515,136

In Great Britain January 25, 1943

2 Claims. (Cl. 121—34)



1. In a rotary drill adapted to be driven by compressed air, the combination of a rotor with a plurality of radial slots therein, vanes adapted to slide radially of the rotor one in each slot thereof, a surrounding casing with end walls and an internal circumferential wall disposed eccentrically to said rotor and in which the vanes of the rotor are adapted to slide, an inlet for compressed air, a compartment associated with said casing adapted to contain an absorbent material soaked in lubricant fluid, an adjustable plug member associated with said compressed air inlet and adapted to be set in such a manner as to control the rate at which compressed air can enter said casing, a passage through said plug member leading to said compartment and adapted to by pass a small proportion of the compressed air into the said compartment, a passage leading from said compartment to a recess in one end wall of said surrounding casing adjacent the bases of said slots in said rotor in which said vanes are mounted to slide, said recess being so disposed as to permit compressed air soaked with lubricant from said compartment to enter said slots in the rotor, to press out said vanes radially in said slots, and to apply lubricant thereto as the rotor turns in its casing.

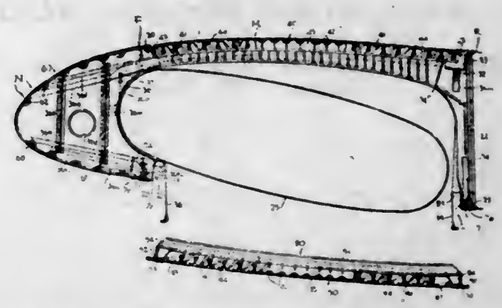
2,407,614

STRUCTURE FOR SUPPORTING FUEL TANKS IN AIRCRAFT WINGS

Robert Montgomery and George W. Schane, Philadelphia, Pa., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 3, 1943, Serial No. 493,378

7 Claims. (Cl. 244—123)



1. A wing construction for carrying a removable tank, comprising, in combination, a nose section, a main section, a front spar-like structure between said sections, a rear spar behind the main section, nose ribs recessed on the rear end adjacent the front spar structure, a tank fitting the recessed ends of the nose ribs, the front spar structure being open intermediate its edges in the tank region to permit the front end of the tank to extend therethrough, one or more L-shaped rib-strut members secured to the front of the rear spar and extending across the top of the main section and being connected to the nose ribs at the front end, an upper skin blanket secured to said rib-strut members, the rear end of the tank fitting a shaped portion on the inside edge of the rib-strut members, straps carried by said nose ribs and said rib-strut members supporting said tank, and a closure secured in a tank-passing opening in the lower part of the wing.

2,407,615

FIRE-RESISTING COATING AND IMPREGNATING COMPOSITIONS

Cecil Frederic Moon, Cricklewood, London, and Norman Collinson-Jones, Hatch End, England

No Drawing. Application October 9, 1944, Serial No. 557,928. In Great Britain September 29, 1943

10 Claims. (Cl. 106—84)

1. A fire-resisting coating and impregnating composition comprising a thorough mixture of sodium silicate (and water); a filler selected from the group consisting of: china clay, pure talc, talc and French chalk, kaolin, asbestine, kalytes, Alusan; a setting agent consisting of concentrated oil of vitriol (and water), and a suspension agent consisting of acetic acid (and water).

2,407,616

METHOD OF DEODORIZATION

Guy W. Phelps and Howard C. Black, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

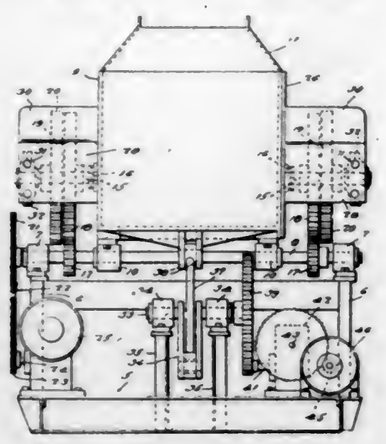
Application November 10, 1941, Serial No. 418,552

15 Claims. (Cl. 260—398.5)

1. The process of deodorizing relatively non-volatile fatty materials containing free fatty

acids and odorous materials, which comprises passing steam through a body of said fatty material at a temperature of at least 200° F. under a vacuum and removing vapors in sufficient amount to substantially reduce the free fatty acids and to improve the odor of the liquid material while supplying heat to the vapors above said body of fatty material so as to maintain sufficient of the vapor zone at a temperature above the condensation point of the vapors to prevent condensate from returning to the liquid fatty material under treatment.

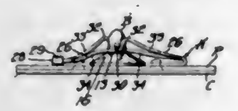
2,407,617
CURD MIXING AND KNEADING MACHINE
Paul Sartori, Plymouth, Wis.
Application February 23, 1944, Serial No. 523,604
2 Claims. (Cl. 259—104)



1. A curd mixing and kneading machine comprising a supporting base, a transverse horizontal driving shaft mounted above the base, a tub pivotally mounted upon said driving shaft for movement to upright operative position or tilted dumping position, a motor mounted on the base operatively connected to said driving shaft for rotatably driving the same, rotary paddles mounted in the tub and operatively connected to said driving shaft so as to permit tilting of the tub without disturbing the driving connections between said driving shaft and said paddles, and power means including a motor mounted on the base for tilting said tub and returning the same to upright position, said paddles having intergeared operating shafts projecting through opposite sides of the tub, and said driving connections including pinions on the driving shaft and gears on the shafts of one of the paddles and meshing with said pinions, laterally projecting guard plates fixed to the opposite sides of the tub and disposed forwardly and rearwardly of the paddle shafts, supporting rods connecting said guard plates, and bearings spanning and supported by said rods and having the outer ends of the paddle shafts journaled therein.

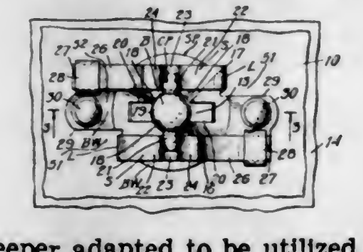
2,407,618
COWL FASTENER
Hyman R. Segal, New York, N. Y., assignor to Helen Segal, New York, N. Y.
Application January 26, 1944, Serial No. 519,744
18 Claims. (Cl. 24—221)

1. In a fastener for removably clamping a cover to a support, a keeper having a base plate adapted to be secured to said support, a hollow boss extending from said base plate and including an elongated opening having an expanded medial portion and communicating restricted portions, a spring plate characterizing spaced and resilient members including transversely alined subkeepers normally spaced from said boss and including terminal portions, resilient loop means integrally merged with said spring plate and base plate for normally hingedly spreading said spring plate away from said base plate, means for slidably guiding said terminal portions and to limit



the spread of said spring plate away from said base plate, and a bolt adapted to be carried by said cover for insertion into and through said boss and having a cross pin for insertion into and through said restricted portions and adapted to be pressed onto and over said members upon rotation of said bolt relative to said cover and support for flexing said members towards said boss and to removably interlock with said subkeepers.

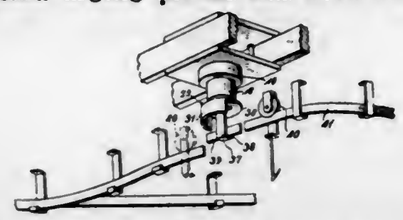
2,407,619
COWL FASTENER
Hyman R. Segal, New York, N. Y., assignor to Helen Segal, New York, N. Y.
Application February 14, 1945, Serial No. 577,841
9 Claims. (Cl. 24—221)



1. A keeper adapted to be utilized with a bolt having a cross pin, said keeper comprising a one piece spring plate including a bottom wall having a boss embodying an elongated slot including an enlarged portion and longitudinally disposed and alined restricted portions communicating with said enlarged portion, loop portions disposed at substantially alternate portions of said spring plate, spaced straps integral with said loop portions and extending in opposite directions and overlying said boss and comprising concaved means and including terminal means, bearing means on said bottom wall for slidably guiding said terminal means, said enlarged portion adapted to removably and rotatably receive said bolt and said alined restricted portions adapted to removably receive said cross pin for removably engaging the latter with said straps and for tensioning said straps prior to interlocking said cross pin with said concaved means, and stop means on said straps to limit rotational displacement of said cross pin.

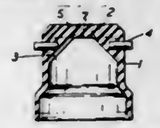
2,407,620
SWITCH FOR TROLLEY RAILS
Granville Franklin Vinsant, Fort Worth, Tex., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 16, 1944, Serial No. 540,619
1 Claim. (Cl. 104—97)

An automatic carcass turning device for an overhead trolley system for use in a slaughtering house comprising; a movable track segment adapted to communicate in an upper position with a track section leading into the segment and in a lower position with a track section leading away from the segment; a rotatable and substantially vertically movable mounting for supporting said segment; means to normally urge said segment toward its uppermost position; said urging and mounting means normally holding said segment in communication with said inleading track but being movable to said lower position to place said segment in communication with said outleading track when the lifting action of said urging means has been overcome as



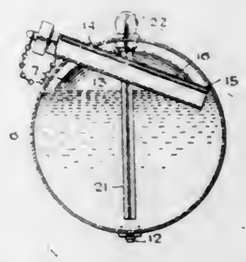
when a trolley loaded with a meat cut is run onto the segment; and means to effect a predetermined degree of rotation of said mounting means as the segment moves between its upper and lower positions so that said trolleys carrying the meat cuts which trolleys are in turn carried on said segment, are turned through said degree of rotation while simultaneously being lowered on said segment from the inleading rail to the outleading rail.

2,407,621
ELECTRIC LAMP BASE OR CAP AND BONDING CEMENT THEREFOR
Henryk Weber, Bedford, England, assignor of two-thirds to Guaranty Plastic Caps Limited, London S. W. 1, England, a British company
Application January 11, 1943, Serial No. 472,057
In Great Britain December 4, 1941
4 Claims. (Cl. 176—32)



4. A one piece molded electric lamp base with integral insulator and skirt portions of high heat resisting properties not detrimentally affected by the heat to which they are subjected in the process of cementing such base to a lamp envelope, said base being formed from a thermosetting material obtained by heating together natural rosin, phenol, formaldehyde, and a heat resisting filler, the amount of rosin comprising up to 10% of the reacting constituents.

2,407,622
FUEL TANK
Merritt R. Wells, York, Pa.
Application November 1, 1943, Serial No. 508,589
2 Claims. (Cl. 220—86)



1. The combination of an elongated fuel tank adapted to be mounted on a vehicle with its longitudinal axis extending substantially horizontally; and a filling tube projecting into the interior of said tank, the tube being mounted in an inclined position with its axis substantially in the vertical plane which bisects said longitudinal axis at right angles thereto, said tube when viewed in plan extending substantially from side to side of the tank, and the lower inner end thereof lying in said plane and opening into the tank at a height such as to trap a substantial air volume in the upper portion of the tank when the latter is filled with liquid fuel supplied through the tube.

2,407,623
MODIFIED LINSEED OIL WRINKLE FINISH
William A. Waldie, Oakwood, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware
No Drawing. Original application January 31, 1942, Serial No. 429,116. Divided and this application November 6, 1942, Serial No. 464,937
6 Claims. (Cl. 106—2)

1. The method of making wrinkle varnish base consisting in heating glycerine with a dehydrating agent from the group consisting of sodium acetate and sodium hydroxide to approximately 500° F. for about 30 minutes, adding non-conjugated double-bonded drying oil and heating to approximately 500° to 520° F.; adding natural resin and heating to approximately 540° F., and blowing the reaction mixture with air at about 400° to 420° F.

DESIGNS

SEPTEMBER 10, 1946

145,557
DESIGN FOR A TABLE LAMP
Alfred I. Alter, Wilton, Conn., assignor to Alfred Alter Company, New York, N. Y., a co-partnership
Application October 12, 1945, Serial No. 122,799
Term of patent 3½ years
(Cl. D48—20)



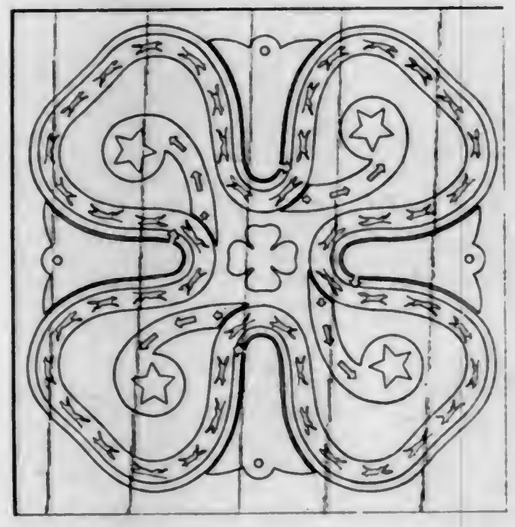
The ornamental design for a table lamp, substantially as shown and described.

145,558
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
Max Ballot, New York, N. Y.
Application March 23, 1946, Serial No. 127,864
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

145,559
DESIGN FOR A GAME BOARD
Jerome U. Bihl, San Marino, Calif.
Application August 20, 1945, Serial No. 121,508
Term of patent 3½ years
(Cl. D34—5)



The ornamental design for a game board, as shown and described.

145,560
DESIGN FOR A HAT OR SIMILAR ARTICLE
Harry Bonn, Union City, N. J.
Application March 16, 1946, Serial No. 127,589
Term of patent 7 years
(Cl. D3—13)



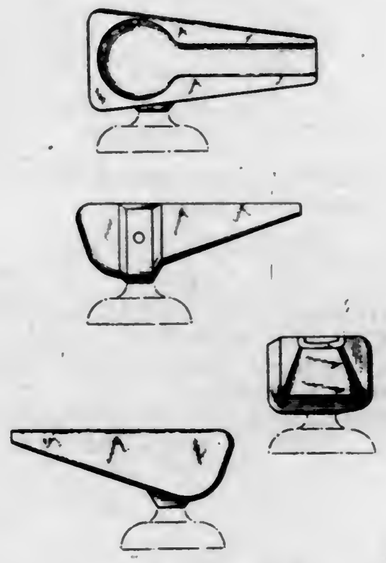
The ornamental design for a hat or similar article, substantially as shown.

145,561
DESIGN FOR A CLIP
Marcel Boucher, New York, N. Y.
Application December 27, 1945, Serial No. 125,048
Term of patent 7 years
(Cl. D45—19)



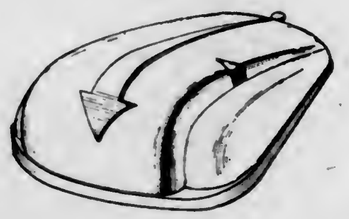
The ornamental design for a clip, substantially as shown.

145,562
DESIGN FOR A PIPE RECEPTACLE
Frederick C. Chambers, Chicago, Ill.
Application October 8, 1945, Serial No. 122,633
Term of patent 7 years
(Cl. D85—2)



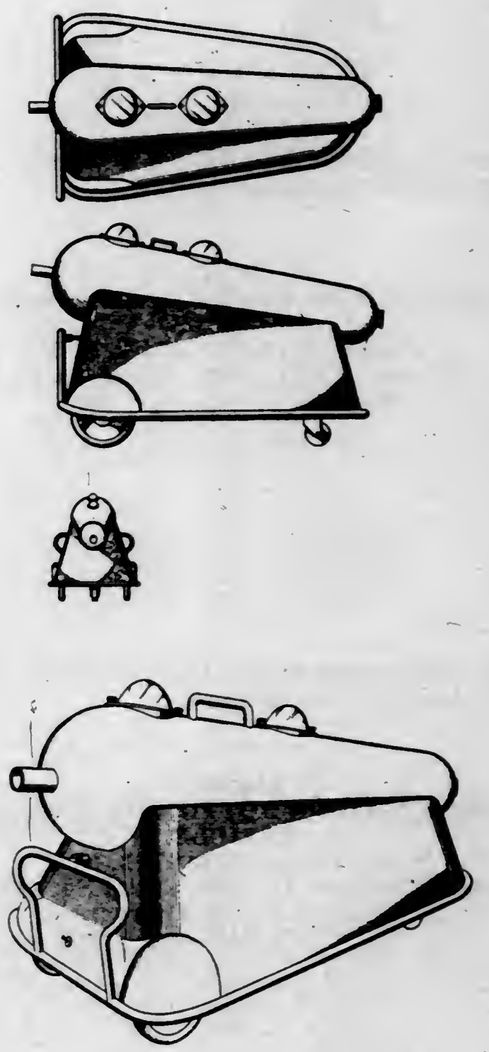
The ornamental design for a pipe receptacle, as shown and described.

145,563
DESIGN FOR A CARPET SWEEPER CASING
Paul Dale, Chicago, Ill.
Application November 26, 1945, Serial No. 124,083
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a carpet sweeper casing, substantially as shown and described.

145,564
DESIGN FOR A RUG AND UPHOLSTERY EXTRACTION MACHINE
Truman W. Doyle, Los Angeles, Calif.
Application October 2, 1945, Serial No. 122,470
Term of patent 7 years
(Cl. D9—2)



The ornamental design for a rug and upholstery extraction machine, substantially as shown.

145,565
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application May 17, 1946, Serial No. 129,804
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

145,566
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application May 17, 1946, Serial No. 129,805
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

145,567
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application May 17, 1946, Serial No. 129,806
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

145,568
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application May 17, 1946, Serial No. 129,807
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

145,569
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application May 31, 1946, Serial No. 130,265
Term of patent 3½ years
(Cl. D17—2)



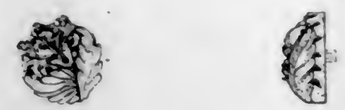
The ornamental design for a button or similar article, substantially as shown.

145,570
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application May 31, 1946, Serial No. 130,266
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

145,571
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application May 31, 1946, Serial No. 130,267
Term of patent 3½ years
(Cl. D17—2)



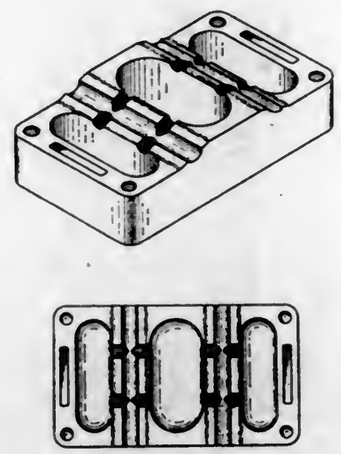
The ornamental design for a button or similar article, substantially as shown.

145,572
DESIGN FOR A FINGER RING
Barnett Esh, New York, N. Y., assignor to Weisfield & Goldberg, Inc., Seattle, Wash., a corporation of Delaware
Application April 17, 1945, Serial No. 119,068
Term of patent 14 years
(Cl. D45—10)



The ornamental design for a finger ring, as shown.

145,573
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Samuel K. Frank, Wheeling, W. Va.
Application December 14, 1945, Serial No. 124,710
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray or similar article, substantially as shown.

145,574
DESIGN FOR A COAT
Mario Frascino, New York, N. Y.
Application May 4, 1946, Serial No. 129,310
Term of patent 3½ years
(Cl. D3—4)



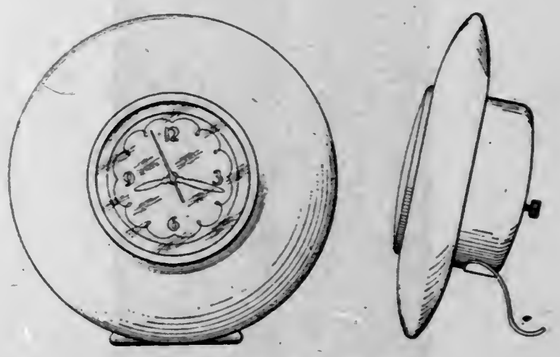
The ornamental design for a coat, substantially as shown.

145,575
DESIGN FOR A TOWEL OR SIMILAR ARTICLE
Isabel H. Hall, New York, N. Y.
Application May 17, 1946, Serial No. 129,796
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for a towel or similar article, substantially as shown and described.

145,576
DESIGN FOR A CLOCK
Michael Hallward, Swampscott, Mass.
Application January 18, 1946, Serial No. 125,698
Term of patent 14 years
(Cl. D42—7)



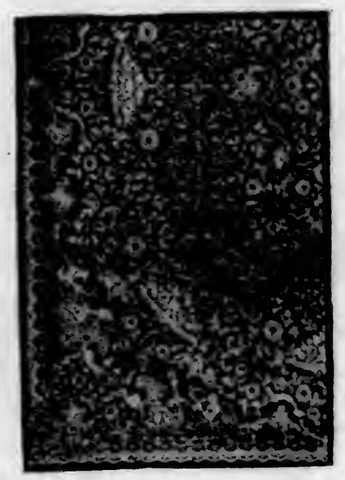
The ornamental design for a clock, substantially as shown.

145,577
DESIGN FOR A SHOE
John Henkel, Baltimore, Md., assignor to Dixon-Bartlett Company, a corporation of West Virginia
Application March 25, 1946, Serial No. 127,926
Term of patent 7 years
(Cl. D7—7)



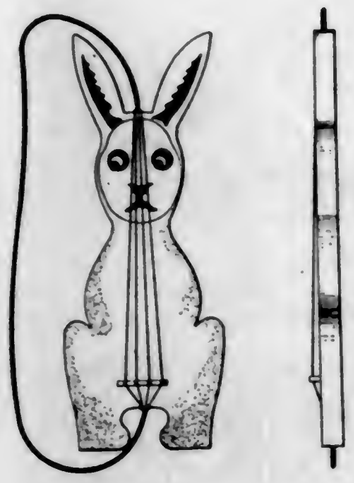
The ornamental design for a shoe, substantially as shown and described.

145,578
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application June 18, 1946, Serial No. 130,836
Term of patent 14 years
(Cl. D92—26)



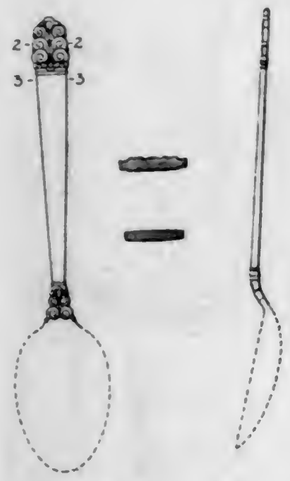
The ornamental design for a lace tablecloth, substantially as shown and described.

145,579
DESIGN FOR A TOY GUITAR
George F. Kearney, New York, N. Y.
Application December 19, 1945, Serial No. 124,864
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy guitar, as shown and described.

145,580
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Alfred G. Kintz, Wallingford, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application April 6, 1946, Serial No. 128,345
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or other article of flatware, substantially as shown and described.

145,581
DESIGN FOR A TOWEL OR SIMILAR ARTICLE
Albert Lange, New York, N. Y.
Application May 17, 1946, Serial No. 129,791
Term of patent 3½ years
(Cl. D92—26)



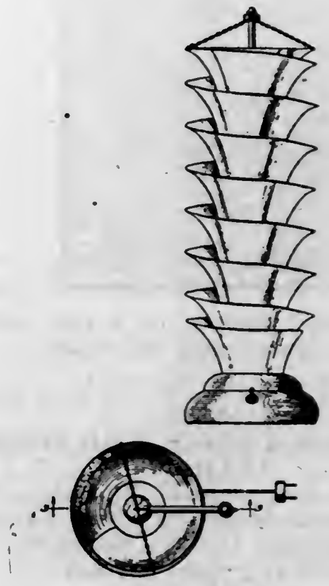
The ornamental design for a towel or similar article, substantially as shown and described.

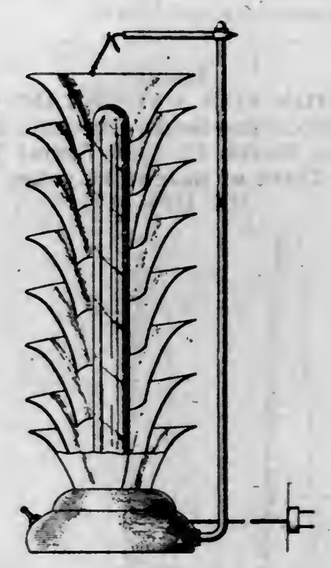
145,582
DESIGN FOR A TOWEL OR SIMILAR ARTICLE
Albert Lange, New York, N. Y.
Application May 17, 1946, Serial No. 129,792
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for a towel or similar article, substantially as shown and described.

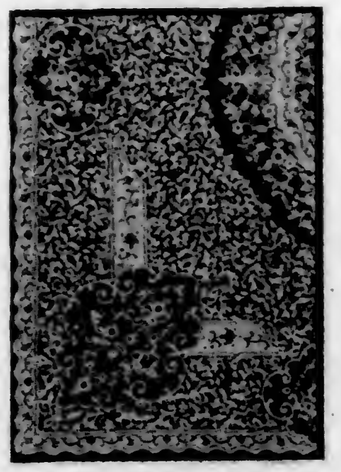
145,583
DESIGN FOR AN ELECTRIC LAMP
John Lolli, Chicago Heights, Ill.
Application October 31, 1945, Serial No. 123,349
Term of patent 7 years
(Cl. D48—20)





The ornamental design for an electric lamp, substantially as shown.

145,584
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application June 19, 1946, Serial No. 130,866
Term of patent 14 years
(Cl. D92—26)

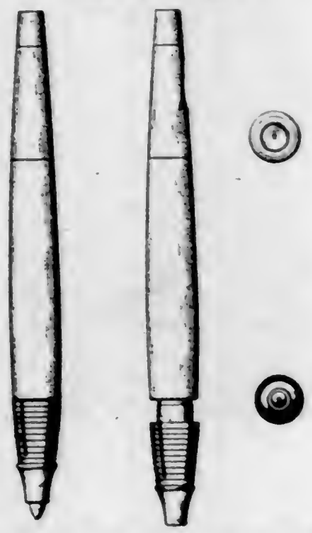


The ornamental design for a lace tablecloth, substantially as shown and described.

145,585
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel Inc., New York, N. Y.
Application January 24, 1946, Serial No. 125,897
Term of patent 7 years
(Cl. D45—19)

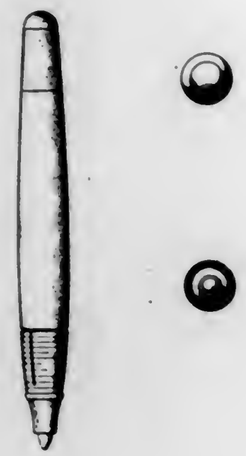
The ornamental design for a brooch or similar article, substantially as shown.

145,586
DESIGN FOR A FOUNTAIN PEN
Milton Reynolds, Chicago, Ill.
Application March 13, 1946, Serial No. 127,435
Term of patent 14 years
(Cl. D74—17)



The ornamental design for a fountain pen, substantially as shown.

145,587
DESIGN FOR A FOUNTAIN PEN
Milton Reynolds, Chicago, Ill.
Application March 13, 1946, Serial No. 127,436
Term of patent 14 years
(Cl. D74—17)



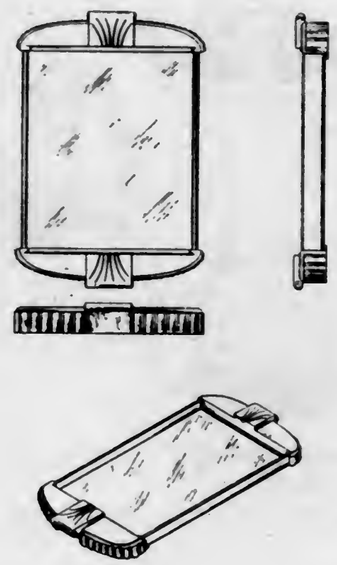
The ornamental design for a fountain pen, substantially as shown.

145,588
DESIGN FOR A LAMP
Herbert Rubin, New York, N. Y.
Application August 21, 1945, Serial No. 121,551
Term of patent 14 years
(Cl. D48—20)



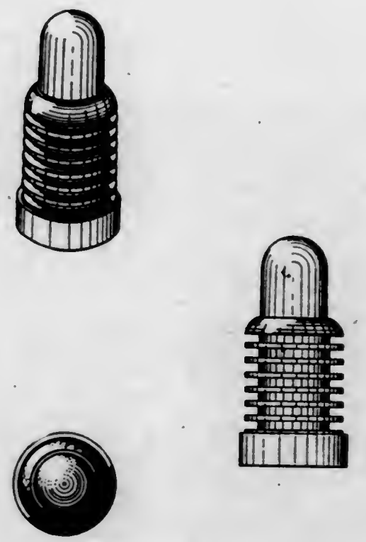
The ornamental design for a lamp, as shown.

145,589
DESIGN FOR A TRAY
Harry S. Scholl, Chicago, Ill., assignor to Consolidated Industries, Chicago, Ill., a partnership
Application February 24, 1945, Serial No. 118,238
Term of patent 3½ years
(Cl. D44—10)



The ornamental design for a tray, as shown.

145,590
DESIGN FOR A CASING OR BODY FOR A LIGHTER OR THE LIKE
Leo Soklaski, Brooklyn, N. Y.
Application January 17, 1946, Serial No. 125,672
Term of patent 14 years
(Cl. D48—27)



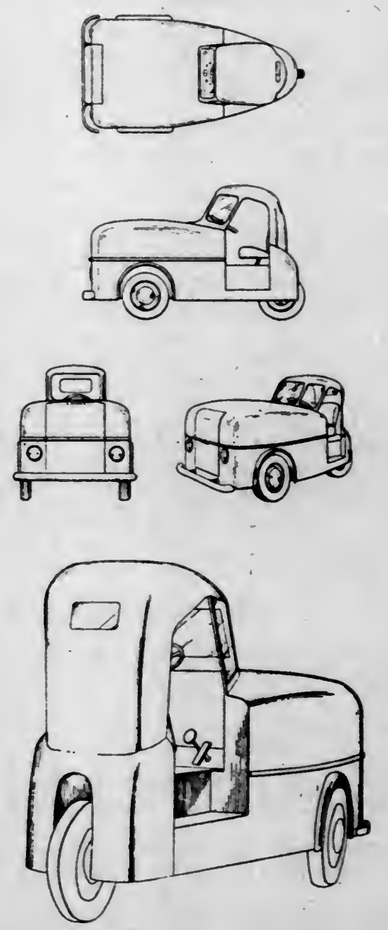
The ornamental design for a casing or body for a lighter or the like, substantially as shown.

145,591
DESIGN FOR A PIN OR SIMILAR ARTICLE
Kurt Speck, Palisade Park, N. J., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J.
Application August 17, 1945, Serial No. 121,459
Term of patent 7 years
(Cl. D45—19)



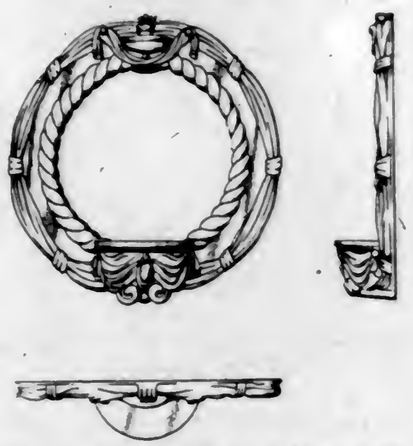
The ornamental design for a pin or similar article, substantially as shown.

145,592
DESIGN FOR AN AUTOMOTIVE DELIVERY VEHICLE
William S. Tandler and Ferdinand A. de Weiss, New York, N. Y., assignors to Industrial Scientific Company, New York, N. Y.
Application October 13, 1945, Serial No. 122,810
Term of patent 14 years
(Cl. D14—3)



The ornamental design for an automotive delivery vehicle, as shown.

145,593
DESIGN FOR A FRAME FOR MIRRORS, PICTURES, AND THE LIKE
Lily Mark Tolpo, Chicago, Ill., assignor to Plasto Manufacturing Company, Chicago, Ill., a partnership composed of Joseph Borowitz and Louis Hochstadter
Application May 4, 1945, Serial No. 119,399
Term of patent 3½ years
(Cl. D29—20)



The ornamental design for a frame for mirrors, pictures, and the like, as shown.

145,594
DESIGN FOR A TOY FIGURE
John H. Wright, Philadelphia, Pa.
Application June 8, 1946, Serial No. 130,550
Term of patent 14 years
(Cl. D34—4)



The ornamental design for a toy figure, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. C. Mfg. Co.: *See*—
Aircraft Components, Inc.

Abbott Laboratories, North Chicago, Ill. Sedative, analgesic, and antipyretic compound. Serial No. 494,804; Sept. 10. Class 6.

Accessocraft Products Co., New York, N. Y. Plastic plated jewelry. Serial No. 492,672; Sept. 10. Class 28.

Aero-Art: *See*—
Frantz Industries.

Aircraft Components, Inc., now by change of name A. C. Mfg. Co., Van Nuys, Calif. Combined charcoal-fired broiler and serving cart. Serial No. 473,493; Sept. 10. Class 34.

Alice Frock Co., San Francisco, Calif. Women's and children's wearing apparel. Serial No. 497,912; Sept. 10. Class 39.

Allen Manufacturing Co., Chicago, Ill. Women's, misses' and juniors' sportswear. Serial No. 498,367; Sept. 10. Class 39.

Alosium Products Company, Pittsburgh, Pa. Clays that are suitable for use in tooth paste, lotions, face pacts, etc. Serial No. 489,577; Sept. 10. Class 1.

Alpha-Craft Company: *See*—
Meyers, Louis G.

American Lens Company, Inc., New York, N. Y. Objective lenses and reflectors. Serial No. 483,839; Sept. 10. Class 26.

American Oil Company, The, Baltimore, Md. Automobile storage batteries. Serial No. 496,944; Sept. 10. Class 21.

Anabolic Food Products, Inc., Glendale, Calif. Multivitamin perles. Serial No. 496,419; Sept. 10. Class 6.

Asher & Boretz, Inc., New York, N. Y. Woven cotton fabrics. Serial Nos. 485,852–3; Sept. 10. Class 42.

Associated Products, Inc., Chicago, Ill. Face powder, face makeup in liquid form, creams for the hands and face, etc. Serial No. 498,482; Sept. 10. Class 6.

Associated Products, Inc., Chicago, Ill. Face powders, face makeup in liquid form, creams for the hands and face, etc. Serial No. 498,484; Sept. 10. Class 6.

Bachmann, Eric R., Jackson Heights, Long Island, N. Y. Smoking pipe cleaning tool. Serial No. 495,534; Sept. 10. Class 8.

Bass, Gottlieb, doing business as Sapo Elixir Chemical Company, St. Louis, Mo. Rubbing massage compound, hair oil, and brilliantine. Serial No. 492,888; Sept. 10. Class 6.

Bay State Optical Company, Attleboro, Mass. Ophthalmic mountings. Serial Nos. 494,007–8; Sept. 10. Class 26.

Bee Chemical Company, Chicago, Ill. Grinding chemicals, additives and cutting chemicals. Serial No. 491,391; Sept. 10. Class 6.

Bennett, M. J., & Co., New York, N. Y. Insecticide. Serial No. 497,770; Sept. 10. Class 6.

Berman, S. A., doing business as Frozen Dough Products of America, Minneapolis, Minn. Frozen dough. Serial No. 497,771; Sept. 10. Class 46.

Birdsall, Robert E., Fontana, Wis. Box and crate shooks, and knockdown and assembled wooden and metal boxes, etc. Serial No. 455,884; Sept. 10. Class 2.

Blue Ribbon Products Company, San Francisco, Calif. Washing and cleaning compound. Serial No. 496,497; Sept. 10. Class 4.

Bonney Forge and Tool Works, Allentown, Pa. Tool boxes. Serial No. 482,269; Sept. 10. Class 2.

Bugler Brand and Agencies Ltd., The, Vancouver, B. C., Canada. Wines. Serial No. 495,537; Sept. 10. Class 47.

Bugler Brand and Agencies Ltd., The, Vancouver, B. C., Canada. Beer. Serial No. 495,538; Sept. 10. Class 48.

Caplan, Leo, Detroit, Mich. Lawn edgers. Serial No. 496,539; Sept. 10. Class 23.

Carnahan, William G., Blaine, Tenn. Packaged prepared food. Serial No. 497,591; Sept. 10. Class 46.

Carosel Parfum Co.: *See*—
Gordon, Marvin.

Carrel, Ltd., Chicago, Ill. Cosmetic preparations. Serial No. 494,177; Sept. 10. Class 6.

Cenicola, John M., Los Angeles, Calif. Ointments. Serial No. 496,765; Sept. 10. Class 6.

Certified Dry Mat Corporation, New York, N. Y. Matrix, dry mats and flongs. Serial No. 496,949; Sept. 10. Class 50.

Charvet & Fils, Inc., New York, N. Y. Neckties, outer shirts, sweaters, etc. Serial Nos. 488,188–89; Sept. 10. Class 39.

Chemical Coating Materials Company, Belleville, N. J. Finishing compositions comprising lacquer and resin-mixed emulsions. Serial No. 495,011; Sept. 10. Class 6.

Coffing Hoist Company, Danville, Ill. Hand operable endless chain powered chain hoists. Serial No. 471,301; Sept. 10. Class 23.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Methyl ester of cocoanut oil fatty acids. Serial No. 493,659; Sept. 10. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Denture cleanser and soaps, etc. Serial No. 493,660; Sept. 10. Class 4.

Colonial Dames Company, Ltd., Los Angeles, Calif. Soap. Serial No. 474,654; Sept. 10. Class 4.

Corning Leader, Inc., Corning, N. Y. Daily newspaper. Serial No. 496,895; Sept. 10. Class 38.

Cosmex Corp., New York, N. Y. Liquid preparation. Serial No. 496,543; Sept. 10. Class 4.

Cosmos International Corporation, New York, N. Y. Preparation to be taken internally. Serial No. 495,274; Sept. 10. Class 6.

Coulter, L. B., Salisbury, N. C. Hair tonic, brilliantine, after-shave lotion, and shampoo. Serial No. 488,687; Sept. 10. Class 6.

Crestwood Linen Company, New York, N. Y. Handkerchiefs. Serial No. 495,276; Sept. 10. Class 39.

Crosley Corporation, The, Cincinnati, Ohio. Monthly news publication. Serial No. 483,133; Sept. 10. Class 38.

Crown Overall Mfg. Co., The, Cincinnati, Ohio. Articles of apparel. Serial No. 498,272; Sept. 10. Class 39.

Darby, Harry, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Steam boilers, metal boiler jackets, casings for heat exchangers, etc. Serial No. 465,738; Sept. 10. Class 34.

Darby, Harry, Manufacturer: *See*—
Darby, Harry.

Demand Products Company: *See*—
Meyer, Harold A.

De Pree Company, The, Holland, Mich. Insecticide in powdered form. Serial No. 488,577; Sept. 10. Class 6.

Dubrowsky and Joseph, New York, N. Y. Infants' and children's coats. Serial No. 498,125; Sept. 10. Class 39.

Duplex Fabrics Corporation, New York, N. Y. Rayon piece goods. Serial No. 493,921; Sept. 10. Class 42.

Du Pont, E. I., de Nemours, and Company, Wilmington, Del. Dyes and dyestuffs. Serial No. 499,772; Sept. 10. Class 6.

Edison, Thomas A., Incorporated, West Orange, N. J. Finely divided and substantially pure metallic iron reduced by hydrogen, for use as a constituent or ingredient of foods, etc. Serial No. 464,537; Sept. 10. Class 46.

Ekco Products Company, Chicago, Ill. Kitchen and household tools and utensils. Serial Nos. 492,697–9; Sept. 10. Class 23.

Electric Railway Improvement Company, The, Cleveland, Ohio. Metals, metal compounds and alloys, etc. Serial No. 478,041; Sept. 10. Class 14.

Electronic Laboratories, Inc., Indianapolis, Ind. Electric inter-communication loud speaker radio tube-set apparatus. Serial No. 493,110; Sept. 10. Class 21.

Ellis Paint Company, Long Beach, Calif. Brushing type, synthetic enamels and general protecting coatings. Serial No. 494,741; Sept. 10. Class 16.

Encyclopaedia Britannica, Inc., Chicago, Ill. Newsletters. Serial Nos. 492,370–1; Sept. 10. Class 38.

Eversole, Maclay & Co., Potosi, Mo. Ground barytes. Serial No. 470,020; Sept. 10. Class 1.

Fairbanks, Morse & Co., Chicago, Ill. Weighing machines, scales, balances, etc. Serial No. 473,729; Sept. 10. Class 26.

Fallenberg, R. B., Laboratory: *See*—
Fallenberg, Robert B.

Fallenberg, Robert B., doing business as R. B. F. Chemical Co., and also as R. B. Fallenberg Laboratory, Glendale, Calif. Veterinary remedy. Serial No. 494,829; Sept. 10. Class 6.

Fischer, Albert C., doing business as Servicised Products Company, Chicago, Ill. Plywood; asphalt fiber boards and planks, etc. Serial No. 459,807; Sept. 10. Class 12.

Fishmaster Sporting Goods Co., Quincy, Mass. Swivels used in fishing tackle. Serial No. 500,380; Sept. 10. Class 22.

Follsain Metals Ltd., Lutterworth, near Rugby, England. Boilers and furnaces and parts thereof. Serial No. 477,602; Sept. 10. Class 34.

Franklin Photographic Industries, Chicago, Ill. Electric phonographs and reproducers. Serial No. 473,600; Sept. 10. Class 21.

Frantz Industries, doing business as Aero-Art, Los Angeles, Calif. Luggage stands, folding tray stands, serving carts, etc. Serial No. 491,820; Sept. 10. Class 32.

Freund, Robert, doing business as The Twin Editions, New York, N. Y. Color-prints and books. Serial No. 493,059; Sept. 10. Class 38.
Frozen Dough Products of America: *See*—
Berman, S. A.
Gastwirth, Louis, & Co., New York, N. Y. Children's and boys' suits, coats, and pants. Serial No. 494,056; Sept. 10. Class 39.
Gelke, Harry, Cincinnati, Ohio. Inflammable liquid fuel. Serial No. 489,508; Sept. 10. Class 6.
Gemco Engineering & Manufacturing Co., Inc., The, Cincinnati, Ohio. Trailers and parts thereof. Serial No. 491,004; Sept. 10. Class 19.
General Aniline & Film Corporation, New York, N. Y. Printing and developing machines. Serial No. 487,252; Sept. 10. Class 26.
General Aniline & Film Corporation, New York, N. Y. Chemicals and preparations and compounds thereof used in photographic processes. Serial No. 487,672; Sept. 10. Class 6.
Germain, John F., Brooklyn, N. Y. Paints and protective coatings. Serial No. 496,553; Sept. 10. Class 16.
Germain Seed and Plant Co., Los Angeles, Calif. Grass seed. Serial No. 489,956; Sept. 10. Class 1.
Gillette Safety Razor Company, Boston, Mass. Safety razors and safety razor blades. Serial No. 497,790; Sept. 10. Class 23.
Glenn, Charles A., doing business as Rhumboogie Recording Company, Chicago, Ill. Mechanically grooved phonograph records. Serial No. 489,510; Sept. 10. Class 36.
Goldberg, Garrett M., doing business as Garrett M. Goldberg Paint Company, San Francisco, Calif. Paints in dry, paste, and/or ready-mixed forms, and painters' materials. Serial No. 492,556; Sept. 10. Class 16.
Goldberg, Garrett M., Paint Company: *See*—
Goldberg, Garrett M.
Goodfellow, Mary, New York, N. Y. Ladies' hats. Serial No. 495,665; Sept. 10. Class 39.
Gordon, Marvin, assignor to Carosel Parfum Co., New York, N. Y. Toilet water. Serial No. 497,024; Sept. 10. Class 6.
Gould, Geo. H., Company, Louisville, Ky. Medicated powder. Serial No. 495,231; Sept. 10. Class 6.
Gray-Mills Co., Evanston, Ill. Refrigerating apparatus. Serial No. 486,251; Sept. 10. Class 31.
Green Bay Canning Corporation, Green Bay, Wis. Canned vegetables. Serial No. 499,550; Sept. 10. Class 46.
Green Circle Products. Liniment. Serial No. 494,673; Sept. 10. Class 6.
Griffin, B. A., Company, Inc., Milwaukee, Wis. Spiced and pickled herring. Serial No. 482,486; Sept. 10. Class 46.
H. G. Underwear Corporation, New York, N. Y. Underwear, panties, slips, etc. Serial No. 495,380; Sept. 10. Class 39.
Haas Brothers, San Francisco, Calif. Canned fruits, canned vegetables, canned fruit juices, etc. Serial No. 495,882; Sept. 10. Class 46.
Hamilton Watch Company, Lancaster, Pa. Ladies' watches. Serial No. 498,281; Sept. 10. Class 27.
Hardesty Chemical Co., Inc., New York, N. Y. Aryl benzene. Serial No. 495,669; Sept. 10. Class 6.
Harvey Features Syndicate, New York, N. Y. Magazine. Serial No. 496,622; Sept. 10. Class 38.
Helburn, Willard, Inc., Peabody, Mass. Leather. Serial No. 496,024; Sept. 10. Class 1.
Helburn, Willard, Inc., Peabody, Mass. Artificial leather. Serial No. 496,025; Sept. 10. Class 50.
Hence Associates, Inc., Chicago, Ill. Magazine. Serial No. 492,439; Sept. 10. Class 38.
Hough Packed Produce: *See*—
Hough, T. E.
Hough, T. E., doing business as Hough Packed Produce, Harlingen, Tex. Fresh vegetables. Serial No. 498,419; Sept. 10. Class 46.
House of Pine: *See*—
Siegel, Michael.
Hudson American Corporation, New York, N. Y. Transformers, radio broadcast receivers and parts therefor, and marine radio telephone transmitters, etc. Serial No. 498,349; Sept. 10. Class 21.
International Braid Company, Providence, R. I. Support for Venetian blind slats. Serial No. 494,334; Sept. 10. Class 40.
Irresistible, Inc., New York, N. Y. Perfume. Serial No. 491,759; Sept. 10. Class 6.
Johnson-March Corporation, The, New York, N. Y. Material for waterproofing brick, stone, concrete, etc. Serial No. 499,629; Sept. 10. Class 12.
Jonthay, New York, N. Y. Toy jack-in-the-boxes and dolls. Serial No. 482,629; Sept. 10. Class 22.
Judith Ann Knitwear Co.: *See*—
Katz, Milton.
K. C. Boyswear Mfg. Co., Kansas City, Mo. Boys' outer clothing. Serial No. 496,844; Sept. 10. Class 39.
Katz, Milton, doing business as Judith Ann Knitwear Co., Brooklyn, N. Y. Women's, girls', and children's sweaters. Serial No. 498,703; Sept. 10. Class 39.
Kaye, David, doing business as Kaye Laboratories. Vitaminic preparations. Serial No. 494,794; Sept. 10. Class 6.
Kaye Laboratories: *See*—
Kaye, David.
Kelite Products, Inc., doing business as Kenu Products Company, Los Angeles, Calif. Cleaning and washing powder. Serial No. 494,451; Sept. 10. Class 4.
Kendall Refining Company, Bradford, Pa. Lubricating oils. Serial No. 486,261; Sept. 10. Class 15.
Kenu Products Company: *See*—
Kelite Products, Inc.
Kinkead Industries Incorporated, Chicago, Ill. Metal and plastic mouldings. Serial No. 497,027; Sept. 10. Class 12.
Klein, Joseph M., New York, N. Y. Men's overcoats and topcoats, and suits. Serial Nos. 497,721–2; Sept. 10. Class 39.
Klopfer, Henrietta, Toms River, N. J. Brassières, corsets, corset waists, etc. Serial No. 495,244; Sept. 10. Class 39.
Knomark Manufacturing Co., New York, N. Y. Dressing, cleaner, and polish for shoes, boots, and leather goods, etc. Serial No. 496,147; Sept. 10. Class 4.
L. G. Manufacturing Co., Oakland, Calif. Wrenches and other special tools for repairing watches. Serial No. 496,847; Sept. 10. Class 23.
Lederle Laboratories, Inc., New York, N. Y. Sulfadiazine preparations. Serial No. 489,471; Sept. 10. Class 6.
Lee Growers Cooperative, Tampa, Fla. Canned citrus juices. Serial No. 494,084; Sept. 10. Class 46.
Lucky "11" Sandwich System, St. Joseph, Mo. Sandwiches. Serial No. 491,859; Sept. 10. Class 46.
Marion Manufacturing Company, Atlanta, Ga. Liquid soap solution. Serial No. 483,228; Sept. 10. Class 4.
Marvel Products, Inc., New York, N. Y. Writing inks, drawing inks, stamp pad inks, etc. Serial No. 493,794; Sept. 10. Class 11.
Mason, William H., Leesburg, Ohio. Canes. Serial No. 494,097; Sept. 10. Class 41.
Master Industries, Inc., New York, N. Y. Ice cream freezer. Serial No. 502,385; Sept. 10. Class 31.
May, Jack, doing business as Sardeau, New York, N. Y. Perfume, lipsticks, rouge, etc. Serial No. 482,063; Sept. 10. Class 6.
McKnight, Laurence J., Cleveland, Ohio. Adjustable load bearing metal posts, columns and stantions, etc. Serial No. 496,722; Sept. 10. Class 12.
McNab of Bridgeport, Inc., Bridgeport, Conn. Toys. Serial No. 491,721; Sept. 10. Class 22.
Merck, Horace, doing business as The Merck Pharmacal Co., Jacksonville, Fla. Medical preparation. Serial No. 484,414; Sept. 10. Class 6.
Merck Pharmacal Co.: *See*—
Merck, Horace.
Metro-Nite Company, The, Milwaukee, Wis. Pigments to be used in the preparation of an extender. Serial No. 489,975; Sept. 10. Class 6.
Meyer, Harold A., doing business as Demand Products Company, San Francisco, Calif. Cleaning fluid. Serial No. 496,389; Sept. 10. Class 4.
Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 481,853; Sept. 10. Class 28.
Meyers, Louis G., doing business as Alpha-Craft Company, New York, N. Y. Costume jewelry. Serial No. 498,645; Sept. 10. Class 28.
Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 498,302; Sept. 10. Class 27.
Multi Products, Incorporated, Chicago, Ill. Wall brackets, and book ends. Serial No. 488,606; Sept. 10. Class 32.
Mundie Manufacturing Company, The, Aurora, Ill. Stock tank heaters. Serial No. 499,727; Sept. 10. Class 34.
Munson, Whitney K., doing business as Ranger Products Company, East Orange, N. J. Non-smear stamp pads and non-smear ink. Serial No. 487,688; Sept. 10. Class 11.
Nahan, Jack, Los Angeles, Calif. Shoes. Serial No. 495,494; Sept. 10. Class 39.
New England Glass Works, Inc., Providence, R. I. Ornamental jewelry. Serial No. 498,072; Sept. 10. Class 28.
New York Merchandise Co., Inc., New York, N. Y. Hair nets. Serial No. 489,880; Sept. 10. Class 39.
Noma, Incorporated, assignee: *See*—
Toni, Incorporated.
North Shore Manufacturing Company, Duluth, Minn. Children's play clothes. Serial No. 498,441; Sept. 10. Class 39.
Osborn Brothers, Chicago, Ill. Ear muffs. Serial No. 494,860; Sept. 10. Class 39.
Osburn, Myron E., Enid, Okla. Stringed musical instruments. Serial No. 493,452; Sept. 10. Class 36.
Pamm Freres S. A. R. L., Geneva, Switzerland. Watches, watch movements and parts thereof. Serial No. 483,984; Sept. 10. Class 27.
"Peau D'Or" Sales Corporation, Miama, Fla. Toilet preparations. Serial No. 486,500; Sept. 10. Class 6.
Pellenberg, Isidore, New York, N. Y. Vegetable oil for food purposes, olives, condiments, food flavoring table sauces, etc. Serial No. 496,330; Sept. 10. Class 46.

Pendergast, Albert W., Philadelphia, Pa. Industrial workers' protective apparel. Serial No. 481,712; Sept. 10. Class 39.
Peninsular Cigar Co., Tampa, Fla. Cigars. Serial No. 496,266; Sept. 10. Class 17.
Phelps Dodge Copper Products Corporation, New York, N. Y. Non-metallic sheathed cable. Serial No. 493,023; Sept. 10. Class 21.
Physicians & Hospital Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medicinal preparation. Serial No. 489,413; Sept. 10. Class 6.
Poly-Bloom Co., The, Brooklyn, N. Y. Concentrated plant food and fertilizer. Serial No. 482,117; Sept. 10. Class 10.
Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. Serial No. 494,280; Sept. 10. Class 6.
Quaker Oats Company, The, Chicago, Ill. Dog food. Serial No. 498,713; Sept. 10. Class 46.
R. B. F. Chemical Co.: *See*—
Fallenberg, Robert B.
Ra-Ce Tool & Metal Stamping Co., Inc., New York, N. Y. Jewelry findings. Serial No. 497,332; Sept. 10. Class 28.
Radio Receptor Company, Inc., New York, N. Y. Electronic high frequency generators. Serial No. 485,922; Sept. 10. Class 21.
Ranger Products Company: *See*—
Munson, Whitney K.
Raymond Laboratories, Inc., St. Paul, Minn. Hair shampoos, hair rinses and hair waving lotions. Serial No. 488,669; Sept. 10. Class 6.
Reckitt & Colman Limited, Hull, England. Preparation of mustard forming a relish, condiment or sauce. Serial No. 488,774; Sept. 10. Class 46.
Rhumboogie Recording Company: *See*—
Glenn, Charles A.
Rice Growers Association of California, Sacramento, Calif. Rice. Serial Nos. 495,694–5; Sept. 10. Class 46.
Richelieu, Marie, Parfum Odesant, Inc., New York, N. Y. Toilet water. Serial No. 493,514; Sept. 10. Class 6.
River Raisin Paper Company, Monroe, Mich. Corrugated and solid fibre shipping cases and cartons. Serial No. 487,740; Sept. 10. Class 2.
Roberk Company, The: *See*—
Robins-Berke Co.
Robins-Berke Co., assignor to Roberk Company, The, Norwalk, Conn. Rear vision mirrors and parts therefor. Serial No. 489,285; Sept. 10. Class 19.
Roditi, D., & Sons, Inc., New York, N. Y. Costume jewelry, and bracelets, finger rings, necklaces, etc. Serial No. 498,082; Sept. 10. Class 28.
Rosenbloom, Morris, & Co., Inc., Rochester, N. Y. Finger rings. Serial No. 494,799; Sept. 10. Class 28.
Ross, Theo., doing business as Theo. Ross Associates, a division of Timsol Company of America, Los Angeles, Calif. Liquid compound used as a disinfectant, germicide, fungicide, etc. Serial No. 497,133; Sept. 10. Class 6.
Ross, Theo., Associates, a division of Timsol Company of America: *See*—
Ross, Theo.
Roth, Chester H., Co., Inc., New York, N. Y. Ladies' hosiery. Serial No. 495,193; Sept. 10. Class 39.
Sagona, Frank M., doing business as Scharmouché Parfum Labs., Chicago and Rockford, Ill. Perfumes, cologne, toilet water, etc. Serial No. 496,863; Sept. 10. Class 6.
Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparation. Serial No. 503,944; Sept. 10. Class 6.
Sapo Elixir Chemical Company: *See*—
Bass, Gottlieb.
Sardeau: *See*—
May, Jack.
Scharmouché Parfum Labs.: *See*—
Sagona, Frank M.
Scholastic Corporation, New York, N. Y. Feature page in a weekly periodical. Serial No. 489,492; Sept. 10. Class 38.
Sears, Roebuck and Co., Chicago, Ill. Electric range surface heating units. Serial No. 496,339; Sept. 10. Class 21.
Servicised Products Company: *See*—
Fischer, Albert C.
Shefford Cheese Company, Inc., Green Bay, Wis. Cheese food mixture. Serial No. 498,804; Sept. 10. Class 46.
Sherman Paper Products Corporation, Newton, Mass. Paper. Serial No. 479,954; Sept. 10. Class 2.
Siegel, Michael, doing business as House of Pine, Roselle, N. J. After shave lotion. Serial No. 489,362; Sept. 10. Class 6.
Sitroux, Inc., New York, N. Y. Hair nets. Serial No. 499,020; Sept. 10. Class 39.
Skipper, Roscoe, Inc., Avon Park, Fla. Oranges, fresh grapefruit and fresh tangerines. Serial No. 494,464; Sept. 10. Class 46.
Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnieres, near Paris, France. Perfumes. Serial No. 497,981; Sept. 10. Class 6.
Sola, Joaquin Belendez, New York, N. Y. Tonic for anemia. Serial No. 490,265; Sept. 10. Class 6.
Standard Milling Company, New York, N. Y., assignor to Standard Milling Company, Chicago, Ill. Wheat flour. Serial No. 495,840; Sept. 10. Class 46.
Strand Castle Company, Lynwood, Calif. Glaze in liquid and paste form. Serial No. 491,522; Sept. 10. Class 16.
Sunray Awning Shutter Company, Fort Lauderdale, Fla. Louvre awnings, louvre panels and jalousies. Serial No. 500,328; Sept. 10. Class 12.
Syracuse Ornamental Co., New York, N. Y. Furniture carvings, mouldings and legs, etc. Serial No. 490,981; Sept. 10. Class 32.
Taylor-Graves, Inc., Saybrook, Conn. Child-propelled toy rolling strollers, etc. Serial No. 490,407; Sept. 10. Class 22.
Tiffany Blouse Corp., New York, N. Y. Ladies' blouses, dresses, skirts, jackets, etc. Serial No. 487,017; Sept. 10. Class 39.
Toni, Incorporated, assignor to Noma, Incorporated, St. Paul, Minn. Non-electrical hair curlers. Serial No. 494,143; Sept. 10. Class 40.
Tucker & Sons, Grass Valley, Calif. Automotive vehicles. Serial No. 473,436; Sept. 10. Class 19.
Twin Editions, The: *See*—
Freund, Robert.
Ulmer Pharmacal Company: *See*—
Physicians & Hospital Supply Company, Inc.
Universal Brassiere and Justrite Corset Co. Inc., New York, N. Y. Girdles, pantie girdles, and corsets. Serial No. 485,931; Sept. 10. Class 39.
Vaco Products Company, assignor to Vaco Products Company, Chicago, Ill. Steel hand tools. Serial Nos. 494,984–5; Sept. 10. Class 23.
Vaco Products Company, assignor to Vaco Products Company, Chicago, Ill. Steel hand tools. Serial No. 494,991; Sept. 10. Class 23.
Vaco Products Company, assignor to Vaco Products Company, Chicago, Ill. Plastic handles for hand tools. Serial No. 494,992; Sept. 10. Class 23.
Valley Fruit Distributors, Victor, Calif. Fresh grapes. Serial No. 497,218; Sept. 10. Class 46.
Vetrod Corporation, New York, N. Y. Radio antennas. Serial No. 498,331; Sept. 10. Class 21.
Wallau, George J., Inc., New York, N. Y. Mild hepatic stimulant. Serial No. 494,147; Sept. 10. Class 6.
Waltham Watch Company, Waltham, Mass. Watches. Serial No. 482,081; Sept. 10. Class 27.
Weldon, Inc., West Haven, Conn., and New York, N. Y. Perfumes, cologne, sachet powder, etc. Serial No. 494,246; Sept. 10. Class 6.
West Bend Canners Inc., West Bend, Wis. Canned corn. Serial No. 498,967; Sept. 10. Class 46.
Whitewater Raincoat Company, Whitewater, Wis. Coats, capes, jackets, etc. Serial No. 484,221; Sept. 10. Class 39.
Wiining-Peplow, Glendale, Calif. Compressed, medicinal tablets. Serial No. 475,289; Sept. 10. Class 6.
Wood, G. H., & Co. Limited, Toronto, Ontario, Canada. Floor wax. Serial No. 493,866; Sept. 10. Class 16.
Wyeth Incorporated, Philadelphia, Pa. Lotion for the relief of skin irritations. Serial No. 498,674; Sept. 10. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories: *See*—
Milliken, John T., & Company.
Acetogen Associates, Inc., Detroit, Mich. Highly refined gas. 423,736; Sept. 10; Serial No. 488,438; published Feb. 12, 1946. Class 6.
Affiliated Retailers, Inc., New York, N. Y. Milk of magnesia tablets. 423,840; Sept. 10; Serial No. 494,955; published June 18, 1946. Class 6.
Affiliated Retailers, Inc., New York, N. Y. After-shave lotion. 423,841; Sept. 10; Serial No. 494,997; published June 18, 1946. Class 6.
Aladdin Industries, Incorporated, Chicago, Ill. Kerosene candle lamps, burners, wicks, etc. 215,534; renewed July 20, 1946. O. G. Sept. 10. Class 35.
Alaska Consolidated Canneries, Inc., to P. E. Harris & Co., Seattle, Wash. Canned salmon. 213,100; renewed May 18, 1946. O. G. Sept. 10. Class 46.
Allied Chemical & Dye Corporation: *See*—
Barrett Manufacturing Company.
Ambrosia Chocolate Company, Milwaukee, Wis. Candy and candy bars. 214,830; renewed July 6, 1946. O. G. Sept. 10. Class 46.
American Cyanamid & Chemical Corporation, New York, N. Y., assignor to American Cyanamid Company. Potassium sodium ferricyanide and sodium ferricyanide. 423,848; Sept. 10; Serial No. 495,265; published June 18, 1946. Class 6.
American Cyanamid Company: *See*—
American Cyanamid & Chemical Corporation.
Calco Chemical Company, The.

American Gas Accumulator Company: *See*—
Stimson, Jonathan C.

American Grinder Manufacturing Co., to Blackhawk Mfg. Co., Milwaukee, Wis. Tools. 212,682; renewed May 11, 1946. O. G. Sept. 10. Class 23.

American International Publications, Inc., New York, N. Y. Periodical. 423,808; Sept. 10; Serial No. 493,310; published June 11, 1946. Class 38.

American Pin Company, The, Waterville, Conn., to Scovill Manufacturing Company, Waterbury, Conn. Safety-pins. 54,927; re-renewed Aug. 7, 1946. O. G. Sept. 10. Class 40.

American Sheet and Tin Plate Company, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Galvanized-steel sheets. 213,269; renewed May 25, 1946. O. G. Sept. 10. Class 14.

American Spectacle Co., Inc., New York, N. Y. Optical lenses, spectacles, and parts thereof. 218,897; renewed Oct. 5, 1946. O. G. Sept. 10. Class 26.

American Tansul Company, San Francisco, Calif. Publication. 423,813; Sept. 10; Serial No. 493,719; published June 11, 1946. Class 38.

American Tissue Mills, Holyoke, Mass. Bread-wrapping paper. 217,794; renewed Oct. 5, 1946. O. G. Sept. 10. Class 37.

Ams, Max, Inc., New York, N. Y. Prune cake filling. 423,809; Sept. 10; Serial No. 493,311; published June 11, 1946. Class 46.

Anheuser-Busch Brewing Association, to Anheuser-Busch, Inc., St. Louis, Mo. Malt extract and malt foods. 28,905; re-renewed Sept. 29, 1946. O. G. Sept. 10. Classes 46 and 48.

Anheuser-Busch, Inc.: *See*—
Anheuser-Busch Brewing Association.

Arabol M'f'g Co., The, New York, N. Y. Mucilage, liquid adhesive starch gums, and liquid adhesive sizings and pastes. 56,407; re-renewed Sept. 25, 1946. O. G. Sept. 10. Class 5.

Arlington Carbonated Beverage Co.: *See*—
Müller, F. W., Sons.

Arnold, E. C., Ceres, Calif., to E. C. Arnold, Turlock, Calif. All varieties of melons in their natural state. 216,132; renewed Aug. 3, 1946. O. G. Sept. 10. Class 46.

Artspur Publications, Inc., New York, N. Y. Illustrated magazine. 423,794; Sept. 10; Serial No. 492,415; published June 11, 1946. Class 38.

Associated Engineering Laboratories: *See*—
Barcroft, William G.

Associated Products, Inc., Chicago, Ill. Face powder, face makeup in liquid form, creams for the hands and face, etc. 423,852; Sept. 10; Serial No. 495,716; published June 18, 1946. Class 6.

Audubon Wire Cloth Company, Audubon, N. J., to Audubon Wire Cloth Corporation, Philadelphia, Pa. Certain wire cloth; and wire guards and wire screens. 211,243; renewed Apr. 6, 1946. O. G. Sept. 10. Class 13.

Audubon Wire Cloth Corporation: *See*—
Audubon Wire Cloth Company.

Augstein, S., & Co., New York and College Point, assignor to S. Augstein & Company, Inc., College Point, N. Y. Women's and children's bathing suits, caps, dresses, etc. 423,744; Sept. 10; Serial No. 489,195; published June 18, 1946. Class 39.

Augstein, S., & Company, Inc., assignee: *See*—
Augstein, S., & Co.

Babson Brothers, Chicago, Ill., to Tidewater Engineering Company, Gloucester, Mass. Pipeless furnace. 212,232; renewed Apr. 27, 1946. O. G. Sept. 10. Class 34.

Bache, Semon & Company, New York, N. Y. Mirror-plates. 56,329; re-renewed Sept. 11, 1946. O. G. Sept. 10. Class 33.

Banta, Guy J., Los Angeles, Calif. Bubble bath compounds. 423,696; Sept. 10; Serial No. 481,041; published June 11, 1946. Class 6.

Barcroft, William G., doing business as Associated Engineering Laboratories, Boulder, Colo. Chemicals. 423,891; Sept. 10. Class 6.

Barrett Manufacturing Company, to Allied Chemical & Dye Corporation, New York, N. Y. Roofing, sheathing, and building paper. 55,556; re-renewed Aug. 14, 1946. O. G. Sept. 10. Class 12.

Barrett Manufacturing Company, to Allied Chemical & Dye Corporation, New York, N. Y. Roofing, sheathing, waterproofing, and building felt. 55,919; re-renewed Aug. 21, 1946. O. G. Sept. 10. Class 12.

Batson, Clark O., Perkinston, Miss. Dairy feed. 423,737; Sept. 10; Serial No. 488,730; published June 18, 1946. Class 46.

Baxter, H. C., & Bro., Brunswick, Maine. Canned vegetables. 216,658; renewed Aug. 17, 1946. O. G. Sept. 10. Class 46.

Beacon Oil Company, to Colonial Beacon Oil Company, Boston, Mass. Petroleum products. 216,011; renewed Aug. 3, 1946. O. G. Sept. 10. Class 15.

Beacon Oil Company, to Colonial Beacon Oil Company, Boston, Mass. Lubricating oils and automobile lubricants. 216,915; renewed Aug. 24, 1946. O. G. Sept. 10. Class 15.

Beau Brummel Ties, Inc., assignee: *See*—
Casselman, Ethel.

Bell Company, Inc., The, Chicago, Ill. Fluids used as a fluid coupling. 423,830; Sept. 10; Serial No. 494,538; published June 11, 1946. Class 15.

Bell Company, Inc., The, Chicago, Ill. Fluids used as a fluid coupling. 423,906; Sept. 10. Class 15.

Bell Laboratories: *See*—
Bell, Robert J.

Bell, Robert J., doing business as Bell Laboratories, Orlando, Fla. Lubricant. 423,700; Sept. 10; Serial No. 482,359; published June 11, 1946. Class 15.

Bell, Robert J., doing business as Bell Laboratories, Orlando, Fla. Special oil added to motor lubricating oil. 423,701; Sept. 10; Serial No. 482,360; published June 11, 1946. Class 15.

Bemis Bro. Bag. Company, St. Louis, Mo. House-organ magazine. 423,767; Sept. 10; Serial No. 491,051; published June 11, 1946. Class 38.

Bennett, John E., San Francisco, Calif. Bath salts. 212,492; renewed May 4, 1946. O. G. Sept. 10. Class 6.

Berland Shoe Stores, Inc., The, St. Louis, Mo. Women's shoes of leather, fabric, and combinations thereof. 423,695; Sept. 10; Serial No. 480,642; published June 18, 1946. Class 39.

Bernheim Distilling Company, Louisville, Ky. Whiskey and brandy. 423,753; Sept. 10; Serial No. 489,789; published June 11, 1946. Class 49.

Birdsall & Wilcox, New Haven, Conn. Sauce for spaghetti and meats. 423,907; Sept. 10. Class 46.

Bis-Rheu Company: *See*—
Cook, Troy.

Bjorndal, Magnus, doing business as Tech Laboratories, Jersey City, N. J. Potentiometers, viscosity meters, moisture meters, etc. 423,877; Sept. 10. Class 26.

Bjorndal, Magnus, doing business as Tech Laboratories, Jersey City, N. J. Potentiometers, viscosity meters, moisture meters, etc. 423,878; Sept. 10. Class 26.

Blackhawk Mfg. Co.: *See*—
American Grinder Manufacturing Co.

Boardman, Wm., & Sons Co., The, Hartford, Conn. Tea. 214,821; renewed July 6, 1946. O. G. Sept. 10. Class 46.

Boeing Aircraft Company, Seattle, Wash. Organization jewelry. 423,674; Sept. 10; Serial No. 450,873; published June 18, 1946. Class 28.

Boston Leather Specialties Co., Everett, Mass. Mattresses. 423,879; Sept. 10. Class 32.

Brandle & Smith Co., Philadelphia, Pa., to Luden's, Inc., Reading, Pa. Candy. 52,005; re-renewed May 1, 1946. O. G. Sept. 10. Class 46.

Brewers Scientific Laboratories, Rahway, N. J. Compound for use in brewing of beers and ales. 423,727; Sept. 10; Serial No. 486,655; published Oct. 30, 1945. Class 48.

Bristol-Myers Company: *See*—
Ingram, Frederick F.
La Salle Company, The.

Bristol-Myers Company, New York, N. Y., to Bristol-Myers Company. Certain named medicines. 51,922; re-renewed Apr. 24, 1946. O. G. Sept. 10. Class 6.

Bristol-Myers Company, New York, and Brooklyn, N. Y., to Bristol-Myers Company, New York, N. Y. Medicinal preparations. 53,030; re-newed May 22, 1946. O. G. Sept. 10. Class 6.

Broadcasting Publications, Inc., Washington, D. C. Section of a weekly news magazine in the nature of a trade magazine. 423,754; Sept. 10; Serial No. 490,058; published June 18, 1946. Class 38.

Brody Mfg. Co., Chicago, Ill. Crib sheets, pillow cases, crib sheet and pillow case sets, etc. 423,679; Sept. 10; Serial No. 469,891; published May 28, 1946. Class 42.

Bromm, A., & Company, Evansville, Ind. Insecticide. 423,689; Sept. 10; Serial No. 478,850; Published Apr. 3, 1945. Class 6.

Browne, Stewart R., Manufacturing Co. Inc., New York, N. Y. Sheet packing and gaskets produced from fibrous material and rubber. 218,908; renewed Oct. 5, 1946. O. G. Sept. 10. Class 35.

Burke & James, Inc., Chicago, Ill. Electric foot switches. 423,896; Sept. 10. Class 21.

Burnham & Morrill Company, Portland, Maine. Canned lobsters. 52,289; re-renewed May 8, 1946. O. G. Sept. 10. Class 46.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Protein hydrolysate. 423,842; Sept. 10; Serial No. 495,008; published June 11, 1946. Class 6.

Byck Bros. & Company, Incorporated, Louisville, Ky. Perfume and toilet water. 423,888; Sept. 10. Class 6.

Byrnes, Eugene F., New York, N. Y. Cartoons. 423,675; Sept. 10; Serial No. 463,772; published June 4, 1946. Class 38.

Calavo Growers of California: *See*—
California Avocado Growers Exchange.

Calco Chemical Company, The, Bound Brook, N. J., to American Cyanamid Company, New York, N. Y. Chemical for use in the dyeing of textiles, etc. 216,522; renewed Aug. 10, 1946. O. G. Sept. 10. Class 6.

California Avocado Growers Exchange, to Calavo Growers of California, Los Angeles, Calif. Avocados (fresh fruits). 214,759; renewed July 6, 1946. O. G. Sept. 10. Class 46.

Carnegie Chemical Mfg. Co.: *See*—
National Chemical & Metal Company.

Carnegie-Illinois Steel Corporation: *See*—
American Sheet and Tin Plate Company.

Caron Corporation, New York, N. Y. Perfumery, extracts, and certain toilet preparations. 217,081; renewed Aug. 24, 1946. O. G. Sept. 10. Class 6.

Casselman, Ethel, doing business as National Distributors of Hollywood, Hollywood, Calif., assignor to Beau Brummel Ties, Inc., Cincinnati, Ohio. After shave cologne. 423,697; Sept. 10; Serial No. 481,177; published Aug. 21, 1945. Class 6.

Casson, Edward A., doing business as Casson Graining Machine Company, Washington, D. C. Lithographing graining machines. 423,758; Sept. 10; Serial No. 490,284; published June 11, 1946. Class 23.

Casson Graining Machine Company: *See*—
Casson, Edward A.

Castille, D. H., New Iberia, La. Certain automobile electrical parts and radio seceiving sets, parts thereof. 218,396; renewed Sept. 28, 1946. O. G. Sept. 10. Class 21.

Channell Chemical Company, Chicago, Ill. Chemical compounds. 423,864; Sept. 10; Serial No. 497,068; published June 18, 1946. Class 6.

Chapman, Wilson K., Washington, D. C. Wood encased pencils. 423,883; Sept. 10. Class 37.

Charles of the Ritz, Inc., New York, N. Y. Cologne and dusting powder. 423,853; Sept. 10; Serial No. 495,789; published June 11, 1946. Class 6.

Chemical Research Syndicate, Ltd., to Gyro Process Company, Detroit, Mich. Motor spirits. 217,534; renewed Aug. 31, 1946. O. G. Sept. 10. Class 15.

Chemical Works formerly Sandoz, Basel, Switzerland, to Sandoz Chemical Works, Inc., New York, N. Y. Pharmaceutical products. 218,376; renewed Sept. 28, 1946. O. G. Sept. 10. Class 6.

Chicago Printed String Company, Chicago, Ill. Printed gift seals and printed enclosure cards adapted to be used in connection with gifts or the like. 423,783; Sept. 10; Serial No. 491,750; published June 18, 1946. Class 38.

Cities Service Oil Company, Cleveland, Ohio, to Cities Service Oil Company, Bartlesville, Okla. Gasoline, lubricating oils and greases. 218,449; renewed Sept. 28, 1946. O. G. Sept. 10. Class 15.

Clark Coleman Coal & Coke Co., Peoria, Ill. Coal. 215,753; renewed July 27, 1946. O. G. Sept. 10. Class 1.

Clark Equipment Company, Battle Creek, Mich. Quarterly trade publication. 423,887; Sept. 10. Class 38.

Clarke Co., The: *See*—
Clarke, David F.

Clarke, David F., doing business as The Clarke Co., Lenoir, N. C. Medicinal preparation. 423,900; Sept. 10. Class 6.

Cluett, Peabody & Co., Inc.: *See*—
Earl & Wilson.

Cochran, Jacqueline, Roselle, N. J. Hand and face lotions. 423,882; Sept. 10. Class 6.

Coe, W. H., Manufacturing Company, Providence, R. I. Package-rolls of gold, silver, aluminium, composition, or other metal leaf. 52,117; re-renewed May 1, 1946. O. G. Sept. 10. Class 14.

Colonial Beacon Oil Company: *See*—
Beacon Oil Company.

Columbia Recording Corporation: *See*—
General Phonograph Corporation.

Compania Licorera de Matanzas, S. A., Matanzas City, Cuba. Rum. 423,684; Sept. 10; Serial No. 475,387; published June 18, 1946. Class 49.

Consolidated Cosmetics, Chicago, Ill. Perfume, lipstick, face powder, etc. 423,713; Sept. 10; Serial No. 484,393; published Jan. 8, 1946. Class 6.

Consolidated Cosmetics, Chicago, Ill. Costume jewelry, compacts, and powder boxes. 423,834; Sept. 10; Serial No. 494,659; published June 11, 1946. Class 28.

Continental Machines, Incorporated, Minneapolis, Minn., assignor to The Doall Company, Des Plaines, Ill. Combination rectifier and magnetizer and demagnetizer. 423,693; Sept. 10; Serial No. 480,438; published Oct. 9, 1945. Class 21.

Cook, Troy, doing business as Cook's Drug Store and Bis-Rheu Company, Cumberland, Ky. Preparation for treating athlete's foot and ringworm. 423,706; Sept. 10; Serial No. 483,260; published June 4, 1946. Class 6.

Cooke & Cobb Company, Brooklyn, N. Y., to The Cooke & Cobb Company, New York, N. Y. Expanding and flat envelopes. 218,815; renewed Oct. 5, 1946. O. G. Sept. 10. Class 37.

Cook's Drug Store: *See*—
Cook, Troy.

Cordelia China Company, Dalton, Ohio. Art ware. 423,838; Sept. 10; Serial No. 494,890; published June 11, 1946. Class 50.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 423,742; Sept. 10; Serial No. 488,993; published June 11, 1946. Class 6.

Coty, Inc., New York, N. Y. Face powder, dusting powder, Toilet water, etc. 423,780; Sept. 10; Serial No. 491,551; published June 11, 1946. Class 6.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 423,781; Sept. 10; Serial No. 491,553; published June 11, 1946. Class 6.

Crescent Bottling Works, Newark, N. J. Ammonia, Javelle water. 218,490; renewed Sept. 28. O. G. Sept. 10. Class 6.

Crescent Bottling Works, Newark, N. J. Ammonia, and laundry bluing. 423,872; Sept. 10; Serial No. 497,782; published June 18, 1946. Class 6.

Cryns Products, Inc., Chicago, Ill. Rye yeast. 423,857; Sept. 10; Serial No. 496,207; published June 11, 1946. Class 46.

Crystal Candy Company, to Rawls Delicious Foods, Inc., Winston-Salem, N. C. Candy. 219,248; renewed Oct. 12, 1946. O. G. Sept. 10. Class 46.

Curtis Publishing Company, The, Philadelphia, Pa. Periodical. 423,745; Sept. 10; Serial No. 489,209; published June 11, 1946. Class 38.

Dallwig, Paul G., Chicago, Ill. Blanks for keeping insurance policy and commission records. 217,315; renewed Aug. 31, 1946. O. G. Sept. 10. Class 37.

Danial, Samuel R., Syracuse, N. Y. Non-alcoholic, non-cereal, maltless beverages. 423,735; Sept. 10; Serial No. 488,081; published June 4, 1946. Class 45.

Davis Aircraft Engineering Co.: *See*—
Davis, Daniel E.

Davis Bros. Cheese Co., Plymouth, Wis., to Kraft Foods Company of Wisconsin, Green Bay, Wis. Cheese. 216,513; renewed Aug. 10, 1946. O. G. Sept. 10. Class 46.

Davis, Daniel E., doing business as Davis Aircraft Engineering Co., Lexington, Mass. Wheels, landing gear, and other parts. 423,759; Sept. 10; Serial No. 490,296; published June 11, 1946. Class 50.

Davis, H. B., Company, The, to The H. B. Davis Company, Baltimore, Md. Semi-paste paint. 55,851; re-renewed Aug. 21, 1946. O. G. Sept. 10. Class 16.

De Laval Separator Company, The, New York and Poughkeepsie, N. Y., to The De Laval Separator Company, New York, N. Y. Centrifugal separators. 52,583; re-renewed May 15, 1946. O. G. Sept. 10. Class 23.

De Laval Separator Company, The, New York and Poughkeepsie, N. Y., to The De Laval Separator Company, New York, N. Y. Cream-separators. 54,868; re-renewed July 31, 1946. O. G. Sept. 10. Class 23.

Densmore, Emmet, and Helen Densmore, New York, N. Y., to Garfield Tea Company, Brooklyn, N. Y. Medicine made mainly of herbs. 28,958; re-renewed Oct. 6, 1946. O. G. Sept. 10. Class 6.

Denver Alfalfa Milling & Products Co., The, Lamar, Colo., to Ralston Purina Company, St. Louis, Mo. Alfalfa meal. 213,321; renewed May 25, 1946. O. G. Sept. 10. Class 46.

Destin, Farel, Inc., New York, N. Y. Cosmetics. 423,865; Sept. 10; Serial No. 497,075; published June 4, 1946. Class 6.

Devereux Packing Company, Salinas, Calif. Fresh vegetables. 423,814; Sept. 10; Serial No. 493,746; published June 18, 1946. Class 46.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. 423,903; Sept. 10. Class 37.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. 423,904; Sept. 10. Class 37.

Doall Company, The, assignee: *See*—
Continental Machines, Incorporated.

Doho Chemical Corporation, New York, N. Y. Ear drops. 423,810; Sept. 10; Serial No. 493,331; published June 11, 1946. Class 6.

Doleith, Inc., Chicago, Ill. Facial cleansing creams, tone cream, night cream, etc. 423,898; Sept. 10. Class 6.

Double "O" Sausage Corporation, Chicago, Ill. Sausage. 423,682–3; Sept. 10; Serial Nos. 474,886–7; published June 11, 1946. Class 46.

Draper Engine Works Co., Seattle, Wash. Logging blocks. 216,693; renewed Aug. 17, 1946. O. G. Sept. 10. Class 23.

Drew, E. F., & Co., Inc., New York, N. Y. Hydrogenation catalysts. 423,762; Sept. 10; Serial Nos. 490,749–50; published June 11, 1946. Class 6.

Dryden & Palmer, Inc.: *See*—
Knickerbocker Chocolate Company.

Duffy-Mott Company, Inc., New York, N. Y. Apple juice and cider. 423,692; Sept. 10; Serial No. 480,407; published June 4, 1946. Class 45.

Dunham Company, The, to The Dunham Company, Berea, Ohio. Alloy of metals. 212,107; renewed Apr. 27, 1946. O. G. Sept. 10. Class 14.

Duplex Envelope Company, The, Richmond, Va. Periodicals. 218,634; renewed Sept. 28, 1946. O. G. Sept. 10. Class 38.

Duplex Envelope Company, The, Richmond, Va. Church contribution envelopes. 218,814; renewed Oct. 5, 1946. O. G. Sept. 10. Class 37.

Du Pont, E. I., de Nemours & Company, Wilmington, Del. Luminescent chemicals. 423,770; Sept. 10; Serial No. 491,244; published June 11, 1946. Class 6.

Earl & Wilson, to Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and cuffs. 28,890; re-renewed Sept. 29, 1946. O. G. Sept. 10. Class 39.

Edison Citrus Association, Edison, Calif., to Edison Citrus Association, Edison and Bakersfield, Calif. Fresh oranges, lemons, and grapefruit. 218,898; renewed Oct. 5, 1946. O. G. Sept. 10. Class 46.

Educator Shoe Corporation of America, The: *See*—
Rice & Hutchins, Incorporated.

Edwards, L. Stanley, Las Cruces, N. Mex. Fresh vegetables and melons. 423,825; Sept. 10. Serial No. 494,430; published June 18, 1946. Class 46.

Electran Manufacturing Company, Chicago, Ill., assignor to Electran Manufacturing Company. Electric transformers, chokes, and reactors. 423,750; Sept. 10; Serial No. 489,505; published June 11, 1946. Class 21.

Elgin Softener Corporation, Elgin, Ill. Preparation for use in treatment of water and steam. 423,751; Sept. 10; Serial No. 489,506; published June 18, 1946. Class 6.

Elmore Milling Company, Inc., Oneonta, N. Y. Compounded dairy ration. 219,257; renewed Oct. 12, 1946. O. G. Sept. 10. Class 46.

Endo Products Inc., New York, N. Y. Medicinal preparation. 423,824; Sept. 10; Serial No. 494,316; published June 11, 1946. Class 6.

Esmond Mills, The, to The Esmond Mills, Incorporated, Esmond, Smithfield, R. I. Textile blankets. 217,595–6; renewed Sept. 7, 1946. O. G. Sept. 10. Class 42.

Esmond Mills, Incorporated, The: *See*—
Esmond Mills, The.

Evans, F. C., San Antonio, Tex. Salve. 423,826; Sept. 10; Serial No. 494,437; published June 11, 1946. Class 6.

Everlastik, Incorporated, Chelsea, Mass. Antislip device in the nature of webbing or tape. 215,636; renewed July 20, 1946. O. G. Sept. 10. Class 40.

Fabrique Ebel, Societe Anonyme, La Chaux-de Fonds, Switzerland. Watches. 423,874; Sept. 10. Class 27.

Fandrel, Fred J., doing business as Sea Foam Products Company, Munster, Ind. Solvents and preparations adapted for use in internal combustion engines, etc. 423,795; Sept. 10; Serial No. 492,700; published June 4, 1946. Class 6.

Farm Crops Processing Corporation, Omaha, Nebr. Feeds for livestock, poultry, and dogs and cats. 423,698; Sept. 10; Serial No. 481,700; published July 24, 1945. Class 46.

Farm Implement News Company, Chicago, Ill. Periodical publication. 423,796; Sept. 10; Serial Nos. 492,909–10; published June 11, 1946. Class 38.

Feature Ring Co.: *See*—
Peterson, Henry.

Fewel Bros. & Co., assignor to Fewel Bros. Packing Co., Fresno, Calif. Raisins. 423,681; Sept. 10; Serial No. 474,793; published Dec. 26, 1944. Class 46.

Fewel Bros. Packing Co.: *See*—
Fewel Bros. & Co.

First Lady Company, Inc., Fort Worth, Tex. Face cream. 423,873; Sept. 10; Serial Nos. 498,219–20; published June 11, 1946. Class 6.

Fishing Gazette Publishing Corp., New York, N. Y. Trade magazine. 423,901; Sept. 10. Class 38.

Fitzgerald Music Company, Los Angeles, Calif. Pianos, player pianos, and phonographs adapted for combination with radio sets. 218,885; renewed Oct. 5, 1946. O. G. Sept. 10. Class 36.

Flamefilm Products Corporation, The, Chicago, Ill. Clocks. 423,831; Sept. 10; Serial No. 494,552; published June 18, 1946. Class 27.

Fox, George A., to George A. Fox Products Company, Kansas City, Mo. Nonalcoholic maltless concentrates and sirups. 217,928; renewed Sept. 14, 1946. O. G. Sept. 10. Class 45.

Fox, George A., Products Company: *See*—
Fox, George A.

French Chemical Company: *See*—
Simpson, John F.

Fresh Frozen Foods, Watsonville, Calif. Fresh frozen deciduous fruits and vegetables. 423,722; Sept. 10; Serial No. 486,147; published June 18, 1946. Class 46.

Friedberg, Leonard, New York, N. Y. Rouge, face powder, perfume, etc. 423,725; Sept. 10; Serial No. 486,407; published Dec. 25, 1945. Class 6.

Garfield Tea Company: *See*—
Densmore, Emmet and Helen.

General Aniline & Film Corporation, New York, N. Y. Chemical composition. 423,728; Sept. 10; Serial No. 487,128; published June 18, 1946. Class 6.

General Phonograph Corporation, New York, N. Y., to Columbia Recording Corporation, Bridgeport, Conn. Radio receiving sets, variable couplers, radio head sets, etc. 215,560; renewed July 20, 1946. O. G. Sept. 10. Class 21.

Gimbel Brothers, Inc., Philadelphia, Pa., and Milwaukee, Wis., to Gimbel Brothers, Inc., New York, N. Y. Radio receiving sets. 211,856; renewed Apr. 20, 1946. O. G. Sept. 10. Class 21.

Goetz, M. K., Brewing Company, St. Louis, Mo. Malt extracts. 53,405; re-renewed June 5, 1946. O. G. Sept. 10. Class 46.

Golden Arrow Toiletries, New York, N. Y. Perfumes, toilet waters, eau de colognes, etc. 423,761; Sept. 10; Serial No. 490,815; published June 11, 1946. Class 6.

Golden West Estates, Inc., Santa Barbara, Calif. Fresh vegetables. 423,800; Sept. 10; Serial No. 493,004; published June 11, 1946. Class 46.

Goodrich, B. F., Chemical Company: *See*—
Goodrich, B. F., Company, The.

Goodrich, B. F., Company, The, doing business as B. F. Goodrich Chemical Company, a division of The B. F. Goodrich Company, Cleveland, Ohio. Organic chemical material. 423,905; Sept. 10. Class 6.

Gray, Ela: *See*—
Mergenthaler, Ela G.

Gregor Chocolates, Inc., New York, N. Y. Candy. 423,832; Sept. 10; Serial No. 494,556; published June 18, 1946. Class 46.

Griffith Laboratories, The: *See*—
Griffith Laboratories, Inc., The.

Griffith Laboratories, Inc., The, doing business as The Griffith Laboratories, Chicago, Ill. Insecticide. 423,839; Sept. 10; Serial No. 494,904; published June 11, 1946. Class 6.

Gromanco: *See*—
Grove, Edwin W., III.

Grove, Edwin W., III, doing business as Gromanco, St. Louis, Mo., assignor to Grove Manufacturing Company, Inc. Perambulators. 429,818; Sept. 10; Serial No. 493,953; published June 11, 1946. Class 19.

Grove Manufacturing Company, Inc.: *See*—
Grove, Edwin W., III.

Gulden, Charles, New York, N. Y., to Mawer-Gulden-Annis, Inc., Brooklyn, N. Y. Olives. 53,099; re-renewed May 29, 1946. O. G. Sept. 10. Class 46.

Gyro Process Company: *See*—
Chemical Research Syndicate, Ltd.

Haack Bros. Manufacturing Pharmacists, Inc., Portland, Oreg. Tablets containing certain drugs, etc. 423,784; Sept. 10; Serial No. 491,828; published June 4, 1946. Class 6.

Hale, E. M., and Company, Eau Claire, Wis. Periodical publication. 423,768; Sept. 10; Serial No. 491,202; published June 11, 1946. Class 38.

Halgreen, Inc., New York, N. Y. Watches and parts thereof. 423,889; Sept. 10. Class 27.

Haloid Company, The: *See*—
Rectigraph Company.

Hanford Manufacturing, G. C., Co., Syracuse, N. Y. Medical compounds. 51,073; re-renewed Apr. 3, 1946. O. G. Sept. 10. Class 6.

Hansen Glove Corporation, Milwaukee, Wis. Leather gloves. 423,739; Sept. 10; Serial No. 488,901; published June 18, 1946. Class 39.

Hanson & Van Winkle Co., The, Newark, N. J., New York, N. Y., and Chicago, Ill., to Hanson-Van Winkle-Munning Company, Matawan N. J. Nickel salts. 51,930; re-renewed Apr. 24, 1946. O. G. Sept. 10. Class 6.

Hanson-Van Winkle-Munning Company: *See*—
Hanson & Van Winkle Company.

Harriet Novelty Co., Inc., New York, N. Y. Ladies' and girls' hats. 423,761; Sept. 10; Serial No. 490,432; published June 18, 1946. Class 39.

Harris, P. E., & Co.: *See*—
Alaska Consolidated Canneries, Inc.

Harsac Handbag Studio, New York, N. Y. Ladies' handbags. 423,894; Sept. 10. Class 3.

Hart, E. J., & Co., Ltd., New Orleans, La. Remedies for stomach, intestinal, and bowel disorders. 52,250; re-renewed May 1, 1946. O. G. Sept. 10. Class 6.

Hart, E. J., & Co., Ltd., New Orleans, La. General tonic. 213,757; renewed June 1, 1946. O. G. Sept. 10. Class 6.

Harvey Features Syndicate, New York, N. Y. Humorous cartoon magazine. 423,792; Sept. 10; Serial No. 492,321; published June 11, 1946. Class 38.

Hearst Corporation, The: *See*—
King Features Syndicate, Inc.

Hearst Publications, Incorporated: *See*—
Post-Enquirer Publishing Company.

Heckethorn Manufacturing & Supply Co., Littleton, Colo. Flexible, combined nozzles and valves. 423,880; Sept. 10. Class 13.

Henkin, Martin, doing business as Ladi Lastics, New York, N. Y. Women's girdles. 423,756; Sept. 10; Serial Nos. 490,244–5; published June 18, 1946. Class 39.

Heroes All Company, Minneapolis, Minn. Magazine for children. 423,785; Sept. 10; Serial No. 491,830; published June 11, 1946. Class 38.

Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y., to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Safes. 54,710; re-renewed June 26, 1946. O. G. Sept. 10. Class 25.

Hess, Emerson E., Powell, Ohio. Weighing scales and balance indicators therefor. 423,895; Sept. 10. Class 26.

Heywood Boot & Shoe Company, Worcester, Mass. Leather boots and shoes. 55,071; re-renewed Aug. 7, 1946. O. G. Sept. 10. Class 39.

Heywood Boot & Shoe Company, Worcester, Mass. Leather shoes. 55,309; re-renewed Aug. 14, 1946. O. G. Sept. 10. Class 39.

Heywood Boot & Shoe Company, Worcester, Mass. Leather boots and shoes. 55,310; re-renewed Aug. 14, 1946. O. G. Sept. 10. Class 39.

Heywood Boot & Shoe Company, Worcester, Mass. Canvas and leather boots and shoes. 216,990; renewed Aug. 24, 1946. O. G. Sept. 10. Class 39.

Hickok Manufacturing Company, Rochester, N. Y. Face lotion, cologne, hair tonic, etc. 423,723; Sept. 10; Serial No. 486,201; published June 18, 1946. Class 6.

Hollingshead, R. M., Corporation, Camden, N. J. Insecticide repellent. 423,866; Sept. 10; Serial No. 497,096; published June 11, 1946. Class 6.

Horlick's Malted Milk Corporation, Racine, Wis. Food confection. 423,746; Sept. 10; Serial No. 489,218; published May 7, 1946. Class 46.

Horvath, Charles V., doing business as Charles V. Horvath Company and The Sparkle Sheen Company, South Bend, Ind. Hair rinse. 423,793; Sept. 10; Serial No. 492,397; published June 11, 1946. Class 6.

Horvath, Charles V., Company: *See*—
Horvath, Charles V.

House of Westmore, Inc., New York, N. Y. Deodorants. 423,743; Sept. 10; Serial No. 488,999; published June 18, 1946. Class 6.

Hudnut, Richard, New York, N. Y. Lipstick. 423,717; Sept. 10; Serial No. 485,219; published Oct. 30, 1945. Class 6.

Hulman & Company: *See*—
Hulman & Co.

Hulman & Co., to Hulman & Company, Terre Haute, Ind. Baking powder. 49,902; re-renewed Feb. 20, 1946. O. G. Sept. 10. Class 46.

Hyde Manufacturing Company, Southbridge, Mass. Certain named cutlery and tools and parts thereof. 216,281; renewed Aug. 10, 1946. O. G. Sept. 10. Class 23.

Ideal Corrugated Box Company, Parkersburg, W. Va. Fiber shipping cases, cartons and boxes. 218,951; renewed Oct. 5, 1946. O. G. Sept. 10. Class 2.

Impression Products, assignor to Impression Products, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. 423,769; Sept. 10; Serial No. 491,204; published June 11, 1946. Class 6.

Impression Products, Inc.: *See*—
Impression Products.

Independence Laboratories, Inc., Charlotte, N. C. Bubble forming solution. 423,835; Sept. 10; Serial No. 494,684; published June 18, 1946. Class 6.

Independent Directory Corp., Los Angeles, Calif., and New York, N. Y. Industrial classified telephone directory. 423,884; Sept. 10. Class 38.

Ingram, Frederick F., Detroit, Mich., to Bristol-Myers Company, New York, N. Y. Face creams. 52,177; re-renewed May 1, 1946. O. G. Sept. 10. Class 6.

International Shoe Company, St. Louis, Mo. Boots, shoes, and slippers. 423,709; Sept. 10; Serial No. 484,132; published June 18, 1946. Class 39.

Jack n' Jill, San Diego, Calif. Photographs. 423,724; Sept. 10; Serial No. 486,205; published June 18, 1946. Class 38.

Jackson, Thomas, & Son Co., The, Reading, Pa. Cordage. 423,899; Sept. 10. Class 7.

Janes Old Colony-Middlebury Clock, Trust, Beardstown, Ill. Clocks. 423,749; Sept. 10; Serial No. 489,464; published June 11, 1946. Class 27.

Jantzen Knitting Mills, Portland, Oreg. Swimming suits, trunks, sweaters, etc. 423,812; Sept. 10; Serial No. 493,491; published June 11, 1946. Class 39.

Johnson, Mead & Company, Evansville, Ind Enzymic digest of protein. 423,772; Sept. 10; Serial No. 491,421; published June 11, 1946. Class 6.

Kaplan, Jacob D., doing business as Remedex Laboratories, Union City, N. J. Preparation for the treatment of coughs and colds. 218,538; renewed Sept. 28, 1946. O. G. Sept. 10. Class 6.

Kaplan, Lazare, & Sons, Inc., New York, N. Y. Diamonds. 423,909; Sept. 10. Class 28.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 423,801; Sept. 10; Serial No. 493,015; published May 21, 1946. Class 21.

Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Instruction books. 423,718; Sept. 10; Serial No. 485,297; published June 4, 1946. Class 38.

King Features Syndicate, Inc., to The Hearst Corporation, New York, N. Y. Cartoons. 211,595; renewed Apr. 13, 1946. O. G. Sept. 10. Class 38.

Kinghill Laboratories: *See*—
Koenigsberger, Franz.

Klear-Vu Products Co., assignee: *See*—
Siegel, A. L., Co., Inc.

Knickerbocker Chocolate Company, New York, N. Y., to Dryden & Palmer, Inc., Long Island City, N. Y. Rock-candy and rock-candy syrups. 53,463; re-renewed June 5, 1946. O. G. Sept. 10. Class 46.

Koenigsberger, Franz, doing business as Kinghill Laboratories, New York, N. Y. Shampoo, bubble bath, insect powder, etc. 423,685; Sept. 10; Serial No. 476,770; published Mar. 6, 1945. Class 6.

Kraft Foods Company of Wisconsin: *See*—
Davis Bros. Cheese Co.
Pabst Corporation.

Ladi Lastics: *See*—
Henkin, Martin.

Lady Val Cake Company, Birmingham, Ala. Fruit cake. 423,733; Sept. 10; Serial No. 487,908; published June 18, 1946. Class 46.

Lamoureux, Raymond G., Inglewood, Calif. Liquid chemical preparation. 423,773; Sept. 10; Serial No. 491,485; published June 18, 1946. Class 6.

Lanselle Parfumeur (S. A. R. L.), Paris, France. Perfumes, toilet waters, rouge, etc. 423,788; Sept. 10; Serial Nos. 492,143–4; published June 4, 1946. Class 6.

Lanselle Parfumeur (S. A. R. L.), Paris, France. Perfumes, toilet waters, rouge, etc. 423,790; Sept. 10; Serial No. 492,145; published June 18, 1946. Class 6.

Larkin, Peter C., Boston, Mass., and Toronto, Ontario, Canada, to Salada Tea Company, Boston, Mass. Tea. 28,962; re-renewed Oct. 6, 1946. O. G. Sept. 10. Class 46.

La Salle Company, The, St. Paul, Minn., assignor to La Salle Products, Inc., to Bristol-Myers Company, New York, N. Y. Perfumes, toilet waters, face creams, etc. 213,754; renewed June 1, 1946. O. G. Sept. 10. Class 6.

La Salle Products, Inc.: *See*—
La Salle Company, The.

Lay & Borges, New York, N. Y. Imitation pearl necklaces, earrings, and bracelets. 423,819; Sept. 10; Serial No. 494,083; published June 11, 1946. Class 28.

Lederle Laboratories, Inc., New York, N. Y. Veterinary flea and louse powder. 423,869; Sept. 10; Serial No. 497,485; published June 4, 1946. Class 6.

Lees, James, and Sons Company, Bridgeport, Pa. Skeins of yarns. 218,292; renewed Sept. 21, 1946. O. G. Sept. 10. Class 43.

Leigh Chemist, Inc., New York, N. Y., to Shulton, Inc., New York, N. Y., and Hoboken, N. J. Face powders, toilet waters, rouges, etc. 219,122; renewed Oct. 12, 1946. O. G. Sept. 10. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 423,804; Sept. 10; Serial No. 493,200; published June 11, 1946. Class 6.

Lesiak, Casimer A., doing business as The Lexino Co., Scranton, Pa. Preparation for the treatment of coughs due to colds, etc. 423,816; Sept. 10; Serial No. 493,926; published June 4, 1946. Class 6.

Les Parfums de Dana, Inc., New York, N. Y. Toilet preparations, perfumery, and cosmetics. 423,843; Sept. 10; Serial No. 495,045; published June 18, 1946. Class 6.

Levy, Michael, New York, N. Y. Finger rings and finger-ring mountings. 219,299; renewed Oct. 12, 1946. O. G. Sept. 10. Class 28.

Lewis & Company: *See*—
Silverman, Louis L.

Lexino Co., The: *See*—
Lesiak, Casimer A.

Liebmann Breweries, Inc., Brooklyn, N. Y. Malt beverage. 217,561; renewed Sept. 7, 1946. O. G. Sept. 10. Class 48.

Liema Watch Agency, Inc., New York, N. Y. Watches and watch cases. 423,854; Sept. 10; Serial No. 495,896; published June 18, 1946. Class 27.

Liquid Carbonic Corporation, The, Chicago, Ill. Carbon dioxide. 423,771; Sept. 10; Serial No. 491,346; published June 11, 1946. Class 6.

Lizotte, Edward J., Liberty, N. Y. Exterminator of rats and mice. 423,817; Sept. 10; Serial No. 493,927; published June 18, 1946. Class 6.

Lower, I., doing business as Lower's Pharmacy, Marion, Ohio. Insecticides. 423,782; Sept. 10; Serial No. 491,720; published June 11, 1946. Class 6.

Lower's Pharmacy: *See*—
Lower, I.

Luden's, Inc.: *See*—
Brandle & Smith Co.

Macia Corporation, Holyoke, Mass. Liquid inhalant. 423,893; Sept. 10. Class 6.

Magnolia State Publishing Company, Jackson, Miss. Periodical published from time to time. 423,892; Sept. 10. Class 38.

Mansur, Robert S., Pasadena, Calif. Non-alcoholic, non-cereal, maltless beverages. 423,729; Sept. 10; Serial No. 487,138; published June 18, 1946. Class 45.

Marine Decking & Supply Co., Philadelphia, Pa., to Oakite Products, Inc., New York, N. Y. Composition flooring. 218,502; renewed Sept. 28, 1946. O. G. Sept. 10. Class 12.

Martens, Otto, doing business as O. M. Sales Co., Chicago, Ill. Menthol stick. 423,851; Sept. 10; Serial No. 495,678; published June 18, 1946. Class 6.

Mawer-Gulden-Annis, Inc.: *See*—
Gulden, Charles.

Maxson Food Systems, Inc., assignee: *See*—
Maxson, W. L., Corporation, The.

Maxson, W. L., Corporation, The, New York, N. Y., assignor to Maxson Food Systems, Inc. Prepared meals, consisting of meats, vegetables, stews, etc. 423,703; Sept. 10; Serial No. 482,685; published Oct. 30, 1945. Class 46.

May, Jerome F., Asbury Park, N. J. Perfume, toilet water, eau de cologne, etc. 423,686; Sept. 10; Serial No. 477,026; published Apr. 10, 1945. Class 6.

McCormick, J. S., Company, The, Pittsburgh, Pa. Foundry facings or blacking. 51,845; re-renewed Apr. 24, 1946. O. G. Sept. 10. Class 1.

McCormick, J. S., Company, The, Pittsburgh, Pa. Foundry facings or blacking. 51,892; re-renewed Apr. 24, 1946. O. G. Sept. 10. Class 1.

McKesson & Robbins, Incorporated, New York, N. Y. Antiseptic suntan lotion. 423,847; Sept. 10; Serial No. 495,179; published June 11, 1946. Class 6.

Mergenthaler, Ela G., also doing business as Ela Gray and Ro-Sae-La, Manhattan Beach, Calif. Preparation for external application to the skin, etc. 423,855; Sept. 10; Serial No. 495,902; published June 4, 1946. Class 6.

Mer-O-Ree, Incorporated, Bethesda, Md. Fungicide for addition to a varnish, paint or lacquer. 423,688; Sept. 10; Serial No. 478,686; published June 5, 1945. Class 6.

Meyer & Studeli, S. A., Soleure, Switzerland. Watches, watch parts, and watch movements. 423,820; Sept. 10; Serial No. 494,098; published June 18, 1946. Class 27.

Meyer & Studeli, S. A., Soleure, Switzerland. Watches, watch parts, and watch movements. 423,821; Sept. 10; Serial No. 494,099; published June 11, 1946. Class 27.

Michels, Peter J., to Peter J. Michels, Inc., Brooklyn, N. Y. Electric hair driers. 218,921; renewed Oct. 5, 1946. O. G. Sept. 10. Class 21.

Michels, Peter J., Inc.: *See*—
Michels, Peter J.

Miller Lock Company, Frankford, Philadelphia, Pa., to The Yale & Towne Manufacturing Company, New York, N. Y. Locks, padlocks, and keys. 56,636; re-renewed Oct. 9, 1946. O. G. Sept. 10. Class 25.

Milliken, John T., & Company, St. Louis, Mo., to Abbott Laboratories, North Chicago, Ill. Medicinal preparation. 218,391; renewed Sept. 28, 1946. O. G. Sept. 10. Class 6.

Milton Publishing Co., Inc., Cambridge, Mass. Magazine. 423,811; Sept. 10; Serial No. 493,381; published June 11, 1946. Class 38.

Minard Company: *See*—
Minards' Liniment Manufacturing Company.

Minards' Liniment Manufacturing Company, Framingham and Boston, to Minard Company, Framingham, Mass. Liniment. 52,210; re-renewed May 1, 1946. O. G. Sept. 10. Class 6.

Missouri Welfare League, St. Louis, Mo. Publications. 423,774; Sept. 10; Serial No. 491,491; published June 11, 1946. Class 38.

Moore, Edward J., Sons, Inc., doing business as Sanger & Co., Long Island City, N. Y. Antiseptic ointment for itching and inflamed piles, etc. 423,798; Sept. 10; Serial No. 492,937; published June 4, 1946. Class 6.

Moran, R. J., Co., Boston, Mass. Sedative. 423,858; Sept. 10; Serial No. 496,259; published June 11, 1946. Class 6.

Mor-Pak Preserving Company, Fresno, to Mor-Pak Preserving Corporation, San Francisco, Calif. Preserved and canned fruits. 209,387; renewed Feb. 23, 1946. O. G. Sept. 10. Class 46.

Mor-Pak Preserving Corporation: *See*—
Mor-Pak Preserving Company.

Müller, F. W., Sons, to Arlington Carbonated Beverage Co., Arlington Heights, Ill. Carbonated, nonalcholic, noncereal, maltless beverages. 216,015; renewed Aug. 3, 1946. O. G. Sept. 10. Class 45.

Myrurgia, S. A., Barcelona, Spain. Perfumes, toilet creams, eau de cologne, etc. 423,885; Sept. 10. Class 6.

National Chemical & Metal Company, also doing business as Carnegie Chemical Mfg. Co., Los Angeles, Calif. Insect spray. 423,845–6; Sept. 10; Serial Nos. 495,148–9; published June 18, 1946. Class 6.

National Chemical & Metal Company, also doing business as Carnegie Chemical Mfg. Co., Los Angeles, Calif. Moth spray. 423,868; Sept. 10; Serial No. 497,187; published June 18, 1946. Class 6.

National Distillers Products Corporation: *See*—
Rosenfield Bros. & Co.

National Distributors of Hollywood: *See*—
Casselman, Ethel.

National Glove Company, The, Columbus, Ohio. Leather, cotton, and leather and cotton work gloves. 423,775; Sept. 10; Serial No. 491,496; published June 18, 1946. Class 39.

National Lead Company, New York, N. Y. Lead oxides, mixtures of lead oxides, and metallic lead. 423,844; Sept. 10; Serial No. 495,087; published June 18, 1946. Class 6.

National Roll & Foundry Company, The, Borough of Avonmore, Pa. House organ. 423,710; Sept. 10; Serial No. 484,314; published Mar. 19, 1946. Class 38.

Negro Digest Publishing Co., Inc., Chicago, Ill. Periodical publication. 423,815; Sept. 10; Serial No. 493,806; published June 11, 1946. Class 38.

New England Advertising Inc., Boston, Mass. Plastic letters. 423,704; Sept. 10; Serial No. 482,757; published June 11, 1946. Class 50.

Newport Rolling Mill Co., Newport, Ky. Certain named materials. 218,427; renewed Sept. 28, 1946. O. G. Sept. 10. Class 12.

New York Insulater Wire Company, New York, N. Y., to Plymouth Rubber Company, Inc., Canton, Mass. Insulated wire and adhesive tapes. 52,337; re-renewed May 8, 1946. O. G. Sept. 10. Class 21.

North American Metaline Co., to R. W. Rhoades Metaline Co., Inc., Long Island City, N. Y. Metal bearings, bushings, and journals. 51,247; re-renewed Apr. 10, 1946. O. G. Sept. 10. Class 23.

Northern Paper Mills, Green Bay, Wis. Paper products. 423,741; Sept. 10; Serial No. 488,944; published May 14, 1946. Class 37.

O. M. Sales Co.: *See*—
Martens, Otto.

Oakite Products, Inc.: *See*—
Marine Decking & Supply Co.

Ohio Leather Company, The, Girard, Ohio. Leather. 423,897; Sept. 10. Class 1.

Oliver, E. L.: *See*—
Oliver, Emilia L.

Oliver, Emilia L., doing business as E. L. Oliver, Nogales, Ariz. Fresh vegetables. 423,862; Sept. 10; Serial No. 496,728; published June 18, 1946. Class 46.

Oshkosh Trunk Company, The, to Oshkosh Trunks and Luggage, Oshkosh, Wis. Wardrobe trunks, dress trunks, cabin or steamer trunks, etc. 214,178; renewed June 15, 1946. O. G. Sept. 10. Class 3.

Oshkosh Trunks and Luggage: *See*—
Oshkosh Trunk Company, The.

Pabst Corporation, Milwaukee, Wis., to Kraft Foods Company of Wisconsin, Green Bay, Wis. Food product similar to cheese. 213,953; renewed June 8, 1946. O. G. Sept. 10. Class 46.

Pabst Corporation, Milwaukee, Wis., to Kraft Foods Company of Wisconsin, Green Bay, Wis. Cheese preparation. 217,630; renewed Sept. 7, 1946. O. G. Sept. 10. Class 46.

Palm, Arnold, doing business as Palm Pharmacal Co., New York, N. Y. Thyroid-choline-thiamine preparation. 423,890; Sept. 10. Class 6.

Palm Pharmacal Co.: *See*—
Palm, Arnold.

Parfum L'Orle, Inc., New York, N. Y. Perfumes and toilet waters. 423,827–8; Sept. 10; Serial Nos. 494,516–17; published June 11, 1946. Class 6.

Parfum L'Orle, Inc., New York, N. Y. Perfumes and toilet waters. 423,829; Sept. 10; Serial No. 494,519; published June 11, 1946. Class 6.

Parke, Davis & Company: *See*—
Parke Davis & Co.

Parke Davis & Co., Detroit, Mich., and New York, N. Y., to Parke, Davis & Company, Detroit, Mich. Hemostatic, satringent, blood-pressure raising and stimulating preparations. 53,934; re-renewed June 12, 1946. O. G. Sept. 10. Class 6.

Patterson-Sargent Company, The, Cleveland, Ohio. Carbon paints. 51,407; re-renewed Apr. 17, 1946. O. G. Sept. 10. Class 16.

Peterson, Henry, doing business as Feature Ring Co., New York, N. Y. Ornamental jewelry. 423,833; Sept. 10; Serial No. 494,628; published June 18, 1946. Class 28.

Pierce, F. O., Company, Long Island City, N. Y. Red paint. 51,967; re-renewed May 1, 1946. O. G. Sept. 10. Class 16.

Pierre, Dr., Chemical Company: *See*—
Pierre, Dr., Chemical Co.

Pierre, Dr., Chemical Co., to Dr. Pierre Chemical Company, Chicago, Ill. Suppositories. 215,128; renewed July 13, 1946. O. G. Sept. 10. Class 6.

Pinex Co., The, Fort Wayne, Ind. Cough syrup, chest rub, laxative, etc. 423,766; Sept. 10; Serial No. 491,028; published June 18, 1946. Class 6.

Pittsburgh Water Heater Company, to The Pittsburgh Water Heater Corporation, Pittsburgh, Pa. Gas hot-water heaters and gas hot-water-storage systems. 211,404; renewed Apr. 13, 1946. O. G. Sept. 10. Class 34.

Pittsburgh Water Heater Corporation, The: *See*—
Pittsburgh Water Heater Company.

Plymouth Rubber Company, Inc.: *See*—
New York Insulated Wire Company.

Polaroid Corporation, Cambridge, Mass. Sodium chloride, photographic fixing baths and fixing bath replenishers, etc. 423,776; Sept. 10; Serial No. 491,502; published June 18, 1946. Class 6.

Polk Miller Products Corporation, Richmond, Va. Dog soap. 218,757; renewed Oct. 5, 1946. O. G. Sept. 10. Class 4.

Poor & Company, Chicago, Ill. Chemical materials and compositions. 423,763; Sept. 10; Serial No. 490,766; published June 18, 1946. Class 6.

Post-Enquirer Publishing Company, The, Oakland, to Hearst Publications, Incorporated, San Francisco, Calif. Daily newspaper. 218,917; renewed Oct. 5, 1946. O. G. Sept. 10. Class 38.

Pray, Dr. J. Parker, Company, Limited, New York, N. Y., to J. Parker Pray, Inc., Stamford, Conn. Cosmetics for tinting the finger-nails, lips, and cheeks. 56,749; re-renewed Oct. 16, 1946. O. G. Sept. 10. Class 6.

Pray, J. Parker, Inc.: *See*—
Pray, Dr. J. Parker, Company, Limited.

Proco-Sol Chemical Co., Inc., Philadelphia, Pa. Surface anaesthetic. 423,694; Sept. 10; Serial No. 480,621; published June 11, 1946. Class 6.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Molded milk caps. 423,702; Sept. 10; Serial No. 482,589; published June 18, 1946. Class 50.

Publishers Digest, Chicago, Ill. Publication. 423,752; Sept. 10; Serial No. 489,530; published May 28, 1946. Class 38.

Puritan Preserve Company, to Puritan Preserve Company, San Francisco, Calif. Mincemeat, honey, and peanut butter. 217,972; renewed Sept. 14, 1946. O. G. Sept. 10. Class 46.

Quaker Oats Company, The, Chicago, Ill. Semi-monthly periodical of interest to dog fanciers. 423,765; Sept. 10; Serial No. 490,855; published June 18, 1946. Class 38.

Rabin Company, The, Los Angeles, Calif. Toilet preparations. 423,861; Sept. 10; Serial No. 496,923; published June 4, 1946. Class 6.

Radelle Lingerie Corporation: *See*—
Sussberg, Victor L.

Rahtjen's American Composition Company, to Red Hand Compositions Company, Inc., New York, N. Y. Anticorrosive and antifouling paint. 55,908; re-renewed Aug. 21, 1946. O. G. Sept. 10. Class 16.

Ralston Purina Company: *See*—
Denver Alfalfa Milling & Products Co., The.

Rawls Delicious Foods, Inc.: *See*—
Crystal Candy Company.

Rectigraph Company, to The Haloid Company, Rochester, N. Y. Photographic developing and fixing chemicals. 218,544; renewed Sept. 28, 1946. O. G. Sept. 10. Class 6.

Rectigraph Company, to The Haloid Company, Rochester, N. Y. Cameras, photographic developing apparatus, photographic paper and film. 218,964; renewed Oct. 5, 1946. O. G. Sept. 10. Class 26.

Red Diamond Clothing Company, St. Louis, Mo. Overalls, coats, and trousers. 51,154; re-renewed Apr. 3, 1946. O. G. Sept. 10. Class 39.

Red Hand Compositions Company, Inc.: *See*—
Rahtjen's American Composition Company.

Red Top Brewing Company: *See*—
Red Top Malt Extract Company, The.

Red Top Malt Extract Company, The, to Red Top Brewing Company, Cincinnati, Ohio. Malt and hop sirup. 218,250; renewed Sept. 21, 1946. O. G. Sept. 10. Class 46.

Reed, John E., doing business as Susan's, Los Angeles, Calif. Photographic portraits. 423,777; Sept. 10; Serial No. 491,509; published June 11, 1946. Class 38.

Reed, John E., doing business as Susan's Baby Studios, Los Angeles, Calif. Photographic portraits. 423,778; Sept. 10; Serial No. 491,510; published June 11, 1946. Class 38.

Reed, John E., doing business as Susan's of Hollywood, Los Angeles, Calif. Photographic portraits. 423,779; Sept. 10; Serial No. 491,511; published June 11, 1946. Class 38.

Remedex Laboratories: *See*—
Kaplan, Jacob D.

Reproducta, Inc., New York, N. Y. Greeting cards. 423,720; Sept. 10; Serial No. 485,964; published June 4, 1946. Class 38.

Rex Research Corporation: *See*—
Toledo Rex Spray Company, The.

Rhoades, R. W., Metaline Co., Inc.: *See*—
North American Metaline Co.

Rice & Hutchins, Incorporated, assignors to Rice and Hutchins, Incorporated, to The Educator Shoe Corporation of America, New York, N. Y. Leather boots and shoes. 52,000; re-renewed May 1, 1946. O. G. Sept. 10. Classes 1 and 39.

Rice & Hutchins, Incorporated, Boston, Mass., assignors to Rice & Hutchins, Incorporated, to The Educator Shoe Corporation of America, New York, N. Y. Rubber boots and shoes. 54,525; re-renewed June 26, 1946. O. G. Sept. 10. Class 39.

Richardson Corporation, Rochester, N. Y. Concentrated soda fountain syrup. 423,902; Sept. 10. Class 45.

Rinshed-Mason Co., Detroit, Mich. Varnish products. 213,814; renewed June 8, 1946. O. G. Sept. 10. Class 16.

Rockland-Rockport Lime Co. Inc.: *See*—
Rockland & Rockport Lime Corporation.

Rockland & Rockport Lime Corporation, to Rockland-Rockport Lime Co. Inc., Rockland, Maine. Hydrated line. 217,504; renewed Aug. 31, 1946. O. G. Sept. 10. Class 12.

Roma Wine Company, New York, N. Y., and Fresno, Calif. Brandy. 423,687; Sept. 10; Serial No. 477,625; published June 18, 1946. Class 49.

Ro-Sae-La: *See*—
Mergenthaler, Ela G.

Rosenfield Bros. & Co., Chicago, Ill., to National Distillers Products Corporation, New York, N. Y. Whisky. 56,466; re-renewed Sept. 25, 1946. O. G. Sept. 10. Class 49.

Royal Textile Co., Boston, Mass. Pile fabric piece goods. 423,678; Sept. 10; Serial No. 468,738; published Oct. 31, 1944. Class 42.

Salada Tea Company: *See*—
Larkin, Peter C.

Sandoz Chemical Works, Inc.: *See*—
Chemical Works.

Sanger & Co.: *See*—
Moore, Edward J., Sons, Inc.

Schratz Products, Detroit, Mich. Gelatin capsules. 423,721; Sept. 10; Serial No. 486,070; published June 11, 1946. Class 6.

Schwabacher Bros. & Co., Inc., Seattle, Wash. Brooms, painters' brushes, household sweeping brushes, etc. 214,220; renewed June 15, 1946. O. G. Sept. 10. Class 29.

Schwabacher Bros. & Co., Inc., Seattle, Wash. Canned vegetables, fruits, berries, etc. 217,587; renewed Sept. 7, 1946. O. G. Sept. 10. Class 46.

Schwabacher Bros. & Co., Inc., Seattle, Wash. Certain food-flavoring extracts and spices; and tea and coffee. 217,777; renewed Sept. 7, 1946. O. G. Sept. 10. Class 46.

Scott, J. W., doing business as State Line Milling Company, Kiowa, Kans. Wheat flour and graham flour. 218,472; renewed Sept. 28, 1946. O. G. Sept. 10. Class 46.

Scovill Manufacturing Company: *See*—
American Pin Company, The.

Sea Foam Products Company: *See*—
Fandrei, F. J.

Security Manufacturing Company, Kansas City, Mo. Gas fired water heaters. 423,876; Sept. 10. Class 34.

Serv-el Corporation, Evansville, Ind., to Servel, Inc., New York, N. Y. Electric refrigerators, refrigerator parts, refrigerator systems, etc. 215,805; renewed July 27, 1946. O. G. Sept. 10. Class 31.

Servel, Inc.: *See*—
Serv-el Corporation.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Ointment. 423,712; Sept. 10; Serial No. 484,370; published Nov. 20, 1945. Class 6.

Shifren, Isaac, doing business as Stetson Watch Company, Philadelphia, Pa. Watches, watch cases, watch parts, etc. 423,673; Sept. 10; Serial No. 397,955; published Nov. 30, 1937. Class 27.

Shrode-Nelson Produce Co., Goleta, Calif. Fresh vegetables. 423,807; Sept. 10; Serial No. 493,292; published June 11, 1946. Class 46.

Shulton, Inc: *See*—
Leigh Chemist, Inc.

Siegel, A. L., Co., Inc., assignor to Klear-Vu Products Co., Newark, N. J. Transparent article protective covers. 423,691; Sept. 10; Serial No. 480,197; published June 11, 1946. Class 50.

Sigma Nu Phi Fraternity (Legal), Washington, D. C. Fraternity badges, lapel buttons, scarf, lapel, and breast pins, etc. 210,527; renewed Mar. 16, 1946. O. G. Sept. 10. Class 28.

Silverman, Louis L., doing business as Lewis & Company, Providence, R. I. Compacts, cigarette cases and lighters. 423,740; Sept. 10; Serial No. 488,936; published June 11, 1946. Class 28.

Simplex Time Recorder Co., Gardner, Mass. Employees' time recorders and watchmen's recorders. 218,943; renewed Oct. 5, 1946. O. G. Sept. 10. Class 27.

Simpson, John F., doing business as French Chemical Company, Washington, D. C. Cold tablets. 423,823; Sept. 10; Serial No. 494,241; published June 11, 1946. Class 6.

Sinko Tool & Manufacturing Company, Chicago, Ill. Automotive specialties. 423,875; Sept. 10. Class 19.

Smith-Dorsey Company, The, Lincoln, Nebr. Analgesic ointments. 423,837; Sept. 10; Serial No. 494,870; published June 18, 1946. Class 6.

Sociedad Industrial Pesquera De Tarapaca S. A., Santiago, Chile. Canned fish and canned shellfish. 423,881; Sept. 10. Class 46.

Société "Coupès," Société À Responsabilité Limitée, Paris, France. Dentifrice in powder and paste form. 423,738; Sept. 10; Serial No. 488,836; published June 4, 1946. Class 6.

Sonneborn, L., Sons, Inc., New York, N. Y. U. S. P. mineral white mineral oil. 423,715; Sept. 10; Serial No. 485,163; published Dec. 4, 1945. Class 6.

Sonneborn, L., Sons, Inc., New York, N. Y. U. S. P. light medicinal white mineral oil. 423,716; Sept. 10; Serial No. 485,170; published Dec. 4, 1945. Class 6.

Southern Biscuit Company, Incorporated: *See*—
Southern Biscuit Works.

Southern Biscuit Works, to Southern Biscuit Company, Incorporated, Richmond, Va. Cakes and crackers. 219,096; renewed Oct. 12, 1946. O. G. Sept. 10. Class 46.

Southern States Iron Roofing Company, Savannah, Ga. Asphalt roofing. 423,910; Sept. 10. Class 12.

Sparkle Sheen Company, The: *See*—
Horvath, Charles V.

Sprouse, V. E., Company, Columbus, Ind. Automotive heaters, and blowers. 423,886; Sept. 10. Class 34.

Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. 423,690; Sept. 10; Serial No. 480,092; published June 4, 1946. Class 6.

Staley, A. E., Manufacturing Company, Decatur, Ill. Laundry starch. 423,760; Sept. 10; Serial No. 490,339; published June 4, 1946. Class 6.

Standard Cap and Seal Corporation, Chicago, Ill. Laminated paper closures. 423,747; Sept. 10; Serial No. 489,291; published June 11, 1946. Class 50.

Standard Diary Company, The, Cambridge, Mass. Diaries. 216,530; renewed Aug. 10, 1946. O. G. Sept. 10. Class 37.

State Line Milling Company: *See*—
Scott, J. W.

Stetson Watch Company: *See*—
Shifren, Isaac.

Stimson, Jonathan C., doing business as Stimson Reflector Company, St. Louis, Mo., to American Gas Accumulator Company, Elizabeth, N. J. Glass light reflectors. 205,744; renewed Nov. 17, 1945. O. G. Sept. 10. Class 34.

Stimson Reflector Company: *See*—
Stimson, Jonathan C.
Stollenwerk Winery, Inc., Egg Harbor City, N. J. Wine. 423,822; Sept. 10; Serial No. 494,138; published June 4, 1946. Class 47.
Strauss, Louis B., Manhattan Beach, N. Y. Men's and women's sweaters, suits, scarfs, and hosiery. 423,677; Sept. 10; Serial No. 468,642; published June 18, 1946. Class 39.
Strohmeyer & Arpe Company, New York, N. Y. Corrugated-pasteboard boxes. 218,867; renewed Oct. 5, 1946. O. G. Sept. 10. Class 2.
Sun Oil Company, Philadelphia, Pa. Radiator stop leak compound, chemical radiator cleaner, chemical radiator rust resistor, etc. 423,859; Sept. 10; Serial No. 496,347; published June 4, 1946. Class 6.
Susan's: *See*—
Reed, John E.
Susan's Baby Studios: *See*—
Reed, John E.
Susan's of Hollywood: *See*—
Reed, John E.
Sussberg, Victor L., doing business as The Wellmade Petticoat Co., New York, to Radelle Lingerie Corporation, Astoria, L. I., N. Y. Silk petticoats, slips, and bloomers. 216,361; renewed Aug. 10, 1946. O. G. Sept. 10. Class 39.
Swift & Company, Chicago, Ill. Dried bones. 216,536; renewed Aug. 10, 1946. O. G. Sept. 10. Class 1.
Syracuse Ornamental Co., Syracuse, N. Y. Religious and gift statues, statuettes, artificial flowers, etc. 423,705; Sept. 10; Serial No. 483,246; published June 11, 1946. Class 50.
Tech Laboratories: *See*—
Bjorndal, Magnus.
Telecasting Publications, Inc., New York, N. Y. Monthly publication. 423,802; Sept. 10; Serial No. 493,081; published June 11, 1946. Class 38.
Texas Citrus Fruit Growers Exchange, Mission, Tex. Fresh citrus fruits. 216,572; renewed Aug. 17, 1946. O. G. Sept. 10. Class 46.
Texas Citrus Fruit Growers Exchange, Mission, Tex. Grapefruit and orange juices. 217,368; renewed Aug. 31, 1946. O. G. Sept. 10. Class 46.
Theonett & Co., Chicago, Ill. Ice cream and frozen confections. 218,237; renewed Sept. 21, 1946. O. G. Sept. 10. Class 46.
Tidewater Engineering Company: *See*—
Babson Brothers.
Toledo Rex Spray Company, The, to Rex Research Corporation, to Rex Research Corporation, Toledo, Ohio. Insecticide. 218,040; renewed Sept. 21, 1946. O. G. Sept. 10. Class 6.
Tolman Laboratories: *See*—
Tolman, Mildred G.
Tolman, Mildred G., doing business as Tolman Laboratories, Springfield, Mass. Liniment and salve. 423,805; Sept. 10; Serial No. 493,228; published June 18, 1946. Class 6.
Trail Metal Products Co., Inc., Miami, Fla. Wrist watch bands. 423,849; Sept. 10; Serial No. 495,424; published June 11, 1946. Class 28.
Trail Metal Products Co., Inc., Miami, Fla. Wrist watch bands. 423,850; Sept. 10; Serial No. 495,426; published June 11, 1946. Class 28.
Triangle Package Machinery Company, Chicago, Ill., assignor to Triangle Package Machinery Company. Automatic weighers. 423,711; Sept. 10; Serial No. 482,771; published June 18, 1946. Class 26.
Truax, J. P., Inc., Rochester, N. Y. Flavoring preparations. 423,748; Sept. 10; Serial No. 489,371; published June 18, 1946. Class 45.
Udylite Corporation, The: *See*—
Udylite Process Company.
Udylite Process Company, Kokomo, Ind., to The Udylite Corporation, Detroit, Mich. Materials for cadmium salts. 219,266; renewed Oct. 12, 1946. O. G. Sept. 10. Class 6.
Unique Fibers, Inc., New York, N. Y. Non-pile piece goods. 423,714; Sept. 10; Serial No. 484,919; published May 28, 1946. Class 42.
Universal Drug Products, Inc., Cleveland, Ohio. Compound usable as a liniment and an inhalant. 423,707; Sept. 10; Serial No. 483,291; published June 11, 1946. Class 6.
Universal Drug Products, Inc., Cleveland, Ohio. Medicated foot powder, liquid corn remover, and ointment. 423,708; Sept. 10; Serial No. 483,292; published June 11, 1946. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 423,726; Sept. 10; Serial No. 486,441; published Nov. 27, 1945. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 423,860; Sept. 10; Serial No. 496,586; published June 11, 1946. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 423,867; Sept. 10; Serial No. 497,145; published June 18, 1946. Class 6.
Van Dell Co., Providence, R. I. Ladies' jewelry. 423,676; Sept. 10; Serial No. 465,162; published June 11, 1946. Class 28.
Victor Insulators, Inc., Victor, N. Y. China dinnerware. 423,908; Sept. 10. Class 30.
Victorlite Industries, Los Angeles, Calif. Still picture projecting machines. 423,680; Sept. 10; Serial No. 473,078; published July 24, 1945. Class 26.
Vital Foods Corporation, Evanston, Ill. Medicinal preparation. 423,836; Sept. 10; Serial No. 494,727; published June 11, 1946. Class 6.
Vitamins & Pharmaceuticals, Inc., Dover, Del. Medicinal preparation. 423,863; Sept. 10; Serial No. 496,936; published June 11, 1946. Class 6.
Vitamins & Pharmaceuticals, Inc., Dover, Del. Medicinal preparation. 423,871; Sept. 10; Serial No. 497,585; published June 11, 1946. Class 6.
Vitamix Corporation, Brooklyn, N. Y. Pharmaceutical preparation. 423,791; Sept. 10; Serial No. 492,297; published June 11, 1946. Class 6.
Waldron & Company, Inc., Philadelphia, Pa. Fingerrings, precious stones and mountings therefor. 423,730; Sept. 10; Serial No. 487,152; published June 11, 1946. Class 28.
Ware Bros. Company, Philadelphia, Pa. Trade-journals. 54,839; re-renewed July 31, 1946. O. G. Sept. 10. Class 38.
Ware Bros. Company, Philadelphia, Pa. Trade journal. 211,616; renewed Apr. 13, 1946. O. G. Sept. 10. Class 38.
Warwick Manufacturing Corporation, Chicago, Ill. Monthly news letters. 423,799; Sept. 10; Serial No. 492,976; published June 11, 1946. Class 38.
Watchemoket Optical Co. Inc., Providence, R. I. Sleep masks. 423,806; Sept. 10; Serial No. 493,233; published June 18, 1946. Class 39.
Waverly Petroleum Products Company, Philadelphia, Pa. Chemical composition for removing rust scale and tarnish from metals. 423,731; Sept. 10; Serial No. 487,878; published June 4, 1946. Class 6.
Waverly Petroleum Products Company, Philadelphia, Pa. Additive for pickling baths. 423,755; Sept. 10; Serial No. 490,092; published June 18, 1946. Class 6.
Wayne Knitting Mills, Fort Wayne, Ind. Hosiery. 56,097; re-renewed Aug. 21, 1946. O. G. Sept. 10. Class 39.
Weinreich Brothers Co.: *See*—
Weinreich, Sol E.
Weinreich, Sol E., doing business as Weinreich Brothers Co., New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. 243,787; Sept. 10; Serial No. 492,012; published June 18, 1946. Class 28.
Weisbrod, M.: *See*—
Weisbrod, Morris.
Weisbrod, Morris, doing business as M. Weisbrod, New York, N. Y. Watches. 423,732; Sept. 10; Serial No. 487,879; published Jan. 1, 1946. Class 27.
Wellmade Petticoat Co., The: *See*—
Sussberg, Victor L.
Wennerstrom and Associates: *See*—
Wennerstrom, G. L.
Wennerstrom, G. L., doing business as Wennerstrom and Associates, Kansas City, Mo. Trade publication. 423,786; Sept. 10; Serial No. 491,904; published June 11, 1946. Class 38.
Whitehall Pharmacal Company, New York, N. Y. Eye drops. 423,856; Sept. 10; Serial No. 496,055; published June 11, 1946. Class 6.
Winthrop Chemical Company, Inc., New York, N. Y. Multivitamin preparations. 423,719; Sept. 10; Serial No. 485,740; published Nov. 6, 1945. Class 6.
Wolff Shirt Company, New York, N. Y. Men's and boys' sweaters, sport shirts, hose, etc. 423,734; Sept. 10; Serial No. 487,026; published June 18, 1946. Class 39.
Wolff Tober Shoe Manufacturing Company, St. Louis, Mo. Ladies' and misses' shoes, slippers, pumps, etc. 213,285; renewed May 25, 1946. O. G. Sept. 10. Class 39.
Wolozin, M.: *See*—
Wolozin, M., Inc.
Wolozin, M., Inc., to M. Wolozin, New York, N. Y. Prayer shawls. 218,460; renewed Sept. 28, 1946. O. G. Sept. 10. Class 39.
Woolfolk Chemical Works, Ltd.: *See*—
Woolfolk, J. W., Company, Inc., The.
Woolfolk, J. W., Company, Inc., The, to Woolfolk Chemical Works, Ltd. Sulphur. 216,506; renewed Aug. 10, 1946. O. G. Sept. 10. Class 6.
Worumbo Manufacturing Company, Bath, to Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. 218,171; renewed Sept. 21, 1946. O. G. Sept. 10. Class 42.
Wyeth Incorporated, Philadelphia, Pa. Penicillin. 423,870; Sept. 10; Serial No. 497,519; published June 4, 1946. Class 6.
Yale & Towne Manufacturing Company, The: *See*—
Miller Lock Company.
Yale & Towne Manufacturing Company, The, Stamford, Conn., to The Yale & Towne Manufacturing Company, New York, N. Y. Locks. 217,217; renewed Oct. 12, 1946. O. G. Sept. 10. Class 25.
York Pharmacal Company, St. Louis, Mo. Liquid insecticide. 423,803; Sept. 10; Serial No. 493,093; published June 4, 1946. Class 6.
Zeuzius, Matthew J., Los Angeles, Calif. Certain fresh fruits and vegetables. 217,603; renewed Sept. 7, 1946. O. G. Sept. 10. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bones, Dried. Swift & Company. 216,536; renewed Aug. 10, 1946. O. G. Sept. 10.
Boots and shoes, Leather. Rice & Hutchins, Incorporated. 52,000; re-renewed May 1, 1946. O. G. Sept. 10.
Coal. Clark Coleman Coal & Coke Co. 215,753; renewed July 27, 1946. O. G. Sept. 10.
Facings or blacking, Foundry. J. S. McCormick Company. 51,845; re-renewed Apr. 24, 1946. O. G. Sept. 10.
Facings or blacking, Foundry. J. S. McCormick Company. 51,892; re-renewed Apr. 24, 1946. O. G. Sept. 10.
Leather. Ohio Leather Company. 423,897; Sept. 10.

CLASS 2

Boxes, Corrugated-pasteboard. Strohmeyer & Arpe Company. 218,867; renewed Oct. 5, 1946. O. G. Sept. 10.
Cases, cartons, and boxes, Fiber shipping. Ideal Corrugated Box Company. 218,951; renewed Oct. 5, 1946. O. G. Sept. 10.

CLASS 3

Handbags. Marsac Handbag Studio. 423,894; Sept. 10.
Trunks, dress trunks, cabin or steamer trunks, etc., Wardrobe. Oshkosh Trunk Company. 214,178; renewed June 15, 1946. O. G. Sept. 10.

CLASS 5

Mucilage, liquid adhesive starch gums, and liquid adhesive sizings and pastes. Arabol M'f'g Co. 56,407; re-renewed Sept. 25, 1946. O. G. Sept. 10.

CLASS 6

Additive for pickling baths. Waverly Petroleum Products Company. 423,755; Sept. 10; Serial No. 490,092; published June 18, 1946.
Ammonia and laundry bluing. Crescent Bottling Works. 423,872; Sept. 10; Serial No. 497,782; published June 18, 1946.
Ammonia, javelle water. Crescent Bottling Works. 218,490; renewed Sept. 28, 1946. O. G. Sept. 10.
Anaesthetic, Surface. Proco-Sol Chemical Co., Inc. 423,694; Sept. 10; Serial No. 480,621; published June 11, 1946.
Antibacterial preparations. E. R. Squibb & Sons. 423,690; Sept. 10; Serial No. 480,092; published June 4, 1946.
Bath compounds, Bubble. G. J. Banta. 423,696; Sept. 10; Serial No. 481,041; published June 11, 1946.
Bath salts. J. E. Bennett. 212,492; renewed May 4, 1946. O. G. Sept. 10.
Bubble forming solution. Independence Laboratories, Inc. 423,835; Sept. 10; Serial No. 494,684; published June 18, 1946.
Cadmium plating salts, Material for. Udylite Process Company. 219,266; renewed Oct. 12, 1946. O. G. Sept. 10.
Capsules, Gelatin. Schratz Products. 423,721; Sept. 10; Serial No. 486,070; published June 11, 1946.
Carbon dioxide. Liquid Carbonic Corporation. 423,771; Sept. 10; Serial No. 491,346; published June 11, 1946.
Catalysts, Hydrogenation. E. F. Drew & Co., Inc. 423,762; Sept. 10; Serial No. 490,749; published June 11, 1946.
Chemical composition. General Aniline & Film Corporation. 423,728; Sept. 10; Serial No. 487,128; published June 18, 1946.
Chemical composition for removing rust scale and tarnish from metals. Waverly Petroleum Products Company. 423,731; Sept. 10; Serial No. 487,878; published June 4, 1946.
Chemical compounds. Channell Chemical Company. 423,864; Sept. 10; Serial No. 497,068; published June 18, 1946.
Chemical for use in the dyeing of textiles, etc. Calco Chemical Company. 216,522; renewed Aug. 10, 1946. O. G. Sept. 10.
Chemical materials and compositions. Poor & Company. 423,763; Sept. 10; Serial No. 490,766; published June 18, 1946.
Chemical preparation, Liquid. R. G. Lamoureux. 423,773; Sept. 10; Serial No. 491,485; published June 18, 1946.
Chemicals. W. G. Barcroft. 423,891; Sept. 10.
Cologne, After shave. E. Casselman. 423,697; Sept. 10; Serial No. 481,177; published Aug. 21, 1945.
Cologne and dusting powder. Charles of The Ritz, Inc. 423,853; Sept. 10; Serial No. 495,789; published June 11, 1946.
Compound usable as a liniment and an inhalant. Universal Drug Products, Inc. 423,707; Sept. 10; Serial No. 483,291; published June 11, 1946.
Cosmetics. Farel Destin, Inc. 423,865; Sept. 10; Serial No. 497,075; published June 4, 1946.
Cosmetics for tinting the fingernails, lips, and cheeks. Dr. J. Parker Pray Company, Limited. 56,749; re-renewed Oct. 16, 1946. O. G. Sept. 10.
Cough syrup, chest rub, laxative, etc. Pinex Co. 423,766; Sept. 10; Serial No. 491,028; published June 18, 1946.
Cream, Face. First Lady Company, Inc. 423,873; Sept. 10; Serial No. 498,219; published June 11, 1946.
Creams, Face. F. F. Ingram. 52,177; re-renewed May 1, 1946. O. G. Sept. 10.
Creams, tone cream, night, cream, Facial cleansing. Doleith, Inc. 423,898; Sept. 10.
Dentifrices in powder and paste form. Société "Coupès," Société À Responsabilité Limitée. 423,738; Sept. 10; Serial No. 488,836; published June 4, 1946.
Deodorants. House of Westmore, Inc. 423,743; Sept. 10; Serial No. 488,999; published June 18, 1946.
Developing and fixing chemicals, Photographic. Rectigraph Company. 218,544; renewed Sept. 28, 1946. O. G. Sept. 10.
Ear drops. Doho Chemical Corporation. 423,810; Sept. 10; Serial No. 493,331; published June 11, 1946.
Enzymic digest of protein. Mead Johnson & Company. 423,772; Sept. 10; Serial No. 491,421; published June 11, 1946.
Exterminator of rats and mice. E. J. Lizotte. 423,817; Sept. 10; Serial No. 493,927; published June 18, 1946.
Eye drops. Whitehall Pharmacal Company. 423,856; Sept. 10; Serial No. 496,055; published June 11, 1946.
Face powders, toilet waters, rouges, etc. Leigh Chemist, Inc. 219,122; renewed Oct. 12, 1946. O. G. Sept. 10.
Flea and louse powder, Veterinary. Lederle Laboratories, Inc. 423,869; Sept. 10; Serial No. 497,485; published June 4, 1946.
Fungicide for addition to a varnish, paint or lacquer. Mer-Q-Ree, Incorporated. 423,688; Sept. 10; Serial No. 478,686; published June 5, 1945.
Gas, Highly refined. Acetogen Associates, Inc. 423,736; Sept. 10; Serial No. 488,438; published Feb. 12, 1946.
Hair rinse. C. V. Horvath. 423,793; Sept. 10; Serial No. 492,379; published June 11, 1946.
Hemostatic, astringent, blood-pressure raising and stimulating preparations. Parke Davis & Co. 53,934; re-renewed June 12, 1946. O. G. Sept. 10.
Insecticide. A. Bromm & Company. 423,689; Sept. 10; Serial No. 478,850; published Apr. 3, 1945.
Insecticide. Griffith Laboratories, Inc. 423,839; Sept. 10; Serial No. 494,904; published June 11, 1946.
Insecticide. Toledo Rex Spray Company. 218,040; renewed Sept. 21, 1946. O. G. Sept. 10.
Insecticide, Liquid. York Pharmacal Company. 423,803; Sept. 10; Serial No. 493,093; published June 4, 1946.
Insecticide repellent. R. M. Hollingshead Corporation. 423,866; Sept. 10; Serial No. 497,096; published June 11, 1946.
Insecticides. I. Lower. 423,782; Sept. 10; Serial No. 491,720; published June 11, 1946.
Lead oxides, mixture of lead oxides and metallic lead. National Lead Company. 423,844; Sept. 10; Serial No. 495,087; published June 18, 1946.
Leak compound, chemical radiator cleaner, chemical radiator rust resistor, etc, Radiator stop. Sun Oil Company. 423,859; Sept. 10; Serial No. 496,347; published June 4, 1946.
Liniment. Minards' Liniment Manufacturing Company. 52,210; re-renewed May 1, 1946. O. G. Sept. 10.
Liniment and salve. M. G. Tolman. 423,805; Sept. 10; Serial No. 493,228; published June 18, 1946.
Lipstick. R. Hudnut. 423,717; Sept. 10; Serial No. 485,219; published Oct. 30, 1945.
Lipstick, rouge, face powder, etc. Impression Products. 423,769; Sept. 10; Serial No. 491,204; published June 11, 1946.
Liquid inhalant. Macia Corporation. 423,893; Sept. 10.
Lotion, After-shave. Affiliated Retailers, Inc. 423,841; Sept. 10; Serial No. 494,997; published June 18, 1946.
Lotion, Antiseptic suntan. McKesson & Robbins, Incorporated. 423,847; Sept. 10; Serial No. 495,179; published June 11, 1946.
Lotion, cologne, hair tonic, etc., Face. Hickok Manufacturing Company. 423,723; Sept. 10; Serial No. 486,201; published June 18, 1946.
Lotions, Hand and face. J. Cochran. 423,882; Sept. 10.
Luminescent chemicals. E. I. du Pont de Nemours and Company. 423,770; Sept. 10; Serial No. 491,244; published June 11, 1946.
Medical compounds. G. C. Hanford Manufacturing Co. 51,073; re-renewed Apr. 3, 1946. O. G. Sept. 10.
Medicinal preparation. D. F. Clarke. 423,900; Sept. 10.
Medicinal preparation. Endo Products Inc. 423,824; Sept. 10; Serial No. 494,316; published June 11, 1946.
Medicinal preparation. John T. Milliken & Company. 218,391; renewed Sept. 28, 1946. O. G. Sept. 10.
Medicinal preparation. Upjohn Company. 423,726; Sept. 10; Serial No. 486,441; published Nov. 27, 1945.
Medicinal preparation. Upjohn Company. 423,860; Sept. 10; Serial No. 496,586; published June 11, 1946.
Medicinal preparation. Upjohn Company. 423,867; Sept. 10; Serial No. 497,145; published June 18, 1946.
Medicinal preparation. Vital Foods Corporation. 423,836; Sept. 10; Serial No. 494,727; published June 11, 1946.

Medicinal preparation. Vitamins & Pharmaceuticals, Inc. 423,863; Sept. 10; Serial No. 496,936; published June 11, 1946.
Medicinal preparation. Vitamins & Pharmaceuticals, Inc. 423,871; Sept. 10; Serial No. 497,585; published June 11, 1946.
Medicinal preparations. Bristol-Myers Company. 53,030; re-renewed May 22, 1946. O. G. Sept. 10.
Medicine made mainly of herbs. E. and H. Densmore. 28,958; re-renewed Oct. 6, 1946. O. G. Sept. 10.
Medicines, Certain named. Bristol-Myers Company. 51,922; re-renewed Apr. 24, 1946. O. G. Sept. 10.
Menthol stick. O. Martens. 423,851; Sept. 10; Serial No. 495,678; published June 18, 1946.
Mineral oil, U. S. P. mineral white. L. Sonneborn Sons, Inc. 423,715; Sept. 10; Serial No. 485,163; published Dec. 4, 1945.
Multivitamin preparations. Winthrop Chemical Company, Inc. 423,719; Sept. 10; Serial No. 485,740; published Nov. 6, 1945.
Ointment. Sharpe & Dohme, Incorporated. 423,712; Sept. 10; Serial No. 484,370; published Nov. 20, 1945.
Ointment for itching and inflamed piles, Antiseptic. E. J. Moore Sons, Inc. 423,798; Sept. 10; Serial No. 492,937; published June 4, 1946.
Ointments, Analgesic. Smith-Dorsey Company. 423,837; Sept. 10; Serial No. 494,870; published June 18, 1946.
Organic chemical material. B. F. Goodrich Company. 423,905; Sept. 10.
Penicillin. Wyeth Incorporated. 423,870; Sept. 10; Serial No. 497,519; published June 4, 1946.
Perfume and toilet water. Byck Bros. & Company, Incorporated. 423,888; Sept. 10.
Perfume, lipstick, face powder, etc. Consolidated Cosmetics. 423,713; Sept. 10; Serial No. 484,393; published Jan. 8, 1946.
Perfume, toilet water, eau de cologne, etc. J. F. May. 423,686; Sept. 10; Serial No. 477,026; published Apr. 10, 1945.
Perfumery, extracts, and certain toilet preparations. Caron Corporation. 217,081; renewed Aug. 24, 1946. O. G. Sept. 10.
Perfumes and toilet waters. Parfum L'Orle, Inc. 423,827–8; Sept. 10; Serial Nos. 494,516–17; published June 11, 1946.
Perfumes and toilet waters. Parfum L'Orle, Inc. 423,829; published June 11, 1946.
Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 423,804; Sept. 10; Serial No. 493,200; published June 11, 1946.
Perfumes, toilet creams, eau de cologne, etc. Myrurgia, S. A. 423,885; Sept. 10.
Perfumes, toilet waters, eau de colognes, etc. Golden Arrow Toiletries. 423,764; Sept. 10; Serial No. 490,815; published June 11, 1946.
Perfumes, toilet waters, face creams, etc. La Salle Company. 213,754; renewed June 1, 1946. O. G. Sept. 10.
Perfumes, toilet waters, rouge, etc. Lanselle Parfumeur (S. A. R. L.). 423,788; Sept. 10; Serial Nos. 492,143–4; published June 4, 1946.
Perfumes, toilet waters, rouge, etc. Lanselle Parfumeur (S. A. R. L.). 423,790; Sept. 10; Serial No. 492,145; published June 18, 1946.
Pharmaceutical preparation. Vitamix Corporation. 423,791; Sept. 10; Serial No. 492,297; published June 11, 1946.
Pharmaceutical products. Chemical Works. 218,376; renewed Sept. 28, 1946. O. G. Sept. 10.
Potassium sodium ferricyanide and sodium ferricyanide. American Cyanamid & Chemical Corporation. 423,848; Sept. 10; Serial No. 495,265; published June 18, 1946.
Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 423,742; Sept. 10; Serial No. 488,993; published June 11, 1946.
Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 423,780; Sept. 10; Serial No. 491,551; published June 11, 1946.
Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 423,781; Sept. 10; Serial No. 491,553; published June 11, 1946.
Powder, face makeup in liquid form, creams for the hands and face, etc., Face. Associated Products, Inc. 423,852; Sept. 10; Serial No. 495,716; published June 18, 1946.
Powder, liquid corn remover, and ointment, Medicated foot. Universal Drug Products, Inc. 423,708; Sept. 10; Serial No. 483,292; published June 11, 1946.
Preparation for external application to the skin, etc. E. G. Mergenthaler. 423,855; Sept. 10; Serial No. 495,902; published June 4, 1946.
Preparation for the treatment of coughs and colds. J. D. Kaplan. 218,538; renewed Sept. 28, 1946. O. G. Sept. 10.
Preparation for the treatment of coughs due to colds, etc. C. A. Lesiak. 423,816; Sept. 10; Serial No. 493,926; published June 4, 1946.
Preparation for treating athlete's foot and ringworm. T. Cook. 423,706; Sept. 10; Serial No. 483,260; published June 4, 1946.
Preparation for use in treatment of water and steam. Elgin Softener Corporation. 423,751; Sept. 10; Serial No. 489,506; published June 18, 1946.
Protein hydrolysate. Burroughs Wellcome & Co. (U. S. A.) Inc. 423,842; Sept. 10; Serial No. 495,008; published June 11, 1946.
Remedies for stomach, intestinal, and bowel disorders. E. J. Hart & Co., Ltd. 52,250; re-renewed May 1, 1946. O. G. Sept. 10.
Rouge, face powder, perfume, etc. L. Friedberg. 423,725; Sept. 10; Serial No. 486,407; published Dec. 25, 1945.
Salts, Nickel. Hanson & Van Winkle Co. 51,930; re-renewed Apr. 24, 1946. O. G. Sept. 10.
Salve. F. C. Evans. 423,826; Sept. 10; Serial No. 494,437; published June 11, 1946.
Sedative. R. J. Moran Co. 423,858; Sept. 10; Serial No. 496,259; published June 11, 1946.
Shampoo, bubble bath, insect powder, etc. F. Koenigsberger. 423,685; Sept. 10; Serial No. 476,770; published Mar. 6, 1945.
Soap, Dog. Polk Miller Products Corporation. 218,757; renewed Oct. 5, 1946. O. G. Sept. 10.
Sodium chloride, photographic fixing baths and fixing bath replenishers, etc. Polaroid Corporation. 423,776; Sept. 10; Serial No. 491,502; published June 18, 1946.
Solvents and preparations adapted for use in internal combustion engines, etc. F. J. Fandrei. 423,795; Sept. 10; Serial No. 492,700; published June 4, 1946.
Spray, Insect. National Chemical & Metal Company. 423,845–6; Sept. 10; Serial Nos. 495,148–9; published June 18, 1946.
Spray, Moth. National Chemical & Metal Company. 423,868; Sept. 10; Serial No. 497,187; published June 18, 1946.
Starch, Laundry. A. E. Staley Manufacturing Company. 423,760; Sept. 10; Serial No. 490,339; published June 4, 1946.
Sulphur. J. W. Woolfolk Company, Inc. 216,506; renewed Aug. 10, 1946. O. G. Sept. 10.
Suppositories. Dr. Pierre Chemical Co. 215,128; renewed July 13, 1946. O. G. Sept. 10.
Tablets, Cold. J. F. Simpson. 423,823; Sept. 10; Serial No. 494,241; published June 11, 1946.
Tablets containing certain drugs. Haack Bros. Manufacturing Pharmacists, Inc. 423,784; Sept. 10; Serial No. 491,828; published June 4, 1946.
Tablets, Milk of magnesia. Affiliated Retailers, Inc. 423,840; Sept. 10; Serial No. 494,995; published June 18, 1946.
Tea. P. C. Larkin. 28,962; re-renewed Oct. 6, 1946. O. G. Sept. 10.
Thyroid-choline-thiamine preparation. Arnold Palm. 423,890; Sept. 10.
Toilet preparations. Rabin Company. 423,861; Sept. 10; Serial No. 496,923; published June 4, 1946.
Toilet preparations, perfumery, and cosmetics. Les Parfums de Dana, Inc. 423,843; Sept. 10; Serial No. 495,045; published June 18, 1946.
Tonic, General. E. J. Hart & Co., Ltd. 213,757; renewed June 1, 1946. O. G. Sept. 10.
U. S. P. light medicinal white mineral oil. L. Sonneborn Sons, Inc. 423,716; Sept. 10; Serial No. 485,170; published Dec. 4, 1945.

CLASS 7

Cordage. Thomas Jackson & Son Co. 423,899; Sept. 10.

CLASS 12

Flooring, Composition. Marine Decking & Supply Co. 218,502; renewed Sept. 28, 1946. O. G. Sept. 10.
Lime, Hydrated. Rockland & Rockport Lime Corporation. 217,504; renewed Aug. 31, 1946. O. G. Sept. 10.
Materials, Certain named. Newport Rolling Mill Co. 218,427; renewed Sept. 28, 1946. O. G. Sept. 10.
Roofing, Asphalt. Southern States Iron Roofing Company. 423,910; Sept. 10.
Roofing, sheathing, and building paper. Barrett Manufacturing Company. 55,556; re-renewed Aug. 14, 1946. O. G. Sept. 10.
Roofing, sheathing, waterproofing and building felt. Barrett Manufacturing Company. 55,919; re-renewed Aug. 21, 1946. O. G. Sept. 10.

CLASS 13

Nozzles and valves, Flexible, combined. Heckethorn Manufacturing & Supply Co. 423,880; Sept. 10.
Wire cloth; and wire guards and wire screens, Certain. Audubon Wire Cloth Company. 211,243; renewed Apr. 6, 1946. O. G. Sept. 10.

CLASS 14

Metal leaf, Package,rolls of gold, silver, aluminium, composition, or other. W. H. Coe Manufacturing Company. 52,117; re-renewed May 1, 1946. O. G. Sept. 10.
Metals, Alloy of. Dunham Company. 212,107; renewed Apr. 27, 1946. O. G. Sept. 10.
Sheets, Galvanized-steel. American Sheet and Tin Plate Company. 213,269; renewed May 25, 1946. O. G. Sept. 10.

CLASS 15

Fluids used as a fluid coupling. Bell Company, Inc. 423,830; Sept. 10; Serial No. 494,538; published June 11, 1946.

Fluids use as a fluid coupling. Bell Company. 423,906; Sept. 10.
Gasoline, lubricating oils and greases. Cities Service Oil Company. 218,449; renewed Sept. 28, 1946. O. G. Sept. 10.
Lubricant. R. J. Bell. 423,700; Sept. 10; Serial No. 482,359; published June 11, 1946.
Oil added to motor lubricating oil, Special. R. J. Bell. 423,701; Sept. 10; Serial No. 482,360; published June 11, 1946.
Oils and automobile lubricants, Lubricating. Beacon Oil Company. 216,915; renewed Aug. 24, 1946. O. G. Sept. 10.
Petroleum products. Beacon Oil Company. 216,011; renewed Aug. 3, 1946. O. G. Sept. 10.
Spirits, Motor. Chemical Research Syndicate, Ltd. 217,534; renewed Aug. 31, 1946. O. G. Sept. 10.

CLASS 16

Paint, Anticorrosive and antifouling. Rahtjen's American Composition Company. 55,908; re-renewed Aug. 21, 1946. O. G. Sept. 10.
Paint, Red. F. O. Pierce Company. 51,967; re-renewed May 1, 1946. O. G. Sept. 10.
Paint, Semi-paste. H. B. Davis Company. 55,851; re-renewed Aug. 21, 1946. O. G. Sept. 10.
Paints, Carbon. Patterson-Sargent Company. 51,407; re-renewed Apr. 17, 1946. O. G. Sept. 10.
Varnish products. Rinched-Mason Co. 213,814; renewed June 8, 1946. O. G. Sept. 10.

CLASS 19

Automotive specialties. Sinko Tool & Manufacturing Company. 423,875; Sept. 10.
Perambulators. E. W. Grove, III. 423,818; Sept. 10; Serial No. 493,953; published June 11, 1946.

CLASS 21

Electric foot switches. Burke & James, Inc. 423,896; Sept. 10.
Electrical cords, Extensible. Kellogg Switchboard and Supply Company. 423,801; Sept. 10; Serial No. 493,015; published May 21, 1946.
Electrical parts, and radio receiving sets and parts thereof, Certain automobile. D. H. Castille. 218,396; renewed Sept. 28, 1946. O. G. Sept. 10.
Hair driers, Electric. P. J. Michels. 218,921; renewed Oct. 5, 1946. O. G. Sept. 10.
Insulated wire and adhesive tapes. New York Insulated Wire Company. 52,337; re-renewed May 8, 1946. O. G. Sept. 10.
Radio receiving sets. Gimbel Brothers, Inc. 211,856; renewed Apr. 20, 1946. O. G. Sept. 10.
Radio receiving sets, variable couplers, radio head sets, etc. General Phonograph Corporation. 215,560; renewed July 20, 1946. O. G. Sept. 10.
Rectifier and magnetizer and demagnetizer, Combination. Continental Machines, Incorporated. 423,693; Sept. 10; Serial No. 480,438; published Oct. 9, 1945.
Transformers, chokes, and reactors, Electric. Electran Manufacturing Company. 423,750; Sept. 10; Serial No. 489,505; published June 11, 1946.

CLASS 23

Cream-separators. De Laval Separator Company. 54,868; re-renewed July 31, 1946. O. G. Sept. 10.
Bearings, bushings, and journals, Metal. North American Metaline Co. 51,247; re-renewed Apr. 10, 1946. O. G. Sept. 10.
Blocks, Logging. Draper Engine Works Co. 216,693; renewed Aug. 17, 1946. O. G. Sept. 10.
Cutlery and tools and parts thereof, Certain named. Hyde Manufacturing Company. 216,281; renewed Aug. 10, 1946. O. G. Sept. 10.
Graining machines, Lithographing. E. A. Casson. 423,758; Sept. 10; Serial No. 490,284; published June 11, 1946.
Separators, Centrifugal. De Laval Separator Company. 52,583; re-renewed May 15, 1946. O. G. Sept. 10.
Tools. American Grinder Manufacturing Co. 212,682; renewed May 11, 1946. O. G. Sept. 10.

CLASS 25

Locks. Yale & Towne Manufacturing Company. 219,217; renewed Oct. 12, 1946. O. G. Sept. 10.
Locks, padlocks, and keys. Miller Lock Company. 56,636; re-renewed Oct. 9, 1946. O. G. Sept. 10.
Safes. Herring-Hall-Marvin Safe Company. 54,710; re-renewed June 26, 1946. O. G. Sept. 10.

CLASS 26

Cameras, photographic developing apparatus, photographic paper and films. Rectigraph Company. 218,964; renewed Oct. 5, 1946. O. G. Sept. 10.
Lenses, spectacles, and parts thereof, Optical. American Spectacle Co., Inc. 218,897; renewed Oct. 5, 1946. O. G. Sept. 10.
Potentiometers, viscosity meters, moisture meters, etc. Magnus Bjorndal. 423,877; Sept. 10.
Potentiometers, viscosity meters, moisture meters, etc. Magnus Bjorndal. 423,878; Sept. 10.
Projecting machines, Still picture. Victorlite Industries. 423,680; Sept. 10; Serial No. 473,078; published July 24, 1945.
Scales and balance indicators therefor, Weighing. E. E. Hess. 423,895; Sept. 10.
Weighers, Automatic. Triangle Package Machinery Company. 423,711; Sept. 10; Serial No. 482,771; published June 18, 1946.

CLASS 27

Clocks. Flamefilm Products Corporation. 423,831; Sept. 10; Serial No. 494,552; published June 18, 1946.
Clocks. Janes Old Colony-Middlebury Clock, Trust. 423,749; Sept. 10; Serial No. 489,464; published June 11, 1946.
Time recorders and watchmen's recorders, Employees'. Simplex Time Recorder Co. 218,943; renewed Oct. 5, 1946. O. G. Sept. 10.
Watches. Fabrique Ebel, Societe Anonyme. 423,874; Sept. 10.
Watches. M. Weisbrod. 423,732; Sept. 10; Serial No. 487,879; published Jan. 1, 1946.
Watches and parts thereof. Halgreen, Inc. 423,889; Sept. 10.
Watches and watch cases. Liema Watch Agency, Inc. 423,854; Sept. 10; Serial No. 495,896; published June 18, 1946.
Watches, watch cases. watch parts, etc. I. Shifren. 423,673; Sept. 10; Serial No. 397,955; published Nov. 30, 1937.
Watches, watch parts, and watch movements. Meyer & Studeli, S. A. 423,820; Sept. 10; Serial No. 494,098; published June 18, 1946.
Watches, watch parts, and watch movements. Meyer & Studeli, S. A. 423,821; Sept. 10; Serial No. 494,009; published June 11, 1946.

CLASS 28

Badges, lapel buttons, scarf, lapel, and breast pins, etc., Fraternity. Sigma Nu Phi Fraternity (Legal). 210,527; renewed Mar. 16, 1946. O. G. Sept. 10.
Compacts, cigarette cases, and lighters. L. L. Silverman. 423,740; Sept. 10; Serial No. 488,936; published June 11, 1946.
Diamonds. Lazare Kaplan & Sons, Inc. 423,909; Sept. 10.
Finger-rings, precious stones and mountings therefor. Waldron & Company, Inc. 423,730; Sept. 10; Serial No. 487,152; published June 11, 1946.
Jewelry, compacts, and powder boxes, Costume. Consolidated Cosmetics. 423,834; Sept. 10; Serial No. 494,659; published June 11, 1946.
Jewelry, Ladies'. Van Dell Co. 423,676; Sept. 10; Serial No. 465,162; published June 11, 1946.
Jewelry, Organization. Boeing Aircraft Company. 423,674; Sept. 10; Serial No. 450,873; published June 18, 1946.
Jewelry, Ornamental. H. Peterson. 423,833; Sept. 10; Serial No. 494,628; published June 18, 1946.
Necklaces, earrings, and bracelets, Imitation pearl. Lay & Borges. 423,819; Sept. 10; Serial No. 494,083; published June 11, 1946.
Necklaces, pearl earrings, pearl bracelets, etc., Pearl. S. E. Weinreich. 423,787; Sept. 10; Serial No. 492,012; published June 18, 1946.
Rings and finger-ring mountings, Finger. M. Levy. 219,299; renewed Oct. 12, 1946. O. G. Sept. 10.
Watch bands, Wrist. Trail Metal Products Co., Inc. 423,849; Sept. 10; Serial No. 495,424; published June 11, 1946.
Watch bands, Wrist. Trail Metal Products Co., Inc. 423,850; Sept. 10; Serial No. 495,426; published June 11, 1946.

CLASS 29

Brooms, painters' brushes, household sweeping brushes, etc. Schwabacher Bros. & Co. Inc. 214,220; renewed June 15, 1946. O. G. Sept. 10.

CLASS 31

Refrigerators, refrigerator parts, refrigerator systems, etc., Electric. Serv-el Corporation. 215,805; renewed July 27, 1946. O. G. Sept. 10.

CLASS 32

Mattresses. Boston Leather Specialties Co. 423,879; Sept. 10.

CLASS 33

Mirror-plates. S. Bache & Company. 56,329; re-renewed Sept. 11, 1946. O. G. Sept. 10.

CLASS 34

Furnace, Pipeless. Babson Brothers. 212,232; renewed Apr. 27, 1946. O. G. Sept. 10.
Heaters and blowers, Automotive. V. E. Sprouse Company. 423,886; Sept. 10.

Heaters, Gas fired water. Security Manufacturing Company. 423,876; Sept. 10.
Heaters and gas hot-water-storage systems, Gas hot-water. Pittsburgh Water Heater Company. 211,404; renewed Apr. 13, 1946. O. G. Sept. 10.
Lamps, burners, wicks, etc., Kerosene candle. Aladdin Industries, Incorporated. 215,534; renewed July 20, 1946. O. G. Sept. 10.
Reflectors, Glass light. J. C. Stimson. 205,744; renewed Nov. 17, 1945. O. G. Sept. 10.

CLASS 35

Packing and gaskets produced from fibrous material and rubber, Sheet. S. R. Browne Manufacturing Co. Inc. 218,908; renewed Oct. 5, 1946. O. G. Sept. 10.

CLASS 36

Pianos, player pianos, and phonographs adapted for combination with radio sets. Fitzgerald Music Company. 218,885; renewed Oct. 5, 1946. O. G. Sept. 10.

CLASS 37

Blanks for keeping insurance policy and commission records. P. G. Dallwig. 217,315; renewed Aug. 31, 1946. O. G. Sept. 10.
Diaries. Standard Diary Company 216,530; renewed Aug. 10, 1946. O. G. Sept. 10.
Envelopes, Church contribution. Duplex Envelope Company. 218,844; renewed Oct. 5, 1946. O. G. Sept. 10.
Envelopes, Expanding and flat. Cooke & Cobb Company. 218,815; renewed Oct. 5, 1946. O. G. Sept. 10.
Paper, box cover paper, cover papers, etc., Blotting. District of Columbia Paper Mills, Inc. 423,903; Sept. 10.
Paper, box cover paper, cover papers, etc., Blotting. District of Columbia Paper Mills Inc. 423,904; Sept. 10.
Paper, Bread-wrapping. American Tissue Mills. 218,794; renewed Oct. 5, 1946. O. G. Sept. 10.
Paper products. Northern Paper Mills. 423,741; Sept. 10; Serial No. 488,944; published May 14, 1946.
Pencils, Wood encased. W. K. Chapman. 423,883; Sept. 10.

CLASS 38

Books, Instruction. Walter Kidde & Company, Inc. 423,718; Sept. 10; Serial No. 485,297; published June 4, 1946.
Cards, Greeting. Reproducta, Inc. 423,720; Sept. 10; Serial No. 485,964; published June 4, 1946.
Cartoons. E. F. Byrnes. 423,675; Sept. 10; Serial No. 463,772; published June 4, 1946.
Cartoons. King Features Syndicate, Inc. 211,595; renewed Apr. 13, 1946. O. G. Sept. 10.
House organ. National Roll & Foundry Company. 423,710; Sept. 10; Serial No. 484,314; published Mar. 19, 1946.
Journal, Trade. Ware Bros Company. 211,616; renewed Apr. 13, 1946. O. G. Sept. 10.
Magazine. Milton Publishing Co., Inc. 423,811; Sept. 10; Serial No. 493,381; published June 11, 1946.
Magazine for children. Heroes All Company. 423,785; Sept. 10; Serial No. 491,830; published June 11, 1946.
Magazine, House-organ. Bemis Bro. Bag Company. 423,767; Sept. 10; Serial No. 491,051; published June 11, 1946.
Magazine, Humorous cartoon. Harvey Features Syndicate. 423,792; Sept. 10; Serial No. 492,321; published June 11, 1946.
Magazine, Illustrated. Artspur Publications, Inc. 423,794; Sept. 10; Serial No. 492,415; published June 11, 1946.
Magazine in the nature of a trade magazine, Section of a weekly news. Broadcasting Publications, Inc. 423,754; Sept. 10; Serial No. 490,058; published June 18, 1946.
Magazine, Trade. Fishing Gazette Publishing Corp. 423,901; Sept. 10.
News letters, Monthly. Warwick Manufacturing Corporation. 423,799; Sept. 10; Serial No. 492,976; published June 11, 1946.
Newspaper, Daily. Post-Enquirer Publishing Company. 218,917; renewed Oct. 5, 1946. O. G. Sept. 10.
Periodical. American International Publications, Inc. 423,808; Sept. 10; Serial No. 493,310; published June 11, 1946.
Periodical. Curtis Publishing Company. 423,745; Sept. 10; Serial No. 489,209; published June 11, 1946.
Periodical of interest to dog fanciers, Semi-monthly. Quaker Oats Company. 423,765; Sept. 10; Serial No. 490,855; published June 18, 1946.
Periodical published from time to time. Magnolia State Publishing Company. 423,892; Sept. 10.
Periodicals. Deplex Envelope Company. 218,634; renewed Sept. 28, 1946. O. G. Sept. 10.
Photographs. Jack N' Jill. 423,724; Sept. 10; Serial No. 486,205; published June 18, 1946.
Portraits, Photographic. J. E. Reed. 423,777; Sept. 10; Serial No. 491,509; published June 11, 1946.
Printed gift seals and printed enclosures adapted to be used in connection with gifts or the like. Chicago Printed String Company. 423,783; Sept. 10; Serial No. 491,750; published June 18, 1946.
Publication. American Tansul Company. 423,813; Sept. 10; Serial No. 493,719; published June 11, 1946.
Publication. Publishers Digest. 423,752; Sept. 10; Serial No. 489,530; published May 28, 1946.
Publication, Monthly. Telecasting Publications Inc. 423,802; Sept. 10; Serial No. 493,081; published June 11, 1946.
Publication, Periodical. Farm Implement News Company. 423,796; Sept. 10; Serial Nos. 492,909–10; published June 11, 1946.
Publication, Periodical. E. M. Hale and Company. 423,768; Sept. 10; Serial No. 491,202; published June 11, 1946.
Publication, Periodical. Negro Digest Publishing Co., Inc. 423,815; Sept. 10; Serial No. 493,806; published June 11, 1946.
Publication, Quarterly trade. Clark Equipment Company. 423,887; Sept. 10.
Publications. Missouri Welfare League. 423,774; Sept. 10; Serial No. 491,491; published June 11, 1946.
Publications, Trade. G. L. Wennerstrom. 423,786; Sept. 10; Serial No. 491,904; published June 11, 1946.
Telephone directory, Industrial classified. Independent Directory Corp. 423,884; Sept. 10.
Trade-journals. Ware Bros. Company. 54,839; re-renewed July 31, 1946. O. G. Sept. 10.

CLASS 39

Boots and shoes, Canvas and leather. Heywood Boot & Shoe Company. 216,990; renewed Aug. 24, 1946. O. G. Sept. 10.
Boots and shoes, Leather. Heywood Boot & Shoe Company. 55,071; re-renewed Aug. 7, 1946. O. G. Sept. 10.
Boots and shoes, Leather. Heywood Boot & Shoe Company. 55,310; re-renewed Aug. 14, 1946. O. G. Sept. 10.
Boots and shoes, Leather. Rice & Hutchins, Incorporated. 52,000; re-renewed May 1, 1946. O. G. Sept. 10.
Boots and shoes, Rubber. Rice & Hutchins, Incorporated. 54,525; re-renewed June 26, 1946. O. G. Sept. 10.
Boots, shoes, and slippers. International Shoe Company. 423,709; Sept. 10; Serial No. 484,132; published June 18, 1946.
Collars and cuffs. Earl & Wilson. 28,890; re-renewed Sept. 29, 1946. O. G. Sept. 10.
Girdles, Women's. M. Henkin. 423,756–7; Sept. 10; Serial Nos. 490,244–5; published June 18, 1946.
Gloves, Leather. Hansen Glove Corporation. 423,739; Sept. 10; Serial No. 488,901; published June 18, 1946.
Gloves, Leather, cotton, and leather and cotton work. National Glove Company. 423,775; Sept. 10; Serial No. 491,496; published June 18, 1946.
Hats, Ladies' and girls'. Harriet Novelty Co., Inc. 423,761; Sept. 10; Serial No. 490,432; published June 18, 1946.
Hosiery. Wayne Knitting Mills. 56,097; re-renewed Aug. 21, 1946. O. G. Sept. 10.
Masks, Sleep. Watchemoket Optical Co. Inc. 423,806; Sept. 10; Serial No. 493,233; published June 18, 1946.
Overalls, coats, and trousers. Red Diamond Clothing Company. 51,154; re-renewed Apr. 3, 1946. O. G. Sept. 10.
Petticoats, slips, and bloomers, Silk. V. L. Sussberg. 216,361; renewed Aug. 10, 1946. O. G. Sept. 10.
Shawls, Prayer. M. Wolozin, Inc. 218,460; renewed Sept. 28, 1946. O. G. Sept. 10.
Shoes, Leather. Heywood Boot & Shoe Company. 55,309; re-renewed Aug. 14, 1946. O. G. Sept. 10.
Shoes of leather, fabric, and combinations thereof, Women's. Berland Shoe Stores, Inc. 423,695; Sept. 10; Serial No. 480,642; published June 18, 1946.
Shoes, slippers, pumps, etc., Ladies' and misses'. Wolff Tober Shoe Manufacturing Company. 213,285; renewed May 25, 1946. O. G. Sept. 10.
Suits, caps, dresses, etc., Women's and children's bathing. S. Augstein & Co. 423,744; Sept. 10; Serial No. 489,195; published June 18, 1946.
Suits, trunks, sweaters, Swimming. Jantzen Knitting Mills. 423,812; Sept. 10; Serial No. 493,491; published June 11, 1946.
Sweaters, sport shirts, hose, etc., Men's and boys'. Wolff Shirt Company. 423,734; Sept. 10; Serial No. 487,926; published June 18, 1946.
Sweaters, suits, scarfs, and hosiery, Men's and women's. L. B. Strauss. 423,677; Sept. 10; Serial No. 468,642; published June 18, 1946.

CLASS 40

Antislip device in the nature of webbing or tape. Everlastik, Inc. 215,636; renewed July 20, 1946. O. G. Sept. 10.
Safety-pins. American Pin Company. 54,927; re-renewed Aug. 7, 1946. O. G. Sept. 10.

CLASS 42

Blankets, Textile. Esmond Mills. 217,595–6; renewed Sept. 7, 1946. O. G. Sept. 10.
Piece goods, Non-pile. Unique Fibers, Inc. 423,714; Sept. 10; Serial No. 484,919; published May 28, 1946.
Pile fabric piece goods. Royal Textile Co. 423,678; Sept. 10; Serial No. 468,738; published Oct. 31, 1944.

Sheets, pillow cases, crib sheet and pillow case sets, etc., Crib. Brody Mfg. Co. 423,679; Sept. 10; Serial No. 469,891; published May 28, 1946.
Woolen goods in the piece. Worumbo Manufacturing Company. 218,171; renewed Sept. 21, 1946. O. G. Sept. 10.

CLASS 43

Yarns, Skeins of. James Lees and Sons Company. 218,292; renewed Sept. 21, 1946. O. G. Sept. 10.

CLASS 45

Beverages, Carbonated, nonalcoholic, noncereal, maltless. F. W. Müller Sons. 216,015; renewed Aug. 3, 1946. O. G. Sept. 10.
Beverages, Non-alcoholic, non-cereal, maltless. S. R. Danial. 423,735; Sept. 10; Serial No. 488,081; published June 4, 1946.
Beverages, Non-alcoholic, non-cereal, maltless. R. S. Mansur. 423,729; Sept. 10; Serial No. 487,138; published June 18, 1946.
Concentrates and sirups, Nonalcoholic maltless. G. A. Fox. 217,928; renewed Sept. 14, 1946. O. G. Sept. 10.
Flavoring preparations. J. P. Trunx, Inc. 423,748; Sept. 10; Serial No. 489,371; published June 18, 1946.
Juice and cider, Apple. Duffy-Mott Company, Inc. 423,692; Sept. 10; Serial No. 480,407; published June 4, 1946.
Soda fountain syrup, Concentrated. Richardson Corporation. 423,902; Sept. 10.

CLASS 46

Avocados (fresh fruits). California Avocado Growers Exchange. 214,759; renewed July 6, 1946. O. G. Sept. 10.
Baking-powder. Hulman & Co. 49,902; re-renewed Feb. 20, 1946. O. G. Sept. 10.
Cake filling, Prune. Max Ams, Inc. 423,809; Sept. 10; Serial No. 493,311; published June 11, 1946.
Cake, Fruit. Lady Val Cake Company. 423,733; Sept. 10; Serial No. 487,908; published June 18, 1946.
Cakes and crackers. Southern Biscuit Works. 219,096; renewed Oct. 12, 1946. O. G. Sept. 10.
Candy. Brandle & Smith Co. 52,005; re-renewed May 1, 1946. O. G. Sept. 10.
Candy. Crystal Candy Company. 219,248; renewed Oct. 12, 1946. O. G. Sept. 10.
Candy. Gregor Chocolates, Inc. 423,832; Sept. 10; Serial No. 494,556; published June 18, 1946.
Candy and candy bars. Ambrosia Chocolate Company. 214,830; renewed July 6, 1946. O. G. Sept. 10.
Canned fish and canned shellfish. Sociedad Industrial Pesquera De Tarapaca S. A. 423,881; Sept. 10.
Canned lobsters. Burham & Morrill Company. 52,289; re-renewed May 8, 1946. O. G. Sept. 10.
Canned salmon. Alaska Consolidated Canneries, Inc. 213,100; renewed May 18, 1946. O. G. Sept. 10.
Canned vegetables. H. C. Baxter & Bro. 216,658; renewed Aug. 17, 1946. O. G. Sept. 10.
Canned vegetables, fruits, berries, etc. Schwabacher Bros. & Co., Inc. 217,587; renewed Sept. 7, 1946. O. G. Sept. 10.
Cheese. Davis Bros. Cheese Co. 216,513; renewed Aug. 10, 1946. O. G. Sept. 10.
Cheese preparation. Pabst Corporation. 217,630; renewed Sept. 7, 1946. O. G. Sept. 10.
Dairy ration, Compounded. Elmore Milling Company, Inc. 219,257; renewed Oct. 12, 1946. O. G. Sept. 10.
Extracts and spices; and tea and coffee, Certain food-flavoring. Schwabacher Bros. & Co., Inc. 217,777; renewed Sept. 7, 1946. O. G. Sept. 10.
Extracts, Malt. M. K. Goetz Brewing Company. 53,405; re-renewed June 5, 1946. O. G. Sept. 10.
Feed, Dairy. C. O. Batson. 423,737; Sept. 10; Serial No. 488,730; published June 18, 1946.
Feeds for livestock, poultry, and dogs and cats. Farm Crops Processing Corporation. 423,698; Sept. 10; Serial No. 481,700; published July 24, 1945.
Flour and graham flour, Wheat. J. W. Scott. 218,472; renewed Sept. 28, 1946. O. G. Sept. 10.
Food confection. Horlick's Malted Milk Corporation. 423,746; Sept. 10; Serial No. 489,218; published May 7, 1946.
Food product similar to cheese. Pabst Corporation. 213,953; renewed June 8, 1946. O. G. Sept. 10.
Fruits and vegetables, Certain fresh. M. J. Zeuzius. 217,603; renewed Sept. 7, 1946. O. G. Sept. 10.
Fruits and vegetables, Fresh frozen deciduous. Fresh Frozen Foods. 423,722; Sept. 10; Serial No. 486,147; published June 18, 1946.
Fruits, Fresh citrus. Texas Citrus Fruit Growers Exchange. 216,572; renewed Aug. 17, 1946. O. G. Sept. 10.
Fruits, Preserved and canned. Mor-Pak Preserving Company. 209,387; renewed Feb. 23, 1946. O. G. Sept. 10.
Ice cream and frozen confections. Theonett & Co. 218,237; renewed Sept. 21, 1946. O. G. Sept. 10.
Juices, Grapefruit and orange. Texas Citrus Fruit Growers Exchange. 217,368; renewed Aug. 31, 1946. O. G. Sept. 10.
Malt and hop sirup. Red Top Malt Extract Company. 218,250; renewed Sept. 21, 1946. O. G. Sept. 10.
Malt extract and malt foods. Anheuser-Busch Brewing Association. 28,905; re-renewed Sept. 29, 1946. O. G. Sept. 10.
Meal, Alfalfa. Denver Alfalfa Milling & Products Co. 213,321; renewed May 25, 1946. O. G. Sept. 10.
Melons in their natural state, All varieties of. E. C. Arnold. 216,132; renewed Aug. 3, 1946. O. G. Sept. 10.
Mincemeat, honey, and peanut butter. Puritan Preserve Company. 217,972; renewed Sept. 14, 1946. O. G. Sept. 10.
Olives. C. Gulden. 53,099; re-renewed May 29, 1946. O. G. Sept. 10.
Oranges, lemons, and grapefruit, Fresh. Edison Citrus Association. 218,898; renewed Oct. 5, 1946. O. G. Sept. 10.
Prepared meals, consisting of meats, vegetables, stews, etc. W. L. Maxson Corporation. 423,703; Sept. 10; Serial No. 482,685; published Oct. 30, 1945.
Raisins. Fewel Bros. & Co. 423,681; Sept. 10; Serial No. 474,793; published Dec. 26, 1944.
Rock-candy and rock-candy syrups. Knickerbocker Chocolate Company. 53,463; re-renewed June 5, 1946. O. G. Sept. 10.
Sauce for spaghetti and meats. Birdsall & Wilcox. 423,907; Sept. 10.
Sausage. Double "O" Sausage Corporation. 423,682–3; Sept. 10; Serial Nos. 474,886–7; published June 11, 1946.
Tea. W. Boardman & Sons Co. 214,821; renewed July 6, 1946. O. G. Sept. 10.
Vegetables and melons, Fresh. L. S. Edwards. 423,825; Sept. 10; Serial No. 494,430; published June 18, 1946.
Vegetables, Fresh. Devereux Packing Company. 423,814; Sept. 10; Serial No. 493,746; published June 18, 1946.
Vegetables, Fresh. Golden West Estates, Inc. 423,800; Sept. 10; Serial No. 493,004; published June 11, 1946.
Vegetables, Fresh. E. L. Oliver. 423,862; Sept. 10; Serial No. 490,728; published June 18, 1946.
Vegetables, Fresh. Shrode-Nelson Produce Co. 423,807; Sept. 10; Serial No. 493,292; published June 11, 1946.
Yeast, Rye. Cryns Products, Inc. 423,857; Sept. 10; Serial No. 496,207; published June 11, 1946.

CLASS 47

Wine. Stollenwerk Winery, Inc. 423,822; Sept. 10; Serial No. 494,138; published June 4, 1946.

CLASS 48

Beverage, Malt. Liebmann Breweries, Inc. 217,561; renewed Sept. 7, 1946. O. G. Sept. 10.
Compound for use in brewing of beers and ales. Brewers Scientific Laboratories. 423,727; Sept. 10; Serial No. 486,655; published Oct. 30, 1945.
Malt extract and malt foods. Anheuser-Busch Brewing Association. 28,905; re-renewed Sept. 29, 1946. O. G. Sept. 10.

CLASS 49

Brandy. Roma Wine Company. 423,687; Sept. 10; Serial No. 477,625; published June 18, 1946.
Rum. Compania Licorera de Matanzas, S. A. 423,684; Sept. 10; Serial No. 475,387; published June 18, 1946.
Whiskey and brandy. Bernheim Distilling Company. 423,753; Sept. 10; Serial No. 489,789; published June 11, 1946.
Whisky. Rosenfield Bros. & Co. 56,466; re-renewed Sept. 25, 1946. O. G. Sept. 10.

CLASS 50

Art ware. Cordelia China Company. 423,838; Sept. 10; Serial No. 494,890; published June 11, 1946.
Closures, Laminated paper. Standard Cap and Seal Corporation. 423,747; Sept. 10; Serial No. 489,291; published June 11, 1946.
Covers, Transparent article protective. A. L. Siegel Co., Inc. 423,691; Sept. 10; Serial No. 480,197; published June 11, 1946.
Letters, Plastic. New England Advertising Inc. 423,704; Sept. 10; Serial No. 482,757; published June 11, 1946.
Milk caps, Molded. Pro-phy-lac-tic Brush Company. 423,702; Sept. 10; Serial No. 482,589; published June 18, 1946.
Statues, statuettes, artificial flowers, etc., Religious and gift. Syracuse Ornamental Co. 423,705; Sept. 10; Serial No. 483,246; published June 11, 1946.
Wheels, landing gear, and other parts. D. E. Davis. 423,759; Sept. 10; Serial No. 490,296; published June 11, 1946.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brunner, Eugene E., assignor to Read Machinery Co. Inc., York, Pa. Conveyer. Re. 22,789; Sept. 10.

Mastney, Edward J., Berwyn, and J. H. Williams, Chicago, Ill., assignors to Oak Manufacturing Co. Preselecting mechanism. Re. 22,790; Sept. 10.

Oak Manufacturing Co., assignee: *See*—
Mastney, Edward J., and Williams.

Randol, Glenn T., St. Louis, Mo. Control means for change-speed transmissions. Re. 22,791; Sept. 10.

Read Machinery Co. Inc., assignee: *See*—
Brunner, Eugene E.

Williams, John H.: *See*—
Mastney, Edward J., and Williams.

LIST OF DESIGN PATENTEES

Alter, Alfred, Company, assignee: *See*—
Alter, Alfred I.

Alter, Alfred I., Wilton, Conn., assignor to Alfred Alter Company, New York, N. Y. Table lamp. 145,557; Sept. 10.

Ballot, Max, New York, N. Y. Button or similar article. 145,558; Sept. 10.

Bihl, Jerome U., San Marino, Calif. Game board. 145,559; Sept. 10.

Bonn, Harry, Union City, N. J. Hat or similar article. 145,560; Sept. 10.

Boucher, Marcel, New York, N. Y. Clip. 145,561; Sept. 10.

Chambers, Frederick C., Chicago, Ill. Pipe receptacle. 145,562; Sept. 10.

Consolidated Industries, assignee: *See*—
Scholl, Harry S.

Dale, Paul, Chicago, Ill. Carpet sweeper casing. 145,563; Sept. 10.

De Weiss, Ferdinand A.: *See*—
Tandler, William S., and De Weiss.

Dixon-Bartlett Company, assignee: *See*—
Henkel, John.

Doyle, Truman W., Los Angeles, Calif. Rug and upholstery extraction machine. 145,564; Sept. 10.

Drell, William, New York, N. Y. Button or similar article. 145,565; Sept. 10.

Drell, William, New York, N. Y. Button or similar article. 145,566; Sept. 10.

Drell, William, New York, N. Y. Button or similar article. 145,567; Sept. 10.

Drell, William, New York, N. Y. Button or similar article. 145,568; Sept. 10.

Drell, William, New York, N. Y. Button or similar article. 145,569; Sept. 10.

Drell, William, New York, N. Y. Button or similar article. 145,570; Sept. 10.

Drell, William, New York, N. Y. Button or similar article. 145,571; Sept. 10.

Esh, Barnett, New York, N. Y., assignor to Weisfield & Goldberg, Inc., Seattle, Wash. Finger ring. 145,572; Sept. 10.

Frank, Samuel K., Wheeling, W. Va. Ash tray or similar article. 145,573; Sept. 10.

Frascino, Mario, New York, N. Y. Coat. 145,574; Sept. 10.

Hall, Isabel H., New York, N. Y. Towel or similar article. 145,575; Sept. 10.

Hallward, Michael, Swampscott, Mass. Clock. 145,576; Sept. 10.

Henkel, John, Baltimore, Md., assignor to Dixon-Bartlett Company. Shoe. 145,577; Sept. 10.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 145,578; Sept. 10.

Industrial Scientific Company, assignee: *See*—
Tandler, William S., and De Weiss.

International Silver Company, The, assignee: *See*—
Kintz, Alfred G.

Kearney, George F., New York, N. Y. Toy guitar. 145,579; Sept. 10.

Kintz, Alfred G., Wallingford, assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 145,580; Sept. 10.

Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Speck, Kurt.

Lange, Albert, New York, N. Y. Towel or similar article. 145,581; Sept. 10.

Lange, Albert, New York, N. Y. Towel or similar article. 145,582; Sept. 10.

Lolli, John, Chicago Heights, Ill. Electric lamp. 145,583; Sept. 10.

Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 145,584; Sept. 10.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel Inc., New York, N. Y. Brooch or similar article. 145,585; Sept. 10.

Plasto Manufacturing Company, assignee: *See*—
Tolpo, Lily M.

Quaker Lace Company, assignee: *See*—
Hooven, Howard.
Otto, Ferdinand P.

Reynolds, Milton, Chicago, Ill. Fountain pen. 145,586; Sept. 10.

Reynolds, Milton, Chicago, Ill. Fountain pen. 145,587; Sept. 10.

Rubin, Herbert, New York, N. Y. Lamp. 145,588; Sept. 10.

Scholl, Harry S., assignor to Consolidated Industries, Chicago, Ill. Tray. 145,589; Sept. 10.

Soklaski, Leo, Brooklyn, N. Y. Casing or body for a lighter or the like. 145,590; Sept. 10.

Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 145,591; Sept. 10.

Tandler, William S., and F. A. de Weiss, assignors to Industrial Scientific Company, New York, N. Y. Automotive delivery vehicle. 145,592; Sept. 10.

Tolpo, Lily M., assignor to Plasto Manufacturing Company, Chicago, Ill. Frame for mirrors, pictures, and the like. 145,593; Sept. 10.

Trifari, Krussman & Fishel Inc., assignee: *See*—
Philippe, Alfred.

Weisfield & Goldberg, Inc., assignee: *See*—
Esh, Barnett.

Wright, John H., Philadelphia, Pa. Toy figure. 145,594; Sept. 10.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, assignee: *See*—
Frost, Douglas V.

Abraham, Leonard G., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier communication system. 2,407,238; Sept. 10.

Adam, Frank, Electric Company, assignee: *See*—
Stieglitz, Henry M.

Air Reduction Company, Incorporated, assignee: *See*—
Hughey, Howard G.

Aktiengesellschaft Brown, Boveri & Cie., assignee: *See*—
Hartmann, Hans.

Albert, Harry B., assignee: *See*—
Chaplin, Edwin D.

Alberts, Leon N., New York, N. Y. Clasp. 2,407,466; Sept. 10.

Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Friction drive for web propelling rollers. 2,407,239; Sept. 10.

Albree, George N., Winchester, Mass. Firing mechanism for firearms. 2,407,526; Sept. 10.

Aldis, Arthur C. W., assignor to Aldis Brothers Limited, Sparkhill, Birmingham, England. Means for inspecting gun barrels. 2,407,598; Sept. 10.

Aldis Brothers Limited, assignee: *See*—
Aldis, Arthur C. W.

Alexander, Peter: *See*—
Blott, John F. T., and Alexander.

Alien Property Custodian: *See*—
Mennesson, Marcel L.

Allegheny Ludlum Steel Corporation, assignee: *See*—
Lincoln, Rush A.

Allen, Tom G.: *See*—
Cluley, Alan S., and Allen.

Allied Chemical & Dye Corporation, assignee: *See*—
Clark, Charles R.

Allied Control Company, Inc., assignee: *See*—
Miller, Edward G., and Engberg.

American Car and Foundry Company, assignee: *See*—
Willoughby, Victor.

American Cyanamid Company, assignee: *See*—
Maxwell, Charles S.

American Enka Corporation, assignee: *See*—
Whisnant, John K.

American Optical Company, assignee: *See*—
Bennett, Alva H.
Peck, William F.
Schauweker, George H.

Anchor Manufacturing Company, assignee: *See*—
Johansson, Ernest G.

Anderson, John W., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper system. 2,407,215; Sept. 10.

Anglo-Iranian Oil Company Limited, assignee: *See*—
Birch, Stanley F., Fidler, and Thornes.

Anstedt, Paul, Des Plaines, assignor to Northern Metal Products Company, Chicago, Ill. Punch press safety guard. 2,407,527; Sept. 10.

Antonson, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for treating material on propeller blades. 2,407,528; Sept. 10.

Ashton, Albert A., Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Drive for triplex pumps. 2,407,392; Sept. 10.

Atwood Vacuum Machine Company, The, assignee: *See*—
Miller, Kay.

Auten, Robert W., Jenkintown, and J. L. Rainey, Abington, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Resinous compositions and process of making same. 2,407,599; Sept. 10.

Autogiro Company of America, assignee: *See*—
Pitcairn, Harold F.

Automatic Control Corp., assignee: *See*—
Newman, Eric P.

Bacon, Leslie R.: *See*—
Tremanin, Henry E., and Bacon.

Ball, Albert P., Detroit, Mich. Watering device for fowl. 2,407,216; Sept. 10.

Banneyer, Joseph, Chicago, Ill. Conduit supporting device. 2,407,217; Sept. 10.

Barber, Charles C., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Projecting and retracting mechanism for an underwater signal source. 2,407,240; Sept. 10.

Barber-Colman Company, assignee: *See*—
Kennedy, Walter W.

Barry, William R., deceased, Valdosta, Ga.; W. R. Dewberry, administratrix. Apparatus for determining geographic positions celestially. 2,407,467; Sept. 10.

Bascom, Henry M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Monitoring system. 2,407,241; Sept. 10.

Bassick Company, The, assignee: *See*—
Herold, Walter F.

Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,407,242; Sept. 10.

Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Magnetostriction oscillator. 2,407,243; Sept. 10.

Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,407,244; Sept. 10.

Battelle Memorial Institute, assignee: *See*—
Faust, Charles L.

Bean, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developer. 2,407,600; Sept. 10.

Becker, Lester O., assignor to J. Pavelka, St. Louis, Mo. Ratchet mechanism. 2,407,468; Sept. 10.

Behr, Siegfried, Flushing, N. Y. Lady's hair ornament. 2,407,393; Sept. 10.

Beier, Kurt A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Fluid sealing device. 2,407,218; Sept. 10.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Abraham, Leonard G.
Barber, Charles C.
Bascom, Henry M.
Christensen, Howard.
Dickieson, Alton C.
Hartley, Ralph V. L., and Samuel.
Kinkead, Fullerton S., and Locke.
Kleimack, Joseph J., and Pearson.
Mason, Warren P.
Miller, Ohmer R.
Parkinson, David B.
Patterson, Everett M.
Shepherd, William G.
Shockley, William, and Willard.
Skellett, Albert M.

Bendix Aviation Corporation, assignee: *See*—
Jandasek, Joseph.

Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,407,245; Sept. 10.

Bennett, Alva H., Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Optical system. 2,407,219; Sept. 10.

Benning, Anthony F., Woodstown, N. J., and J. D. Park, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Fluoro-chloro hydrocarbons and making them. 2,407,246; Sept. 10.

Bergeim, Frank H.: *See*—
Lott, William A., Bergeim, and Losee.

Bertram, William A., Chicago, Ill. Bottle holder and carrier. 2,407,529; Sept. 10.

Bielski, Alex J., and W. J. Luckock, Fort Wayne, Ind., assignors to Farnsworth Television and Radio Corporation. Coupling device. 2,407,530; Sept. 10.

Birch, Stanley F., F. A. Fidler, and L. S. Thornes, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Production of an aviation or motor fuel or an aviation motor fuel constituent. 2,407,214; Sept. 10.

Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Rotor for elastic fluid mechanism. 2,407,469; Sept. 10.

Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Elastic fluid mechanism. 2,407,531; Sept. 10.

Birr, Edmund E., Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Self-quenched superregenerative receiver. 2,407,394; Sept. 10.

Black, Howard C.: *See*—
Phelps, Guy W., and Black.

Blocker, Mary A., Jupiter, Fla. Nursing slip. 2,407,220; Sept. 10.

Bloomheart, John L., Toledo, Ohio, assignor to M. F. McKesson. Multiple purpose gas unit. 2,407,221; Sept. 10.

Blott, John F. T., Worcester Park, and P. Alexander, London, England, assignors to Shell Development Company, San Francisco, Calif. Bituminous composition containing mineral aggregates. 2,407,470; Sept. 10.

Boden, Ernest G., Canton, Ohio, assignor to The Timken Roller Bearing Company. Bearing mounting. 2,407,532; Sept. 10.

Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Stabilizing a polymerized rosin and polymerized rosin ester. 2,407,248; Sept. 10.

Boucher, Herman G.: *See*—
Hall, Larry G., and Boucher.

Bour, Robert C., assignor to Ditto, Incorporated, Chicago Ill. Hectograph blanket and preparing same. 2,407,395; Sept. 10.

Boyce, Malcolm B., Haverhill, Mass. Grinding machine. 2,407,222; Sept. 10.

Briggs, Southwick W., Washington, D. C. Bonded adsorbent. 2,407,247; Sept. 10.

Brinton, H., Co., assignee: *See*—
Carhart, Raymond H.

British Insulated Cables Limited, assignee: *See*—
Walton, George H., Quayle, and Jones.

Brock, Margaret M., Middle Village, N. Y. Dishwashing device. 2,407,533; Sept. 10.

Brockmeier, W. C., assignee, et al.: *See*—
Burk, Robert.

Brooke, Lloyd A.: *See*—
Burner, Bingham F., and Brooke.

Brown, George H. F.: *See*—
Gillmore, Kenneth B., and Brown.

Brubaker, Merlin M., Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of tetrafluoroethylene. 2,407,396; Sept. 10.

Budd Company, The, assignee: *See*—
Dean, Albert G.
Montgomery, Robert, and Schane.

Buecken, Hans E.: *See*—
Magerkurth, Wilhelm A., and Buecken.

Burk, Robert, assignor of one-half to W. C. Brockmeier, Brazil, Ind., and one-half to M. R. Harding, Greenville, Mich. Rotary tool adapter. 2,407,471; Sept. 10.

Burner, Bingham F., Arlington, Va., and L. A. Brooke, Washington, D. C. Chair tie for reinforcing rods. 2,407,249; Sept. 10.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Directive antenna. 2,407,250; Sept. 10.

Bussey, William H., Chicago, assignor, by mesne assignments, to O. W. Storey, Wheaton, Ill., as trustee for the partnership of O. W. Storey & Associates. Electrical apparatus. 2,407,363; Sept. 10.

Butterbaugh, Darrel J., Philadelphia, and Le R. U. Spence, Elkins Park, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparation of unsaturated nitriles. 2,407,472; Sept. 10.

Cairns, John E. I., Chalfont-St. Peter, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device employing hollow resonators. 2,407,607; Sept. 10.

Caldwell, Frank W., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine cooling and charging apparatus. 2,407,223; Sept. 10.

Campbell, Lester: *See*—
Cotchett, Louis M., Campbell, and Stange.

Carbide and Carbon Chemicals Corp., assignee: *See*—
Quattlebaum, William M., Jr., and Toussaint.

Carhart, Raymond H., assignor to H. Brinton Co., Frankford, Philadelphia, Pa. Fabric take-up and tension circular knitting machines. 2,407,397; Sept. 10.

Carlisle, William A., Jr.: *See*—
Goss, Worth C.

Carlson, Harold, North Franklin, Conn. Picker stick. 2,407,398; Sept. 10.

Carlson, Harold A., University City, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,407,534; Sept. 10.

Carlson, Harold A., University City, and O. J. Eickmann, Normandy, assignors to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,407,535; Sept. 10.

Carlson, Robert W., Depew, and M. G. Nicholson, Jr., Snyder, assignors to Colonial Radio Corporation, Buffalo, N. Y. Duplex control circuit. 2,407,399; Sept. 10.

Carlton, William C., Ilford, England. Tire preserver. 2,407,473; Sept. 10.

Carter Carburetor Corporation, assignee: *See*—
Carlson, Harold A.
Carlson, Harold A., and Eickmann.

Cary, Philip, Manufacturing Company, assignee: *See*—
Smith, Marion F., and Greider.

Century Mills, assignee: *See*—
Schreiber, Max, and Stebbins.

Chamberlain, Clark W., East Lansing, Mich. Method and apparatus for molecular absorption of vibration. 2,407,400; Sept. 10.

Chandler, James D., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe and making the same. 2,407,224; Sept. 10.

Chaplin, Edwin D., assignor to H. B. Albert, New York, N. Y. Igniter for internal-combustion engines. 2,407,474; Sept. 10.

Chapman, Frederick W., assignor to General Motors Corporation, Detroit, Mich. Compass. 2,407,536; Sept. 10.

Chapman, James E., Phoenix, Ariz., assignor to The Garrett Corporation, Los Angeles, Calif. Power operated actuator. 2,407,537; Sept. 10.

Charrier, George M., Collingswood, N. J., assignor to Radio Corporation of America. Cathode ray sweep circuit. 2,407,475; Sept. 10.

Cherry-Burrell Corporation, assignee, et al.: *See*—
Lundal, Ingie J., and Robichaux.

Chiksan Tool Company, assignee: *See*—
Phillips, Dwight M.

Christensen, Howard, Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor. 2,407,251; Sept. 10.

Chrysler Corporation, assignee: *See*—
La Brie, Ludger E.

Chumasero, John: *See*—
Guthrie, Robert G., and Chumasero.

Clark, Charles R., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of toluene from oils. 2,407,364; Sept. 10.

Clark, Harvey L., Salem, Oreg. Brooder. 2,407,601; Sept. 10.

Clauser, Francis H., Santa Monica, and C. C. Wood, West Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Lateral control arrangement. 2,407,401; Sept. 10.

Clem, James R., Dallas, Tex. Dispensing device. 2,407,402; Sept. 10.

Clemetsen, Erling A. and J. A., Prairie View, Ill. Crushing device. 2,407,365; Sept. 10.

Clemetsen, John A.: *See*—
Clemetsen, Erling A. and J. A.

Cleminson, Lew W., assignee, trustee: *See*—
Wessel, Carl.

Closs, Edwin R., U. S. Army, Camp Swift, Tex. Prefabricated building. 2,407,252; Sept. 10.

Cluley, Alan S., and T. G. Allen, Nuneaton, assignors to Courtaulds Limited, London, England. Process for milling fabrics containing wool and cellulose acetate. 2,407,602; Sept. 10.

Codet, Howard G.: *See*—
Lynch, Charles S., and Codet.

Coleman Lamp and Stove Company, The, assignee: *See*—
Martin, Russell.

Collinson-Jones, Norman: *See*—
Moon, Cecil F., and Collinson-Jones.

Colonial Radio Corporation, assignee: *See*—
Birr, Edmund E.
Carlson, Robert W., and Nicholson.

Compton, Robin D., Westport, Conn., assignor to Radio Corporation of America. Television control system. 2,407,403; Sept. 10.

Conner, Guy O., Wheeling, W. Va. Forming machine. 2,407,253; Sept. 10.

Conner, Guy O., Cleveland Heights, Ohio. Forming machine. 2,407,254; Sept. 10.

Cornforth, Rita H.: *See*—
Robinson, Robert, Cornforth, and West.

Cotchett, Louis M., Hingham, and L. Campbell and F. F. Stange, assignors to Foster Machine Company, Westfield, Mass. Yarn winding machine. 2,407,366; Sept. 10.

Courtaulds Limited, assignee: *See*—
Cluley, Alan S., and Allen.

Creed and Company Limited, assignee: *See*—
Thompson, Alfred E., and Salmon.

Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Electric circuit. 2,407,476; Sept. 10.

Crowe, John, St. Joseph, Mo., assignor to The Marlin Firearms Company, New Haven, Conn. Ejector mechanism for firearms. 2,407,477; Sept. 10.

Crozier, Harold E., and A. G. H. Vanderpoel, Hawthorne, Calif. Antiknock or detonation damping device. 2,407,478; Sept. 10.

Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dust collecting composition and method. 2,407,255; Sept. 10.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Interpolymerization products. 2,407,479; Sept. 10.

Dallin, Edwin B., Arlington Heights, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling apparatus. 2,407,256; Sept. 10.

Daniels, Lee G., Rockford, Ill. Automatic water treating device. 2,407,538; Sept. 10.

Daniels, Lee G., Rockford, Ill. Valve system and control therefor. 2,407,539; Sept. 10.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Aircraft fuselage and wing construction. 2,407,480; Sept. 10.

Decca Record Company, Limited, The, assignee: *See*—
O'Brien, William J.

Degering, Edward F.: *See*—
Spence, John A., and Degering.

Degering, Edward F., West Lafayette, Ind., and G. C. Gross, Richmond, Va., assignors to Purdue Research Foundation, West Lafayette, Ind. Process of preparing sulphamide. 2,407,481; Sept. 10.

De Havilland Aircraft Company Limited, The: *See*—
Gillmore, Kenneth B., and Brown.

Del Mar, Bruce E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Regulating pressure cabins. 2,407,257; Sept. 10.

Del Mar, Bruce E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Control for pressure cabins. 2,407,258; Sept. 10.

Del Mar, Bruce E., West Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Cabin pressure control valve. 2,407,540; Sept. 10.

Derungs, Ernest A., Le Locle, Switzerland. Electromagnet. 2,407,603; Sept. 10.

Dessaur, Murray, assignee, et al.: *See*—
Dessaur, Murray.

Dessaur, Murray, Bronx, N. Y., assignor to M. Dessaur and R. D. Gale. Pad holding and feeding device. 2,407,404; Sept. 10.

Dewberry, Willie R., administratrix: *See*—
Barry, William R.

Dickieson, Alton C., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in signaling systems. 2,407,259; Sept. 10.

Dickieson, Alton C., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Privacy system. 2,407,260; Sept. 10.

Dietrich, Melvin A., Claymont, and R. M. Joyce, Jr., Marshallton, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of tetrafluoroethylene. 2,407,405; Sept. 10.

Dietzgen, Eugene, Co., assignee: *See*—
Halstead, L. R.
Kreiling, August H.

Ditto, Incorporated, assignee: *See*—
Bour, Robert C.
Peterson, Eric W.

Divine Brothers Company, Incorporated, assignee: *See*—
Klossner, Stanley H.

Dixon, Cletus L., assignor, by mesne assignments, to The Protectoseal Company, Chicago, Ill. Thermosetting molding powder from wheat, wood pitch, and resin, and making. 2,407,225; Sept. 10.

Doelling, George L., St. Louis, Mo. Antibumping device. 2,407,226; Sept. 10.

Douglas Aircraft Company, Inc., assignee: *See*—
Clauser, Francis H., and Wood.
Del Mar, Bruce E.
Nelson, Alex E.

Dow Chemical Co., The, assignee: *See*—
Wenck, Peter R., and Henson.

Downing, Frederick B., Pennsgrove, N. J., and A. L. Linch, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing or deactivating sludges, precipitates, and residues occurring or used in the manufacture of tetra alkyl leads. 2,407,261; Sept. 10.

Doyle, Frank B., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Apparatus for freezing. 2,407,482; Sept. 10.

Du Pont, E. I., de Nemours & Co., assignee: *See*—
Brubaker, Merlin M.
Cupery, Martin E.
Dietrich, Melvin A., and Joyce.
Downing, F. B., and Linch.
Flenner, Albert L., and Littler.
Fos, Arthur L.
Gray, Allen G.
Hanford, William E.
Linch, Adrian L.
Salzberg, Paul L.
Schweikher, Ernest W.

Dutton, Howard B., Des Moines, Iowa. Padlock. 2,407,406; Sept. 10.

E. A. Laboratories, Inc., assignee: *See*—
Meyerhoefer, Carl E.

Earle, Theodore, Pacific Palisades, Calif. Retting method. 2,407,227; Sept. 10.

Eastman Kodak Company, assignee: *See*—
Bean, Frederic R.
Hull, D. C., and Snodgrass.

Ebaugh, Paul, Granville, Ohio, assignor, by mesne assignments, to Owen-Corning Fiberglas Corporation. Treating fibrous glass. 2,407,483; Sept. 10.

Eberle, Herman R., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,407,407; Sept. 10.

Ehnborn, Victor C., Chicago, Ill. Ladder bracket. 2,407,541; Sept. 10.

Ehrhardt, William, Bronx, N. Y. Tobacco pipe juice absorber. 2,407,484; Sept. 10.

Eickmann, Olin J.: *See*—
Carlson, Harold A., and Eickmann.

Elastic Stop Nut Corporation of America, assignee: *See*—
Mason, Veyne V.

Electric Boat Company, assignee: *See*—
Ritchie, Alexander J.

Electric & Musical Industries Limited, assignee: *See*—
Cairns, John E. I.

Electrolux Pty. Limited, assignee: *See*—
Jodell, Georg E.

Emsco Derrick & Equipment Co., assignee: *See*—
Ashton, Albert A.

Engberg, Ralph E.: *See*—
Miller, Edward G., and Engberg.

English Electric Company, Limited, The, assignee: *See*—
Seewer, Paul W.

Erickson, Carl E., Kalamazoo, Mich. Carpet and rug cleaning machine. 2,407,408; Sept. 10.

Essig, Sanford F., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Television control system. 2,407,485; Sept. 10.

Ethyl Corporation, assignee: *See*—
Heron, Sam D.

Ewaldson, Waldemar C., Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Distributing apparatus. 2,407,542; Sept. 10.

Exact Weight Scale Company, The, assignee: *See*—
Pounds, Richard T.

Fairbanks, Morse & Co., assignee: *See*—
Hobart, Franklin G.
Kuttner, Julius.
Schott, Rudolph D.

Farness, Albert H., assignee, et al.: *See*—
Henjum, Gerald J.

Farnsworth Television and Radio Corporation, assignee: *See*—
Bielski, Alex J., and Luckock.
Essig, Sanford F.
Halstead, William S.

Farries, Jack D., Petersburg, Va. Non-friction bearing ball dispenser. 2,407,409; Sept. 10.

Faust, Charles L., assignor to Battelle Memorial Institute, Columbus, Ohio. Anodically polishing brass. 2,407,543; Sept. 30.

Federal Reserve Bank of Philadelphia, assignee: *See*—
Birmann, Rudolph.

Federal Telephone and Radio Corporation, assignee: *See*—
Busignies, Henri G.
Labin, Emile.
Young, Norman H., Jr.

Ferrel, Clyde B., San Francisco, Calif., assignor to Ferrel Industries, Inc., Reno, Nev. Projectile. 2,407,264; Sept. 10.

Ferrel Industries, Inc., assignee: *See*—
Ferrel, Clyde B.

Fibre Products Laboratories, Inc., assignee: *See*—
Goldman, Joseph.

Fidler, Frederick A.: *See*—
Birch, Stanley F., Fidler, and Thornes.

Filter Media Corporation, assignee: *See*—
Teale, Harold A.

Fischer, Albert W., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Variable resistance. 2,407,544; Sept. 10.

Fish, Raymond J., Manchester, N. H. Thread friction testing device. 2,407,545; Sept. 10.

Fitzgerald, James H., Westfield, N. J. Lever-track controlled boom bucket closure. 2,407,410; Sept. 10.

Flenner, Albert L., and C. A. Littler, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Veterinary compositions. 2,407,486; Sept. 10.

Fletcher, Ed: *See*—
Simison, Allen L., and Fletcher.

Flow Controls, Incorporated, assignee: *See*—
Hoesel, Anthony F.

Folis, Frank L., Memphis, Tenn. Menu selector and recorder. 2,407,411; Sept. 10.

Forbes, Joseph A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,407,487; Sept. 10.

Forsyth, Alexander R., Los Angeles, Calif. Water softener. 2,407,228; Sept. 10.

Foster Machine Company, assignee: *See*—
Cotchett, Louis M., Campbell, and Stange.

Fox, Arthur L., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copper compounds of mercaptans derived from terpenes and producing them. 2,407,265; Sept. 10.

Fox, Arthur L., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copper compounds of mercaptans derived from pinene. 2,407,266; Sept. 10.

Franklin, William B., Baytown, Tex., assignor to Standard Oil Development Company. Isomerization process. 2,407,488; Sept. 10.

Freese, Herman C., Houston, Tex. Window screen drain. 2,407,229; Sept. 10.

Frost, Douglas V., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Therapeutic solutions. 2,407,412; Sept. 10.

Fruehauf Trailer Company, assignee: *See*—
Reid, Frederick M.

Furkert, Ernst A., Chicago, Ill. Heat-treating apparatus. 2,407,230; Sept. 10.

Gale, Richard D. assignee, et al.: *See*—
Dessaur, Murray.

Galstaun, Lionel S., Oakland, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Moisture removal in isomerization processes. 2,407,231; Sept. 10.

Garrett Corporation, The, assignee: *See*—
Chapman, James E.

Gaylord Container Corporation, assignee: *See*—
Williams, B. M.

Gearhart, Roy E., assignor of three-tenths to R. B. McCreary and three-tenths to B. McCreary, Kansas City, Mo. Wrench. 2,407,546; Sept. 10.

Gearhart, Roy E., assignor of three-tenths to B. L. McCreary and three-tenths to R. B. McCreary, Kansas City, Mo. Wrench. 2,407,547; Sept. 10.

Geigy, J. R., A. G., assignee: *See*—
Stammbach, Walter.

Geller, Max, Brooklyn, N. Y. Jointed mannequin doll. 2,407,367; Sept. 10.

General Controls Co., assignee: *See*—
Ray, William R.

General Electric Company, assignee: *See*—
Crever, Frederick E.
D'Alello, Gaetano F.
Hart, Lucas P., Jr.
Martin, Harold M.
Michel, Philip C.
St. Palley, Zoltan O.

General Motors Corporation, assignee: *See*—
Chapman, Frederick W.
Fischer, Albert W.
Kettering, Charles F.
Martin, Edward J., and Grinstead.
Scott, Gifford G.
Wirshing, Ralph J., and Smith.

General Tire & Rubber Company, The, assignee: *See*—
Thiry, Leon F.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Plasticized styrene-maleic resin composition. 2,407,413; Sept. 10.

Giammatteo, Charles: *See*—
Judd, Charles H., and Giammatteo.

Gilbert, Chalmers W., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Impulse actuated timing means. 2,407,232; Sept. 10.

Gillmore, Kenneth B., and G. H. F. Brown, assignors to The De Havilland Aircraft Company Limited, Hatfield, England. Variable pitch propeller. 2,407,414; Sept. 10.

Ginzton, Edward L., Wantagh, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Ultra high frequency attenuator. 2,407,267; Sept. 10.

Goldman, Joseph, New Brunswick, N. J., assignor to Fibre Products Laboratories, Inc. Fibrous structural material and method and apparatus for making same. 2,407,548; Sept. 10.

Goldschmidt, Rudolf, Sheffield, England. Percussion tool. 2,407,604; Sept. 10.

Goodman Manufacturing Company, assignee: *See*—
Eberle, Herman R.

Goodrich, B. F., Company, The, assignee: *See*—
Antonson, John O.
Hollerith, Charles.
Krotz, Alvin S.
Mathes, Roger A.
Mathes, Roger A., and Jones.
Sprigg, Edward A.

Goss, Worth C., Seattle, Wash., assignor to William A. Carlisle, Jr. Calcining coal for production of an activated primary carbon. 2,407,268; Sept. 10.

Graflex, Inc., assignee: *See*—
Hineline, Edson S.

Gray, Allen G., Rocky River, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodeposition of zinc. 2,407,489; Sept. 10.

Graziano, Joseph S., Joliet, Ill. Dispensing package. 2,407,415; Sept. 10.

Greer, John J., Conimicut, and A. Luongo, Wickford, R. I. Insulated wire stripping device. 2,407,233; Sept. 10.

Gregg, Jonas F., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Surface checking and comparing device. 2,407,490; Sept. 10.

Greider, Harold W.: *See*—
Smith, Marion F., and Greider.

Gries, Otto, New Rochelle, N. Y., assignor to Gries Reproducer Corporation. Buckle and producing the same. 2,407,491; Sept. 10.

Gries Reproducer Corporation, assignee: *See*—
Gries, Otto.

Grinstead, Carl E.: *See*—
Martin, Edward J., and Grinstead.

Gross, George C.: *See*—
Degering, E. F., and Gross.

Guaranty Plastic Caps Limited, assignee: *See*—
Weber, Henryk.

Gudmundson, John E., Brakpan, Transvaal, Union of South Africa. Level or like surveying instrument. 2,407,416; Sept. 10.

Gurwick, Irving, New York, N. Y. Surface coating tissue paper with thermo-responsive resins. 2,407,549; Sept. 10.

Guthrie, Robert G., and J. Chumasero, Chicago, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electromagnetic product and making the same. 2,407,234; Sept. 10.

H-P-M Development Corporation, assignee: *See*—
Summers, Otto M.

Hall, Larry G., St. Louis, Mo., and Herman G. Boucher, Wood River, Ill., assignors to Shell Development Company, San Francisco, Calif. Production of gasoline. 2,407,492; Sept. 10.

Halstead, Laban R., assignor to Eugene Dietzgen Co., Chicago, Ill. Drafting machine. 2,407,235; Sept. 10.

Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Fort Wayne, Ind. Communications system. 2,407,417; Sept. 10.

Hammond, John V., Spangler, and D. J. Keenan, Barnesboro, Pa., said Keenan assignor to said Hammond. Blasting unit and short-circuiting device. 2,407,605; Sept. 10.

Handt, Maria M., New York, N. Y. Garment. 2,407,550; Sept. 10.

Hanff, Ludovic, Warwick, R. I. Relay device. 2,407,418; Sept. 10.

Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of tetrafluoroethylene. 2,407,419; Sept. 10.

Hannant, Theodore N., Cedar Grove, assignor to Specialties Development Corporation, Bloomfield, N. J. Actuator. 2,407,269; Sept. 10.

Harding, M. R., assignee, et al.: *See*—
Burk, Robert.

Harrison, Bertram M., Newton Highlands, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling. 2,407,270; Sept. 10.

Hart, Harold M., Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,407,271; Sept. 10.

Hart, Harold M., Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Method and apparatus for radio ranging. 2,407,272; Sept. 10.

Hart, Lucas P., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric apparatus. 2,407,493; Sept. 10.

Hart, Robert W., Lynn, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Method and means for distance and direction finding. 2,407,273; Sept. 10.

Hartley, Ralph V. L., and A. L. Samuel, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra-high frequency electronic device. 2,407,274; Sept. 10.

Hartmann, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. High voltage transformer. 2,407,420; Sept. 10.

Hartvigsen, Harman, Scotch Plains, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Low temperature process of polymerizing iso-olefinic material. 2,407,494; Sept. 10.

Hays, Robert F., Jr., Syosset, N. Y., assignor to Sperry Gyroscope Company, Inc. Radio scanning apparatus. 2,407,275; Sept. 10.

Hazeltine Research, Inc., assignee: *See*—
Johnson, John K., and Wheeler.

Heiney, John W., Allentown, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y. Rubber spring mounting. 2,407,236; Sept. 10.

Hendel, Joseph A., and M. J. Stupelli, New York, N. Y. Shock absorber for hydraulic systems. 2,407,276; Sept. 10.

Henjum, Gerald J., Hollywood, assignor of one-third to A. H. Farness, North Hollywood, and one-third to C. H. Sherer, Los Angeles, Calif. Development and layout instrument. 2,407,368; Sept. 10.

Henson, Walter A.: *See*—
Wenck, Peter R., and Henson.

Hercules Powder Company, assignee: *See*—
Borglin, Joseph N.

Herold, Walter F., Easton, assignor to The Bassick Company, Bridgeport, Conn. Floor-cleaning implement. 2,407,421; Sept. 10.

Heron, Sam D., Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Making lead alkyls. 2,407,551; Sept. 10.

Herring, George B., assignee: *See*—
Lewis, Henry M.

Heynisch, Paul, Zug, Switzerland, assignor to Landis & Gyr, A. G. Mean-value indicator with excess counter. 2,407,369; Sept. 10.

High, Le Roy B., and G. C. T. Lindh, assignors to The Udylite Corporation, Detroit, Mich. Method and apparatus for forming thermoplastic inner soles. 2,407,495; Sept. 10.

Hineline, Edson S., assignor to Graflex, Inc., Rochester, N. Y. Motor-driven curtain-shutter and release mechanism for photographic cameras. 2,407,277; Sept. 10.

Hobart, Franklin G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine valve mounting. 2,407,422; Sept. 10.

Hodges, Arthur J., Washington, D. C. Method of and apparatus for testing the hardness of materials. 2,407,278; Sept. 10.

Hoe, R., & Co., Inc., assignee: *See*—
Albrecht, Alexander J.

Hoesel, Anthony F., Chicago, Ill. Pipe thread gasket. 2,407,552; Sept. 10.

Hoesel, Anthony F., Chicago, Ill. Internal-combustion engine. 2,407,606; Sept. 10.

Hoesel, Anthony F., assignor to Flow Controls, Incorporated, Chicago, Ill. Pipe thread gasket. 2,407,553; Sept. 10.

Hoffmann, Norma, Bearings Corporation, assignee: *See*— Smith, Charles H., and Longman.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Wheel structure. 2,407,423; Sept. 10.

Hollingsworth, R. Lee, Riverhead, N. Y., assignor to Radio Corporation, of America. Electron capacity and electron capacity modulator. 2,407,424; Sept. 10.

Horn, Charles L., assignee: *See*— Reed, Cortes F.

Horning, Francis and H., Galion, Ohio. Material handling attachment for tractors. 2,407,425; Sept. 10.

Horning, Howard: *See*— Horning, Francis and H.

Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Flame hardening torch. 2,407,370; Sept. 10.

Hull, David C., and J. R. Snodgrass, Kingport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of neutral esters of phosphoric acid. 2,407,279; Sept. 10.

Hyman, Mark, Jr., assignor to Polaroid Corporation, Cambridge, Mass. Mold for use in the manufacture of optical elements. 2,407,280; Sept. 10.

Imperial Chemical Industries Limited, assignee: *See*— Rogers, Maurice A. T. Shakesby, Leonard, and Smith. Williams, Vernon H., and Wright. Wright, Harold R., and Taylor.

Industrial Patents Corporation, assignee: *See*— Phelps, Guy W., and Black. Vinsant, Granville F.

Ingersoll-Rand Company, assignee: *See*— Doyle, Frank B.

Interchemical Corporation, assignee: *See*— Wickwire, Arthur M., Jr.

International Plastic Harmonica Corporation, assignee: *See*— Magnus, Finn H.

Isserstedt, Siegfreid G., Toronto, Ontario, Canada. Blind. 2,407,554; Sept. 10.

Jack & Heintz Precision Industries, Inc., assignee: *See*— Gregg, Jonas F.

Jahnig, Charles E., Roselle, N. J., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,407,371; Sept. 10.

Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid transmission. 2,407,496; Sept. 10.

Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid transmission. 2,407,497; Sept. 10.

Jarman, Gordon N.: *See*— Wearn, Richard B., and Jarman.

Jasco, Inc., assignee: *See*— Hartvigsen, Harman.

Jodell, Georg E., Prahran, Victoria, assignor to Electrolux Pty. Limited, Sydney, Australia. Kerosene burner for use in refrigerators or in other heat-actuated apparatus. 2,407,426; Sept. 10.

Johansson, Ernest G., Belmont, assignor to Anchor Manufacturing Company, Boston, Mass. Disconnect for electrical terminal blocks. 2,407,372; Sept. 10.

Johns-Manville Corporation, assignee: *See*— Rembert, Ernest W. Smolak, George.

Johnson, Harry H., Brookline, Mass. Shoe. 2,407,498; Sept. 10.

Johnson, John K., Deerfield, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. System for indicating mechanical motion. 2,407,282; Sept. 10.

Johnson, John K., Deerfield, Ill., and H. A. Wheeler, Great Neck, N. Y., assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Radiated-signal direction finder. 2,407,281; Sept. 10.

Johnson, Victor S., assignee: *See*— White, Sidney Y.

Jones, James A., Fayetteville, Ark. Self-locking wedge. 2,407,427; Sept. 10.

Jones, Paul C.: *See*— Mathes, Roger A., and Jones.

Jones, Peter: *See*— Walton, George H., Quayle, and Jones.

Joyce, Robert M., Jr.: *See*— Dietrich, Melvin A., and Joyce.

Judd, Charles H., and C. Glammatteo, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,407,608; Sept. 10.

Judd, Charles H., and C. Glammatteo, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,407,609; Sept. 10.

Kammer, George S., Bradford, England. Fuel injection in internal-combustion engine. 2,407,610; Sept. 10.

Kearby, Kenneth K., Elizabeth, N. J., assignor to Standard Oil Development Company. Dehydrogenation of hydrocarbons. 2,407,373; Sept. 10.

Keema, Alexander W.: *See*— Walley, Herbert H., Jr., and Keema.

Keenan, Dennis J., assignee: *See*— Hammond, John V., and Keenan.

Keiser, David H., Jr., West Lawn, Pa. Shears. 2,407,237; Sept. 10.

Kelhoffer, Florence, Brooklyn, N. Y. Mechanotherapeutic equipment. 2,407,283; Sept. 10.

Kelsey-Hayes Wheel Company, assignee: *See*— Forbes, Joseph A.

Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Air distribution outlet. 2,407,284; Sept. 10.

Kettering, Charles F., assignor to General Motors Corporation, Detroit, Mich. Automatic control. 2,407,555; Sept. 10.

Kinetic Chemicals, Inc., assignee: *See*— Benning, Anthony F., and Park.

King, Jesse J., Dayton, Ohio. Seal for running shafts. 2,407,285; Sept. 10.

Kinkead, Fullerton S., deceased, New York, by R. S. Kinkead, administratrix, Trudau, and G. A. Locke, Glenwood Landing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,407,286; Sept. 10.

Kinkead, Rita S., administratrix: *See*— Kinkead, Fullerton S., and Locke.

Klausner, Bertha: *See*— Krasner, Harold E., and Klausner.

Kleimack, Joseph J., Bayonne, and G. L. Pearson, Towaco, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor device. 2,407,288; Sept. 10.

Kleven, Samuel L., Augusta, Maine. Shoe. 2,407,556; Sept. 10.

Klossner, Stanley H., assignor to Divine Brothers Company, Incorporated, Utica, N. Y. Measured tension control for abrasive belt systems. 2,407,490; Sept. 10.

Kneisley Electric Company, assignee: *See*— Kneisley, Richard F.

Kneisley, Richard F., assignor to Kneisley Electric Company, Toledo, Ohio. Article surfacing machine. 2,407,557; Sept. 10.

Kollenberg, Conrad H., Goose Creek, Tex., assignor to Standard Oil Development Company. Catalytic cracking process. 2,407,374; Sept. 10.

Kolter, Robert M., Decatur, Ind. Wire enameling die. 2,407,337; Sept. 10.

Krasner, Harold E., and B. Klausner, New York, N. Y. Container for explosive shells. 2,407,500; Sept. 10.

Kraus, Charles E., Rochester, N. Y. Cutter. 2,407,501; Sept. 10.

Kraus, Charles E., Rochester, N. Y. Milling cutter. 2,407,502; Sept. 10.

Kreiling, August H., assignor to Eugene Dietzgen Co., Chicago, Ill. Slide rule indicator. 2,407,338; Sept. 10.

Kress, Willard C., assignor to J. H. Williams & Co., Buffalo, N. Y. Ratchet for socket wrenches. 2,407,558; Sept. 10.

Kretchman, Stanley, Chicago, Ill. Cover removing tool. 2,407,428; Sept. 10.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making resilient bushings. 2,407,559; Sept. 10.

Kuhn, Richard, and T. Wieland, Heidelberg, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of the optically active forms of pantothenic acid. 2,407,560; Sept. 10.

Kuttner, Julius, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Wrist pin assembly. 2,407,429; Sept. 10.

Labin, Emile, New York, N. Y., assignor to Federal Telephone & Radio Corporation. Course beacon. 2,407,287; Sept. 10.

La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,407,289; Sept. 10.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Range finder. 2,407,306; Sept. 10.

Landis & Gyr, A. G., assignee: *See*— Heynisch, Paul.

Langstroth, Hall: *See*— Lundy, Clarence C., and Langstroth.

Langstroth, Hall, Hempstead, and F. C. Wallace, Flushing, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Scanning device. 2,407,305; Sept. 10.

Leadbeater, Luther: *See*— Pyne, Kenneth E. and C. D., and Leadbeater.

Lebus, William A., assignor to Prismacolor, Inc., Chicago, Ill. Film gate release. 2,407,339; Sept. 10.

Lewis, Henry M., assignor of fifty per cent to G. B. Herring, Canton, Miss. Starter adapter terminal. 2,407,611; Sept. 10.

Linch, Adrian L.: *See*— Downing, F. B., and Linch.

Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing or deactivating sludges, precipitates, and residues occurring or used in the manufacture of tetra alkyl leads. 2,407,262; Sept. 10.

Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington Del. Stabilizing or deactivating sludges, precipitates, and residues occurring or used in the manufacture of tetraalkyl leads. 2,407,263; Sept. 10.

Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing or deactivating sludges, precipitates, and residues occurring or used in the manufacture of tetraalkyl leads. 2,407,307; Sept. 10.

Lincoln, Rush A., Tarentum, Pa., assignor to Allegheny Ludlum Steel Corporation. Hollow valve for internal-combustion engine. 2,407,561; Sept. 10.

Lindh, Gunnar C. T.: *See*— High, Le Roy B., and Lindh.

Line Material Company, assignee: *See*— Woolfolk, Arthur R.

Littler, Clarence A.: *See*— Flenner, Alfred L., and Littler.

Locke, George A.: *See*— Kinkead, Fullerton S., and Locke.

Lofgren, Elnar G., Minneapolis, Minn. Induction heater. 2,407,562; Sept. 10.

Longman, Ernest G.: *See*— Smith, Charles H., and Longman.

Lorenzen, Robert, and F. Spiegel, New York, N. Y. Method and apparatus for secret signaling. 2,407,308; Sept. 10.

Losee, Kathryn A.: *See*— Lott, William A., Bergeim, and Losee.

Lott, William A., Maplewood, F. H. Bergeim, Highland Park, and K. A. Losee, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Chemotherapeutic agents of the sulphonamide type. 2,407,309; Sept. 10.

Luckock, Wayne J.: *See*— Bielski, Alex J., and Luckock.

Lundal, Ingie J., and R. P. Robichaux, assignors, by mesne assignments, of one-half to Cherry-Burrell Corporation, Chicago, and one-half to Sugar Creek Creamery Company, Danville, Ill. Making butter and butter oil concentrate. 2,407,612; Sept. 10.

Lundy, Clarence C., Floral Park, N. Y., and H. Langstroth, Greenwich, Conn., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Scanning device. 2,407,310; Sept. 10.

Luongo, Albert: *See*— Greer, John J., and Luongo.

Lynch, Charles S., Plainfield, and H. G. Codet, Mountainside, N. J., assignors to Standard Oil Development Company. Chemical process. 2,407,311; Sept. 10.

Mack Manufacturing Corporation, assignee: *See*— Heiney, John W.

MacRae, Walter S., Castle Hot Springs, Ariz. Truck unloading apparatus. 2,407,430; Sept. 10.

Madsen, Stanley, Princeton, N. J. Picture frame or the like. 2,407,431; Sept. 10.

Magerkurth, Wilhelm A., and H. E. Buecken, assignors to National Rubber Machinery Company, Akron, Ohio. Apparatus for extruding thermoplastic materials. 2,407,503; Sept. 10.

Magnus, Finn H., West Caldwell, assignor to International Plastic Harmonica Corporation, Newark, N. J. Plastic harmonica. 2,407,312; Sept. 10.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Wrapping machine. 2,407,313; Sept. 10.

Mallett, John D.: *See*— Micher, Walter W., and Mallett.

Manewich, Anthony P., Detroit, Mich. Traffic signaling system. 2,407,432; Sept. 10.

Manitoba Bridge & Iron Works Limited, assignee: *See*— McCulloch, John A., and Slasor.

Mann, Miles H., Miami, Fla., assignor to Underwood Corporation. Typewriting machine. 2,407,433; Sept. 10.

Mann, Reginald W., Monkseaton, and R. C. Wiles, Newcastle-on-Tyne, England, assignors to Victor Products (Wallsend), Limited. Compressed air-driven drill. 2,407,613; Sept. 10.

Marhoefer, Laurence J., Haddon Heights, assignor to Vidal Corporation, Camden, N. J. Glider. 2,407,563; Sept. 10.

Markle, Joseph F., Camden, N. J. Can punch and closure. 2,407,434; Sept. 10.

Marlin Firearms Company, The, assignee: *See*— Crowe, John.

Martin, Edward J., Pleasant Ridge, and C. E. Grinstead, assignors to General Motors Corporation, Detroit, Mich. Light meter. 2,407,564; Sept. 10.

Martin, Harold M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,407,504; Sept. 10.

Martin, Russell, assignor to The Coleman Lamp and Stove Company, Witchita, Kans. Furnace assembly. 2,407,375; Sept. 10.

Mason, Veyne V., Scotch Plains, assignor to Elastic Stop Nut Corporation of America, Union, N. J. Fastening device and manufacture thereof. 2,407,314; Sept. 10.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Liquid medium for ultrasonic compressional wave transmission. 2,407,315; Sept. 10.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Zinc mercaptide-aminothiazoline reaction product. 2,407,565; Sept. 10.

Mathes, Roger A., Akron, and P. C. Jones, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Bisdimethylene thiuram polysulphides. 2,407,566; Sept. 10.

Maxwell, Charles S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Colloidally dispersed dimethylol urea resins. 2,407,376 Sept. 10.

McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Lamp socket. 2,407,567; Sept. 10.

McCarthy, Louise E., Flushing, N. Y. Maternity garment. 2,407,340; Sept. 10.

McCreary, Byram L., assignee, et al.: *See*— Gearhart, Roy E.

McCreary, Richard B., assignee, et al.: *See*— Gearhart, Roy E.

McCulloch, John A., and N. R. Slasor, assignors to Manitoba Bridge & Iron Works Limited, Winnepeg, Manitoba, Canada. Weigh beam assembly. 2,407,435; Sept. 10.

McKesson, Martha F., assignee: *See*— Bloomheart, John L.

McLaughlin, John R., New Brunswick, N. J., assignor, by mesne assignments, to Tampax Incorporated, New York, N. Y. Automatic cutter. 2,407,316; Sept. 10.

Meltz, Julius B.: *See*— Rubin, Irving, and Meltz.

Mennesson, Marcel L., Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Control device for variable pitch propellers. 2,407,317; Sept. 10.

Meriam, Charles, Cleveland, Ohio, assignor to The Meriam Instrument Company. Manometer. 2,407,568; Sept. 10.

Meriam Instrument Company, The, assignee: *See*— Meriam, Charles.

Merit Engineering, Inc., assignee: *See*— Walley, Herbert H., Jr., and Keema.

Merritt, Glenn W., assignor to The Mining Safety Device Company, Bowerston, Ohio. Car-dumping apparatus. 2,407,569; Sept. 10.

Meyer, George J., Milwaukee, Wis. Vise. 2,407,341; Sept. 10.

Meyer, Max L., Los Angeles, Calif. Tiltable trap chamber measuring dispensing device. 2,407,377; Sept. 10.

Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Motor mounting for retractable lamps. 2,407,570; Sept. 10.

Michel, Philip C., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device circuit. 2407,505; Sept. 10.

Micher, Walter W., Mineola, and J. D. Mallett, Garden City, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. High-frequency apparatus. 2,407,318; Sept. 10.

Milheizler, Joseph M., assignor to H. K. Porter Company, Inc., Pittsburgh, Pa. Engine housing for locomotives or the like. 2,407, 506; Sept. 10.

Miller, Edward G., and R. E. Engberg, assignors, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Switch. 2,407,378; Sept. 10.

Miller, Kay, assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Two-way clutch. 2,407,319; Sept. 10.

Miller, Milo F., Kansas City, Mo. Intermittent switch. 2,407,571; Sept. 10.

Miller, Ohmer R., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic counter. 2,407,320; Sept. 10.

Miller Pottery Engineering Company, assignee: *See*— Miller, William J.

Miller, Robert H., Brisbane, Calif. Glue clamping device. 2,407,436; Sept. 10.

Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for producing pottery ware. 2,407,321; Sept. 10.

Mining Safety Device Company, The, assignee: *See*— Merritt, Glenn W.

Minneapolis-Honeywell Regulator Company, assignee: *See*— Guthrie, Robert G., and Chumasero. Wilson, John M.

Minnesota Mining & Manufacturing Co., assignee: *See*— Smith, Fred A.

Mitchell, Luther L., Anniston, Ala. Basket. 2,407,507; Sept. 10.

Montgomery, Robert, and G. W. Schane, assignors to The Budd Company, Philadelphia, Pa. Structure for supporting fuel tank in aircraft wings. 2,407,614; Sept. 10.

Moon, Cecil F., Cricklewood, London, and N. Collinson-Jones, Hatch End, England. Fire resisting coating and impregnating compositions. 2,407,615; Sept. 10.

Morehouse, Walter B., Auburndale, Mass. Combination bactericidal and illuminating lamp. 2,407,379; Sept. 10.

Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Unsaturated bicyclic carbonylic compounds and their preparation. 2,407,508; Sept. 10.

Morrison, David K., Arlington, Va. Differential control device. 2,407,322; Sept. 10.

Moss, Curtis W., Detroit, Mich. Music leaf turner. 2,407,572; Sept. 10.

Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Rear sight for firearms. 2,407,437; Sept. 10.

Mossberg, O. F., & Sons, Inc., assignee: *See*—
Mossberg, Harold F.

Nachman, Joseph, Philadelphia, Pa. Sewing machine. 2,407,342; Sept. 10.

National Rubber Machinery Company, assignee: *See*—
Magerkurth, Wilhelm A., and Buecken.

Nelson, Alex E., Los Angeles, assignor to Douglas Aircraft Comypany, Inc., Santa Monica, Calif. Metal forming machine. 2,407,573; Sept. 10.

Nelson, Bernard C., Norwood, Mass. Machine for treating skins and the like. 2,407,380; Sept. 10.

Newman, Eric P., Clayton, assignor to Automatic Control Corporation, St. Louis, Mo. Burner control. 2,407,438; Sept. 10.

New Wrinkle, Inc., assignee: *See*—
Waldie, William A.

Nicholson, Madison G., Jr., assignee: *See*—
Carlson, Robert W., and Nicholson.

Northern Metal Products Company, assignee: *See*—
Anstedt, Paul.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Method and apparatus for receiving radio signals. 2,407,323; Sept. 10.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Equisignal radio beacon system. 2,407,324; Sept. 10.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Circuit controller. 2,407,509; Sept. 10.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Brake control. 2,407,510; Sept. 10.

Olson, Obie E., Sandwich, Ill. Automotive gas tank cover switch. 2,407,439; Sept. 10.

Osborne, Walter, Glendale, Calif. Piston for internal-combustion engines. 2,407,440; Sept. 10.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Ebaugh, Paul.
Simison, Allen L., and Fletcher.

Painter, John L., Jr., West Newton, Pa. Form to provide air passages in concrete walls. 2,407,441; Sept. 10.

Panes, Isidore, New York, N. Y. Adjustable breast pocket. 2,407,574; Sept. 10.

Park, Joseph D.: *See*—
Benning, Anthony F., and Park.

Parkinson, David B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Range converter. 2,407,325; Sept. 10.

Parr, Josephus O., Jr., assignor to Olive S. Petty, San Antonio, Tex. Separation of blasting circuit leads. 2,407,442; Sept. 10.

Parthemos, Pete, assignee: *See*—
Stevens, George.

Patterson, Everett M., Waterbury, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Woven-wire resistance and forming the same 2,407,326; Sept. 10.

Pavelka, Joseph, assignee: *See*—
Becker, Lester O.

Pearson, Gerald L.: *See*—
Kleimack, Joseph J., and Pearson.

Pecher, Charles, Berkeley, Calif., assignor to Research Corporation, New York, N. Y. Transmitting secret intelligence. 2,407,381; Sept. 10.

Peck, William F., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Projection apparatus. 2,407,511; Sept. 10.

Perma-Seal Closure Co., assignee: *See*—
Zesbaugh, Lawrence G.

Peterson, Eric W., Glen Ellyn, assignor to Ditto, Incorporated, Chicago, Ill. Sheet moistening device for duplicating machines. 2,407,443; Sept. 10.

Petty, Olive S., assignee: *See*—
Parr, Josephus O., Jr.

Petzold, Earl E., Burbank, Calif. Machine. 2,407,512; Sept. 10.

Pfingsten, August F., Rock Rapids, Iowa. Tractor operated post driver. 2,407,444; Sept. 10.

Phelps, Guy W., and H. C. Black, assignors to Industrial Patents Corporation, Chicago, Ill. Deodorization. 2,407,616; Sept. 10.

Philco Corporation, assignee: *See*—
Spielman, Sterling C.

Phillips, Dwight M., Fullerton, assignor to Chicksan Tool Company, Brea, Calif. Electrical conducting swing joint. 2,407,445; Sept. 10.

Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft with power driven rotor. 2,407,327; Sept. 10.

Pittsburgh Plate Glass Company, assignee: *See*—
Gerhart, Howard L.
Pollack Maxwell A.

Polaroid Corporation, assignee: *See*—
Hyman, Mark, Jr.
Land, Edwin H.

Pollack, Maxwell A., Austin, Tex., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters of carbonic acid and polymers thereof. 2,407,446; Sept. 10.

Pollard, Charles E., Detroit, Mich. Fifth wheel mechanism for tractors. 2,407,447; Sept. 10.

Porter, H. K., Company, Inc., assignee: *See*—
Milheizler, Joseph M.

Pounds, Richard T., assignor to The Exact Weight Scale Company, Columbus, Ohio. Tare weight compensating apparatus for weighing scales. 2,407,513; Sept. 10.

Powers, Frank T., Glen Cove, N. Y. Traffic light. 2,407,382; Sept. 10.

Previdi, William T., Englewood, N. J. Garment sleeve. 2,407,383; Sept. 10.

Prismacolor, Inc., assignee: *See*—
Lebus, William A.

Productive Inventions, Inc., assignee: *See*—
Anderson, John W.

Protectoseal Company, The, assignee: *See*—
Dixon, Cletus L.

Purdue Research Foundation, assignee: *See*—
Degering, E. F., and Gross.
Spence, John A., and Degering.

Pursell, John D., St. Louis, Mo. Lithographic plate and making same. 2,407,290; Sept. 10.

Pyne, Clifford D.: *See*—
Pyne, Kenneth E., and C. D., and Leadbeater.

Pyne, Kenneth E. and C. D., West Wickam, and D. L. Leadbeater, Prittlewell, England. Hydraulic pump. 2,407,343; Sept. 10.

Quattlebaum, William M., Jr., Charleston, and W. J. Toussaint, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Making olefines. 2,407,291; Sept. 10.

Quayle, Joshua C.: *See*—
Walton, George H., Quayle, and Jones.

Radio Corporation of America, assignee: *See*—
Charrier, George M.
Compton, Robin D.
Hollingsworth, R. Lee.
Sachtleben, Lawrence T.
Van Ryn, Bernard.

Rainey, James L.: *See*—
Auten, Robert W., and Rainey.

Ramsay, Erskine, Birmingham, Ala. Mining machine. 2,407,448; Sept. 10.

Ramsay, Erskine, Birmingham, Ala. Mine car coupler. 2,407,449; Sept. 10.

Ramsey, Joseph D., Watertown, Mass. Ladder support. 2,407,575; Sept. 10.

Ray, William R., Glendale, Calif., assignor to General Controls Co., Thermoelectric generator. 2,407,517; Sept. 10.

Redington, F. B., Co., assignee: *See*—
Malhiot, Clarence J.

Reed, Cortes F., Anoka, assignor to C. L. Horn, Minneapolis, Minn. Chemical methods and products. 2,407,344; Sept. 10.

Reid, Frederick M., assignor to Fruchauf Trailer Company, Detroit, Mich. Spring suspension. 2,407,345; Sept. 10.

Reilly, Grace M.: *See*—
Reilly, Joe and G. M.

Reilly, Joe and G. M., Elmhurst, Ill. Torque wrench. 2,407,450; Sept. 10.

Reiniger, Haigh, Sebring, Fla. Wing tip gun position. 2,407,451; Sept. 10.

Rembert, Ernest W., Hinsdale, Ill., assignor to Johns-Manville Corporation, New York, N. Y. Manufacture of fibro-cementitious sheets. 2,407,514; Sept. 10.

Research Corporation, assignee: *See*—
Pecher, Charles.

Resinous Products & Chemical Co., The, assignee: *See*—
Auten, Robert W., and Rainey.

Rickenmann, Alfred, Zurich, Switzerland. Measuring and testing device. 2,407,576; Sept. 10.

Rickenmann, Alfred, Zurich, Switzerland. Device for dressing grinding disks. 2,407,577; Sept. 10.

Ritchie, Alexander J., assignor to Electric Boat Company, Bayonne, N. J. Synthetic fog or smoke. 2,407,384; Sept. 10.

Roberts, Dudley, Jr., executor: *See*—
Roberts, Dudley.

Roberts, Dudley, deceased, by D. Roberts, Jr., executor, assignor to Rubatex Products, Inc., New York, N. Y. Self-sealing tank. 2,407,515; Sept. 10.

Roberts, Richard F., Freeport, N. Y. Safety razor. 2,407,516; Sept. 10.

Robichaux, Roy P.: *See*—
Lundal, Ingie J., and Robichaux.

Robinson, Robert, and R. H. Cornforth, Oxford, and T. F. West, London, N. 1., assignors to Stafford Allen and Sons Limited, London, England. Preparation of 6-substituted homologues of indole. 2,407,452; Sept. 10.

Rogers, Maurice A. T., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of new coloring matters. 2,407,346; Sept. 10.

Röhm & Haas Co., assignee: *See*—
Butterbaugh, Darrel J., and Spence.

Rougier, Harry J., Dayton, Ohio. Off-peak hot-water heater. 2,407,453; Sept. 10.

Rubatex Products, Inc., assignee: *See*—
Roberts, Dudley.

Rubin, Irving, Brookline, and J. B. Meltz, Everett, Mass. Collapsible wheeled tray. 2,407,385; Sept. 10.

Sachtleben, Lawrence T., Indianapolis, Ind., assignor to Radio Corporation of America. Objective. 2,407,347; Sept. 10.

St. Palley, Zoltan O., Pittsfield, Mass., assignor to General Electric Company. Electric protective system. 2,407,521; Sept. 10.

Salmon, Reginald D.: *See*—
Thompson, Alfred E., and Salmon.

Salzberg, Paul L., Carrcroft, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Product. 2,407,292; Sept. 10.

Samuel, Arthur L.: *See*—
Hartley, Ralph V. L., and Samuel.

Sartori, Paul, Plymouth, Wis. Curd mixing and kneading machine. 2,407,617; Sept. 10.

Schane, George W.: *See*—
Montgomery, Robert, and Schane.

Schauweker, George H., assignor to American Optical Company, Southbridge, Mass. Eye protection device. 2,407,518; Sept. 10.

Scheeline, Harold W., Elizabeth, N. J., assignor to Standard Oil Development Company. Recovery of secondary olefins from acid extracts. 2,407,386; Sept. 10.

Schott, Rudolph D., Los Gatos, Calif., assignor, by mesne assignments, to Fairbanks, Morse & Co. Impeller mounting. 2,407,348; Sept. 10.

Schreiber, Max, Philadelphia, Pa., and A. Stebbins, Delanco, assignors to Century Mills, Riverside, N. J. Thread cutter. 2,407,578; Sept. 10.

Schweikher, Ernest W., Shaker Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodeposition of tin. 2,407,579; Sept. 10.

Schwitzer-Cummins Company, assignee: *See*—
Beier, Kurt A.

Scott, Gifford G., assignor to General Motors Corporation, Detroit, Mich. Long period pendulum. 2,407,580; Sept. 10.

Seewer, Paul W., Rugby, assignor to The English Electric Company Limited, London, England. Automatic speed limiting device for hydraulic turbine rotors. 2,407,454; Sept. 10.

Segal, Helen, assignee: *See*—
Segal, Hyman R.

Segal, Hyman R., assignor to H. Segal, New York, N. Y. Cowl fastener. 2,407,618; Sept. 10.

Segal, Hyman R., assignor to H. Segal, New York, N. Y. Cowl fastener. 2,407,619; Sept. 10.

Seymour, Mary E., Wichita, Kans. Clothesline. 2,407,387; Sept. 10.

Shakesby, Leonard, Wolverhampton, and S. H. Smith, Manchester, England, assignors to Imperial Industries Limited. Liquid container. 2,407,455; Sept. 10.

Shaw, Walter M., Moline, Kans. Air-cooled gas burner. 2,407,349; Sept. 10.

Shell Development Company, assignee: *See*—
Blott, John F. T., and Alexander.
Hall, Larry G., and Boucher.
Morris, Rupert C., and Shokal.

Shepherd, William G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulation. 2,407,293; Sept. 10.

Sherer, Chester H., assignee: *See*—
Henjum, Gerald J.

Shockley, William, Madison, and G. W. Willard, Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave propagation device. 2,407,294; Sept. 10.

Shokal, Edward C.: *See*—
Morris, Rupert C., and Shokal.

Simison, Allen L., and E. Fletcher, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Apparatus for producing fibrous glass. 2,407,295; Sept. 10.

Simison, Allen L., and E. Fletcher, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Producing fibrous glass. 2,407,456; Sept. 10.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge apparatus. 2,407,296; Sept. 10.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,407,297; Sept. 10.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,407,298; Sept. 10.

Slasor, Nicholas R.: *See*—
McCulloch, John A., and Slasor.

Slater, Wilfred, Quinton, Birmingham, England. Inserted tooth tool. 2,407,519; Sept. 10.

Smith, Charles H., and E. G. Longman, Chelmsford, England, assignors to Norma Hoffmann Bearings Corporation, Stamford, Conn. Cage for ball bearings. 2,407,388; Sept. 10.

Smith, Edward W., Melrose, Mass. Communication in pipe line. 2,407,299; Sept. 10.

Smith, Frank E.: *See*—
Wirshing, Ralph J., and Smith.

Smith, Fred A., Newport Beach, Calif., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Definite-length adhesive tape dispenser. 2,407,300; Sept. 10.

Smith, Marion F., and H. W. Greider, Wyoming, Ohio, assignors to The Philip Gary Manufacturing Company. Asbestos sheet material. 2,407,581; Sept. 10.

Smith, Sydney H.: *See*—
Shakesby, Leonard, and Smith.

Smolak, George, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Manufacture of dielectric shapes. 2,407,520; Sept. 10.

Snodgrass, Jerry R.: *See*—
Hull, D. C., and Snodgrass.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Stover, William A.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Resilient insulating batt. 2,407,582; Sept. 10.

Sokoloff, Herman, Kansas City, Mo. Broom holder. 2,407,457; Sept. 10.

Specialties Development Corporation, assignee: *See*—
Hannant, T. N.

Spence, John A., and E. F. Degering, West La Fayette, assignors to Purdue Research Foundation, La Fayette, Ind. Condensation of ketenes with diketones. 2,407,301; Sept. 10.

Spence, John A., and E. F. Degering, West La Fayette, assignors to Purdue Research Foundation, La Fayette, Ind. Condensation of ketenes with ketoesters. 2,407,302; Sept. 10.

Spence, Le Roy U.: *See*—
Butterbaugh, Darrel J., and Spence.

Sperry Gyroscope Company, Inc., assignee: *See*—
Ginzton, Howard L.
Hays, Robert F., Jr.
Langstroth, Hall, and Wallace.
Lundy, Clarence C., and Langstroth.
Mieher, Walter W., and Mallett.

Spiegel, Felix: *See*—
Lorenzen, Robert, and Spiegel.

Spielman, Sterling C., Huntingdon Valley, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. High voltage regulator circuit. 2,407,458; Sept. 10.

Spooner, Harry, Stephens, Ark. Nutcracker. 2,407,350; Sept. 10.

Sprigg, Edward A., Wadsworth, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for testing compressible hardness of materials. 2,407,583; Sept. 10.

Squibb, E. R., & Sons, assignee: *See*—
Lott, William A., Bergeim, and Losee.

Stafford Allen and Sons Limited, assignee: *See*—
Robinson, Robert, Cornforth, and West.

Stammbach, Walter, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Manufacture of o-sulphobenzoic acids. 2,407,351; Sept. 10.

Standard Oil Development Company, assignee: *See*—
Franklin, William B.
Jahnig, Charles E.
Kearby, Kenneth K.
Kollenberg, Conrad H.
Lynch, Charles S., and Codet.
Scheeline, Harold W.
Watkins, Charles H.

Stange, Ferdinand F.: *See*—
Cotchett, Louis M., Campbell, and Stange.

Stebbins, Alphonso: *See*—
Schreiber, Max, and Stebbins.

Stevens, George, Campbell, assignor of one-third to P. Parthemos, Youngstown, Ohio. Mason's guide. 2,407,389; Sept. 10.

Stieglitz, Henry M., assignor to Frank Adam Electric Company, St. Louis, Mo. Ring catch. 2,407,459; Sept. 10.

Strobridge Lithographing Company, The, assignee: *See*—
Wathen, Ernest L.

Storey, Oliver W., trustee: *See*—
Bussey, William H.

Storey, Q. W., & Associates, assignee: *See*—
Bussey, William H.

Stover, William A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation process. 2,407,584; Sept. 10.

Stover, William A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation process. 2,407,585; Sept. 10.

Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making shoes. 2,407,352; Sept. 10.

Stupelli, Michael J.: *See*—
Hendel, Joseph A., and Stupelli.

Submarine Signal Company, assignee: *See*—
Batchelder, Laurence.
Benioff, Hugo.
Dallin, Edwin B.
Harrison, Bertram M.
Hart, Harold M.
Hart, Robert W.
Turner, Edwin E., Jr.

Sugar Creek Creamery Company, et al. assignee: *See*—
Lundal, Ingle J., and Robichaux.

Summers, Otto M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Stress free stud. 2,407,586; Sept. 10.

Sylvania Electric Products Inc., assignee: *See*—
McCarthy, Henry J.

Tamburro, Francis P., Ozone Park, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Thread guide. 2,407,587; Sept. 10.

Tampax Incorporated, assignee: *See*—
McLaughlin, John R.

Taylor, James: *See*—
Wright, Harold R., and Taylor.

Teale, Harold A., Brooklyn, assignor to Filter Media Corporation, Irvington-on-Hudson, N. Y. Apparatus for reducing the fluid content of fluid-solid intermixture. 2,407,303; Sept. 10.

Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Shock absorber. 2,407,588; Sept. 10.

Thomson, Alex, administrator: *See*—
White, Sidney Y.

Thompson, Alfred E., and R. D. Salmon, Croydon, assignors to Creed and Company Limited, Croydon, Surrey, England. Device for preparing messages for facsimile transmission. 2,407,304; Sept. 10.

Thornes, Leslie S.: *See*—
Birch, Stanley F., Fidler, and Thornes.

Tide Water Associated Oil Company, assignee: *See*—
Galstaun, Lionel S.

Timken Roller Bearing Company, The, assignee: *See*—
Boden, Ernest G.

Tinnerman Products, Inc., assignee: *See*—
Judd, Charles H., and Giammatteo.

Toledo Scale Company, assignee: *See*—
Williams, Lawrence S.
Wood, George R.

Toussaint, Walter J.: *See*—
Quattlebaum, William M., Jr., and Toussaint.

Tremain, Henry E., and L. R. Bacon, assignors to Wyandotte Chemical Corporation, Wyandotte, Mich. Aqueous alkaline reacting cleaning bath having reduced foaming characteristics. 2,407,589; Sept. 10.

Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Sending and receiving apparatus. 2,407,328; Sept. 10.

Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,407,329; Sept. 10.

Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Direction determining system. 2,407,330; Sept. 10.

Udylite Corporation, The, assignee: *See*—
High, Le Roy B., and Lindh.

Underwood Corporation, assignee: *See*—
Mann, Miles H.

Union Switch & Signal Company, assignee: *See*—
Gilbert, Chalmers W.
Wells, Wesley B.

United Aircraft Corporation, assignee: *See*—
Caldwell, Frank W.

United Gas Improvement Company, The, assignee: *See*—
Soday, Frank J.

United Shoe Machinery Corporation, assignee: *See*—
Chandler, James D.
Stritter, Karl A.

Vanderpoel, Albert G. H.: *See*—
Crozier, Harold E., and Vanderpoel.

Van Ryn, Bernard, Chelmsford, England, assignor to Radio Corporation of America. Switch for high-frequency circuits. 2,407,460; Sept. 10.

Van Velzer, Harry L., State College, Pa. Glass bulb and flask holder. 2,407,331; Sept. 10.

Vesely, Josef, London, N. 21, England. Magazine for firearms. 2,407,461; Sept. 10.

Victor Products (Wallsend), Limited, assignee: *See*—
Mann, Reginald W., and Wiles.

Vidal Corporation, assignee: *See*—
Marhoefer, Laurence J.

Vineberg, Samuel S., Buffalo, N. Y. Heating apparatus. 2,407,590; Sept. 10.

Vinsant, Granville F., Fort Worth, Tex., assignor to Industrial Patents Corporation, Chicago, Ill. Switch for trolley rails. 2,407,620; Sept. 10.

Wagner, Julius A., Cleveland Heights, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y. Coiling apparatus. 2,407,353; Sept. 10.

Waldie, William A., Oakwood, assignor to New Wrinkle, Inc., Dayton, Ohio. Modified linseed oil wrinkle finish. 2,407,623; Sept. 10.

Wallace, Fred C.: *See*—
Langstroth, Hall, and Wallace.

Walley, Herbert H., Jr., and A. W. Keema, Providence, R. I., assignors to Merit Engineering, Inc. Spring tester. 2,407,591; Sept. 10.

Walton, George H., Helsby, near Warrington, J. C. Quayle, Helsby, and P. Jones, Kelsall, near Chester, assignors to British Insulated Cables Limited, Prescot, England. Machine for covering wires with insulating materials. 2,407,354; Sept. 10.

Warner Electric Brake Manufacturing Company, assignee: *See*—
Oetzel, John G.

Wathen, Ernest L., Rocky River, assignor to The Strobridge Lithographing Company, Cincinnati, Ohio. Display device. 2,407,592; Sept. 10.

Watkins, Charles H., Cranford, N. J., assignor to Standard Oil Development Company. Chemical process. 2,407,390; Sept. 10.

Watson, Edwin, near Littleton, Colo. Hay stacking attachment for tractors. 2,407,593; Sept. 10.

Wearn, Richard B., and G. N. Jarman, U. S. Army. Purification of acetylene by means of arsenic trichloride. 2,407,332; Sept. 10.

Weber, Henryk, Bedford, assignor of two-thirds to Guaranty Plastic Caps Limited, London S. W. 1, England. Electric lamp base or cap and bonding cement therefor. 2,407,621; Sept. 10.

Wells, Merritt R., York, Pa. Fuel tank. 2,407,622; Sept. 10.

Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 2,407,355; Sept. 10.

Wenck, Peter R., and W. A. Henson, assignors to The Dow Chemical Company, Midland, Mich. Fumigation method. 2,407,333; Sept. 10.

Wessel, Carl, assignor to C. Wessel and L. W. Cleminson, Chicago, Ill., as trustees. Casting machine. 2,407,334; Sept. 10.

West, Trustham F.: *See*—
Robinson, Robert, Cornforth, and West.

Western Electric Company, Incorporated, assignee: *See*—
Ewaldson, Waldemar C.
Wagner, Julius A.

Wethly, Frans, Manhasset, assignor to Wilputte Coke Oven Corporation, New York, N. Y. Regenerative coke oven battery. 2,407,356; Sept. 10.

Weyandt, Carl S., Homer City, Pa. Apparatus for conveying material. 2,407,357; Sept. 10.

Wheeler, Harold A.: *See*—
Johnson, John K., and Wheeler.

Whisnant, John K., assignor to American Enka Corporation, Enka, N. C. Method and apparatus for twisting thread. 2,407,358; Sept. 10.

White, Sidney Y., Wilmette, assignor to V. S. Johnson, deceased, Chicago, Ill.; A. Thomson, administrator. Radio apparatus. 2,407,359; Sept. 10.

White, Sidney Y., Wilmette, assignor to V. S. Johnson, deceased, Chicago, Ill.; A. Thomson, administrator. Temperature compensating tuned circuits. 2,407,360; Sept. 10.

Whiteley, Edward O., New York, N. Y. Supersonic treatment of fluid masses. 2,407,462; Sept. 10.

Whiteley, Fred H., Kansas City, Kans. Lettering instrument. 2,407,594; Sept. 10.

Wickwire, Arthur M., Jr., Great Barrington, Mass., assignor to Interchemical Corporation, New York, N. Y. Apparatus for smoothing hot melt coatings. 2,407,335; Sept. 10.

Wieland, Theodor: *See*—
Kuhn, Richard, and Wieland.

Wiles, Robert C.: *See*—
Mann, Reginald W., and Wiles.

Willard, Gerald W.: *See*—
Shockley, William, and Willard.

Willcox & Gibbs Sewing Machine Company, assignee: *See*—
Tamburro, Francis P.

Williams, Benjamin M., assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,407,463; Sept. 10.

Williams, J. H., & Co., assignee: *See*—
Kress, Willard C.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Ticket printing mechanism. 2,407,522; Sept. 10.

Williams, Vernon H., Androssan, and H. R. Wright, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of detonating explosives and products obtained thereby. 2,407,595; Sept. 10.

Willoughby, Victor, Concord, N. H., assignor to American Car and Foundry Company, New York, N. Y. Side plate construction for freight cars. 2,407,523; Sept. 10.

Wilputte Coke Oven Corporation, assignee: *See*—
Wethly, Frans.

Wilson, Alfred W., New Westminster, British Columbia, Canada. Trailer hitch. 2,407,464; Sept. 10.

Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature measuring system. 2,407,361; Sept. 10.

Winterfeld, Henry, New York, N. Y. Permutation lockbox. 2,407,362; Sept. 10.

Winthrop Chemical Company, Inc., assignee: *See*—
Kuhn, Richard, and Wieland.

Wirshing, Ralph J., and F. E. Smith, assignors to General Motors Corporation, Detroit, Mich. Drawing reproduction. 2,407,596; Sept. 10.

Wisecarver, George B., Pikeville, Ky. Shoe heel construction. 2,407,524; Sept. 10.

Wood, Carlos C.: *See*—
Clauser, Francis H., and Wood.

Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Food handling apparatus. 2,407,525; Sept. 10.

Woolfolk, Arthur R., Wauwatosa, assignor to Line Material Company, South Milwaukee, Wis. Making three-phase transformers. 2,407,391; Sept. 10.

Wright, Harold R.: *See*—
Williams, Vernon H., and Wright.

Wright, Harold R., West Kilbride, and James Taylor, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Explosive compositions comprising low freezing liquid mixtures of aromatic-nitro-compounds. 2,407,597; Sept. 10.

Wyandotte Chemical Corporation, assignee: *See*—
Tremain, Henry E., and Bacon.

Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Method and means for transmitting intelligence. 2,407,336; Sept. 10.

Zesbaugh, Lawrence G., Minneapolis, Minn., assignor, by mesne assignments, to Perma-Seal Closure Co. Method and apparatus for making caps or covers. 2,407,465; Sept. 10.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Preselecting mechanism. E. J. Mastney and J. H. Williams. Re. 22,790; Sept. 10.
Control means for change-speed transmissions. G. T. Randol. Re. 22,791; Sept. 10.
Conveyer. E. E. Brunner. Re. 22,789; Sept. 10.

LIST OF DESIGN INVENTIONS

Brooch or similar article. A. Phillipe. 145,585; Sept. 10.
Button or similar article. M. Ballot. 145,558; Sept. 10.
Button or similar article. W. Drell. 145,565–71; Sept. 10.
Casing, Carpet sweeper. P. Dale. 145,563; Sept. 10.
Casing or body for lighter or the like. L. Soklaski. 145,590; Sept. 10.
Clip. M. Boucher. 145,561; Sept. 10.
Clock. M. Hallward. 145,576; Sept. 10.
Coat. M. Frascino. 145,574; Sept. 10.
Extraction machine, Rug and upholstery. T. W. Doyle. 145,564; Sept. 10.
Frame for mirrors, pictures, and the like. L. M. Tolpo. 145,593; Sept. 10.
Game board. J. U. Bihl. 145,559; Sept. 10.
Hat or similar article. H. Bonn. 145,560; Sept. 10.
Lamp. H. Rubin. 145,588; Sept. 10.
Lamp, Electric. J. Lolli. 145,583; Sept. 10.
Lamp, Table. A. I. Alter. 145,557; Sept. 10.
Pen, Fountain. M. Reynolds. 145,586–7; Sept. 10.
Pin or similar article. K. Speck. 145,591; Sept. 10.
Receptacle, Pipe. F. C. Chambers. 145,562; Sept. 10.
Ring, Finger. B. Esh. 145,572; Sept. 10.
Shoe. J. Henkel. 145,577; Sept. 10.
Spoon or other article of flatware. A. G. Kintz. 145,580; Sept. 10.
Tablecloth, Lace. H. Hooven. 145,578; Sept. 10.
Tablecloth, Lace. F. P. Otto. 145,584; Sept. 10.
Towel or similar article. I. H. Hall. 145,575; Sept. 10.
Towel or similar article. A. Lange. 145,581–2; Sept. 10.
Toy figure. J. H. Wright. 145,594; Sept. 10.
Toy guitar. G. F. Kearney. 145,579; Sept. 10.
Tray. H. S. Scholl. 145,589; Sept. 10.
Tray or similar article, Ash. S. K. Frank. 145,573; Sept. 10.
Vehicle, Automotive delivery. W. S. Tandler and F. A. de Weiss. 145,592; Sept. 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorber, Shock. L. F. Thiry. 2,407,588; Sept. 10.
Acetylene by means of arsenic trichloride, Purification of. R. B. Wearn and G. N. Jarman. 2,407,332; Sept. 10.
Actuator. T. N. Hannant. 2,407,269; Sept. 10.
Actuator, Power operated. J. E. Chapman. 2,407,537; Sept. 10.
Adsorbent, Bonded. S. W. Briggs. 2,407,247; Sept. 10.
Air-cooled gas burner. W. M. Shaw. 2,407,349; Sept. 10.
Aircraft with power-driven rotor. H. F. Pitcairn. 2,407,327; Sept. 10.
Alkylation process. W. A. Stover. 2,407,584; Sept. 10.
Alkylation process. W. A. Stover. 2,407,585; Sept. 10.
Alkyls, Making lead. S. D. Heron. 2,407,551; Sept. 10.
Antenna, Directive. H. G. Busignies. 2,407,250; Sept. 10.
Antibumping device. G. L. Doelling. 2,407,226; Sept. 10.
Apparatus for conveying material. C. S. Weyandt. 2,407,357; Sept. 10.
Apparatus for determining geographic positions celestially. W. R. Barry. 2,407,467; Sept. 10.
Apparatus for extruding thermoplastic materials. W. A. Magerkurth and H. E. Buecken. 2,407,503; Sept. 10.
Apparatus for freezing. F. B. Doyle. 2,407,482; Sept. 10.
Apparatus for producing fibrous glass. A. L. Simison and E. Fletcher. 2,407,295; Sept. 10.
Apparatus for producing pottery ware. W. J. Miller. 2,407,321; Sept. 10.
Apparatus for reducing the fluid content of fluid-solid intermixture. H. A. Teale. 2,407,303; Sept. 10.
Apparatus for smoothing hot melt coatings. A. M. Wickwire, Jr. 2,407,335; Sept. 10.
Apparatus for submarine signaling. L. Batchelder. 2,407,244; Sept. 10.
Apparatus for submarine signaling. H. M. Hart. 2,407,271; Sept. 10.
Apparatus for submarine signaling. E. E. Turner, Jr. 2,407,329; Sept. 10.
Apparatus for treating material on propeller blades. J. O. Antonson. 2,407,528; Sept. 10.
Aqueous alkaline reacting cleaning bath having reduced foaming characteristics. H. E. Tremain and L. R. Bacon. 2,407,589; Sept. 10.
Attenuator. Ultra high frequency. E. L. Ginzton. 2,407,267; Sept. 10.
Automatic control. C. F. Kettering. 2,407,555; Sept. 10.
Automatic cutter. J. R. McLaughlin. 2,407,316; Sept. 10.
Automotive gas tank cover switch. O. E. Olson. 2,407,439; Sept. 10.
Basket. L. L. Mitchell. 2,407,507; Sept. 10.
Battery, Regenerative coke oven. F. Wethly. 2,407,356; Sept. 10.
Beacon, Course. E. Labin. 2,407,287; Sept. 10.
Beacon system, Equisignal radio. W. J. O'Brien. 2,407,324; Sept. 10.
Beam assembly, Weigh. J. A. McCulloch and N. R. Slasor. 2,407,435; Sept. 10.
Bearing mounting. E. G. Boden. 2,407,532; Sept. 10.
β-substituted homologues of indole, Preparation of. R. Robinson, R. H. Cornforth, and T. F. West. 2,407,452; Sept. 10.
Bicyclic carbonylic compounds and their preparation, Unsaturated. R. C. Morris and E. C. Shokal. 2,407,508; Sept. 10.
Bisdimethylene thiuram polysulphides. R. A. Mathes and P. C. Jones. 2,407,566; Sept. 10.
Bituminous composition containing mineral aggregates. J. F. T. Blott and P. Alexander. 2,407,470; Sept. 10.
Blanket and preparing same, Hectograph. R. C. Bour. 2,407,395; Sept. 10.
Blasting circuit leads, Separation of. J. O. Parr, Jr. 2,407,442; Sept. 10.
Blasting unit and short-circuiting device. J. V. Hammond and D. J. Keenan. 2,407,605; Sept. 10.
Blind. S. G. Isserstedt. 2,407,554; Sept. 10.
Bottle holder and carrier. W. A. Bertram. 2,407,529; Sept. 10.
Bracket: *See*—
Ladder bracket.
Brake. J. A. Forbes. 2,407,487; Sept. 10.
Brake control. J. G. Oetzel. 2,407,510; Sept. 10.
Brass, Anodically polishing. C. L. Faust. 2,407,543; Sept. 10.
Brooder. H. L. Clark. 2,407,601; Sept. 10.
Broom holder. H. Sokoloff. 2,407,457; Sept. 10.
Buckle and producing the same. O. Gries. 2,407,491; Sept. 10.
Building, Prefabricated. E. R. Closs. 2,407,252; Sept. 10.
Burner: *See*—
Air-cooled gas burner.
Burner control. E. P. Newman. 2,407,438; Sept. 10.
Burner for use in refrigerators or in other heat-actuated apparatus, Kerosene. G. E. Jodell. 2,407,426; Sept. 10.
Bushings, Making resilient. A. S. Krotz. 2,407,559; Sept. 10.
Butter and butter oil concentrate, Making. I. J. Lundal and R. P. Robichaux. 2,407,612; Sept. 10.
Cabin pressure control valve. B. E. Del Mar. 2,407,540; Sept. 10.
Cage for ball bearings. C. H. Smith and E. G. Longman. 2,407,388; Sept. 10.
Caps or covers, Method and apparatus for making. L. G. Zesbaugh. 2,407,465; Sept. 10.
Car-dumping apparatus. G. W. Merritt. 2,407,569; Sept. 10.
Carbureter. H. A. Carlson. 2,407,534; Sept. 10.
Carbureter. H. A. Carlson and O. J. Eickmann. 2,407,535; Sept. 10.
Carrier: *See*—
Bottle holder and carrier.
Casting machine. C. Wessel. 2,407,334; Sept. 10.
Catalytic cracking process. C. H. Kollenberg. 2,407,374; Sept. 10.
Catch, Ring. H. M. Stieglitz. 2,407,459; Sept. 10.
Cathode ray sweep circuit. G. M. Charrier. 2,407,475; Sept. 10.
Checking and comparing device, Surface. J. F. Gregg. 2,407,490; Sept. 10.
Chemical methods and products. C. F. Reed. 2,407,344; Sept. 10.
Chemical process. C. S. Lynch and H. G. Codet. 2,407,311; Sept. 10.
Chemical process. C. H. Watkins. 2,407,390; Sept. 10.
Chemotherapeutic agents of the sulphonamide type. W. A. Lott, F. H. Bergeim, and K. A. Losee. 2,407,309; Sept. 10.
Circuit: *See*—
Cathode ray sweep circuit. High voltage regulator circuit. Duplex control circuit.
Electric circuit.
Electric discharge device circuit.
Circuits, Temperature compensating tuned. S. Y. White. 2,407,360; Sept. 10.
Clamping device, Glue. R. H. Miller. 2,407,436; Sept. 10.
Clasp. L. N. Alberts. 2,407,466; Sept. 10.
Cleaning machine, Carpet and rug. C. E. Erickson. 2,407,408; Sept. 10.
Closure, Lever-track controlled boom bucket. J. H. Fitzgerald. 2,407,410; Sept. 10.
Clothesline. M. E. Seymour. 2,407,387; Sept. 10.
Clutch: *See*—
Two-way clutch.
Coal for production of an activated primary carbon, Calcining. W. C. Goss. 2,407,268; Sept. 10.
Coating and impregnating compositions, Fire-resisting. C. F. Moon and N. Collinson-Jones. 2,407,615; Sept. 10.
Coiling apparatus. J. A. Wagner. 2,407,353; Sept. 10.
Colloidally dispersed dimethylol urea resins. C. S. Maxwell. 2,407,376; Sept. 10.
Coloring matters, Manufacture of new. M. A. T. Rogers. 2,407,346; Sept. 10.
Combination bactericidal and illuminating lamp. W. B. Morehouse. 2,407,379; Sept. 10.
Communication in pipe line. E. W. Smith. 2,407,299; Sept. 10.
Communications system. W. S. Halstead. 2,407,417; Sept. 10.
Communication system. F. S. Kinkead. 2,407,286; Sept. 10.
Communication system, Carrier. L. G. Abraham. 2,407,238; Sept. 10.
Compass. F. W. Chapman. 2,407,536; Sept. 10.
Compressed air-driven drill. R. W. Mann and R. C. Wiles. 2,407,613; Sept. 10.
Container: *See*—
Liquid container.
Container. B. M. Williams. 2,407,463; Sept. 10.
Container for explosive shells. H. E. Krasner and B. Klausner. 2,407,500; Sept. 10.
Control arrangement, Lateral. F. H. Clauser and C. C. Wood. 2,407,401; Sept. 10.
Control device, Differential. D. K. Morrison. 2,407,322; Sept. 10.
Control device for variable pitch propeller. M. L. Mennesson. 2,407,317; Sept. 10.
Control for pressure cabins. B. E. Del Mar. 2,407,258; Sept. 10.
Control in signaling systems, Transmission. A. C. Dickieson. 2,407,259; Sept. 10.

Control system, Television. R. D. Compton. 2,407,403; Sept. 10.
Control system, Television. S. F. Essig. 2,407,485; Sept. 10.
Controller, Circuit. J. G. Oetzel. 2,407,509; Sept. 10.
Converter, Range. D. B. Parkinson. 2,407,325; Sept. 10.
Conveyor, Shaker. H. R. Eberle. 2,407,407; Sept. 10.
Cooling and charging apparatus, Engine. F. W. Caldwell. 2,407,223; Sept. 10.
Copper compounds of mercaptans derived from terpenes and producing them. A. L. Fox. 2,407,265; Sept. 10.
Copper compounds of mercaptans derived from pinene. A. L. Fox. 2,407,266; Sept. 10.
Counter, Electronic. O. R. Miller. 2,407,320; Sept. 10.
Coupler, Mine car. E. Ramsay. 2,407,449; Sept. 10.
Coupling device. A. J. Bielski and W. J. Luckock. 2,407,530; Sept. 10.
Cover removing tool. S. Kretchman. 2,407,428; Sept. 10.
Cowl fastener. H. R. Segal. 2,407,618–19; Sept. 10.
Crushing device. E. A. and J. A. Clemetsen. 2,407,365; Sept. 10.
Curtain-shutter and release mechanism for photographic cameras, Motor-driven. E. S. Hineline. 2,407,277; Sept. 10.
Cutter: *See*—
Automatic cutter. Thread cutter.
Milling cutter.
Cutter, C. E. Kraus. 2,407,501; Sept. 10.
Dampening device, Antiknock or detonation. H. E. Crozier and A. G. H. Vanderpoel. 2,407,478; Sept. 10.
Definite-length adhesive tape dispenser. F. A. Smith. 2,407,300; Sept. 10.
Deodorization. G. W. Phelps and H. C. Black. 2,407,616; Sept. 10.
Developer, Photographic. F. R. Bean. 2,407,600; Sept. 10.
Development and layout instrument.. G. J. Henjum. 2,407,368; Sept. 10.
Device for dressing grinding disks. A. Rickenmann. 2,407,577; Sept. 10.
Device for preparing messages for facsimile transmission. A. E. Thompson and R. D. Salmon. 2,407,304; Sept. 10.
Dielectric shapes, Manufacture of. G. Smolak. 2,407,320; Sept. 10.
Direction determining system. E. E. Turner, Jr. 2,407,330; Sept. 10.
Direction finder, Radiated-signal. J. K. Johnson and H. A. Wheeler. 2,407,281; Sept. 10.
Discharge apparatus, Electric. A. M. Skellett. 2,407,296; Sept. 10.
Discharge apparatus, Electron. A. M. Skellett. 2,407,297–8; Sept. 10.
Disconnector for electric terminal blocks. E. G. Johansson. 2,407,372; Sept. 10.
Dishwashing device. M. M. Brock. 2,407,533; Sept. 10.
Dispenser: *See*—
Definite-length adhesive tape dispenser. Non-friction bearing ball dispenser.
Dispensing device. J. R. Clem. 2,407,402; Sept. 10.
Dispensing device, Tiltable trap chamber measuring. M. L. Meyer. 2,407,377; Sept. 10.
Display device. E. L. Wathen. 2,407,592; Sept. 10.
Distance and direction finding, Method and means for. R. W. Hart. 2,407,273; Sept. 10.
Distributing apparatus. W. C. Ewaldson. 2,407,542; Sept. 10.
Doll, Jointed mannequin. M. Geller. 2,407,367; Sept. 10.
Drafting machine. L. R. Halstead. 2,407,235; Sept. 10.
Drain, Window screen. H. C. Freese. 2,407,229; Sept. 10.
Drill: *See*—
Compressed air-driven drill.
Drive for triplex pumps. A. A. Ashton. 2,407,392; Sept. 10.
Drive for web propelling rollers, Friction. A. J. Albrecht. 2,407,239; Sept. 10.
Duplex control circuit. R. W. Carlson and M. G. Nicholson, Jr. 2,407,395; Sept. 10.
Dust collecting composition. M. E. Cupery. 2,407,255; Sept. 10.
Dynamoelectric machine. H. M. Martin. 2,407,504; Sept. 10.
Ejector mechanism for firearms. J. Crowe. 2,407,477; Sept. 10.
Electric apparatus. L. P. Hart, Jr. 2,407,493; Sept. 10.
Electric circuit. F. E. Crever. 2,407,476; Sept. 10.
Electric discharge device circuit. P. C. Michel. 2,407,505; Sept. 10.
Electrical apparatus. L. Batchelder. 2,407,242; Sept. 10.
Electrical apparatus. H. Benioff. 2,407,245; Sept. 10.
Electrical apparatus. W. H. Bussey. 2,407,363; Sept. 10.
Electrical conducting swing joint. D. M. Phillips. 2,407,445; Sept. 10.
Electromagnet. E. A. Derungs. 2,407,603; Sept. 10.
Electromagnetic product and making the same. R. G. Guthrie and J. Chumasero. 2,407,234; Sept. 10.
Electron discharge device employing hollow resonators. J. E. I. Cairns. 2,407,607; Sept. 10.
Electronic device, Ultra high frequency. R. V. L. Hartley and A. L. Samuel. 2,407,274; Sept. 10.
Engine: *See*—
Internal-combustion engine
Engine valve mounting. F. G. Hobart. 2,407,422; Sept. 10.
Esters of carbonic acid and polymers thereof, Unsaturated. M. A. Pollack. 2,407,446; Sept. 10.
Esters of phosphoric acid, Preparation of neutral. D. C. Hull and J. R. Snodgrass. 2,407,279; Sept. 10.
Explosive compositions comprising low freezing liquid mixtures of aromatic-nitro compounds. H. R. Wright and J. Taylor. 2,407,597; Sept. 10.
Explosives and products obtained thereby, Manufacture of detonating. V. H. Williams and H. R. Wright. 2,407,595; Sept. 10.
Fabrics containing wool and cellulose acetate, Milling. A. S. Cluley and T. G. Allen. 2,407,602; Sept. 10.
Fastener: *See*—
Cowl fastener.
Fastening device. C. H. Judd and C. Giammatteo. 2,407,608–9; Sept. 10.
Fastening devices and manufacture thereof. V. V. Mason. 2,407,314; Sept. 10.
Firing mechanism for firearms. G. N. Albree. 2,407,526; Sept. 10.
Floor-cleaning implement. W. F. Herold. 2,407,421; Sept. 10.
Fluid masses, Supersonic treatment of. E. O. Whiteley. 2,407,462; Sept. 10.
Fluid mechanism, Elastic. R. Birmann. 2,407,531; Sept. 10.
Fluoro-chloro hydrocarbons and making them. A. F. Benning and J. D. Park. 2,407,246; Sept. 10.
Fog or smoke, Synthetic. A. J. Ritchie 2,407,384; Sept. 10.
Form to provide air passages in concrete walls. J. L. Painter, Jr. 2,407,441; Sept. 10.
Forming machine. G. O. Conner. 2,407,253; Sept. 10.
Forming machine. G. O. Conner. 2,407,254; Sept. 10.
Forming machine, Metal. A. E. Nelson. 2,407,573; Sept. 10.
Frame or the like, Picture. S. Madsen. 2,407,431; Sept. 10.
Frequency modulation. W. G. Shepherd. 2,407,293; Sept. 10.
Fuel or an aviation or motor fuel constituent, Production of an aviation or motor. S. F. Birch, F. A. Fidler and L. S. Thornes. 2,407,214; Sept. 10.
Fuel tank. M. R. Wells. 2,407,622; Sept. 10.
Fuel tank in aircraft wings, Structure for supporting. R. Montgomery and G. W. Schane. 2,407,614; Sept. 10.
Fumigation method. P. R. Wenck and W. A. Henson. 2,407,333; Sept. 10.
Furnace assembly. R. Martin. 2,407,375; Sept. 10.
Fuselage and wing construction, Aircraft. A. G. Dean. 2,407,480; Sept. 10.
Garment. M. M. Handt. 2,407,550; Sept. 10.
Garment, Maternity. L. E. McCarthy. 2,407,340; Sept. 10.
Gas unit, Multiple purpose. J. L. Bloomheart. 2,407,221; Sept. 10.
Gasket, Pipe thread. A. F. Hoesel. 2,407,552; Sept. 10.
Gasket, Pipe thread. A. F. Hoesel. 2,407,553; Sept. 10.
Gasoline, Production of. L. G. Hall and H. G. Boucher. 2,407,492; Sept. 10.
Gate release, Film. W. A. Lebus. 2,407,339; Sept. 10.
Generator: *See*—
Thermoelectric generator.
Glass bulb and flask holder. H. L. Van Velzer. 2,407,331; Sept. 10.
Glass, Producing fibrous. A. L. Simison and E. Fletcher. 2,407,456; Sept. 10.
Glass, Treating fibrous. P. Ebaugh. 2,407,483; Sept. 10.
Glider. L. J. Marhoefer. 2,407,563; Sept. 10.
Grinding machine. M. B. Boyce. 2,407,222; Sept. 10.
Guide, Mason's. G. Stevens. 2,407,389; Sept. 10.
Guide, Thread. F. P. Tamburro. 2,407,587; Sept. 10.
Gun barrels, Inspecting. A. C. W. Aldis. 2,407,598; Sept. 10.
Gun position, Wing tip. H. Reiniger. 2,407,451; Sept. 10.
Handling apparatus, Food. G. R. Wood. 2,407,525; Sept. 10.
Hardness of materials, Method and apparatus for testing the. A. J. Hodges. 2,407,278; Sept. 10.
Harmonica, Plastic. F. H. Magnus. 2,407,312; Sept. 10.
Heater: *See*—
Induction heater. Off-peak hot-water heater.
Heat-treating apparatus. E. A. Furkert. 2,407,230; Sept. 10.
Heating apparatus. S. S. Vineberg. 2,407,590; Sept. 10.
Heel construction, Shoe. G. B. Wisecarver. 2,407,524; Sept. 10.
High-frequency apparatus. W. W. Mieher and J. D. Mallett. 2,407,318; Sept. 10.
High voltage regulator circuit. S. C. Spielman. 2,407,458; Sept. 10.
Hitch, Trailer. A. W. Wilson. 2,407,464; Sept. 10.
Holder: *See*—
Broom holder. Glass bulb and flask holder.
Holding and feeding device, Pad. M. Dessaur. 2,407,404; Sept. 10.
Housing for locomotives or the like, Engine. J. M. Milheizler. 2,407,506; Sept. 10.

Hydraulic pump. K. E. and C. D. Pyne, and D. L. Leadbeater. 2,407,343; Sept. 10.
Hydrocarbon oils, Conversion of. C. E. Jahnig. 2,407,371; Sept. 10.
Hydrocarbons, Dehydrogenation of. K. K. Kearby. 2,407,373; Sept. 10.
Igniter for internal-combustion engines. E. D. Chaplin. 2,407,474; Sept. 10.
Impeller mounting. R. D. Schott. 2,407,348; Sept. 10.
Indicator: *See*—
Slide rule indicator.
Indicator with excess counter, Mean-value. P. Heynisch. 2,407,369; Sept. 10.
Induction heater. E. G. Lofgren. 2,407,562; Sept. 10.
Injection in internal-combustion engine, Fuel. G. S. Kammer. 2,407,610; Sept. 10.
Inner soles, Method and apparatus for forming thermoplastic. Le R. B. High and G. C. T. Lindh. 2,407,495; Sept. 10.
Inserted tooth tool. W. Slater. 2,407,519; Sept. 10.
Insulating batt, Resilient. F. J. Soday. 2,407,582; Sept. 10.
Intermittent switch. M. F. Miller. 2,407,571; Sept. 10.
Internal-combustion engine. A. F. Hoesel. 2,407,606; Sept. 10.
Interpolymerization products. G. F. D'Alelio. 2,407,479; Sept. 10.
Isomerization process. W. B. Franklin. 2,407,488; Sept. 10.
Joint: *See*—
Electrical conducting swing joint.
Juice absorber, Tobacco pipe. W. Ehrhardt. 2,407,484; Sept. 10.
Ketenes with diketones, Condensation of. J. A. Spence and E. F. Degering. 2,407,301; Sept. 10.
Ketenes with ketoesters, Condensation of. J. A. Spence and E. F. Degering. 2,407,302; Sept. 10.
Ladder bracket. V. C. Ehnborn. 2,407,541; Sept. 10.
Ladder support. J. D. Ramsey. 2,407,575; Sept. 10.
Lamp: *See*—
Combination bactericidal and illuminating lamp.
Lamp base or cap and bonding cement therefor, Electric. H. Weber. 2,407,621; Sept. 10.
Leaf turner, Music. C. W. Moss. 2,407,572; Sept. 10.
Lettering instrument. F. H. Whiteley. 2,407,594; Sept. 10.
Level or like surveying instrument. J. E. Gudmundson. 2,407,416; Sept. 10.
Light: *See*—
Traffic light.
Light meter. E. J. Martin and C. E. Grinstead. 2,407,564; Sept. 10.
Light signal. W. B. Wells. 2,407,355; Sept. 10.
Liquid container. L. Shakesby and S. H. Smith. 2,407,455; Sept. 10.
Lock box, Permutation. H. Winterfeld. 2,407,362; Sept. 10.
Low temperature process of polymerizing iso-olefinic material. H. Hartvigsen. 2,407,494; Sept. 10.
Machine. E. E. Petzold. 2,407,512; Sept. 10.
Machine for covering wires with insulating materials. G. H. Walton, J. C. Quayle, and P. Jones. 2,407,354; Sept. 10.
Machine for treating skins and the like. B. C. Nelson. 2,407,380; Sept. 10.
Magazine for firearms. J. Vesely. 2,407,461; Sept. 10.
Manometer. C. Meriam. 2,407,568; Sept. 10.
Measuring and testing device. A. Rickenmann. 2,407,576; Sept. 10.
Measuring system, Temperature. J. M. Wilson. 2,407,361; Sept. 10.
Mechanical motion, System for indicating. J. K. Johnson. 2,407,282; Sept. 10.
Mechanotherapeutic equipment. F. Kelhoffer. 2,407,283; Sept. 10.
Meter: *See*—
Light meter.
Milling cutter. C. E. Kraus. 2,407,502; Sept. 10.
Mining machine. E. Ramsay. 2,407,448; Sept. 10.
Mixing and kneading machines, Curd. P. Sartori. 2,407,617; Sept. 10.
Modulator, Electron capacity and electron capacity. R. L. Hollingsworth. 2,407,424; Sept. 10.
Moistening device for duplicating machines, Sheet. E. W. Peterson. 2,407,443; Sept. 10.
Moisture removal in isomerization processes. L. S. Galstaun. 2,407,231; Sept. 10.
Mold for use in the manufacture of optical elements M. Hyman, Jr. 2,407,280; Sept. 10.
Molecular absorption of vibration, Method and apparatus for. C. W. Chamberlain. 2,407,400; Sept. 10.
Monitoring system. H. M. Bascom. 2,407,241; Sept. 10.
Mounting: *See*—
Bearing mounting. Impeller mounting.
Engine valve mounting. Rubber spring mounting.
Mounting for retractable lamps, Motor. C. E. Meyerhoefer. 2,407,570; Sept. 10.
Non-friction bearing ball dispenser. J. D. Farries. 2,407,409; Sept. 10.
Nutcracker. H. Spooner. 2,407,350; Sept. 10.
O-sulphobenzoic acids, Manufacture of. W. Stammbach. 2,407,351; Sept. 10.
Objective. L. T. Sachtleben. 2,407,347; Sept. 10.
Off-peak hot-water heater. H. J. Rougier. 2,407,453; Sept. 10.
Olefins from acid extracts, Recovery of secondary. H. W. Scheeline. 2,407,386; Sept. 10.
Olefins, Making. W. M. Quattlebaum, Jr., and W. J. Toussaint. 2,407,291; Sept. 10.
Optical system. A. H. Bennett. 2,407,219; Sept. 10.
Optically active forms of pantothenic acid, Manufacture of. R. Kuhn and T. Wieland. 2,407,560; Sept. 10.
Ornament, Lady's hair. S. Behr. 2,407,393; Sept. 10.
Oscillator, Magnetostriction. L. Batchelder. 2,407,243; Sept. 10.
Outlet, Air distribution. W. W. Kennedy. 2,407,284; Sept. 10.
Package, Dispensing. J. S. Graziano. 2,407,415; Sept. 10.
Padlock. H. B. Dutton. 2,407,406; Sept. 10.
Paper with thermoresponsive resins, Surface coating tissue. I. Gurwick. 2,407,549; Sept. 10.
Pendulum, Long period. G. G. Scott. 2,407,580; Sept. 10.
Percussion tool. R. Goldschmidt. 2,407,604; Sept. 10.
Pin assembly, Wrist. J. Kuttner. 2,407,429; Sept. 10.
Piston for internal-combustion engines. W. Osborne. 2,407,440; Sept. 10.
Plate and making same, Lithographic. J. D. Pursell. 2,407,290; Sept. 10.
Plate construction for freight cars, Side. V. Willoughby. 2,407,523; Sept. 10.
Pocket, Adjustable breast. I. Panes. 2,407,574; Sept. 10.
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CLASSIFICATION OF PATENTS

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In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1946

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THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 590—No. 3 TUESDAY, SEPTEMBER 17, 1946 Price—$16 per year

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September 17, 1946

Trade-Marks	222—No.	423,911	to No.	424,132, inclusive.
T. M. Renewals	154			
Reissues	2—No.	22,792	to No.	22,793, inclusive.
Plant Patents	1—No.	710		
Patents	346—No.	2,407,624	to No.	2,407,969, inclusive.
Designs	13—No.	145,595	to No.	145,607, inclusive.
Total	738			

Public Law 620—79th Congress

[CHAPTER 775—2D SESSION]

[H. R. 4080]

AN ACT

To authorize the Commissioner of Patents to designate Examiners to serve temporarily as Examiners in Chief.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That notwithstanding the provisions of section 476 of the Revised Statutes (U. S. C., title 35, sec. 2), the Commissioner of Patents is authorized to designate Examiners of the Principal Examiner grade or higher, having the requisite ability, to serve as Examiners in Chief and such Examiners so designated shall be fully qualified to act as members of the Board of Appeals constituted by section 482 of the Revised Statutes (U. S. C., title 35, sec. 7): *Provided,* That no such Examiner shall so serve for more than ninety days in any calendar year but thereafter they shall have authority to act and sign decisions and papers necessary to complete action on cases heard during such ninety days: *And provided further,* That not more than one such Examiner shall be among the members of the Board of Appeals hearing an appeal.

SEC. 2. This act shall take effect on the date of approval and shall expire three years after such date.

Approved August 7, 1946.

Order No. 4079

August 16, 1946.

The following units of the United States Patent Office are hereby transferred from Richmond, Va., to Gravelly Point, Washington, D. C., beginning on or about September 30, 1946:

The First Assistant Commissioner's Office;
The Law Examiner's Office;
The Supervisory Examiners' Office;
The Law Library;
The Drafting Division;
The parts of the following divisions still remaining in Richmond:
The Chief Clerk's Office;
The Personnel Office;
The Issue and Gazette Division;
The Docket Clerk's Division;
The Financial Clerk's Division;
The Mail Room;
The Assignment Division;
The Stockroom;
The following Examining Divisions: 1, 2, 4, 5, 8, 9, 11, 12, 13, 14, 17, 18, 19, 20, 22, 28, 29, 30, 32, 33, 34, 35, 36, 39, 40, 44, 45, 46, 47, 49, 52, 53, 57, 58, 61, and 62; and any and all units or parts thereof now remaining in Richmond.

THOMAS F. MURPHY,
Acting Commissioner.

Approved for change of station:

H. A. WALLACE,
Secretary of Commerce.

Trade-Mark Registrations Canceled

146,225. Wheat flour. Fisher Flouring Mills Company, Seattle, Wash. Registered Sept. 6, 1921. Canceled Aug. 7, 1946.

387,012. Thermoplastic mending adhesive tape. Textileather Corporation, Toledo, Ohio. Registered Apr. 29, 1941. Canceled July 9, 1946.

411,941. Shoes. Sears, Roebuck and Co., Chicago, Ill. Registered Feb. 13, 1945. Canceled Aug. 7, 1946.

416,683. Certain named chemicals. Monsanto Chemical Company, St. Louis, Mo. Registered Sept. 25, 1945. Canceled Aug. 7, 1946.

421,577. Shaving cream and soaps. Golden Arrow Toiletries, New York, N. Y. Registered June 4, 1946. Canceled Aug. 7, 1946.

421,578. Deodorants. Golden Arrow Toiletries, New York, N. Y. Registered June 4, 1946. Canceled Aug. 7, 1946.

Condition of Applications Under Examination at Close of Business August 30, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 123,022; Trade-Mark Division, 10,061. Oldest new case, March 23, 1945; oldest amended, March 21, 1945.)
(The dates given are 1945 except where † indicates 1946.)

	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
		New	Amended	
1.	GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 11	June 11	2219
2.	HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 1	June 5	2707
3.	SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	May 23	May 19	1917
4.	BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Aug. 2	Aug. 24	2161
5.	ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 1	3416
6.	GENIESSE, E. W., Carbon Chemistry (part)	Oct. 10	Oct. 16	1099
7.	JARBOE, C. G., Optics, Photography	Oct. 22	Oct. 16	2041
8.	IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 18	July 26	2916
9.	BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 18	Apr. 19	2025
10.	ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	July 18	July 13	1473
11.	BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Dec. 22	†Feb. 6	656
12.	SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 6	June 21	2357
13.	BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 13	June 28	1934
14.	HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Sept. 22	Sept. 17	1364
15.	HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	May 25	Sept. 13	1242
16.	LOVEWELL, N. N., Telegraphy; Telephony	Aug. 24	Aug. 18	1186
17.	HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 10	Mar. 21	1097
18.	KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	May 28	June 29	1706
19.	PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 18	Sept. 22	1525
20.	BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 6	June 9	1719
21.	THOMPSON, T. J., Textiles	Oct. 31	Dec. 13	745
22.	CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	June 29	1770
23.	LEWIS, J. B., Cash Registers; Calculators (part)	May 28	July 13	246
24.	LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Dec. 29	†Jan. 1	1065
25.	BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	July 2	July 18	1469
26.	YOUNG, R. R., Electricity—Generation and Motive Power	June 7	June 1	1838
27.	CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	May 10	June 2	1905
28.	SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	May 24	May 5	1337
29.	SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	June 27	June 18	2048
30.	BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 3	July 11	2212
31.	DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Feb. 14	†Feb. 14	924
32.	LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Aug. 18	Sept. 7	1842
33.	KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	June 29	July 4	2666
34.	SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	July 26	Aug. 27	1149
35.	BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	July 18	Aug. 31	1770
36.	McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1509
37.	WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 14	May 3	1318
38.	KRAFFT, O. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Aug. 9	July 21	1209
39.	WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	May 1	May 1	2276
40.	DRUMMOND, E. J., Receptacles (part); Packages	Aug. 10	Sept. 26	2248
41.	HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 24	July 3	846
42.	MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Sept. 21	Sept. 21	958
43.	STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	June 14	June 22	1272
44.	HARVEY, L. P., Refrigeration; Preserving	Apr. 12	June 4	1145
45.	LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 5	July 14	2338
46.	MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	July 11	Aug. 9	1357
47.	KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 8	Sept. 15	2446
48.	BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Apr. 5	Apr. 9	1867
49.	SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 3	Aug. 6	1515
50.	LEVIN, SAMUEL, Synthetic Resins	Sept. 13	Sept. 13	2218
51.	FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	June 7	June 6	2173
52.	KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	May 3	July 3	2879
53.	BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 17	May 7	3008
54.	STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 22	May 23	2047
55.	BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Aug. 10	Aug. 21	1566
56.	COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	July 9	July 12	1492
57.	NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Mar. 23	May 21	2612
58.	DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 3	Nov. 28	1197
59.	SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	May 9	May 14	2022
60.	GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Aug. 3	1804
61.	YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	June 7	June 19	2374
62.	PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 5	Apr. 5	3289
63.	WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	June 2	Apr. 27	1951
64.	NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Feb. 1	†Jan. 29	1056
65.	McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	May 17	May 26	2338
	Trade-Marks: RICHMOND, F. A.	Dec. 14	†May 21	10081
	Designs: KALUPY, H. H.	Nov. 23	†June 1	6366

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

DRAEGER ET AL. *v.* BRADLEY

No. 5,137. Decided May 7, 1946. Petition for rehearing denied July 9, 1946

[— F.(2d) —; 70 USPQ 183]

1. INTERFERENCE — EVIDENCE — STIPULATED ORAL TESTIMONY.

Where Draeger et al. entered into a stipulation as to the testimony which would be given by Bradley and his witnesses, if called to testify, *Held* that they were bound by the stipulated testimony and in no position to challenge the finding of the Board of Interference Examiners that, though unsupported by documents, it was sufficient to establish prior conception by Bradley.

2. APPEAL—INTERFERENCE.

Where the Board of Interference Examiners ruled that Bradley had not established actual reduction to practice, but nevertheless awarded priority to him, *Held* that, as an appellee, he was entitled to contest this ruling, although he took no cross-appeal .

APPEAL from the Patent Office. Affirmed.

Mr. W. E. Currie, Mr. P. L. Young and *Mr. W. F. Weigester* (*Mr. J. Cashman* of counsel) for Draeger et al.

Mr. Sol Shappirio for Bradley.

GARRETT, *P. J.:*

This is an appeal from the decision of the Board of Interference Examiners of the United States Patent Office awarding Bradley priority in an interference proceeding, declared between applications, involving the following two counts:

1. Process of producing alkymers from isoparaffins and olefins which comprises alkylating an isoparaffin with an olefin by contacting and agitating the olefin, isoparaffin and concentrated sulfuric acid catalyst and maintaining the molecular ratio of isoparaffin to olefin at the point where the olefin initially contacts the sulfuric acid catalyst at least about fifty to one.

2. Process of producing alkymers from isobutane and butylene which comprises alkylating isobutane with butylene by contacting and agitating said butylene, isobutane and concentrated sulfuric acid catalyst and maintaining the molecular ratio of isobutane to butylene at the point where the butylene initially contacts the catalyst at least about fifty to one.

The questions presented before use do not require detailed analysis of the counts. The first count is directed to isoparaffins and olefins broadly. The second is limited to isobutane and butylene. Both counts recite the maintaining "at least about fifty to one" the molecular ratio of the substances at the point of their initial contact with the catalyst.

The joint application (Serial No. 238,966) of Draeger and Shewell was filed November 5, 1938. On January 3, 1939, there was filed a joint application (Serial No. 248,928) in the names of Bradley and one Karl J. Korpi, and an interference (No. 78,868) was declared (in which two applications of other parties were involved) on December 6, 1940. Prior to the expiration of the time for filing preliminary statements Korpi filed an affidavit disclaiming inventorship, the joint application, Serial No. 248,928, was converted, under the regular procedure of the Patent Office, into a sole application by Bradley, and the interference was reformed (under the same interference number) on February 19, 1941.

At some time during the proceedings the other two applications were eliminated from the interference and were not involved in the decision of the Board here on appeal.

So, the controversy before us is limited to the Draeger and Shewell joint application on the one hand, and the Bradley sole application on the other.

As the junior party, it was incumbent upon Bradley (whose application was assigned to his employer, the Union Oil Company of California) to establish priority by a preponderance of the evidence. To that end evidence, hereinafter discussed, was introduced.

So far as disclosed by the record before us, Draeger et al. did not file a preliminary statement. They introduced no evidence of any character, and, therefore, are limited to the filing date (November 5, 1938) of their joint application.

Upon the record, the Board held, in substance, (1) that Bradley had established conception of the invention "not later than March, 1938"; (2) that Bradley had not established actual reduction to practice and, consequently, was dependent on the constructive reduction to practice resulting from the filing of the application, Serial No. 248,928, on January 3, 1939, but (3) that Bradley had proved diligence during the critical period, and on the basis of the findings of fact so made awarded priority to Bradley.

Before us counsel for Draeger et al. challenge the Board's holding as to (1) Bradley's conception date and (2) its holding as to Bradley's diligence. Counsel for Bradley defends those holdings and, in addition, insists that, upon the record presented, Bradley should be awarded actual reduction to practice prior to the filing date of the Draeger et al. application.

The Board, as is apparent from its decision, analyzed the record with great care, quoting much of the testimony upon which its finding of Bradley's conception was based; pointed out wherein it deemed the evidence insufficient to establish actual reduction to practice by Bradley, and recited in considerable detail the evidence upon which it based its finding of Bradley's diligence.

[1] Upon the question of Bradley's conception the evidence consists solely of testimony which counsel for Draeger et al. stipulated with counsel for Bradley (or his assignee) would be given by Bradley himself and six other persons, if called to testify.

The several witnesses are described as follows in the decision of the Board:

The junior party's [Bradley's] record consists of the stipulated testimony of seven witnesses, all employed by

Union Oil Company of California, assignee of the Bradley application. Bradley was employed as a research chemist in the research department from April 27, 1931, to April 1, 1938, and as a technical assistant in the patent department between April 1, 1938, and February 17, 1939. Korpi worked as a research chemist in the research department between June, 1937, and January 3, 1939. Moulton and Vermeulen were both employed as research chemists in the research department until the filing date of the Bradley application, the former entering upon this capacity November 1, 1937, and the latter August, 1937. Bradley, Korpi, Moulton, and Vermeulen all worked under the direct supervision of Blount, who was research supervisor in the research department during the years 1937 through 1939. Parker was employed as a process engineer in the development between April 25, 1938, and January 3, 1939. Lee has been working as a research chemist in the research department since 1932.

No documentary exhibits bearing upon the question of Bradley's conception were filed in support of the stipulated oral testimony and the lack of documentary evidence was emphasized before the Board which stated:

• • • It is true that written records are a great aid in fixing the date and nature of a disclosure and that in a doubtful case the presence or absence of such records may be an important factor. However, documentary evidence is not essential to proof of conception and conception may be established by proper oral testimony alone. *Clark* v. *Birdsey*, 56 App. D. C. 136, 1926 C. D. 199, 350 O. G. 687, 10 F.(2d) 1001; *Jardine and Jehle* v. *Long*, 19 C. C. P. A. 1243, 1932 C. D. 493, 423 O. G. 933, 58 F.(2d) 836, 13 USPQ 254. In the present case the stipulated testimony of four corroborating witnesses, Korpi, Blount, Moulton, and Vermeulen is completely consistent and was not attacked or weakened by cross-examination. Aside from the mere lack of written records, there is no reason for holding that this stipulated testimony is not credible evidence and this single deficiency alone is not fatal to Bradley's proof of conception.

In its decision the Board quoted the pertinent stipulated testimony of Korpi, Blount, Moulton, and Vermeulen, and we here quote that of Blount:

Prior to March, 1938, said Bradley had carried out small scale laboratory experiments in the laboratory of Union Oil Company on the alkylation of isoparaffins, such as isobutane with olefins, such as butylene in the presence of concentrated sulfuric acid and during this period, said Bradley conceived and disclosed to him the idea of alkylating isobutane with butylene by contacting and agitating a mixture of butylene and isobutane with concentrated sulfuric acid while maintaining a molecular ratio of isobutane to butylene at the point where the butylene initially contacts the sulfuric acid at least about fifty to one.

The stipulated testimony of Korpi, Moulton, and Vermeulen, quoted by the Board, is the same in purport as that of Blount.

The Board's holding that conception may be established by proper oral testimony is, of course, amply supported by the authorities which it cited and it does not seem to us that Draeger et al., having stipulated as they did, are now in any position which warrants their challenge of the correctness of the Board's finding. They, of course, were under no compulsion to enter into the stipulation. Had they not done so, undoubtedly it would have been necessary for Bradley and at least some of the corroborating witnesses to have been examined in the regular manner, in which event they could have been fully cross-examined.

It is true, as is suggested in the brief for Draeger et al. before us, that the stipulated testimony quoted by the Board is "in language virtually identical to the language of the counts," and it is a fair assumption that the stipulation was entered into long after the time of the conception claimed by Bradley, but the fact remains that Draeger et al. did enter into the agreement as to what the witnesses would testify and so are bound by the stipulated testimony which, clearly, is sufficient to establish Bradley's conception prior to the entry of Draeger et al. into the field.

The evidence relating to Bradley's claimed reduction to practice is described by the Board as follows:

The party Bradley's evidence of reduction to practice relates to forty-nine runs reported in weekly reports W. R. 1 to W. R. 44 inclusive and monthly reports M. R. 1 to M. R. 8 inclusive. The reports are adequately identified by Bradley and the corroborating witnesses Korpi, Moulton, Vermeulen, Blount, and Parker and the conduct of the operations reported therein is sufficiently described by the corroborating witnesses Korpi, Moulten and Vermeulen.

Further, the Board said:

In order to prove that these runs resulted in a reduction to practice Bradley must establish by sufficient observation and proper calculation that the molecular ratio of isoparaffin in general or isobutane in particular to olefin in general or butylene in particular at the point where the olefin or butylene initially contacts the sulfuric acid catalyst was maintained at least about fifty to one. The observations must be sufficient to permit of proper calculation and any assumptions involved in the calculation must be warranted by the actual facts or by accepted scientific principles.

[2] Following the foregoing, the Board proceeded to analyze a number of the runs (it being conceded that many of them were unsuccessful) in the light of the stipulated testimony relative to the calculations, formulas, etc., concerning them, and, for the reasons stated by it, concluded that the proof was deficient as to any actual reduction to practice by Bradley, but upon the basis of runs, as shown in weekly and monthly reports during the critical period, held that he had established diligence.

As has been indicated, counsel for Bradley (or his assignee) contends before us that the evidence is sufficient to support an award of actual reduction to practice on his part prior to the filing date of the Draeger et al. application—that is prior to November 5, 1938.

Being an appellee, Bradley was entitled to make the contention (although he took no cross-appeal) and we have given consideration to the arguments concerning it, with the result that we are not persuaded that the Board's holding concerning that phase of the controversy was erroneous. Since, however, we find ourselves in agreement with the Board's holding upon the matter of Bradley's diligence, it is unnecessary to our decision to discuss in detail the matter of his alleged reduction to practice.

Draeger et al. contended below and here contend that the critical period with respect to diligence began just prior to October 29, 1938, the date on which the oath to the Draeger et al. application was taken, rather than just prior to November 5, 1938, the date of filing the application in the Patent Office. The contention was noted by the Board but was not ruled upon because of its view that upon the record "the holding with respect to diligence will be the same no matter which date is treated as the beginning of the critical period."

The Board based its finding of diligence upon various runs made at a pilot plant of Bradley's assignee, as shown by documentary evidence in the form of weekly and monthly reports filed as exhibits and explained in the stipulated oral testimony of various witnesses.

From the Board's decision, we quote the following:

According to Korpi's testimony additional runs were made on the following dates which were reported in the following Bradley exhibits:

32	October 24, 1938	W. R. 34, M. R. 6
33	October 27, 1938	W. R. 34, M. R. 6
34	October 31, 1938	W. R. 35, M. R. 6
35	November 2, 1938	W. R. 35, M. R. 6
36	November 11, 1938	W. R. 36, M. R. 6
37	November 17, 1938	W. R. 37, M. R. 7
38	November 21, 1938	W. R. 38, M. R. 7
39	November 30, 1938	W. R. 39, M. R. 7
40	December 7, 1938	W. R. 40
41	December 12, 1938	W. R. 41, M. R. 8
42	December 15, 1938	W. R. 41, M. R. 8
43	December 16, 1938	W. R. 41, M. R. 8
44	December 19, 1938	W. R. 42, M. R. 8
45	December 22, 1938	W. R. 42, M. R. 8
46	December 28, 1938	W. R. 43, M. R. 8
47	December 31, 1938	W. R. 43, M. R. 8
48	January 3, 1939	W. R. 44, M. R. 8
49	January 5, 1939	W. R. 44, M. R. 8

Bradley Exhibits M. R. 6, 7, and 8 are entitled monthly reports for the months of October, 1938; November, 1938; and December, 1938, and January, 1939. Bradley Exhibits W. R. 34 through 44 are weekly reports for each of the weeks from the week ending October 28, 1938, to the week ending January 6, 1939, inclusive. The reports were identified not only by Korpi but also by Bradley, Moulton, and Blount. Korpi, Moulton, and Blount also testified concerning the work reported in these documents. All this evidence shows diligence during the critical period in attempting to reduce to practice the invention here in issue, even though the proof is deficient as to actual reduction to practice. It may be noted that the reports include calculated data as to volumetric reaction zone ratios of isobutane to olefins for all runs except 33, 34, and 40. On the basis of this evidence, the party Bradley is deemed to have made the required showing of diligence.

We concur with the decision of the Board of Interference Examiners upon all phases of the controversy presented, and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BECK ET AL.

No. 5,135. Decided May 7, 1946

[155 F.(2d) 398; 69 USPQ 520]

1. REFERENCE—COPENDING PATENT.

Where appellants' application and the prior application for a cited patent were copending, and during the period of copendency became assigned to the same assignee, *Held* that the patent was a reference not only "for what it claims but for what it discloses"; that "the mere fact that the two inventors, having a common assignee, cannot have an interference under the rules of the Patent Office does not change the situation"; and that the "rule of election as to which application will carry the claims in an interference has nothing to do with the question."

2. SAME—SAME.

"It would be in contravention of the statute to allow the appealed claims since under section 4886 R. S. a patent can only be granted where the patent sought is for an invention which had not previously been known or used by others. Upon the instant record, Altwicker et al. knew about the invention before appellants' filing date."

3. SAME—SAME—RULE 75.

The case of *The Alexander Milburn Co.* v. *Davis-Bournonville Co.*, 270 U. S. 390, 344 O. G. 817, "supports the conclusion that when a patent is issued it constitutes evidence that everything disclosed by it was known by others in this country at least as early as the filing date of the application on which the patent issued. Another applicant can, under rule 75, get behind such filing date, but no such effort was made here and the mere fact that there was copendency in the applications and that they finally found common ownership does not change the situation."

APPEAL from the Patent Office. Affirmed.

Mr. Samuel Z. Gordon for Beck et al.

Mr. John Boyle for Alien Property Custodian.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

The Board of Appeals of the United States Patent Office affirmed the action of the Primary Examiner in finally rejecting claims 14 to 18, inclusive, and claim 24 of appellants' application for a patent on a magnesium base alloy. The Examiner had also rejected claims 21, 22, 23, and 25, but the Board reversed his decision as to those claims and allowed the same and the question of their patentability is not before us.

Appellants have appealed from the decision of the Board affirming that of the Examiner in rejecting claims 14 to 18, inclusive, and claim 24. In this court appellants' brief states, "claim 24 is withdrawn," which leaves for consideration only claims 14 to 18, inclusive.

Claim 14 is regarded as illustrative and reads as follows:

14. A cast article of a magnesium base alloy, said alloy containing between about 0.1 and about 2.0% of cerium and between about 0.5 and about 12.0% of zinc and having been annealed at a temperature between about 120° and about 250° C., the alloy being characterized by greater freedom from micro-shrinkage than a magnesium base alloy of the same composition but not containing said amount of cerium.

In appellants' brief, under the caption, "Questions Presented", the following is stated:

Two broad questions are presented by this appeal. The first is to what extent the Altwicker patent may legally be used as a reference in view of the common ownership of the Altwicker patent and appellant's application at the time they were copending in the Patent Office. • • •

The second question at issue is whether, assuming that the disclosure of a copending patent may legally be a bar to the common owner, the Altwicker patent discloses the same invention as appellant's.

The invention is briefly described in the brief of the Solicitor for the Patent Office as follows:

The application here involved discloses a magnesium base alloy containing between 0.1 and 2% of cerium and between 0.5 and 12% of zinc. It also discloses the heat treatment of such alloys at a temperature such as 515° C. and annealing at 175° C.

The rejection by the Examiner of the claims before him was on the ground that they were not patentable in view of the reference, Altwicker et al., 2,221,319, November 12, 1940, and some of the claims were rejected by combining the Altwicker et al. patent with the French patent to Haughton, 810,610, March 24, 1937.

In a supplemental statement made after the application had been remanded to the Examiner in

view of certain papers filed on behalf of the Alien Property Custodian, who prosecuted the instant application and represents the applicants here, the Examiner adhered to his original rejection of the claims. The supplemental statement was prompted by the fact that the papers filed presented evidence that the application of the patent to Altwicker et al. (which patent comprises the principal reference) and the instant application were copending at the time of the final rejection of the latter and were at that time both owned by the same party. The appellants there contended, and here contend, that the Altwicker patent should not be used as a reference in view of the common ownership of the two applications, urging that they had the right of election as to which application should contain the instant disputed matter, and also urging that, in any event, the said patent could only be used as a reference for what it claimed and not for what it disclosed.

The Board of Appeals in its decision held that the evidence disclosed by the affidavits submitted by appellants to the effect that during the last five months of pendency of the patent application title to the instant application was in the same company owning the patent did not require a holding that the Altwicker patent could not be properly used as a reference. It pointed out that there was no assignment of record of the instant application. (An assignment was subsequently recorded.) We find it unnecessary to discuss the effect of the assignment on the record because we disagree with the contention of the appellants that under the circumstances of this case it is improper to regard the Altwicker patent as a reference.

On the controlling issue in the case, and in applying the references, the Board stated:

> We have been unable to find in the decisions any indication that the common assignee obtains any right as against the public by virtue of common ownership which he would not have had in the absence of common ownership. Ordinarily when claims of an application are rejected on the *unclaimed disclosure* of a patent of prior date, the only way that the patent can be overcome is by proceedings under rule 75. Just why an inventor other than the patentee should find himself relieved of rule 75 proceedings merely because he had, during the pendency of the patent application, assigned his application to the owner of the patent, is not apparent, and our attention has not been called to any such ruling. It is not seen how an inventor can assign any greater rights than he acquired by the filing of his application.
>
> Applying this reasoning to the present case we see no reason to question the soundness of the Examiner's position in taking the *disclosure* of the patent as the reference. [Italics quoted.]

The authorities we have consulted are as follows: Rule 94; *Schreiber* v. *Bauer*, 1919 C. D. 4; *Tunstall* v. *White*, 1926 C. D. 19; *Haight* v. *Nell*, 1927 C. D. 4; *Chillas* v. *Weisberg*, 1928 C. D. 24; *In re Dunbar*, 1922 C. D. 105, 278 Fed. 334; *Ex parte Clawson*, 1929 C. D. 67; *In re Mann et al.*, 1931 C. D. 252, 47 F.(2d) 370; *In re Howard*, 1932 C. D. 73, 53 F.(2d) 896; *In re Willoughby*, 1937 C. D. 427, 88 F.(2d) 482; and *In re Allen*, 1940 C. D. 598, 112 F.(2d) 840.

Altwicker discloses an alloy which *contains* magnesium, manganese, cerium, zinc and aluminum. The instant application, among its various disclosures of alloys would include an alloy having the five metals above mentioned and in addition one or more of the following: cadmium, tin, and silver. [Italics quoted.]

Claims 17 and 18 read in terms on the Altwicker disclosure. In claim 18 there is an indirect reference to aluminum and silicon which have not been included in the positive recital of components. The reference is "the aluminum content * * * being less than * * *" and the same type of reference to silicon is made. This claim does not necessitate the presence of either material; so both are disregarded.

* * * * * * *

> Claims 14, 15, and 16 are for a cast article of a specified alloy, which has been annealed within a specified temperature range, and has certain properties. The ingredients of the alloy and their proportions fall within the disclosure of Altwicker. The Examiner has cited a French patent which shows a heat treatment within the claimed range of a magnesium base, cerium-containing alloy, of somewhat different composition. Applicant's argument emphasizes the difference of the compositions but does not controvert the Examiner's position that it is notoriously old to heat treat metals having a predominance of magnesium. We are of the opinion that the Examiner's position is sound that these claims lack invention over the art.
>
> Commenting on the Examiner's supplemental statement we note that claim 1 of the Altwicker patent recites the four ingredients of Example 6; that claims 1 and 2 are closed as to composition, and that claim 3 is open, reciting that the alloy *contains* cerium and manganese in addition to magnesium. This does not exclude the alloys of the appealed claims. If one were to rely solely on the claims of the patent, certain of the appealed claims do not draw a clear line of division with the claims of the patent. The need for drawing a clear line that would not require speculation is pointed out in *In re Willoughby*, cited above. [Italics quoted.]

The Altwicker patent, among its various disclosures, sets out in Example No. 6 an alloy composed of pure magnesium with 2% manganese, 0.4% cerium and 0.6% zinc.

The French patent to Haughton discloses the improvement of magnesium alloys containing cerium by heat treatment at 400° C. and tempering at 130 to 220° C.

It was the view of the Board, as it was that of the Examiner, that claims 17 and 18 "read in terms on the Altwicker disclosure." These two claims are for a base casting alloy, while claims 14, 15 and 16 are for a cast article of a specified alloy which has been annealed within a certain temperature range. The Board pointed out that the ingredients of the alloy and their proportions fall within the disclosure of Altwicker and that the French patent "shows a heat treatment within the claimed range of a magnesium base."

The Examiner and the Board pointed out that it was "notoriously old" to heat treat metals having a predominance of magnesium.

Claim 15 adds to claim 14 the statement that the alloy, prior to annealing, is heated to a temperature "below but in the vicinity of the solidus point," which, according to the application, is "about 515° C." The French patent discloses heating to about 400° C. prior to the heat treating or annealing at the lower temperature. These is nothing in the record which shows the difference between 400° C. and 515° C. as being critical.

Claim 16, while similar to 15, merely states that the annealing period is longer than the heating period. The French patent meets this by stating that the heating period is 400° C. for fifteen minutes while the annealing period is "one or more days."

The first and most important question involved is whether or not the contentions of appellants either that the Altwicker patent is not a proper reference (no affidavit under rule 75 of the Rules of Practice in the United States Patent Office was filed) or that the Altwicker patent can only be considered for what it claims rather than for what it discloses are sound. We are in entire agreement with the holding of the Board in this respect.

The application involved in the patent was filed October 22, 1938, the patent issuing on November 12, 1940, while the instant application, which as far as the record discloses was an independent invention (the inventors in the application being different parties from those in the patent), was filed March 2, 1940. The two applications were copending for about eight months before the issuance of the patent. The affidavit and record disclose that the instant application was assigned to the common assignee, the Magnesium Development Corporation, on October 23, 1940, about three weeks before the issuance of the patent.

[1] We are in agreement with the holding of the Board that the Altwicker patent is not only a proper reference for what it claims but for what it discloses and the mere fact that the two inventors, having a common assignee, cannot have an interference under the rules of the Patent Office does not change the situation. Patents must be issued to the first inventor. The record clearly indicates that any patentable subject matter involved in the appealed claims was first invented by Altwicker. The rule of election as to which application will carry the claims in an interference has nothing to do with the question.

Neither is this a case where there is a voluntary division or a requirement for division, and although appellants have stated that the subject matter of the patent claims and of the appealed claims is "divisible" they have not argued here that they are entitled to have the instant application regarded as a true division of the application which has developed into the patent.

We think the law applicable to this situation is somewhat clarified by the reasoning in the decisions in *Chillis* v. *Weisberg*, 1928 C. D. 24, 370 O. G. 3, and in *In re Dunbar*, 51 App. D. C. 251, 1922 C. D. 105, 278 Fed. 334, 300 O. G. 201.

[2] It would be in contravention of the statute to allow the appealed claims since under section 4886 R. S. a patent can only be granted where the patent sought is for an invention which had not previously been known or used by others. Upon the instant record, Altwicker et al. knew about the invention before appellants' filing date. They said nothing about annealing, but this was admittedly old and sufficiently disclosed in the Haughton patent.

[3] In *The Alexander Milburn Co.* v. *Davis-Bournonville Co.*, 270 U. S. 390, 344 O. G. 817, this subject matter is treated in a way that we think is convincing of the correctness of the Board's position. This case supports the conclusion that when a patent is issued it constitutes evidence that everything disclosed by it was known by others in this country at least as early as the filing date of the application on which the patent issued. Another applicant can, under rule 75, get behind such filing date, but no such effort was made here and the mere fact that there was copendency in the applications and that they finally found common ownership does not change the situation.

The decision of the Board of Appeals as to appealed claims 14 to 18, inclusive, is affirmed for reasons assigned by the Board, and the appeal is dismissed as to claim 24.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE RIDDLE

No. 5,153. Decided May 7, 1946

[155 F.(2d) 268; 69 USPQ 535]

PATENTABILITY—INSULATION.

Claims to an alumina insulating material and method of making the same *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Scott H. Lilly (*Messrs. Owen & Owen* of counsel) for Riddle.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 1, and 3 to 9, inclusive) in appellant's application for a patent for an alleged invention relating to an "alumina insulating material and method of making the same."

Claims 1, 3, 4, 5, and 6 are product claims, of which claim 3 is illustrative. Claims 7, 8, and 9 are method claims, of which claims 8 and 9 are illustrative.

Claims 3, 8, and 9 read:

> 3. A stable, dense, fine grained, vitreous, sintered electric insulator consisting of crystallized alumina and glass, and comprising at least 75% alumina, from 5% to 15% silica, and alkaline earth compound in an amount at least two-fifths as much as there is silica.
>
> 8. The method of making an electric insulator which consists in firing to vitrification a ceramic body comprising a major portion of alumina crystals and mullite mineral that is transformed into mullite below cone 20, and mineralizers that bring the maturing point of the body below cone 20 but leave it above the transforming temperature of the mullite mineral, the mineralizers comprising alkaline earth compounds, and governing the time of firing and the proportion of silica to alkaline earth compound so that not more than 2% of mullite crystals are left in the fired body.
>
> 9. The method of making an electric insulator which consists in firing to vitrification a ceramic body comprising about 84% alumina crystals, about 10% mullite materials and about 6% mineralizers consisting chiefly of alkaline earth compounds, and continuing the firing until there are no mullite crystals detectable in the fired body.

The references are: Wood, 2,195,950, April 2, 1940; Fessler et al., 2,272,618, February 10, 1942.

Appellant's insulator consists essentially of crystals of alumina bonded together by silica glass, and is substantially free from mullite. The process comprises the firing of ceramic materials which include alumina and silica. It appears that under certain conditions ceramic materials combine to form mullite, which is an aluminum silicate, and which, according to the record, is undesirable in an electric insulator. Appellant states in his applica-

tion that mullite may be eliminated from the insulating material by the use of "alkaline earth fluxes"; that "Compounds of beryllium have the least inhibiting effect of this group of compounds, while compounds of magnesium are more effective, and compounds of calcium, strontium and barium are still more effective"; and that mullite may be entirely inhibited by the use of oxides of calcium, strontium and barium. Appellant's insulating material is alleged to be particularly suitable for use in spark plugs.

The patent to Wood discloses a process of making a refractory body by firing a mixture consisting mainly of alumina and silica. The patentee states that the occurrence of mullite in the final product may be avoided by the use of a flux containing fluorspar (calcium fluoride) or cryolite (sodium aluminum fluoride). Calcium is an alkaline earth metal, the oxide of which is called alkaline earth, and sodium is an alkali metal. See Webster's New International Dictionary. The patentee also states:

> If, however, the body be found to contain mullite, either the firing temperature should be reduced or the quantity of fluorine-containing substance should be increased, or both, until mullite disappears from the body * * *.

The Fessler et al. patent relates to spark plug insulators, and discloses a process which includes the firing of materials including alumina and silica in the presence of alkaline earth fluxes, such, for example, as magnesium oxide. The patentees teach that corundum (alumina) and glass are effective electric insulators. However, they do not teach how the firing conditions could be regulated to eliminate mullite from the insulator, nor do they suggest that it is desirable to eliminate it. On the contrary, the patentees state that their spark plug insulator constains mullite, and some of the claims of their patent expressly call for the presence of mullite crystals.

The Primary Examiner rejected all of the appealed claims as being unpatentable over each of the references of record.

In affirming the decision of the Primary Examiner, the Board of Appeals relied mainly on the disclosure in the Fessler et al. patent. It very briefly discussed the patent to Wood, and stated that Wood's product was substantially the same as that defined in appealed claim 1 and that his disclosure anticipated the subject matter defined in method claims 7 and 8. The Board did not expressly reverse the holding of the Primary Examiner that each of the appealed claims was unpatentable over the disclosure in the patent to Wood, but, on the contrary, entered a general affirmance of the Examiner's decision, which includes an affirmance of the rejection of all of the appealed claims on the disclosure in the Wood patent. See *In re Boyce*, 32 C. C. P. A. (Patents) 718, 144 F.(2d) 896, 63 USPQ 80, 568 O. G. 568, and cases therein cited.

It may be, as stated by the Board, that the spark plug insulator disclosed in the patent to Fessler et al. is free from mullite crystals. However, as hereinbefore noted, the patentees not only do not suggest the desirability of eliminating mullite from their insulator, but some of the claims of the patent expressly call for the presence of mullite. But, be that as it may, we are of opinion, for the reasons hereinafter stated, that the tribunals of the Patent Office were right in holding that the appealed claims are unpatentable over the references of record.

Each of the appealed claims recites, in its introductory clause, an "electric insulator" or a "method of making an electric insulator," and counsel for appellant urge that those introductory clauses are limitations in the claims which distinguish them from the disclosure in the Wood patent.

It will be recalled that the composition disclosed in the patent to Wood consists substantially of corundum (alumina) and glass. As hereinbefore noted, both of those materials are effective insulators, and it is evident that the composition disclosed by Wood has electric insulating properties. Whether the patentee's product is as effective as an insulator as that of appellant, or whether it would be suitable for use in spark plugs, is not material to the issues here presented, since the appealed claims do not specify any particular degree of insulation nor do they contain any reference to spark plugs. Accordingly, even though, as argued by counsel for appellant, the introductory clauses be regarded as placing definite limitations on the claims, the claims do not distinguish from the composition disclosed in the Wood patent.

It is stated in each of the appealed claims, with the exception of claim 1, that an alkaline earth compound is used in making appellant's product, and it is alleged by counsel for appellant that the use of alkaline earth compounds to eliminate mullite from appellant's product, instead of calcium fluoride or sodium aluminum fluoride (used by the patentee Wood for the same purpose), involves invention.

It is the contention of counsel for appellant that the alkaline earth compounds called for by the appealed claims are intended to include only such compounds as contain oxygen, and were not intended to include compounds which do not contain oxygen, such as calcium fluoride (fluorspar) a compound of the earth metal, calcium, used by Wood.

Assuming that counsel's interpretation of claims 3 to 9, inclusive, is correct, and that those claims are limited to the use of alkaline earth compounds which contain oxygen, the question presented is whether the use of such compounds renders those claims patentable over the prior art. The mere fact that a difference exists between the fluxing materials used by the patentee Wood and those called for by the claims here on appeal is not sufficient to warrant a holding that the appealed claims are patentable. "It is elementary that novelty alone is not sufficient to impart patentability to a claim. Invention must be present." See *In re Hass et al.*, 31 C. C. P. A. (Patents) 895, 141 F.(2d) 122, 60 USPQ 544, 563 O. G. 576, and cases therein cited.

It is not stated in appellant's application that oxygen is an essential or important ingredient of the fluxing material. While it is true that the materials given in the specific examples all contain oxygen, the specification contains broad references to "compounds of calcium, strontium and barium," and compounds of magnesium or beryllium, and the effectiveness of those compounds is compared solely on the basis of the particular metal which they contain. This clearly suggests that it is the metal which is considered the vital element of the compound, and that the other elements in the compound are not important.

In an affidavit filed during the prosecution of his application before the Primary Examiner, appellant asserted that Wood's products, made by the use of "alkali compounds," would not be as effective as insulators as appellant's products, made by the use of alkaline earth compounds, and gave as his reason for that statement that Wood's compounds contain fluorine and that "fluorine in any considerable quantities is detrimental to the insulating qualities of a ceramic composition at high temperatures." It is not alleged in appellant's application or in his affidavit that his fluxing material, which contains oxygen, is superior to a fluxing material which does not contain oxygen.

Under such circumstances, we are unable to hold that the use of a fluxing material, which contains oxygen, produces an insulating material which is patentably different from the insulating material disclosed in the patent to Wood.

Counsel for appellant also contend that the patent to Wood fails to disclose "mullite material," called for by appealed claims 5, 6, and 9, or "mullite mineral," called for by appealed claims 7 and 8, within the meaning of those terms as defined in appellant's application.

Appellant states in his application that—

> In the appended claims, the term "mullite material" is employed to cover either previously formed mullite or materials which would be transformed to mullite during the normal firing of the body, in the absence of an inhibitor, while "mullite mineral" is employed to cover andalusite, cyanite, sillimanite, dumortierite, and similar aluminum silicate minerals that are transformed into mullite upon heating at temperatures below the temperature at which pure alumina and silica unite to form mullite.

The patentee Wood plainly states that his product may contain mullite, unless a sufficient amount of flux is included. The flux, therefore, acts as an inhibitor and, since the materials used would be transformed to mullite if the flux were not present, they are mullite materials or mullite minerals within the meaning of those terms as employed by appellant.

Claims 1, 3, 4, 5, 6, 8, and 9 contain references to specific proportions of ingredients, and, in addition, claim 8 contains reference to specific temperatures. The proportions and temperatures specified in the claims closely approximate those disclosed in the patent to Wood, and it has not been established that such differences as exist differentiate appellant's insulating material from that disclosed by Wood.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SCHARF

No. 5,133. Decided May 7, 1946

[— F.(2d) —; 69 USPQ 518]

1. APPEAL—EFFECT OF GENERAL AFFIRMANCE BELOW.
   "The Board did not refer to the Primary Examiner's rejection of the appealed claims on the grounds of aggregation and undue multiplicity either in its original decision or in its decision on appellant's request for reconsideration of its original decision. However, it entered a general affirmance of the Examiner's decision, which amounts to an affirmance of the Examiner's holding that the claims were unduly multiplied."
2. SAME—REASONS OF APPEAL.
   "In his appeal to this court, appellant did not assign as one of his reasons of appeal that the Board erred in rejecting the appealed claims on the ground of undue multiplicity. That ground of rejection, therefore, is not before us for consideration. Accordingly, should we disagree with the Board's holding that the appealed claims are unpatentable over the disclosures in the prior art, the decision of the Board would, nevertheless, have to be affirmed."
3. CLAIMS—MULTIPLICITY.
   "It is well settled that undue multiplicity of claims is a proper ground of rejection."

APPEAL from the Patent Office. Affirmed.

Mr. Charles E. Carney (*Mr. A. Ponack* of counsel) for Scharf.

Mr. W. W. Cochran for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 1, 2, 3, 5, 6, and 9) in appellant's application for a patent for an alleged invention relating to a product comprising soybean lecithin (soybean phosphatide), in an amount not less than 20%, and a substance rich in vitamin B complex, and a process of making the same.

Claims 1 and 3 are sufficiently illustrative of the appealed claims. They read:

> 1. A product containing commercial soybean lecithin and a substance rich in the vitamin B complex the amount of phosphatides being not less than about 20% of the vitamin B containing material.
> 3. The process of preparing a mixture of soybean phosphatides and a substance containing the vitamin B complex which comprises triturating the phosphatides with the substance containing the vitamin B complex, the amount of phosphatide being at least 20% of the vitamin B containing material.

The references are: Bresnick, 2,007,108, July 2, 1935; Holmes, 2,051,257, Aug. 18, 1936; Schultz et al., 2,136,399, Nov. 15, 1938; Thurman, 2,201,064, May 14, 1940; Nitardy, 206,113; July 2, 1940; U. S. Dispensatory, 22d Ed. (1937) pages 1448, 1449; William & Spies publication "Vitamin B_1 and Its Use in Medicine," page 283.

Reference showing the state of the art: Sollman—Manual of Pharmacology (1932) page 412.

Appellant's alleged invention is sufficiently described in the quoted claims.

In his application, appellant states:

> It has been found that a higher intake of vitamin B_1 in the diet will require more choline in the diet, while an increased intake of phosphorus in the diet will require more vitamin B_1, and that it is advantageous to administer said substances together and in the proper relation.

This can be achieved with lecithin, which yields during digestion both choline and phosphoric acid and which may be combined with some vitamin B containing material such as yeast or rice-polish.

Appellant further states in his application that vitamin B_1 aids in the conversion of sugar to fat, and that "choline has a hormonal effect in maintaining the normal level of liver fat and the normality of the lipoid metabolism."

The appealed claims were rejected by the Primary Examiner on all the foregoing stated references, except the William & Spies publication. The claims were further rejected by the Examiner as covering merely an aggregation of old and well-known medicinals in which each performs its function without co-action with the other medicinals, and also on the ground of undue multiplicity.

As to the latter ground of rejection, the Primary Examiner said:

The claims are further rejected as being unduly multiplied. Claim 1 as amended and claim 6 fail to differ patentably. Claim 1 uses the expression "soybean lecithin" while claim 6 uses the expression "soybean phosphatides." The soybean phosphatide, however, is soybean lecithin as shown by the dispensatory and by page 2, lines 3 and 6, of the specification. Hence, claims 1 and 6 are for the same composition. It does not appear necessary to have two claims for the same thing.

[1] In affirming the decision of the Primary Examiner, the Board of Appeals cited the William & Spies publication, which had not been cited by the Examiner, and apparently relied upon the disclosure in that reference and the disclosures in the patents to Schultz et al. and Nitardy. The Board did not refer to the Primary Examiner's rejection of the appealed claims on the grounds of aggregation and undue multiplicity either in its original decision or in its decision on appellant's request for reconsideration of its original decision. However, it entered a general affirmance of the Examiner's decision, which amounts to an affirmance of the Examiner's holding that the claims were unduly multiplied.

[2] In his appeal to this court, appellant did not assign as one of his reasons of appeal that the Board erred in rejecting the appealed claims on the ground of undue multiplicity. That ground of rejection, therefore, is not before us for consideration. Accordingly, should we disagree with the Board's holding that the appealed claims are unpatentable over the disclosures in the prior art, the decision of the Board would, nevertheless, have to be affirmed. Under the circumstances "it would avail appellant nothing for us to decide" the issues raised by his reasons of appeal which aver that the Board erred in holding that the appealed claims are unpatentable over the prior art and that they are aggregative. See *In re Boyce*, 32 C. C. P. A. (Patents) 718, 144 F.(2d) 896, 63 USPQ 80, 568 O. G. 568, wherein we quoted from the headnotes of our decision in the case of *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 780, 17 USPQ 330, 433 O. G. 223, as follows:

The Board of Appeals having affirmed the decision of the Examiner in rejecting the claims of appellant on certain grounds and upon certain named references, *held* that such affirmance has the legal effect of a rejection upon the grounds and references cited by Examiner, and not expressly reversed by the Board. [Italics quoted.]

We then said:

The rule thus announced was not deemed to be revolutionary in character but was thought to be based upon sound reason in the light of the statute defining the court's jurisdiction in patent appeals. Its reasonableness has never been challenged before us by the patent bar, but, repeatedly, we have been confronted with appeals in cases where the Board made no mention of some of the references cited by Examiners and appellants failed (as appellant here failed) to challenge their application in the reasons of appeal so as to require or admit of their consideration by us. Such situations have frequently caused embarrassment to counsel, and, in some measure, to the court, since it is our desire to give full consideration to every element involved in cases brought before us. This we do when the reasons of appeal conform to the statute and the rules.

It is our hope that all the attorneys engaged in the practice of patent law may become familiar with the rule announced in the Wagenhorst case, supra, and appreciate the necessity of observing it, and, with the thought in mind that it may aid in emphasizing its importance, we have collated an extensive list of cases in which it has been applied since its original announcement more than eleven years ago, from which time it has been consistently followed by us.

The court then cited twenty-seven cases in support of the stated rule, and held that as the Board had entered a general affirmance of the Examiner's decision rejecting the claims there on appeal, but referred in its decision to but one of the references relied upon by the Examiner, and as appellant in his reasons of appeal in this court assigned error only as to the applicability of the reference referred to by the Board, the court was required to treat all of the references cited by the Examiner as valid, and stated that should we be of opinion that the claims were patentable over the reference referred to by the Board, the Board's decision would, nevertheless, have to be affirmed. See also *In re Dichter*, 27 C. C. P. A. (Patents) 1060, 110 F.(2d) 644, 45 USPQ 91, 519 O. G. 1049; *In re Rosenblatt*, 28 C. C. P. A. (Patents) 1036, 118 F.(2d) 590, 49 USPQ 117, 530 O. G. 506; *In re Arter*, 32 C. C. P. A. (Patents) 882, 886, 147 F.(2d) 701, 64 USPQ 563, 574 O. G. 395; *In re Charles Brown Dalzell et al.*, 32 C. C. P. A. (Patents) 938, 941, 148 F.(2d) 357, 65 USPQ 215, 576 O. G. 7; *In re Smith*, 32 C. C. P. A. (Patents) 1256, 150 F.(2d) 700, 66 USPQ 306; *In re Gustav Glocker*, 33 C. C. P. A. (Patents) —, 153 F.(2d) 119, 68 USPQ 194, 586 O. G. 3,

[3] It is well settled that undue multiplicity of claims is a proper ground of rejection. *In re Buttolph*, 22 C. C. P. A. (Patents) 973, 75 F.(2d) 629, 24 USPQ 375, 456 O. G. 503.

Although we are without jurisdiction in the instant case to determine the soundness of the Primary Examiner's rejection of the appealed claims on the ground of undue multiplicity, we have expressed our views with regard to the latitude that should be permitted applicants in defining their invention in claims worded in different language in our decision in the case of *In re Glenn D. Wood and Fred L. Turner* (appeal No. 5,138, decided April 1, 1946), 33 C. C. P. A. (Patents) —, — F.(2d) —, 69 USPQ 337.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,594,162, M. A. Feinstein, Heel, D. C., N. D. Ohio, E. Div., Doc. 21903, *M. A. Feinstein* v. *I T S Co.* Order dismissing case July 25, 1946.

1,624,887. (See Re. 20,092.)

1,635,784, J. Griffith, Bowling alley; 1,714,310, E. Hedenskoog, Ball retarder for bowling alleys, D. C., S. D. N. Y., Doc. 16273, *The Brunswick-Balke-Collender Co.* v. *American Bowling & Billiard Corp.* Patent 1,635,784 held not infringed Oct. 26, 1943; Patent 1,714,310 held not infringed Feb. 23, 1943; order on mandate affirming and amending decree of Feb. 23, 1943, by holding claim 1 of 1,714,310 invalid July 9, 1945.

1,673,727. (See Re. 19,023.)

1,696,119, R. E. Heisel, Paper machinery; 1,912,605, F. W. Wickery, Doctor for paper-making and like machines, D. C. Mass., Doc. 4546, *Vickery, Inc.*, v. *Loding Engineering Corp.* Consent judgment for plaintiff for injunction as to 1,912,605 Jan. 3, 1946.

1,714,310. (See 1,635,784.)

1,744,016, A. P. Steckel, Metal rolling; 1,779,195, same, Method and apparatus for rolling thin sheetlike material, filed July 22, 1946, D. C., N. D. Ohio, E. Div., Doc. 24189, *The Union National Bank of Youngstown, Ohio* v. *Greer Steel Co.*

1,779,195. (See 1,744,016.)

1,808,893, L. C. Heckert, Insecticide, D. C. Del., Doc. 301, *Hercules Powder Co.* v. *Rohm & Haas Co.* "Claims 1, 2, 3, and 7 held invalid and not infringed Feb. 9, 1944."

1,846,863, H. F. Hagen, Fan and method of operating same; 1,989,413, 1,887,873, 2,022,313, same, Centrifugal fan, D. C., S. D. N. Y., Doc. 30/618, *The American Blower Corp.* v. *B. F. Sturtevant Co.* Consent order of discontinuance Aug. 1, 1946.

1,887,873. (See 1,846,863.)

1,906,260, J. T. Gibbs, Game, filed July 17, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5565–W, *J. T. Gibbs* v. *Skill-A-Line.* Doc. 5566–Y, *J. T. Gibbs* v. *T. C. Faulkner.*

1,912,605. (See 1,696,119.)

1,936,375, C. E. Beecher, Laminated sheet material; 1,965,719, R. F. Nelson, Method and machine for making laminated paper; 2,128,739, C. M. Connor, Laminated glassine paper, D. C. Mass., Doc. 3903, *The Glassine Paper Co.* v. *Westfield River Paper Co.* Stipulation of dismissal Dec. 21, 1945.

1,943,890 (*a*), Gibson & Rohlin, Method of and apparatus for heating and degasifying liquids; 2,047,291, 2,047,292, V. A. Rohlin, Water purifying and degasifying apparatus, filed July 22, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1325, *Cochrane Corp.* v. *The Lehon Co. et al.*

1,943,890 (*b*), Gibson & Rohlin, Method of and apparatus for heating and degasifying liquids; 2,047,291, V. A. Rohlin, Water purifying and degasifying apparatus, filed July 22, 1946, D. C., N. D. Ind. (Hammond), Doc. 730, *Cochrane Corp.* v. *Graver Tank & Mfg. Corp.*

1,957,335, L. W. Haas, Bleaching agent for flour dough and process of preparing bleached dough for white bread; Re. 19,712, same, Bleaching agent and process of preparing bleached flour dough; Re. 22,227, Haas & Bohn, Bleaching agent and process of utilizing the same for bleaching flour, D. C., N. D. Ill., E. Div., Doc. 45c1750, *Dietetic Flour Mills, Inc.*, v. *J. R. Short Milling Co.* Complaint and counterclaim dismissed without prejudice (notice Aug. 1, 1946).

1,965,719. (See 1,936,375.) 1,989,413. (See 1,846,863.)

1,994,555, C. Wilson, Frying apparatus, D. C. Mass., Doc. 2962, *C. Wilson* v. *J. C. Pitman & Sons, Inc.* Order of dismissal for failure of plaintiff to appear when called for trial Mar. 14, 1946.

2,022,313. (See 1,846,863.)

2,047,291. (See 1,943,890 (*a*) and (*b*).)

2,047,292. (See 1,943,890 (*a*).)

2,065,655, G. Clausing, Shoe last, D. C. Mass., Doc. 4373, *Vulcan Corp.* v. *International Shoe Machine Corp. et al.* Judgment for defendants Jan. 31, 1946.

2,072,416, Berndt & Creighton, Method of irradiating substances with active rays, D. C., S. D. N. Y., Doc. 23/373, *The R. U. V. Engineering Corp.* v. *The Borden Co.* Order holding claims 13, 14, 16, 17, and 18 invalid, complaint dismissed July 30, 1946.

2,096,289, D. M. Palmer, Machine drive arrangement, filed Aug. 1, 1946, D. C., N. D. Ohio, W. Div., Doc. 5537, *D. M. Palmer et al.* v. *Sun Oil Co.*

2,128,739. (See 1,936,375.)

2,172,826, F. H. Spalink, Slip, filed July 18, 1946, D. C., S. D. N. Y., Doc. 37/4, *A. J. Bernstein* v. *Gluck & Cohen.*

2,190,880, P. M. Moss, Draw works line controller, filed July 18, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5572–W, *P. M. Moss* v. *Patterson Ballagh Corp. et al.*

2,209,689, W. H. Dew, Gasoline metering mechanism for trucks, D. C. Mass., Doc. 1842, *E. L. Beckwith* v. *S. F. Bowser & Co., Inc.* Patent held valid and infringed, injunction June 11, 1946.

2,255,611, J. H. Brown, Hat fastener, filed July 23, 1946, D. C., S. D. N. Y., Doc. 37/74, *J. H. Brown* v. *Albee Sales Co. et al.*

2,276,253. (See 2,288,585.)

2,288,585, Partee & Gray, Wood finishing apparatus; 2,341,161, same, Wood finishing; 2,276,253, W. W. Partee, same, D. C. Del., Doc. 406, *Virginia Oak Flooring Co.* v. *E. L. Bruce Co.* Claims 3 and 4 of 2,276,253, claims 1, 2, and 5 of 2,288,585, and claims 1, 2, 5, 6, and 7 of 2,341,161 held invalid July 31, 1946.

2,292,628, B. W. Fry, Coin selector; 2,326,673, Patzer & Tratsch, Coin chute, D. C., N. D. Ill., E. Div., Doc. 45c1618, *National Slug Rejectors, Inc.* v. *A. B. T. Mfg. Corp.* Complaint and counterclaim dismissed for want of equity (notice Aug. 1, 1946).

2,326,673. (See 2,292,628.) 2,341,161. (See 2,288,585.)

2,351,492, E. Cowles, Method and apparatus for treating paper stock, filed July 22, 1946, D. C., S. D. N. Y., Doc. 37/67, *The Cowles Co. et al.* v. *San-Nap-Pak Mfg. Co., Inc.* Same, filed Aug. 2, 1946, D. C., S. D. N. Y., Doc. 37/168, *The Cowles Co. et al.* v. *Frost White Paper Mills, Inc.*

2,353,063. (See Re. 22,289.)

2,354,797, 2,370,937, A. Cocozella, Shoemaking, D. C. Mass., Doc. 4108, *A. Cocozella* v. *Dartmouth Shoe Co.* Stipulation of dismissal Nov. 9, 1945.

2,370,937. (See 2,354,797.)

2,378,995, T. R. Freeman, Foundation structure, filed July 10, 1946, D. C., E. D. Mo. (St. Louis), Doc. 4739, *T. R. Freeman* v. *S. Lumetta et al.*

2,383,941. (See Re. 22,289.)

2,403,520, T. C. Gerner, Drive shaft bushing assembly, filed July 27, 1946, D. C., W. D. Okla. (Oklahoma City), Doc. 3140. *National Machine Works* v. *H-C Products Co.*

Re. 19,023 (of 1,673,727), L. V. Aronson, Cigar lighter, filed July 26, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1344, *Ronson Patents Corp.* v. *Pakula & Co.*

Re. 19,712. (See 1,957,335.)

Re. 19,944. (See Re. 20,092.)

Re. 20,092, C. E. Mason, Control mechanism; Re. 19,944, E. H. Bristol, Control system; 1,624,887, same, Measuring and controlling instrument, C. C. A., 2d Cir., Doc. —, *The Foxboro Co.* v. *Taylor Instrument Companies.* Judgment reversed, complaint dismissed (notice July 25, 1946).

Re. 22,227. (See 1,957,335.)

Re. 22,289, C. W. Otis, Display; 2,383,941, 2,353,063, same, Ornamental illuminating device, filed July 31, 1946, D. C., S. D. N. Y., Doc. 37/136, *Raylite Electric Corp.* v. *Noma Electric Corp.*

Re. 22,309, M. E. Fonken, Apparatus for making cinnamon rolls, filed July 17, 1946, D. C. Minn. (Duluth), Doc. 723, *Interstate Bakeries Corp. et al.* v. *Federal Baking Co. et al.*

Des. 139,596, S. G. Robson, Barracks case, filed July 12, 1946, D. C., N. D. Calif., S. Div., Doc. 26195–G, *J. Calderwood* v. *Royal Engineering Co. et al.*

T. M. 22,406, The Coca Cola Co., Tonic syrup; T. M. 47,189, same, Nutrient or tonic beverage; T. M. 238,146, T. M. 238,145, same, Beverages and syrups for the manufacture of such beverages; T. M. 415,755, same, Non-alcoholic maltless beverages and the syrups for making such beverages, D. C., N. D. Ill., E. Div., Doc. 46c79, *The Cola Cola Co.* v. *Automatic Beverage Dispensers et al.* Consent judgment for injunction (notice Aug. 1, 1946).

T. M. 47,189. (See T. M. 22,406.)

T. M. 238,145. (See T. M. 22,406.)

T. M. 238,146. (See T. M. 22,406.)

T. M. 415,755. (See T. M. 22,406.)

Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., August 21, 1946.*

American Gear Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Burd Piston Ring Company, 2401 Tenth Street, Rockford, Ill., to effect the cancellation of trade-mark registration of American Gear Company, 212 South Horton Street, Jackson, Mich., No. 228,726, dated June 7, 1927, and the notice of such proceeding sent by registered mail to the said American Gear Company, at the said address, having been returned by the post office undeliverable, notice is hereby given that unless said American Gear Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. N. Y.) Hill patent, No. 1,526,982, for a stencil sheet, claims 2, 3, 4, 6, 7, 11, 16, 18, 21, and 22 *Held* valid and infringed. *A. B. Dick Co.* v. *Marr*, 155 F.(2d) 923; 70 USPQ 27.

(D. C. Calif.) Thompson patent, No. 1,694,996, for a pressure cooker and pressure cooler, claims 1, 2, and 3 *Held* valid but not infringed. *Food Machinery Corp.* v. *Pacific Can Co.*, 66 F. Supp. 109.

(C. C. A. N. Y.) Livingston patent, No. 1,708,625, for refrigeration, claims 16, 21, and 23 *Held* invalid. *Safety Car Heating and Lighting Co.* v. *General Elec. Co.*, 155 F.(2d) 937; 69 USPQ 401.

(C. C. A. N. Y.) Livingston patent, No. 1,708,626, for refrigeration, claims 9, 11, 12, 18, and 19 *Held* invalid. *Id.*

(D. C. Mo.) Kesling patent, No. 2,034,400, for a vacuum operated mechanism, claims 25 to 29, inclusive, *Held* valid and infringed. *Kesling* v. *General Motors Corp.*, 66 F. Supp. 1.

(D. C. N. Y.) Myerson patent, No. 2,202,713, for an artificial tooth, claims 8 and 9 *Held* invalid. *Myerson* v. *Dentists' Supply Co. of N. Y.*, 66 F. Supp. 31, 69 USPQ 220.

(D. C. Calif.) Thompson patent, No. 2,211,801, for a pressure cooker and pressure cooler, claims 3 to 8, inclusive, 12 to 16, inclusive, 19, and 22 *Held* valid, and infringed. *Food Machinery Corp. v. Pacific Can Co.*, 66 F. Supp. 109.

(D. C. N. Y.) Myerson patent, No. 2,300,305, for an artificial tooth, claims 1, 2, 3, 5, 6, 9, and 10, *Held* invalid. *Myerson* v. *Dentists' Supply Co. of N. Y.*, 66 F. Supp. 31; 69 USPQ 220.

Disclaimers

1,967,221.—*William R. Allen*, Shaker Heights, and *Emmett C. Hartley*, Euclid Village, Ohio. PRINTING PLATE AND HOLDING MEANS THEREFOR. Patent dated July 24, 1934. Disclaimer filed Aug. 17, 1946, by the assignee, *Addressograph-Multigraph Corporation.*

Hereby enters this disclaimer to claims 7 and 8 in the specification of said patent.

2,275,154.—*Edward O. Merrill*, West Roxbury, *James W. Reddie*, Hull, and *John M. Anderson*, Woburn, Mass. METHOD FOR MAKING CAPSULES. Patent dated Mar. 3, 1942. Disclaimer filed Aug. 19, 1946, by the assignee, *United-Rexall Drug Company.*

Hereby disclaims from said patent the claims numbered 1, 2, 3, 4, 5, and 6.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,218,186. GASKET CUTTING MACHINE. Patented Oct. 15, 1940. Gaskets of rubber, cork, or similar material, for closure caps of various kinds, are sliced from a column of rod-like or tubular material by machine. Machine is provided with mechanism for automatically feeding the gasket material to the cutters. The mechanism is adjustable to produce gaskets of various thickness. (Owner) James M. Teash, 50 Park Terrace West, New York 34, N. Y. Group 35—59. Reg. No. 3,823.

Pat. 2,279,302. ANCHOR. Patented Apr. 14, 1942. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A high-holding power anchor made by casting is strong but light in weight. Consists of a shank, a stock and a fluke assembly with a slotted crown and arms extended from sides and terminating in a pair of flukes. One end of shank is secured for pivotal movement in slotted portion of crown. When inoperative stock slides through slotted crown and folds alongside shank. May be housed within a small space such as a hawse pipe. (Owner) Edward C. Craig, Capt., U. S. N., 7 Grassmere Ave., Winchester, Mass. Group 33—92. Reg. No. 3,824.

Pat. 2,081,147. STROPPING DEVICE. Patented May 25, 1937. Groups 32—91; 33—51. Reg. No. 3,825.

Pat. 2,001,727. AUTOMATIC RAZOR EDGING MACHINE. Patented May 21, 1935. Groups 32—91; 33—51. Reg. No. 3,826.

These two patents relate to like subject matter. Patent 2,081,147 describes a portable stropping device for resharpening double-edge blades. Because the stropping members are eccentrically mounted, a cross-wiping abrading action results and "tracking" is eliminated, producing an evenly sharpened edge. Patent 2,001,727 incorporates the above feature but relates particularly to a machine for the commercial manufacture of this double-edge razor blade in which all honing, grinding and stropping operations are accomplished within a single passage. By using progressively finer abrasive surfaces the operations are continuously and successively performed on a single machine, saving time and labor. (Owner) Arthur J. Holman, 174 Monteroy Road, Rochester 10, N. Y.

Pat. 2,345,602. APPARATUS FOR TELEVISION PICKUP FROM FILM. Patented Apr. 4, 1944. The apparatus consists of an arrangement of revolving lens wheel which comprises an optical rectifying system, a three frame film aperture, a collector and condenser series of fixed lenses and a low source of illumination. The film image projected into the iconoscope is, the inventor states, continuous, that is, as free from time pattern and variations as any "live set" televised in a studio. The image may be scanned at any interval and at any speed; the process not being limited to any particular number of lines per frame or to any arrangement of interlacing. (Owner) Arthur J. Holman, 174 Monteroy Road, Rochester 10, N. Y. Group 36—61. Reg. No. 3,827.

Pat. 2,381,449. SPHERICAL SURFACE GENERATING DEVICE. Patented Aug. 7, 1945. Group 39—13—14. Reg. No. 3,828.

Pat. 1,827,748. APPARATUS FOR GRINDING AND POLISHING SPHERICAL LENSES. Patented Oct. 20, 1931. Group 39—13—14. Reg. No. 3,829.

Pat. 2,377,344. LENS BLANK AND LAP MOUNTING FOR PRECISION LENS GENERATING MECHANISMS. Patented June 5, 1945. Group 39—13—14. Reg. No. 3,830.

Pat. 2,398,790. PRECISION CYLINDRICAL SURFACE GENERATING DEVICE. Patented Apr. 23, 1946. Group 39—13—14. Reg. No. 3,831.

These four patents relate to grinding and polishing apparatus for the formation of various optically precise surfaces. The apparatus differs from the conventional lens surfacing machines in that neither work nor tool is free floating, the lap or polisher and the work being rigidly supported with respect to the center of the curvature of the surface being generated. Both tool and work are so constrained that all movements take place about the center of the curvature (depending, of course, on the surface desired). Thus the cutting action between the lap and the lens blank is not the result of spinning, but rather of oscillation. Since the wearing influence on the blank is equalized, the accuracy of the product depends on the mechanism instead of the skill of the operator. Patent 2,377,344, is applicable to the grinding of ultra precise surfaces required in telescopes and photographic objectives. Patent 2,381,449 is adaptable to a greater range of surface curvatures, especially short radius curves, while Patent 2,398,790 is for the production of cylindrical lenses used in the astigmatizers of rangefinders, aviation drift sights and lenses used in exciter systems of sound pick-up units of motion picture projectors. (Owner) Arthur J. Holman, 174 Monteroy Road, Rochester 10, N. Y.

Pat. 2,373,957. TOY. Patented Apr. 17, 1945. For catapulting a toy glider or rocket into the air. A longitudinally split cylinder has a plunger and coiled spring. A disc on inner end of plunger has a projecting tongue slidable in the slit. A clip beneath glider frictionally grips tongue. When plunger is pulled back and released the spring drives glider along length of cylinder and into the air. (Owner) E. A. Hornberger, 7435 Blvd. East, North Bergen, N. J. Group 39—41. Reg. No. 3,832.

Pat. 2,282,238. LAWN MOWER FOR GRASS, GRAINS, AND THE LIKE. Patented May 5, 1942. Manually operated mower will cut grass or grains of various heights with equal facility by reason of the particular formation and arrangement of the cutters, several modified forms of which are shown. A series of spaced cutters on a rotating shaft sweep laterally over a toothed stationary cutter bar. Mower is supported by two sprocketed wheels on one side and a single wheel on the opposite side. The sprocketed wheels are provided with a caterpillar tractor belt which engages a pinion to rotate the shaft and cutters. Cutters may be rendered inoperative by tilting mower until belt and sprocketed wheels are off the ground. (Owner) Richard T. Newton, 277 Park Ave., New York 17, N. Y. Group 35—22. Reg. No. 3,833.

Pat. 2,400,699. MECHANICAL BAND SPREAD FOR RADIO TUNING. Patented May 21, 1946. A two speed dial arrangement which will cover desired ranges and provide a

geared-down vernier drive so that weak signals will not be passed over without hearing them. A drum is rotatably mounted on the shaft in connection with the rotor of a tuning condenser of a receiver and activated by a cable connecting the drum to the signal selector dial for normal rough tuning. A series of rocker arms are connected to the shaft by an eccentric cam positioned on the drum to effect high reduction operation of the condenser for fine tuning. The shift is made by disconnecting the drum and simultaneously connecting one of the rocker arms by means of a dial controlled key pivotally mounted in a slot of the shaft. (Owner) Charles F. Mathewson, Mathewson Electronics Labs., Buffalo 15, N. Y. Group 36—61. Reg. No. 3,834.

Pat. 2,169,498. DEVICE FOR CONTROLLING AND PLANNING PRODUCTION, ORDER DISPATCHING, STORES, AND SALES Patented Aug. 15, 1939. This patent presents a visual method for the control of stock, recording of sales and other activities in relation to planned business management. It consists of several panels on which are mounted printed forms, cards and tags which are moved or changed as work progresses so that an over-all view of a business may be provided instantaneously. The scheme allows a workable means to analyze, standardize and unify conditions which effect production, delivery or sales without the necessity of wading through a mass of data. (Owner) Henry Molz, 363 West Lexington Drive, Glendale 3, Calif. Groups 27—82; 35—79. Reg. No. 3,835.

Pat. 1,869,988. HEEL AND SOLE PROTECTOR. Patented Aug. 2, 1932. Protector is adapted to fit over the heels of shoes, galoshes, and the like, to prevent slipping on wet or icy pavements. It is made of stiff leather and has a tread insert of high grade thick felt. It may be carried in pocket or handbag and is easily attached and detached by straps or other means. (Owner) Stephen Vellner, 529 W. 141st St., New York 31, N. Y. Group 31—41. Reg. No. 3,836.

Pat. 2,195,305. COIN CONTROLLED VENDING AND CHANGE MAKING MACHINE. Patented Mar. 26, 1940. Machine for vending magazines or newspapers. The article is partially projected through a normally closed opening and grasped by a customer. Machine may be adjusted to function by the insertion of either a nickel, dime, or three pennies. May also be adjusted to return two cents change upon insertion of a nickel. Two separate coin slots are opened and closed by slides. If wrong coins are inserted they will drop into housing without operating or jamming machine. (Owner) Thomas L. Heaton, 305 Broadway, Blytheville, Ark. Group 35—73. Reg. No. 3,837.

Pat. 2,399,960. STOOL-TYPE LATRINE AID. Patented May 7, 1946. May be used by campers or field armies. Comprises a ring-like seat with U-shaped brackets on under side to which supporting legs are detachably and slantingly connected. Each leg is pointed and has a stop to limit penetration into the ground. May be readily assembled or knocked-down for shipment in small space. (Owner) Charles L. Turner, 5902 Elston Ave., Chicago 30, Ill. Group 25—11—99. Reg. No. 3,838.

Pat. 2,376,336. RELEASING DEVICE. Patented May 22, 1945. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757). An auxiliary fuel tank supported on a cradle on top of a tank or other military vehicle is anchored by straps. The straps are automatically released by remote control from within the tank to permit tank and straps to fall to the ground. The conduit connecting the auxiliary tank to a regular fuel tank is automatically disconnected from the regular tank when the releasing means is actuated. Both tanks may be filled by introducing fuel into the auxiliary tank alone. Several cradles of modified form are illustrated. (Owner) Arthur S. Brown, % Morse Chain Co., 7601 Central Ave., Detroit 8, Mich. Group 33—X1. Reg. No. 3,839.

Pat. 1,805,843. INTERNAL COMBUSTION ENGINE. Patented May 19, 1931. Group 37—32. Reg. No. 3,840.

Pat. 1,971,620. INTERNAL COMBUSTION ENGINE. Patented Aug. 28, 1934. Group 37—32. Reg. No. 3,841.

Pat. 1,910,561. MARINE PROPULSION DEVICE. Patented May 23, 1933. Group 37—32. Reg. No. 3,842.

These three patents relate to outboard motors. In Patent 1,910,561 a pair of horizontally aligned propellers are mounted forwardly and rearwardly on the lower end of a vertical, sectional drive shaft and housing. Propellers are automatically and momentarily stopped by clutches should they strike obstructions and part of the housing will pivot vertically. A cooling system having no moving parts is provided, water being continuously taken from and discharged back into the sea, circulation through the system being effected by suction created by rotation of rear propeller. The vertical shaft and housing may be lengthened by inserting a removable section to position propellers deeper into the water. Either propeller may be dispensed with if desired. Patent 1,971,620, which is a division of Patent 1,910,561, shows an intake valve arrangement for controlling the flow of fuel into the crankcase through the bottom wall of the housing. A rotatable disc inside the crankcase has an opening adapted to register with a port in the housing. The disc, in addition, forces collected oil in the crankcase to vital parts of the motor and bearings. Patent 1,805,843 shows a similar intake valve which controls the flow of fuel into the crankcase through the top wall of the housing. Fan blades placed in the opening in the disc accelerate the flow into the crankcase and also act as a supercharger. A modification is shown. (Owner) Maxwell K. Murphy, 535 Golden Gate West, Detroit 3, Mich.

Pat. 2,294,122. IGNITION CIRCUIT BREAKER. Patented Aug. 25, 1942. Group 36—19. Reg. No. 3,843.

Pat. 2,182,300. EMERGENCY CIRCUIT BREAKER. Patented Dec. 5, 1939. Group 36—19. Reg. No. 3,844.

In these two patents the device used to close the circuit of the wiring system of an automobile is a small metal ball snugly held in an insulated casing. In the event of collision, etc., the ball is unseated and the primary circuit opened to prevent short circuits, fire, etc. Patent 2,294,122 has, in addition, a retaining spring to hold the ball in place during normal operation of the vehicle and spring conductor extensions which are driven out of electrical engagement when the ball is dislodged. (Owner) Paul C. McCandless, 1039 New Castle St., Butler, Pa.

Pat. 2,302,806. COMBINED TOWEL RACK AND BOOK HOLDING ATTACHMENT FOR BATHTUBS. Patented Nov. 24, 1942. Rack enables bather to read while reclining in tub. The angular rack is provided with suction cups so that it may be secured to tub. When positioned at one side of tub the rack serves as a towel holder. The rack may also be swung across the tub to function as a book or magazine holder, being provided with a ledge, back rest, and resilient page holder. The rack may be adjusted to conform to the width of the tub. (Owner) Mrs. Jessie B. Senter, 2713 N. W. 20th St., Oklahoma City, Okla. Groups 25—99; 39—39. Reg. No. 3,845.

Pat. 2,184,981. HAIR CUTTING MACHINE. Patented Dec. 26, 1939. Mower-like blades, which form the rotary cutter of this motor driven hair clipper, bear against a stationary blade fitted in the recess of a removably mounted comb member. Rockers on the side arms of the frame carrying the rotary cutter, etc., may be adjusted so that the hair may be cut to any length or used to trim hair on any part of the head for a complete haircut without the use of scissors necessary with former hair clipping mechanisms. (Owner) Joseph Suozzi, 630 Fifth Ave., New York 20, N. Y. Group 33—51. Reg. No. 3,846.

Pat. 2,292,175. HAIR CLIPPER. Patented Aug. 4, 1942. Clipper has spiral rotary cutter which makes shearing contact with stationary blade positioned in a comb member fixed to the clipper frame. By compression of the usual spring handles, a pin, riding in the spiral groove of a sliding plunger, rotates a hollow cylindrical housing associated with a pair of gears which impart motion to the rotary cutter. An adjustable lever may be regulated to trim the hair to any length as described in Patent 2,184,981. (Owner) Joseph Suozzi, 630 Fifth Ave., New York 20, N. Y. Group 33—51. Reg. No. 3,847.

Pat. 2,156,911. MICROSCOPE. Patented May 2, 1939. A microscope, the objective (lenses which form the image of the object) of which employs mirrors includes a curved mirror so that the light from the object does not pass through any lens to form a spectrum, but is reflected. The mirror is comparatively small and in the form of a concave ellipsoid being designed so that it is focused on an object close to the objective to create a magnified image capable of being again magnified by the eyepiece of the microscope. Corresponds to a reflecting telescope. (Owner) L. H. Brown, 24 West 45th St., New York, N. Y. Group 39—13. Reg. No. 3,848.

Pat. 2,159,202. EXPOSURE METER. Patented May 23, 1939. An extinction type exposure meter for cameras in the form of a single chart on which are printed shutter speeds and stop numbers according to the "F" or any other standard system. Since all readings are made from a single chart with no moving parts the device is more compact than usual exposure meters so that it may be built into a camera and occupy a space of only one quarter cubic inch. (Owner) L. H. Brown, 24 West 45th St., New York, N. Y. Group 39—12. Reg. No. 3,849.

Pat. 2,250,179. GUN SIGHT. Patented July 22, 1941. Group 33—X4. Reg. No. 3,850.

Pat. 2,253,948. GUN SIGHT. Patented Aug. 26, 1941. Group 33—X4. Reg. No. 3,851.

The two patents listed above relate to a front sight for rifles which replaces the usual sight. Made of thin wire or strip metal set in a frame (the base of which is dovetailed in a slot in the barrel). A turnable knob provided with calibrations may be set with an index etched on the frame. Acts as a stadia range finder so that the marksman can quickly regulate the elevation of the gun in accordance with the trajectory of the ammunition used. May also be incorporated as the reticle in a rifle scope. (Owner) L. H. Brown, 24 West 45th St., New York, N. Y.

Pat. 2,338,488. REAR-VISION DEVICE. Patented Jan. 4, 1944. An optical arrangement in which a wedge-shaped prism is associated with a complementary member which has the shape of a spherical segment. In the first mentioned prism the bottom edge is thinner and the front wall is silvered to provide a reflecting surface; the segmental member has a thinner lower wall. The combination produces maximum correction of the light being refracted. The arrangement may be used in airplanes or automobiles. In an automobile it affords a wider angle of view unobstructed by the auto body. In an airplane it eliminates wind resistance caused by a mirror mounted above the cockpit and also eliminates the distortion caused by viewing through the Plexiglas canopy at an oblique angle. (Owner) L. H. Brown 24 West 45th St., New York, N. Y. Group 39—13. Reg. No. 3,852.

Pat. 2,361,347. STEREOSCOPIC PICTURE AND METHOD OF MAKING THE SAME. Patented Oct. 24, 1944. Method of making stereoscopic pictures involving two carriers, one of which is a transparent plastic on resin film having a lenticulated surface (a series of double convex portions, the edges of which meet) and a ribbed rear face separated by depressions of the same width (one-half the width of the lenticulation). The other carrier is opaque and light reflecting (usual coated paper used in printing magazines). The opaque carrier has a complete picture printed on its surface while only a portion of the picture (at a different angle according to conventional practice) is printed on the face of rear depression. Both pictures are located within the foci of the lenticulation, however one of the pictures is inverted so that a stereoptic effect is provided when viewed with the naked eye. The picture may be produced by the usual printing press method using halftone plate. (Owner) L. H. Brown, 24 West 45th St., New York, N. Y. Groups 27—94; 39—12. Reg. No. 3,853.

Pat. 2,362,611. WINDSHIELD CONSTRUCTION. Patented Nov. 14, 1944. The conventional windshield of airplanes or racing automobiles is replaced by two prismatic members made of glass or "Lucite" so that the thin edge of one member is aligned with the thick edge of the other. The height of the windshield described is about half the conventional height and gives the same view. It also has half the wind resistance. (Owner) L. H. Brown, 24 West 45th St., New York, N. Y. Groups 32—29; 38—31; 39—81. Reg. No. 3,854.

Pat. 2,388,673. DUAL POWER OPTICAL SYSTEM. Patented Nov. 13, 1945. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) An optical system for a telescope which may be used either in an observation instrument or in a gun sight. Enables the observer to see the target at two different magnifications simultaneously through one eyepiece. This is particularly valuable for use against moving targets as the instrument affords high magnification and a wide field of view simultaneously, not obtainable in conventional instruments. (Owner) L. H. Brown, 24 West 45th St., New York, N. Y. Groups 33—X4; 39—13. Reg. No. 3,855.

Pat. 2,391,675. STEREOSCOPE. Patented Dec. 25, 1945. An optical instrument in which stereoscopic pairs of pictures are viewed through one large lens instead of the usual two small lenses. The device has several applications. It may, for example, be used in stereoscopic television as it magnifies the images in addition to supplying a stereoscopic presentation. Unlike conventional stereoscopes the user is not required to place his eyes close to the instrument, but may instead view the image from a distance making it easier to use and excellent for advertising displays. (Owner) L. H. Brown, 24 West 45th St., New York, N. Y. Group 39—12—13. Reg. No. 3,856.

Pat. 2,393,308. SIGHT. Patented Jan. 22, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Gun sight has the appearance of a vertical glass plate one-fourth inch thick. Mounted on the plate are a number of very small circular converging lenses disposed on the same plane and spaced equally apart. Each lens has an identical reticle (or cross-bar) at its focus. Because the eye of the observer receives light from the target (through the spaces between the lenses) and parallel rays of light from the reticles the images of the reticles are readily superimposed on the target for sighting. The sight is more compact than telescopic, reflex or open sights and allows a

greater latitude of eye positioning. Any size or shape of reticle may be incorporated. (Owner) L. H. Brown, 24 West 45th St., New York, N. Y. Groups 33—X4; 39—13. Reg. No. 3,857.

Pat. 2,359,843. WATCH. Patented Mar. 5, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A water- and air-tight stem for watches and clocks. Stem is positioned within a chamber sealed by a flexible diaphragm. Construction has advantage over usual water-proof watches in that there is no rubbing surface. Applicable to watches in which stem is either pushed inwardly or pulled outwardly in setting. (Owner) L. H. Brown, 24 West 45th St., New York, N. Y. Group 34—61. Reg. No. 3,858.

Pat. 2,085,290. WINDOW BOX AND HANGER THEREFOR. Patented June 29, 1937. Window box is supported by a hanger. Hanger consists of a strip of metal bent to form jaws which receive window sill and a portion of the window box. The jaws grip the box and the sill when a clamping bolt between the jaws is tightened. The arrangement is easily detached for removal or transfer of box from outdoor to indoor location. A feature of the window-box is that excess water may be withdrawn through a small faucet or petcock. The clamping jaws are padded so that they will not mar the surfaces of porch rails, sills or any other support. Box does not interfere with screens, shades or the opening and closing of windows. (Co-owner) J. D. Black, Drawer 1, Oldsmar, Fla. Groups 32—98; 33—59. Reg. No. 3,859.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 17, 1946

[VOL. 590. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 492,663. THE RAYON PROCESSING CO. OF R. I. INC., Central Falls, R. I., and elsewhere. Filed Dec. 4, 1945.

RAYTELLICS

FOR FINELY CUT OR COMMINUTED METALS—NAMELY, GOLD OR SILVER PLATED COTTON RIBBON, USED AS A SURFACE COATING MEDIUM OR AS A DECORATIVE FILLER FOR TRANSPARENT PLASTICS.

Claims use since October 1940.

Ser. No. 497,373. CORNELIUS PRODUCTS COMPANY, New York, N. Y. Filed Feb. 28, 1946.

EMULSOWAX

FOR SYNTHETIC WAX INTENDED AS A REPLACEMENT FOR CARNAUBA WAX FOR USE IN THE MANUFACTURE OF FLOOR WAX.

Claims use since November 1944.

CLASS 2

RECEPTACLES

Ser. No. 490,178. DURAMOLD AIRCRAFT CORPORATION, New York, N. Y. Filed Oct. 19, 1945.

DURAMOLD

FOR AIRCRAFT FUEL TANKS MADE FROM LAMINATED MOLDED MATERIAL, PARTICULARLY PLYWOOD.

Claims use since Nov. 22, 1942.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 492,200. INGBER & COMPANY, Philadelphia, Pa. Filed Nov. 26, 1945.

Ingber

The mark is a facsimile of a part of the signature of Benjamin Ingber, one of the members of the firm.

FOR LADIES' HANDBAGS.

Claims use since Oct. 11, 1945, and since July 1910 as to other forms of the mark.

Ser. No. 501,192. NEW REXBILT LEATHER GOODS CORPORATION, New York, N. Y. Filed Apr. 30, 1946.

Airex

FOR LEATHER GOODS—NAMELY, BRIEF CASES, PORTFOLIOS, TRAVELLING BAGS, SUIT CASES, MUSIC CASES, MUSIC SATCHELS, BILL FOLDS, POCKETBOOKS, CATALOG CASES, SAMPLE CASES, OVERNIGHT CASES, AND COMPOSITE OVERNIGHT AND BRIEF CASES.

Claims use since Apr. 19, 1946.

Ser. No. 501,193. NEW REXBILT LEATHER GOODS CORPORATION, New York, N. Y. Filed Apr. 30, 1946.

REXPAK

FOR LEATHER GOODS—NAMELY, BRIEF CASES, PORTFOLIOS, TRAVELLING BAGS, SUIT CASES, MUSIC CASES, MUSIC SATCHELS, BILL FOLDS, POCKETBOOKS, CATALOG CASES, SAMPLE CASES, OVERNIGHT CASES, AND COMPOSITE OVERNIGHT AND BRIEF CASES.

Claims use since Apr. 19, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 495,252. CARL G. MURANO, doing business as Formax Company, New Haven, Conn. Filed Jan. 23, 1946.

FORMAX

FOR MEDICATED SOAP IN GRANULATED OR POWDERED FORM.
Claims use since June 15, 1918.

CLASS 5

ADHESIVES

Ser. No. 493,793. MARVEL PRODUCTS, INC., New York, N. Y. Filed Dec. 22, 1945.

Marvel

FOR MUCILAGE AND ADHESIVE PASTE.
Claims use since Dec. 11, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 485,599. PROFESSIONAL PHARMACAL CO., San Antonio, Tex. Filed July 9, 1945.

AUROBROM

PREPARATION FOR THE TREATMENT OF WHOOPING-COUGH AND OTHER SPASMODIC COUGHS.
Claims use since Feb. 8, 1944.

Ser. No. 489,496. WALLACE LABORATORIES, INC., New Brunswick, N. J. Filed Oct. 5, 1945.

INTRADERM
SKIN PENETRANT
SULFUR SOLUTION

The words "Skin Penetrant" and "Sulfur Solution" are disclaimed apart from the mark. Applicant is the owner of Reg. No. 405,041 for the mark "Intraderm."
FOR PREPARATION FOR USE IN THE TREATMENT OF ACNE AND LIKE DISORDERS OF THE SKIN.
Claims use since Sept. 21, 1945.

Ser. No. 489,603. NEW PROCESS SERVICE COMPANY, San Francisco, Calif. Filed Oct. 8, 1945.

NEW PROCO

No claim is made to the word "New" apart from the mark.
FOR CHEMICAL SOLVENT PREPARATION FOR CLEANING TANKS, SUCTION LINES AND OIL SYSTEMS.
Claims use since Sept. 19, 1944.

Ser. No. 489,648. BOL, LTD., New York, N. Y. Filed Oct. 9, 1945.

LIPEX

FOR COSMETICS—NAMELY, PERFUMES, FACE AND BODY POWDERS, LIPSTICKS, ROUGE, COMPACTS FILLED WITH FACE POWDER OR ROUGE.
Claims use since Sept. 1, 1945.

Ser. No. 490,725. WETHERHOLT'S PERFUME CO., Chicago, Ill. Filed Oct. 29, 1945.

Out of This World

FOR PERFUME AND COLOGNE.
Claims use since Sept. 16, 1942.

Ser. No. 492,109. GEZA STIASSNEY, New York, N. Y. Filed Nov. 23, 1945.

NIRVANA

FOR ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, HORMONE CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, REFRESHING CREAMS, OBESITY ASTRINGENTS, DRY ROUGES, LIP ROUGES, LIQUID ROUGES, FACE BLEACHES, SKIN WHITENER IN LIQUID AND SOLID FORM, FACE PACKS, EYEBROW AND EYELASH GROWER, EYE DROPS, EYEBROW PENCILS, CHEMICAL PREPARATIONS SUITABLE FOR THE DARKENING OF EYELASHES AND EYEBROWS, HAND LOTIONS, SKIN LOTIONS, AFTER-SHAVING LOTIONS, POMADES, FACE POWDERS, TALCUM POWDERS, BODY POWDERS, SACHET POWDERS, HAIR SALVES, HAIR ELIXIRS, HAIR LOTIONS, HAIR SETTING LOTIONS, DANDRUFF PREPARATIONS, HAIR TONICS, HAIR OILS, SHAMPOOS, HAIR DYES, BODY LOTIONS, HEALING SALVES, PREPARATIONS FOR THE TREATMENT OF THE RESPIRATORY ORGANS, FOUNDATION FACE MASKS, SUN TAN PEROXIDES, BATH SALTS, SMELLING SALTS, LIP STICKS, INCENSE, TOOTH POWDERS, MOUTH WASHES, DENTIFRICES, TOOTH PASTES, DEPILATORIES, NAIL POWDERS, NAIL CREAMS, NAIL POLISHES, WITCH HAZEL, PEROXIDE, PETROLEUM JELLIES, WITCH HAZEL SALVES, CAMPHOR CREAMS, FOOT POWDERS, CORN SALVES, DEODORANTS, DISINFECTANTS, BAY RUM, PERFUMES, AND TOILET WATERS.
Claims use since Aug. 20, 1945.

Ser. No. 492,270. HANNAH KLEIN, doing business as Ervana Co., Brooklyn, N. Y. Filed Nov. 27, 1945.



No claim is made to the outline of the label apart from the mark. The drawing is lined to represent brown and green colors.
FOR BEAUTY PREPARATIONS—NAMELY, SCALP CLEANSING, SKIN LOTIONS, HAIR COLOR RESTORER, BRILLIANTINE, AND SHAMPOO.
Claims use since May 31, 1945.

Ser. No. 492,619. ELMO SALES CORPORATION, Philadelphia, Pa. Filed Dec. 4, 1945.

Dalliance

FOR PERFUME, COLOGNE, DUSTING POWDER, TALCUM POWDER AND SACHET POWDER.
Claims use since Nov. 15, 1945.

Ser. No. 492,688. KAY DAUMIT, Chicago, Ill., assignor to Kay Daumit, Inc., Chicago, Ill., a corporation of Illinois. Filed Dec. 5, 1945.

White Shirt

No claim is made to the word "White" alone.
FOR COLOGNE.
Claims use since Apr. 3, 1945.

Ser. No. 494,208. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Jan. 3, 1946.

CERAPIN

FOR COUGH SYRUP.
Claims use since Nov. 29, 1945.

Ser. No. 495,416. SOCIÉTÉ À RESPONSABILITÉ LIMITÉ: CARVEN, Paris, France. Filed Jan. 25, 1946.

MA GRIFFE

FOR PERFUMES.
Claims use since Sept. 12, 1945.

Ser. No. 495,417. SOCIÉTÉ À RESPONSABILITÉ LIMITÉ: CARVEN, Paris, France. Filed Jan. 25, 1946.

SCORE

FOR PERFUMES.
Claims use since Dec. 12, 1945.

Ser. No. 495,418. SOCIÉTÉ À RESPONSABILITÉ LIMITÉ: CARVEN, Paris, France. Filed Jan. 25, 1946.

SMASH

FOR PERFUMES.
Claims use since Dec. 12, 1945.

Ser. No. 495,558. ARNOLD STOLTZ, New York, N. Y. Filed Jan. 28, 1946.

SUNKIST

FOR TOOTH PASTE, TOOTH POWDER, AND TOOTH CLEANSER.
Claims use since September 1938.

Ser. No. 496,948. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y. Filed Feb. 20, 1946. Under 10-year proviso.

B. W. & Co.

FOR STROPHANTHUS TINCTURE, BISMUTH SUBSALICYLATE WITH CHLOROBUTANOL IN OIL, SOLUTION OF DIGOXIN AND "HAZELINE" WITCH HAZEL.
Claims use since 1884.

Ser. No. 497,186. MERRIAM AND COMPANY, Washington, D. C. Filed Feb. 25, 1946.

Akticide

FOR GERMICIDES.
Claims use since Dec. 11, 1945.

Ser. No. 497,234. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 26, 1946.

POLYAC

FOR CHEMICAL COMPOUND EMPLOYED IN THE ACCELERATION AND VULCANIZATION OF RUBBER.
Claims use since Feb. 11, 1944.

Ser. No. 497,277. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed Feb. 26, 1946.

SYLVANIA

FOR CELLULOSE ETHERS.
Claims use since Dec. 20, 1945.

Ser. No. 497,282. VITAMINS & PHARMACEUTICALS, INC., Dover, Del. Filed Feb. 26, 1946.

DISENTRAL

FOR GERMICIDE FOR GENERAL DISINFECTION.
Claims use since Jan. 10, 1946.

Ser. No. 497,327. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Feb. 27, 1946.

Seraphique

FOR PERFUMES, COLOGNES, TOILET WATERS, SKIN DRESSINGS, LIPSTICKS, ROUGES, FACE CREAMS, COSMETIC AND BATH OILS, AND FACE AND BODY DUSTING POWDERS.
Claims use since Nov. 21, 1945.

Ser. No. 497,827. U. S. VITAMIN CORPORATION, New York, N. Y. Filed Mar. 7, 1946.

GANVINAL

FOR VITAMIN-MINERAL SUPPLEMENT FOR CATTLE, SHEEP, HOGS, AND OTHER DOMESTIC ANIMALS.
Claims use since Aug. 2, 1943.

Ser. No. 498,209. ALBERT E. CORYER, Prairie du Chien, Wis. Filed Mar. 14, 1946.

Coryer's



Albert E. Coryer

The portrait is that of the applicant. The name "Coryer's" appearing over the portrait is disclaimed apart from the mark.
FOR LINIMENT FOR RELIEF OF MUSCULAR CRAMPS, INSECT BITES, SUPERFICIAL CUTS, ACHES, AND PAINS.
Claims use since Aug. 31, 1942.

Ser. No. 498,865. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Mar. 23, 1946.

TYROCHETS

FOR LOZENGE OR TROCHE, PARTICULARLY AN ANTISEPTIC LOZENGE OR TROCHE.
Claims use since Feb. 27, 1946.

Ser. No. 501,349. JOSEPH TRINER CORPORATION, Chicago, Ill. Filed May 2, 1946.

STOP-GO

Applicant disclaims exclusive right to the use of "Stop" per se.
FOR PROPRIETARY MEDICINAL PREPARATION USED FOR TREATMENT OF PAINS DUE TO ARTHRITIS AND RHEUMATISM, AND MULTIPLE VITAMIN PREPARATION.
Claims use since Jan. 18, 1946.

Ser. No. 502,152. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed May 15, 1946.

LE ROY SOLEIL

The mark "Le Roy Soleil" is classical French for—The Sun King. No claim is made to the words "Le Roy" apart from the mark as shown, applicant by this disclaimer waiving none of its common law rights in and to the mark as a whole.
FOR PERFUMES, COLOGNES, TOILET WATERS, SKIN DRESSINGS, LIPSTICKS, ROUGES, FACE CREAMS, COSMETIC AND BATH OILS, AND FACE AND BODY DUSTING POWDERS.
Claims use since May 7, 1946.

Ser. No. 502,228. NASH & KINSELLA LABORATORIES, INC., St. Louis, Mo. Filed May 16, 1946.

Bazooka

FOR INSECTICIDES.
Claims use since Sept. 9, 1944.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 493,401. THE REISS-PREMIER CORPORATION, West New York, N. J. Filed Dec. 15, 1945.

Premier

FOR SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS.
Claims use since Jan. 10, 1920, and since July 10, 1943, in its present form.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 500,551. THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Apr. 19, 1946.

BRIKRON

FOR COMPOSITION INCLUDING A WATER SOLUBLE PLASTICIZING AGENT IN SOLID OR LIQUID FORM USED AS AN INGREDIENT FOR MASONRY MORTARS AND THE LIKE, TO IMPROVE THE PROPERTIES THEREOF, AND PARTICULARLY TO IMPROVE THE WORKABILITY, INCREASE THE BOND STRENGTH, REDUCE SHRINKAGE AND ABSORPTION, AND INCREASE THE RESISTANCE TO WEAR AND CORROSION.
Claims use since Jan. 15, 1940.

Ser. No. 500,703. SAN ANTONIO PORTLAND CEMENT CO., San Antonio, Tex. Filed Apr. 22, 1946.

"ALAMO"

FOR PORTLAND CEMENT.
Claims use since June 1, 1910.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 472,059. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo. Filed July 10, 1944.

HIL-SEAL

The word "Seal" is disclaimed apart from the mark.
FOR LIQUID WOOD FLOOR PRESERVATIVE IN THE NATURE OF A WAX COATING OR WOOD FILLER.
Claims use since January 1937.

Ser. No. 492,765. DELTA BRUSH MANUFACTURING CORPORATION, New York, N. Y. Filed Dec. 6, 1945.

DELTA

FOR ARTISTS' WATER COLORS.
Claims use since September 1945.

Ser. No. 494,221. LEHMAN BROS. CORP., Jersey City, N. J. Filed Jan. 3, 1946.



OX-O-DECK

Exclusive right to the word "Deck" is not claimed apart from the rest of the mark.
FOR FLOOR, PORCH AND DECK PAINT ENAMELS.
Claims use since Apr. 15, 1942.

Ser. No. 494,222. LEHMAN BROS. CORP., Jersey City, N. J. Filed Jan. 3, 1946.



OX - O - TRIM

Exclusive right to the word "Trim" is not claimed apart from the rest of the mark.
FOR READY-MIXED PAINTS.
Claims use since Mar. 1, 1940.

Ser. No. 495,031. JEWEL PAINT AND VARNISH CO., Chicago, Ill. Filed Jan. 19, 1946.

Velux

FOR READY-MIXED PAINTS, ENAMELS, AND VARNISHES.
Claims use since Dec. 11, 1945.

Ser. No. 495,862. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 2, 1946.

FORTICEL

FOR AIRPLANE AND AIRCRAFT DOPES, LACQUERS, AUTOMOBILE AND FURNITURE POLISHES, PAINT AND LACQUER PRIMERS AND FILLERS.
Claims use since Jan. 15, 1946.

CLASS 19
VEHICLES

Ser. No. 494,457. NEW ENGLAND TRAWLER EQUIPMENT CO., Chelsea, Mass. Filed Jan. 8, 1946.

NE

FOR MARINE AND DEEP SEA FISHING EQUIPMENT—NAMELY, RUDDERS, BOLLARDS, BITTS, AND CHOCKS.
Claims use since Sept. 19, 1926.

Ser. No. 498,969. CHARLES A. WITTE, Chicago, Ill. Filed Mar. 25, 1946.

Castle Coach

The word "Coach" is disclaimed apart from the mark.
FOR COACH TRAILERS.
Claims use since Mar. 1, 1937.

Ser. No. 498,970. CHARLES A. WITTE, Chicago, Ill. Filed Mar. 25, 1946.



FOR COACH TRAILERS.
Claims use since Mar. 1, 1937.

CLASS 20
LINOLEUM AND OILED CLOTH

Ser. No. 498,503. CONGOLEUM-NAIRN, INC., Kearny, N. J. Filed Mar. 19. 1946.

CADET

FOR ENAMEL SURFACE FELT BASE RUGS AND FLOOR COVERING.
Claims use since Mar. 7, 1946.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 476,444. STATE ELECTRIC SUPPLY, Oakland, Calif. Filed Nov. 14, 1944.

STATE

FOR ELECTRICAL WIRING DEVICES AND SUPPLIES AND ELECTRICAL EQUIPMENT AND APPARATUS, TO-WIT, RUBBER COVERED WIRE AND CABLE; IRON AND STEEL SWITCH AND OUTLET BOXES FOR ELECTRICAL CIRCUITS; EXTERNALLY OPERATED SERVICE SWITCHES FOR THE CONTROL OF ELECTRICAL CIRCUITS; MOTOR STARTING CONTROLLER SWITCHES AND CONTACTORS; IRON AND STEEL FITTINGS FOR ELECTRICAL CONDUIT PIPE; ELECTRICAL WALL SWITCHES, RECEPTACLES, PLUGS, CONNECTORS, AND GENERAL WIRING DEVICES; ELECTRICAL TRANSFORMERS; BELLS AND BUZZERS; ELECTRICAL FUSES; ELECTRICAL REFLECTORS AND FLOODLIGHTS; ELECTRIC MOTORS; DESK OR WALL BRACKET TYPE ELECTRIC FANS; ELECTRICAL FLASHLIGHTS, DRY BATTERIES AND RADIO BATTERIES; ELECTRIC LAMPS—FLUORESCENT, CARBON, INFRA-RED, AND DRYING LAMPS; PORCELAIN ELECTRICAL INSULATORS; ELECTRIC TOASTERS; ELECTRIC PERCOLATORS; ELECTRIC WAFFLE IRON; ELECTRIC IRONS; ELECTRIC TABLE GRILLS; ELECTRIC HOT PLATES; ELECTRIC VACUUM CLEANERS; ELECTRIC ROASTERS; ELECTRIC RANGES; FLUORESCENT LIGHTING FIXTURES; RADIO RECEIVING SETS.
Claims use since Oct. 15, 1930.

Ser. No. 486,997. LOUIS LEVITAN CO. INC., Long Island City, N. Y. Filed Aug. 10, 1945.

Voltronics

FOR ELECTRIC LIGHTING FIXTURES, AND ELECTRIC LAMPS.
Claims use since June 25, 1945.

Ser. No. 493,258. DEACON PRODUCTS, INC., Moline, Ill. Filed Dec. 14, 1945.

The Deacon

The drawing is lined for shading only.
FOR ELECTRICALLY HEATED COOKING UNITS UTILIZING A HEATED OIL FOR THE HEAT TRANSFERRING MEDIUM.
Claims use since Mar. 5, 1943.

Ser. No. 497,073. FRANCIS L. DE HARO, doing business as Canton Trading Co., New York, N. Y. Filed Feb. 28, 1946.

Kantola

FOR RADIO AND TELEVISION SETS AND PARTS THEREOF, TRANSMITTING AND/OR RECEIVING ANTENNA, AND TRANSMISSION LINE EQUIPMENT, DRY CELL BATTERIES AND PARTS THEREFOR, ELECTRICAL CONDENSERS, ELECTRIC CONTACT POINTS, PROTECTIVE COVERING FOR ELECTRICAL WIRE, THERMIONIC DETECTOR TUBES, AMPLIFIER AND OSCILLATOR TUBES, ELECTRICAL MOTORS, GENERATORS, ELECTRICAL CONNECTORS, ELECTRICAL RADIO-PHONOGRAPH SETS, ELECTRICAL FUSES, AUDIO FREQUENCY AMPLIFYING UNITS, ELECTRICAL PUBLIC ADDRESS SYSTEMS AND INTEROFFICE COMMUNICATIONS, ELECTRICAL SOUND SYSTEMS, RADIO TRANSMITTING SETS, VARIABLE RESISTANCE UNITS, ELECTRO-MAGNETIC RELAYS, VACUUM TUBES, INSULATED ELECTRICAL CABLES AND WIRES.
Claims use since Jan. 8, 1938.

Ser. No. 498,137. H. L. GREEN COMPANY, INC., New York, N. Y. Filed Mar. 13, 1946.

SERENADE

FOR RADIO RECEIVING SETS.
Claims use since Oct. 31, 1945.

CLASS 22
GAMES, TOYS, AND SPORTING GOODS

Ser. No. 490,053. ART WIRE AND STAMPING CO., Newark, N. J. Filed Oct. 17, 1945.



FOR ARTIFICIAL FISH BAIT.
Claims use since July 1, 1907.

Ser. No. 490,912. WOOD COMMODITIES CORPORATION, New York, N. Y. Filed Nov. 1, 1945.

PEG -O- MAT

No claim is made to the word "Peg" apart from the mark.
FOR EDUCATIONAL PEG GAME.
Claims use since Mar. 7, 1945.

Ser. No. 492,432. EMANUEL E. EVANS, Youngstown, Ohio. Filed Nov. 30, 1945.

TOOTSIE BANK

No claim is made to the word "Bank" apart from the mark.

FOR TOY BANKS FORMED OF ORNAMENTAL CERAMIC WARE.

Claims use since Aug. 10, 1945.

Ser. No. 496,015. DAISY MANUFACTURING COMPANY, Plymouth, Mich. Filed Feb. 5, 1946.

ATOM

FOR TOY GUNS AND TOY PISTOLS.

Claims use since Jan. 25, 1946.

Ser. No. 499,080. SCIENTIFIC ANGLERS, INC., Midland, Mich. Filed Mar. 27, 1946.

Lifetime

FOR FISHING ROD CASES.

Claims use since Oct. 12, 1945.

Ser. No. 504,214. SOPHIE C. SAWICKI, doing business as Plasticform Co., Brooklyn, N. Y. Filed June 19, 1946.

KING TOT

FOR DOLL CARRIAGES.

Claims use since April 1946.

Ser. No. 504,838. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Filed June 29, 1946.

Punchinello

FOR DOLLS AND DOLLS' CLOTHES.

Claims use since June 5, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 464,642. BENDIX AVIATION CORPORATION, Teterboro, N. J. Filed Nov. 3, 1943.

ECLIPSE

FOR ENGINE STARTING MECHANISMS OF THE INERTIA, DIRECT CRANKING, MANUAL, FLUID PRESSURE, AND CARTRIDGE TYPES, AIR PUMPS, VACUUM PUMPS, ENGINE DRIVEN PUMPS, ENGINE DRIVEN HYDRAULIC PUMPS, MOTOR DRIVEN HYDRAULIC PUMPS, HAND HYDRAULIC PUMPS, HYDRAULIC REMOTE CONTROL UNITS COMPRISING ACTUATORS AND SLAVE PARTS FOR AIRCRAFT, OIL SEPARATORS FOR USE IN REMOVING OIL FROM AIR PRESSURE LINES IN AIRCRAFT, ELECTRO-MECHANICAL ACTUATORS FOR ACCESSORIAL USE IN AIRCRAFT OPERATION, AUTOMATIC THROTTLE AND FUEL MIXTURE CONTROLS FOR ENGINES, PROPELLER PITCH GOVERNOR CONTROLS, AUXILIARAY ENGINES, AUXILIARY POWER SUPPLY SYSTEMS COMPRISING GAS ENGINES, GENERATORS, PUMPS AND THE LIKE, ACCESSORY GEAR BOXES, GEAR REDUCTION UNITS, SUPERCHARGERS, AUTOMATIC SUPERCHARGER REGULATORS, AND MECHANISM FOR THE OPERATION OF INFLATABLE ELEMENTS USEFUL IN THE PREVENTION OF THE ACCUMULATION OF ICE ON OR THE REMOVAL OF ICE FROM EXPOSED SURFACES OF AIRCRAFT, SAID OPERATING MECHANISM COMPRISING AIR PUMPS, OIL SEPARATORS, DISTRIBUTING VALVES, CONTROL VALVES, AIR VALVES AND PRESSURE RELIEF VALVES.

Claims use since Dec. 30, 1925.

Ser. No. 494,658. CONSOLDATED COSMETICS, Chicago, Ill. Filed Jan. 12, 1946.

TABU

FOR SCISSORS.

Claims use since Jan. 11, 1946.

Ser. No. 495,147. NA-MAC PRODUCTS CORPORATION, Hollywood, Calif. Filed Jan. 21, 1946.

WORLBEATER

FOR ROTARY HAND FOOD MIXERS.

Claims use since October 1938.

Ser. No. 497,392. MICHAEL MALECKI, doing business as Michael Malecki Co., Brooklyn, N. Y. Filed Feb. 28, 1946.

PERMA

FOR RAZOR BLADE HOLDERS FOR USE IN SHARPENING BY HONING OR STROPPING.

Claims use since Jan. 7, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 497,124. PANTEX MANUFACTURING CORPORATION, Pawtucket, R. I. Filed Feb. 23, 1946.

Pantex

FOR COMMERCIAL LAUNDRY AND DRY CLEANING EQUIPMENT—NAMELY, GARMENT PRESSING MACHINES, LAUNDRY PRESSING MACHINES, WASHING MACHINES, EXTRACTORS, DRYING TUMBLERS, DRY CLEANING APPARATUS, DRY CLEANING SOLVENT RECOVERY STILLS, DRY CLEANING FILTERS, PUFF IRONS, GARMENT STEAMERS AND FINISHERS, VACUUM PRODUCING APPARATUS FOR DRY CLEANING PRESSES, PRESSING MACHINE BOILERS, AND PARTS THEREOF.

Claims use since Jan. 8, 1945.

Ser. No. 497,405. PANTEX MANUFACTURING CORPORATION, Pawtucket, R. I. Filed Feb. 28, 1946.

Pantex

FOR COMMERCIAL LAUNDRY AND DRY CLEANING EQUIPMENT—NAMELY, GARMENT PRESSING MACHINES, LAUNDRY PRESSING MACHINES, WASHING MACHINES, EXTRACTORS, DRYING TUMBLERS, DRY CLEANING APPARATUS, DRY CLEANING SOLVENT RECOVERY STILLS, DRY CLEANING FILTERS, PUFF IRONS, GARMENT STEAMERS AND FINISHERS, VACUUM PRODUCING APPARATUS FOR DRY CLEANING PRESSES, PRESSING MACHINE BOILERS AND PARTS THEREOF.

Claims use since Jan. 8, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 483,615. GRANAT BROS., INC., San Francisco, Calif. Filed May 21, 1945.

I LOVE YOU

FOR FINGER RINGS.

Claims use since Apr. 23, 1945.

Ser. No. 485,405. ABE A. FRIEDMAN, Augusta, Ga. Filed July 3, 1945.

Hearts★Desire

FOR DIAMONDS, DIAMOND RINGS, STONE RINGS, WEDDING RINGS, DIAMOND WEDDING RINGS, RING MOUNTINGS AND WEDDING RING MOUNTINGS.

Claims use since July 1, 1944.

Ser. No. 489,666. H. & S. ORIGINALS, New York, N. Y. Filed Oct. 9, 1945.

Duchess

FOR SIMULATED PEARLS.

Claims use since Jan. 2, 1945.

Ser. No. 498,411. ROBERT FLEISCHER COMPANY, New York, N. Y. Filed Mar. 18, 1946.

La Marquise

FOR BRACELETS, BROOCHES, EARRINGS, LOCKETS, NECKLACES, ORNAMENTAL PINS AND ROSARIES MADE OF PRECIOUS OR SEMI-PRECIOUS METAL.

Claims use since Sept. 10, 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 494,685. INFILCO INCORPORATED, Chicago, Ill. Filed Jan. 12, 1946.

INTERNATIONAL

FOR FILTERING APPARATUS FOR THE CLARIFICATION AND PURIFICATION OF AQUEOUS LIQUIDS AND SUSPENSIONS.
Claims use since Oct. 11, 1902.

Ser. No. 503,305. MASTER INDUSTRIES, INC., New York, N. Y. Filed June 5, 1946.

MI

FOR ICE CREAM FREEZER.
Claims use since May 28, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 495,920. THE VINCENT-MCCALL COMPANY, Kenosha, Wis. Filed Feb. 2, 1946.



FOR MATTRESSES.
Claims use since Dec. 4, 1945.

Ser. No. 495,921. THE VINCENT-MCCALL COMPANY, Kenosha, Wis. Filed Feb. 2, 1946.



FOR MATTRESSES.
Claims use since Nov. 1, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 498,193. WILSTER, INC., Cleveland, Ohio. Filed Mar. 13, 1946.

STRATO-LIMINATOR

FOR ELECTRIC FANS AND VENTILATING GRILLES USED FOR HEATING AND VENTILATING.
Claims use since Oct. 24, 1945.

Ser. No. 500,721. ALUMINUM PRODUCTS CO., San Francisco, Calif. Filed Apr. 23, 1946.

Alumin-Air

The word "Air" is disclaimed apart from the mark.
FOR WINDOW VENTILATORS.
Claims use since Sept. 15, 1945.

Ser. No. 500,881. HOLOPHANE COMPANY, INC., New York, N. Y. Filed Apr. 25, 1946.

HOLO SKY

FOR GLASS, PLASTIC AND COMBINATIONS OF METAL AND GLASS AND/OR PLASTIC REFRACTORS AND REFLECTORS.
Claims use since Mar. 22, 1946.

Ser. No. 501,838. ELCO LAMP & SHADE STUDIO, New York, N. Y. Filed May 10, 1946.

TABLEAU

by ELCO

FOR LAMP SHADES.
Claims use since Dec. 3, 1945.

Ser. No. 501,839. ELCO LAMP & SHADE STUDIO, New York, N. Y. Filed May 10, 1946.

TRI-VUE

by ELCO

FOR LAMP SHADES.
Claims use since Dec. 3, 1945.

Ser. No. 502,065. FLASHLIGHT COMPANY OF AMERICA, Jersey City, N. J. Filed May 14, 1946.

JEWELTONE

FOR PYROPHORIC CIGARETTE AND CIGAR LIGHTERS.
Claims use since Nov. 1, 1945.

Ser. No. 502,994. NORMAN PRODUCTS COMPANY, Columbus, Ohio. Filed May 29, 1946.

NORGAS

FOR GAS CONVERSION BURNER FOR ORDINARY HOUSE HEATING FURNACES ORIGINALLY DESIGNED FOR BURNING SOLID FUEL, AND PARTS THEREOF.
Claims use since October 1945.

Ser. No. 503,014. A. O. SMITH CORPORATION, Milwaukee, Wis. Filed May 29, 1946.



No claim is made to the name "Smith" except when used in association with other features of the mark.
FOR AUTOMATIC STOKERS AND PARTS THEREOF.
Claims use since Jan. 6, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 483,407. IRVING WORTHMAN, Brooklyn, N. Y. Filed May 15, 1945.

Kis-n-make-up

The lining on the drawing is for shading only.
FOR FACIAL TISSUE.
Claims use since Mar. 1, 1945.

Ser. No. 492,668. UNIQUE ART MANUFACTURING COMPANY, INC., Newark, N. J. Filed Dec. 4, 1945.

Call-a-Phone

The designation "Phone" is disclaimed apart from the mark.
FOR TELEPHONE INDEXES (BLANK).
Claims use since Nov. 28, 1945.

Ser. No. 493,116. GENERAL FIBRE PRODUCTS CO., Maspeth, N. Y. Filed Dec. 12, 1945.



FOR PLATES, CIRCLES, AND BOARDS MADE OF CARDBOARD AND TO BE USED AS SUPPORTS FOR CAKES.
Claims use since Nov. 8, 1945.

Ser. No. 493,450. NATIONAL PENCIL COMPANY, Shelbyville, Tenn. Filed Dec. 17, 1945.

"Fuse-Jex"

FOR WOODCASED LEAD PENCILS.
Claims use since July 15, 1944.

Ser. No. 493,939. AGENCY PAPER COMPANY, New York, N. Y. Filed Dec. 28, 1945.

"Frills"

The drawing is lined for shading only.
FOR AIR MAIL PAPER, AIR MAIL ENVELOPES, PRINTING PAPER, PAPETERIES, MAILING ENVELOPES, WRITING PAPER, TABLETS, WRAPPING PAPER, AND DUPLICATING PAPERS.
Claims use since Dec. 13, 1945.

Ser. No. 494,352. NATIONAL PENCIL COMPANY, Shelbyville, Tenn. Filed Jan. 5, 1946.

CORSAIR

FOR PENCILS, LEADS, ERASERS, PENS AND PENHOLDERS.
Claims use since Dec. 12, 1945.

Ser. No. 494,353. NATIONAL PENCIL COMPANY, Shelbyville, Tenn. Filed Jan. 5, 1946.

SALON

FOR PENCILS, LEADS, ERASERS, PENS, AND PENHOLDERS.
Claims use since Dec. 12, 1945.

Ser. No. 495,473. THE HINDE & DAUCH PAPER COMPANY, Sandusky, Ohio. Filed Jan. 26, 1946.

Plypak

FOR LAMINATED PAPER WRAPPING MATERIAL USED AS A PROTECTIVE WRAPPING FOR FRAGILE PRODUCTS SUCH AS GLASSWARE, POTTERY, AND THE LIKE.
Claims use since June 1, 1945.

Ser. No. 497,274. SCRIPTO MANUFACTURING COMPANY, Atlanta, Ga. Filed Feb. 26, 1946.

WORDMASTER

FOR MECHANICAL PENCILS, PENCIL LEADS, AND ERASERS.
Claims use since Nov. 26, 1945.

Ser. No. 497,413. RITE-RITE MFG. CO., Downers Grove, Ill. Filed Feb. 28, 1946.

Viewpoint

FOR MECHANICAL PENCILS.
Claims use since Sept. 14, 1940.

CLASS 38

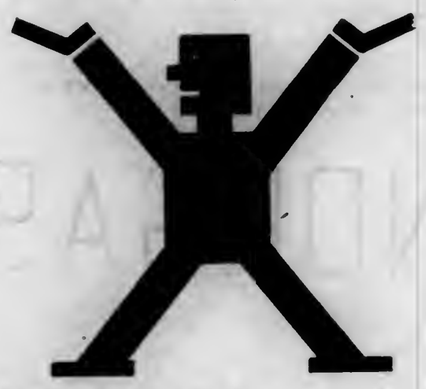
PRINTS AND PUBLICATIONS

Ser. No. 495,843. TECHNIFINISH LABORATORY, INC., Rochester, N. Y. Filed Feb. 1, 1946.



Applicant disclaims the exclusive right to the words "Quality-Economy" except in association with the other features of the mark.
FOR PHOTOGRAPHIC PRINTS.
Claims use since February 1939.

Ser. No. 495,844. TECHNIFINISH LABORATORY, INC., Rochester, N. Y. Filed Feb. 1, 1946.



FOR PHOTOGRAPHIC PRINTS.
Claims use since February 1939.

Ser. No. 497,634. TECHNIFINISH LABORATORY, INC., Rochester, N. Y. Filed Mar. 4, 1946.

TECHNIFINISH

FOR PHOTOGRAPHIC PRINTS.
Claims use since about November 1944, and since about February 1939 as to a different style of lettering of the word "Technifinish".

Ser. No. 497,635. TECHNIFINISH LABORATORY, INC., Rochester, N. Y. Filed Mar. 4, 1946.

TECHNIFINISH

FOR PHOTOGRAPHIC PRINTS.
Claims use since about Jan. 1, 1946, and since about February 1939 as to the word "Technifinish" in a different style of lettering.

Ser. No. 497,636. TECHNIFINISH LABORATORY, INC., Rochester, N. Y. Filed Mar. 4, 1946.



Applicant disclaims the exclusive right to the words "Quality-Economy" except in association with the other features of the mark.
FOR PHOTOGRAPHIC PRINTS.
Claims use since about Jan. 1, 1946, and since about February 1939 as to the wording in a different style of lettering.

Ser. No. 497,637. TECHNIFINISH LABORATORY, INC., Rochester, N. Y. Filed Mar. 4, 1946.

TECHNISTAT

FOR PHOTOGRAPHIC PRINTS.
Claims use since Jan. 14, 1946.

Ser. No. 498,402. COWLES MAGAZINES, INC., Des Moines, Iowa. Filed Mar. 18, 1946.



"America" is disclaimed apart from the mark.
FOR SECTION OF A REGULARLY ISSUED MAGAZINE.
Claims use since Jan. 22, 1946.

Ser. No. 498,509. THE DONALINE PUBLISHING COMPANY, INCORPORATED, Columbia, S. C. Filed Mar. 19, 1946.

MAGALETTRE

FOR PERIODICAL PUBLICATIONS.
Claims use since Mar. 4, 1946.

Ser. No. 498,666. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Filed Mar. 20, 1946.

smarty pants

FOR GREETING CARDS.
Claims use since Jan. 31, 1946.

Ser. No. 498,667. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Filed Mar. 20, 1946.

Curli-Cue

FOR GREETING CARDS.
Claims use since Jan. 31, 1946.

Ser. No. 498,668. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Filed Mar. 20, 1946.

"WINTER WONDERLAND"

FOR GREETING CARDS.
Claims use since Jan. 31, 1946.

Ser. No. 498,670. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Filed Mar. 20, 1946.

MULBERRY LANE

FOR GREETING CARDS.
Claims use since Jan. 31, 1946.

Ser. No. 498,671. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Filed Mar. 20, 1946.

Winter-Glo

FOR GREETING CARDS.
Claims use since Jan. 31, 1946.

Ser. No. 498,737. TIPS MAGAZINE, INC., New York, N. Y. Filed Mar. 21, 1946.

tips

FOR WEEKLY PERIODICAL.
Claims use since Mar. 16, 1946.

Ser. No. 499,123. HAROLD J. DELANEY, Providence, R. I. Filed Mar. 28, 1946.

HUMANITY

FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since Mar. 8, 1946.

Ser. No. 499,187. ALEXANDRIA, BARCROFT & WASHINGTON TRANSIT COMPANY, doing business as A. B. & W. Transit Company, Alexandria, Va. Filed Mar. 29, 1946.

TRANSITEER

FOR PERIODICAL.
Claims use since Feb. 9, 1946.

CLASS 39

CLOTHING

Ser. No. 476,241. DAVIS CLOTHING COMPANY, Boston, Mass. Filed Nov. 8, 1944.

LAN-C-AIR

FOR MILITARY UNIFORMS, INDUSTRIAL UNIFORMS, AND UNIFORMS FOR PERSONS ENGAGED IN PROFESSIONS SUCH AS NURSES AND THE LIKE.
Claims use since Sept. 7, 1944.

Ser. No. 478,947. JULIAN S. COHN, New York, N. Y. Filed Jan. 24, 1945.

Personality

FOR HANDKERCHIEFS.
Claims use since January 1930.

Ser. No. 479,799. JOLO MERCHANDISE COMPANY INC., New York, N. Y. Filed Feb. 14, 1945.

JoLo

FOR WATERPROOF CAPES, APRONS, RAINCAPS, RAINHOODS, SHOWERCAPS, AND BABY PANTS.
Claims use since 1941.

Ser. No. 483,217. DAVISVILLE HOSIERY MILL, Davisville, Pa. Filed May 11, 1945.

DAVETTE

FOR HOSIERY.
Claims use since July 5, 1941.

Ser. No. 488,034. MORRIS W. HAFT & BROTHERS INC., New York, N. Y. Filed Sept. 6, 1945.

JAUNTEEN

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, AND COAT AND SUIT ENSEMBLES.
Claims use since Mar. 28, 1939.

Ser. No. 489,523. MAVEST INC., New York, N. Y. Filed Oct. 6, 1945.

NorthBreeze

FOR WOMEN'S AND MEN'S SUITS, COATS, AND PANTS.
Claims use since Oct. 1, 1944.

Ser. No. 490,193. KNITTING WORKS ZIMMERLI & COMPANY, Aarburg, Switzerland. Filed Oct. 19, 1945.

Zimco

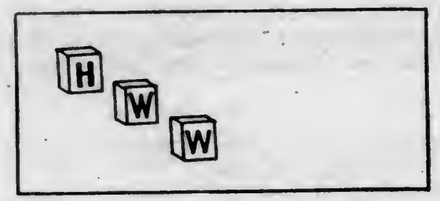
The mark consists of the word "Zimco".
FOR MEN'S, WOMEN'S, AND CHILDREN'S KNITTED WEAR—NAMELY, UNDERWEAR, SWEATERS, BASQUE SHIRTS, POLO SHIRTS, GLOVES, MITTENS, AND TOQUES.
Claims use since 1940.

Ser. No. 496,566. CHARLES H. PFUHL, Ramsey, N. J. Filed Feb. 14, 1946.

PHILLIPA'S

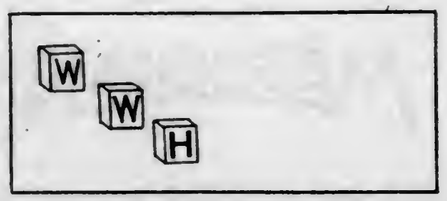
FOR GIRLS' AND WOMEN'S DRESSES AND COMBINATION BLOUSE-SLIPS; CHILDREN'S AND WOMEN'S COATS AND SPORT CLOTHES—NAMELY, RIDING SUITS AND AIR TRAVEL SUITS.
Claims use since Jan. 21, 1946.

Ser. No. 497,795. HI-LINE CO., INC., New York, N. Y. Filed Mar. 7, 1946.



FOR INFANTS', CHILDREN'S, BOYS', GIRLS', MISSES' AND WOMEN'S APPAREL—NAMELY, OVERALLS, COVERALLS, SUITS, BLOUSES, BLOUSE AND PANTS COMBINATIONS, DRESSES, SLEEPING GARMENTS, PLAYSUITS, AND SUNSUITS.
Claims use since Sept. 20, 1945.

Ser. No. 497,796. HI-LINE CO., INC., New York, N. Y. Filed Mar. 7, 1946.



FOR INFANTS', CHILDREN'S, BOYS', GIRLS', MISSES' AND WOMEN'S APPAREL—NAMELY, OVERALLS, COVERALLS, SUITS, BLOUSES, BLOUSE AND PANTS COMBINATIONS, DRESSES, SLEEPING GARMENTS, PLAYSUITS, AND SUNSUITS.
Claims use since Sept. 20, 1945.

Ser. No. 498,632. JACK L. HONIG, INC., New York, N. Y. Filed Mar. 20, 1946.



The word "Frock" is disclaimed apart from the mark. The picture of the girl is fanciful.
FOR CHILDREN'S AND MISSES' DRESSES.
Claims use since Feb. 1, 1946.

Ser. No. 499,023. TAMRO PRODUCTS, New York, N. Y. Filed Mar. 26, 1946.

"TAMMIES"
by Tamro

FOR MEN'S AND BOYS' UNDERWEAR AND SHORTS FOR OUTER WEAR.
Claims use since Mar. 15, 1946.

Ser. No. 499,439. SLEEPWEAR, INC., New York, N. Y. Filed Apr. 1, 1946.

RESTYME

FOR MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS AND NIGHTSHIRTS.
Claims use since Jan. 22, 1946.

Ser. No. 500,097. LOEB & HOCH, INC., New York, N. Y. Filed Apr. 12, 1946.

LELANDRA

FOR LADIES', MISSES' AND JUNIOR MISSES' COATS AND SUITS.
Claims use since Dec. 1, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 483,390. VERNEY FABRICS CORPORATION, New York, N. Y. Filed May 15, 1945.

ARIA

FOR PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK AND MIXTURES THEREOF.
Claims use since Apr. 1, 1945.

Ser. No. 483,392. VERNEY FABRICS CORPORATION, New York, N. Y. Filed May 15, 1945.

CH'INTANG

FOR PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK AND MIXTURES THEREOF.
Claims use since Apr. 1, 1945.

Ser. No. 483,395. VERNEY FABRICS CORPORATION, New York, N. Y. Filed May 15, 1945.

Folksong

FOR PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK AND MIXTURES THEREOF.
Claims use since Apr. 1, 1945.

Ser. No. 483,397. VERNEY FABRICS CORPORATION, New York, N. Y. Filed May 15, 1945.

KINTUNG

FOR PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK AND MIXTURES THEREOF.
Claims use since Apr. 1, 1945.

Ser. No. 483,398. VERNEY FABRICS CORPORATION, New York, N. Y. Filed May 15, 1945.

KISSAR

FOR PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK AND MIXTURES THEREOF.
Claims use since Apr. 1, 1945.

Ser. No. 483,400. VERNEY FABRICS CORPORATION, New York, N. Y. Filed May 15, 1945.

NEWSONG

FOR PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK AND MIXTURES THEREOF.
Claims use since Apr. 1, 1945.

Ser. No. 483,404. VERNEY FABRICS CORPORATION, New York, N. Y. Filed May 15, 1945.

Vihuela

FOR PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK AND MIXTURES THEREOF.
Claims use since Apr. 1, 1945.

Ser. No. 485,798. SANI-MODE MFG. CO., Chicago, Ill., assignor to Sani-Mode Mfg. Co., Chicago, Ill., a corporation of Illinois. Filed July 13, 1945.

SANI-MODE

No claim is made to the word "Mode" apart from the mark.
FOR WINDOW DRAPES, BED SPREADS, MATTRESS COVERS, COMFORTER COVERS AND CRIB SHEETS.
Claims use since February 1938.

Ser. No. 487,578. J. L. STIFEL & SONS, INC., Wheeling, W. Va. Filed Aug. 25, 1945.

ANNEX BLUE LINE

Applicant is the owner of Reg. No. 211,232. No claim is made to the exclusive use of the words "Blue Line" apart from the mark.
FOR DRAPERIES AND CURTAINS.
Claims use since Sept. 16, 1944.

Ser. No. 488,109. J. B. LEWIS & SONS LIMITED, Nottingham, England. Filed Sept. 7, 1945.

MERIDIAN

FOR PIECE GOODS MADE OF COTTON, NATURAL SILK, WOOL, LINEN, RAYON, GLASS, NYLON, VINYL RESIN FIBRES AND VINYLIDENE POLYMERS, AND COMBINATIONS THEREOF.
Claims use since Dec. 10, 1928.

Ser. No. 490,826. RALPH S. HARTE, San Francisco, Calif. Filed Oct. 31, 1945.

Plastone

The mark consists of the word "Plastone."
FOR THIN TRANSPARENT OR TRANSLUCENT SHEETS OR FILMS OF POLYVINYL CHLORIDE RESIN SOLD AS PIECE GOODS FOR USE IN MAKING SHOWER CURTAINS, BATHROOM CURTAINS, APRONS, PILLOW CASES, BABY GARMENTS, RAIN COATS AND THE LIKE.
Claims use since Aug. 1, 1945.

Ser. No. 490,993. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Nov. 3, 1945.

BEMIS

FOR TUBING MADE OF JUTE, COTTON AND/OR PAPER FABRIC.
Claims use since Mar. 1, 1938.

Ser. No. 491,520. SOMERSVILLE MF'G. COMPANY, Somersville, Conn. Filed Nov. 13, 1945.

Woolsted

FOR WOOL PIECE GOODS.
Claims use since Sept. 1, 1945.

Ser. No. 493,846. SYNDICAT DES FABRICANTS DE SOIERIES ET TISSUS DE LYON, Lyon, France. Filed Dec. 22, 1945. Under the act of February 20, 1905, as amended June 10, 1938.



FOR PIECE GOODS COMPOSED WHOLLY OR IN PART OF WOOL, HAIR, SILK, RAYON, COTTON, HEMP, FLAX, JUTE, ALPHA FIBRE, ALOE FIBRE, VEGETABLE FIBRE, OR MIXTURES THEREOF.
Claims use since Nov. 9, 1944.

Ser. No. 494,980. FRANCO SCALAMANDRÉ, doing business as Scalamandré Silks, New York, N. Y. Filed Jan. 18, 1946.

FABRICS YOU CAN FEEL WITH YOUR EYES

No claim is made to the word "Fabrics" except in the manner and arrangement shown.
FOR TEXTILE FABRICS IN THE PIECE, IN THE NATURE OF DAMASK, BROCADE AND SATIN, MADE OF SILK AND COTTON AND MIXTURES THEREOF.
Claims use since Mar. 1, 1945.

Ser. No. 496,051. STEVENSON'S MOYGASHEL LINENS, LTD., New York, N. Y. Filed Feb. 5, 1946.

CREBASSI

FOR LINEN PIECE GOODS.
Claims use since Dec. 4, 1945.

Ser. No. 496,183. WALTHER MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 7, 1946.

WALBROSA

FOR WOOLEN PIECE GOODS.
Claims use since Nov. 30, 1945.

Ser. No. 496,184. WALTHER MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 7, 1946.

WALTENE

FOR WOOLEN PIECE GOODS.
Claims use since Nov. 30, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 502,166. STEDFAST RUBBER CO., INC., Mattapan, Mass. Filed May 15, 1946.

STEDGRIP

FOR RUBBERIZED HOSPITAL SHEETING.
Claims use since April 1936.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 489,242. WHEATLEY MAYONNAISE CO., INC., Louisville, Ky. Filed Oct. 1, 1945.

Lady Betty

FOR MAYONNAISE, SANDWICH SPREAD COMPOSED OF PICKLES AND DRESSING, HOME STYLE DILL PICKLES, THOUSAND ISLAND DRESSING, MINCEMEAT, FRENCH DRESSING, CHILI SAUCE, CUCUMBER WAFERS, SALAD DRESSING, POTATO SALAD, BARBECUE SAUCE, RUSSIAN TYPE FRENCH DRESSING, PRUNE JUICE AND MACARONI SALAD.

Claims use since Dec. 20, 1930, on mayonnaise; since Dec. 20, 1930, on sandwich spread; since Jan. 10, 1931, on home style dill pickles; since June 11, 1931, on Thousand Island dressing; since Nov. 3, 1931, on mincemeat; since June 23, 1932, on French dressing; since Sept. 27, 1932, on chili sauce; since Aug. 16, 1933, on cucumber wafers; since Apr. 19, 1933, on salad dressing; since June 9, 1938, on potato salad; since Nov. 29, 1939, on barbecue sauce; since July 16, 1942, on Russian type French dressing; since Apr. 20, 1943, on prune juice; and since Nov. 19, 1944, on macaroni salad.

Ser. No. 491,541. BLANKE-BAER EXTRACT & PRESERVING CO., St. Louis, Mo. Filed Nov. 14, 1945.

WIN-YOU

Applicant is the owner of registrations 159,282, 218,458, 237,978, 238,210, 240,295, 391,854, 393,207 and 393,518.

FOR JAM, MARMALADE, FRUIT BUTTERS, FRUIT PRESERVES, PRESERVED FRUIT, JELLIES, FLAVORING EXTRACTS FOR FOODS, PEANUT BUTTER, SANDWICH SPREAD, MUSTARD, PICKLES, OLIVES, SALAD DRESSING, MAYONNAISE, MARSHMALLOW CREME, BARBECUE SAUCE, FRENCH DRESSING, WAFFLE SYRUP, AND THE FOLLOWING PRODUCTS FOR USE ON OR IN ICE CREAM: FRUIT MIXTURES PRESERVED WITH SUGAR, FRUIT JUICES, FOUNTAIN FRUITS PACKED IN CANS, KEGS, BARRELS AND GLASS JARS FOR SODA FOUNTAINS AND HOME USE, CHOCOLATE SYRUP, CHOCOLATE PASTE, MARSHMALLOW CREME, DRY NUTMEATS, NUTMEATS IN SYRUP, AND FROZEN DECIDUOUS FRUITS AND BERRIES TO WIT PINEAPPLE CUTTINGS, SLICED PEACHES, SLICED STRAWBERRIES AND BROKEN DOMESTIC CHERRIES.

Claims use since Feb. 7, 1934, on marmalade; since Aug. 1, 1918, on fruit butters, fruit preserves, jellies and flavoring extracts; since Jan. 6, 1927, on peanut butter, mustard, and French dressing; since Jan. 12, 1926, on pickles and olives; since June 13, 1927, on salad dressing and mayonnaise; since Oct. 1, 1945, on barbecue sauce and waffle syrup; and since about 1924, on all other products.

Ser. No. 492,636. THE MAGIC NUT SHOP, Los Angeles, Calif. Filed Dec. 4, 1945.

MAGIC
Cockle Shells

The word "Shells" is disclaimed apart from the mark.

FOR MACARONI SHELLS COOKED IN HOT OIL AND THEN FLAVORED WITH GRATED CHEESE AND GARLIC SALT.

Claims use since Aug. 14, 1941.

Ser. No. 492,849. E. J. MUTCHLER, Sinton, Tex. Filed Dec. 7, 1945.

HI-SIGN

FOR FRESH VEGETABLES.

Claims use since Nov. 12, 1945.

Ser. No. 494,743. A. E. FINGERHUT, doing business as Sinesac Company, Cleveland, Ohio. Filed Jan. 14, 1946.

SINESAC

FOR A SWEETENING COMPOUND, CONSISTING ESSENTIALLY OF SORBITOL AND ADAPTED FOR USE IN DIABETIC DIETS.

Claims use since Mar. 8, 1941.

Ser. No. 495,422. THREE RIBBONS PACKING COMPANY, Mountain View, Calif. Filed Jan. 25, 1946.

3 RIBBONS

FOR CANNED SPAGHETTI WITH MUSHROOM SAUCE AND A CANNED DINNER OF EGG NOODLES, CHICKEN BROTH, CORNED TURKEY GIBLETS, CARROTS, CHICKEN FAT, OKRA, SALT AND SPICES.

Claims use since Jan. 31, 1945.

Ser. No. 496,204. CRYNS PRODUCTS, INC., Chicago, Ill. Filed Feb. 8, 1946.

CRYNS
C.C.L.
CAKE LINER

"Cryns" and "Cake Liner" are disclaimed apart from the mark.

FOR CAKE LINER IN GREASE FORM, FOR APPLYING TO CONTAINERS IN WHICH CAKES ARE BAKED TO PERMIT THEIR WITHDRAWAL FROM THE CONTAINERS.

Claims use since June 6, 1945.

Ser. No. 496,206. CRYNS PRODUCTS, INC., Chicago, Ill. Filed Feb. 8, 1946.

CRYNS
C.F.Y.
FOOD FOR YEAST

"Cryns" and "Food for Yeast" are disclaimed apart from the mark.

FOR FOOD FOR YEAST IN POWDERED FORM, CONTAINING MINERAL SALTS, INACTIVE YEAST, AND CEREAL FLOURS.

Claims use since June 6, 1945.

Ser. No. 496,208. CRYNS PRODUCTS, INC., Chicago, Ill. Filed Feb. 8, 1946.

CRYNS
C.R.Y.
RYE YEAST

"Cryns" and "Rye Yeast" are disclaimed apart from the mark.

FOR RYE YEAST.

Claims use since June 6, 1945.

Ser. No. 496,500. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash. Filed Feb. 13, 1946.

A-M

FOR BREAKFAST CEREALS.

Claims use since July 23, 1945.

Ser. No. 498,434. HORACE J. MEYER, doing business as Blossom Acres Ranch, Paso Robles, Calif. Filed Mar. 18, 1946.

HUBBA-HUBBA

FOR NUT CANDIES.

Claims use since Sept. 4, 1945.

Ser. No. 499,632. KRAFT FOODS COMPANY, Chicago, Ill. Filed Apr. 4, 1946.

DELYN

FOR DRIED WHEY FOR USE IN POULTRY AND ANIMAL FEEDS.

Claims use since Mar. 3, 1930.

Ser. No. 499,638. KRAFT FOODS COMPANY, Chicago, Ill. Filed Apr. 4, 1946.

KRAYSTAY

FOR STABILIZING MATERIAL FOR USE IN SOUPS AND OTHER FOOD PRODUCTS.
Claims use since Mar. 7, 1939.

CLASS 47

WINES

Ser. No. 490,062. ETIVISTA WINERY & VINEYARDS, Cucamonga and Etiwanda, Calif. Filed Oct. 17, 1945.

Etivista

FOR WINES.
Claims use since May 16, 1945.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 482,637. OHIO BREWERY, INC., Columbus, Ohio. Filed Apr. 26, 1945.



Applicant disclaims the words "Extra Aged Beer Extra Good" and "Master Brewer" apart from the mark.
FOR BOTTLE BEER.
Claims use since Dec. 11, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 17, 1946

423,911. ALKALINE DETERGENT ADAPTED FOR CLEANING BLOOD TRANSFUSION EQUIPMENT, SURGICAL INSTRUMENTS AND HOSPITAL LABORATORY GLASSWARE. DON BAXTER, INC., Glendale, Calif.
Filed June 5, 1944. Serial No. 470,909. PUBLISHED JUNE 11, 1946. Class 4.

423,912. PERIODICAL PUBLICATION. SLOVENE NATIONAL BENEFIT SOCIETY, Chicago, Ill.
Filed December 11, 1944. Serial No. 477,433. PUBLISHED JUNE 25, 1946. Class 38.

423,913. SOAP ADAPTED TO BE DISSOLVED IN WATER TO PROVIDE A COOLANT FLUID FOR CUTTING AND GRINDING. THE DU BOIS COMPANY, Cincinnati, Ohio.
Filed December 23, 1944. Serial No. 477,872. PUBLISHED JUNE 11, 1946. Class 4.

423,914. READY-MIXED PAINTS AND PAINT ENAMELS, PAINT COLORS, VARNISHES, LACQUERS, THINNERS FOR PAINTS AND PAINT ENAMELS, ETC. ATLAS POWDER COMPANY, Wilmington, Del.
Filed January 20, 1945. Serial No. 478,800. PUBLISHED JUNE 11, 1946. Class 16.

423,915. RUM. COMPAÑIA COMERCIAL E INDUSTRIAL NICOLAS MERINO S. A., Habana, Cuba.
Filed January 24, 1945. Serial No. 478,950. PUBLISHED JULY 2, 1946. Class 49.

423,916. SECTION OF A PUBLICATION DEALING WITH ARTICLES ON STYLE-FASHIONING AND OBSERVATIONS OF INTERESTING PEOPLE, PLACES AND EVENTS, PUBLISHED BIMONTHLY. LINDEN HILL CORPORATION, New York, N. Y.
Filed January 31, 1945. Serial No. 479,244. PUBLISHED JUNE 25, 1946. Class 38.

423,917. UNWOVEN FIBER SHEETING IN THE NATURE OF CLOTH AND PAPER, PREPARED BY BINDING FLEECES OR WEBS OF INDIVIDUAL FIBERS, ETC. CHICOPEE SALES CORPORATION, New York, N. Y.
Filed February 1, 1945. Serial No. 479,279. PUBLISHED JUNE 25, 1946. Class 37.

423,918. INGOTS AND CASTINGS OF LEAD ALLOYS. NATIONAL LEAD COMPANY, New York. N. Y.
Filed March 22, 1945. Serial No. 481,190. PUBLISHED JUNE 18, 1946. Class 14.

423,919. COMPOUND IN LIQUID FORM FOR CLEANING RUGS, CARPETS, UPHOLSTERY, WOODWORK, LEATHER, ETC. EVERETT M. GOENS, Richmond, Ind.
Filed March 30, 1945. Serial No. 481,538. PUBLISHED JUNE 11, 1946. Class 4.

423,920. STEEL FORGINGS. HEPPENSTALL COMPANY, Pittsburgh, Pa.
Filed April 4, 1945. Serial No. 481,703. PUBLISHED JUNE 11, 1946. Class 14.

423,921. STEEL FORGINGS. HEPPENSTALL COMPANY, Pittsburgh, Pa.
Filed April 4, 1945. Serial No. 481,704. PUBLISHED JUNE 11, 1946. Class 14.

423,922. AIRCRAFT HEATERS. SOLAR AIRCRAFT COMPANY, San Diego, Calif.
Filed April 23, 1945. Serial No. 482,510. PUBLISHED JULY 2, 1946. Class 34.

423,928. PUBLICATION ISSUED PERIODICALLY PERTAINING TO THE BUSINESS OF REGISTRANT. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed April 27, 1945. Serial No. 482,664. PUBLISHED JULY 2, 1946. Class 38.

423,924. PACKING AND SHIPPING CASES MADE PRINCIPALLY OF WOOD. DADE BROTHERS, INC., Mineola, N. Y.
Filed May 9, 1945. Serial No. 483,134. PUBLISHED JUNE 25, 1946. Class 2.

423,925. FRUIT CAKE. MARY POSTON WALLACE, doing business as Mary Wallace Food Specialties, Newport, Ky.
Filed May 21, 1945. Serial No. 483,641. PUBLISHED JUNE 25, 1946. Class 46.

423,926. LADIES', MISSES', AND GIRLS' DRESSES, BLOUSES, PLAYSUITS, JUMPERS, AND SKIRTS; AND MEN'S AND BOYS' SPORT SHIRTS, NECKTIES, AND SCARFS. CREST FABRICS CORP., New York, N. Y.
Filed June 21, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 484,831. PUBLISHED JUNE 4, 1946. Class 39.

423,927. PREPARED FOODS—NAMELY, GROUND MEAT SANDWICHES. ROBERT E. FRIZZELL, Fort Worth, Tex.
Filed July 5, 1945. Serial No. 485,477. PUBLISHED JULY 2, 1946. Class 46.

423,928. FERROUS OR NONFERROUS METALS PROTECTIVELY SURFACED BY TREATMENT WITH COATING METALS OR ALLOYS. STANDARD STEEL SPRING COMPANY, Coraopolis, Pa.
Filed July 9, 1945. Serial No. 485,613. PUBLISHED DECEMBER 11, 1945. Class 14.

423,929. LIQUID PREPARATION FOR CLEANSING AND POLISHING FURNITURE, AUTOMOBILES, HARD WOOD FLOORS, FINISHED INDOOR WOODWORK, AND HAVING INCIDENTAL PROPERTIES AS A GLASS CLEANING PREPARATION. STANDARD OIL COMPANY, Louisville, Ky.
Filed July 10, 1945. Serial No. 485,663. PUBLISHED JUNE 11, 1946. Class 16.

423,930. WHISKEY. SECURITY LIQUOR COMPANY, St. Louis, Mo.
Filed July 16, 1945. Serial No. 485,888. PUBLISHED JULY 2, 1946. Class 49.

423,931. HOUSE AND CAMP TRAILERS. HARRY E. WEISSBERG, Los Angeles, Calif.
Filed August 6, 1945. Serial No. 486,838. PUBLISHED JULY 2, 1946. Class 19.

423,932. WHISKEY. CONSOLIDATED DISTILLERIES, INC., East Taunton, Mass.
Filed August 21, 1945. Serial No. 487,357. PUBLISHED JULY 2, 1946. Class 49.

423,933. CLEANSING PREPARATION IN THE FORM OF A CREAM OR PASTE. BEACH SOAP COMPANY, Lawrence, Mass.
Filed August 29, 1945. Serial No. 487,697. PUBLISHED JUNE 11, 1946. Class 4.

423,934. FAUCET WASHERS OF RUBBER OR SIMILAR MATERIAL. CHARLES F. HAUSE, doing business as Chas. F. Hause Mfg. Co., Reseda, Calif.
Filed September 11, 1945. Serial No. 488,266. PUBLISHED JULY 2, 1946. Class 35.

423,935. METAL CASTINGS MADE OF FERROUS AND NON-FERROUS METALS AND ALLOYS. AUSTENAL LABORATORIES, INCORPORATED, New York, N. Y.
Filed September 12, 1945. Serial No. 488,307. PUBLISHED JUNE 4, 1946. Class 14.

423,936. CIGARETTE AND CIGAR HOLDERS, PIPE CLEANERS, PIPES, AND PIPE RACKS. REVOC, INC., New York, N. Y.
Filed September 12, 1945. Serial No. 488,370. PUBLISHED JULY 2, 1946. Class 8.

423,937. DOLLS, GAMES REQUIRING THE PIECES USED TO BE CUT FROM LARGER SHEETS, TOY PAINT BOOKS, TOY COLORING AND PAINTING SETS, ETC. REVOC, INC., doing business as Cover Girl, New York, N. Y.
Filed September 12, 1945. Serial No. 488,372. PUBLISHED JULY 2, 1946. Class 22.

423,938. LAWN AND PARTY ROOM FURNITURE—NAMELY, TABLES, TETE-A-TETES, CHAISE LONGUES, COFFEE TABLES, BENCHES, CHAIRS, STOOLS, AND UMBRELLA TABLES. WESTERN TRAIL COMPANY, Portland, Oreg.
Filed September 17, 1945. Serial No. 488,631. PUBLISHED JULY 2, 1946. Class 32.

423,939. WATCHES AND CLOCKS, BOTH CASED AND UNCASED, AND PARTS THEREFOR. THE UNITED STATES TIME CORPORATION, Waterbury, Conn.
Filed September 22, 1945. Serial No. 488,877. PUBLISHED JULY 2, 1946. Class 27.

423,940. PRINTED BOOKS. GROSSET & DUNLAP, INC., New York, N. Y.
Filed September 24, 1945. Serial No. 488,897. PUBLISHED JULY 2, 1946. Class 38.

423,941. PAPETERIE. ROYAL STATIONERY AND PRINTING CO., Minneapolis, Minn.
Filed October 4, 1945. Serial No. 489,417. PUBLISHED JUNE 25, 1946. Class 37.

423,942. WELDING RODS. CALLITE TUNGSTEN CORPORATION, Union City, N. J.
Filed October 5, 1945. Serial No. 489,438. PUBLISHED JUNE 11, 1946. Class 14.

423,943. BELTING FOR POWER TRANSMISSION FOR CARD STRIPPERS AND SPINNING MULES. F. W. MCLANATHAN & SON, INC., Lawrence, Mass.
Filed October 9, 1945. Serial No. 489,672. PUBLISHED JUNE 25, 1946. Class 35.

423,944. CONFECTIONERY—NAMELY, CHOCOLATE AND OTHER CANDIES. ODEON THEATRES LIMITED, London, England.
Filed October 19, 1945. Serial No. 490,206. PUBLISHED JULY 2, 1946. Class 46.

423,945. HUMOROUS CARTOON MAGAZINE PUBLISHED PERIODICALLY. NUTTY COMICS, INC., New York, N. Y.
Filed October 27, 1945. Serial No. 490,603. PUBLISHED JUNE 25, 1946. Class 38.

423,946. NOTEBOOKS, PADS, DIARIES, DESK CALENDARS, DESK PADS, AND PAD HOLDERS. POLYCRAFT, INC., New York, N. Y.
Filed October 31, 1945. Serial No. 490,852. PUBLISHED JULY 2, 1946. Class 37.

423,947. SURFACE POLISHING WAX FOR SURFACE TREATING BATTLESHIP LINOLEUM, INLAID LINOLEUM, TILE, ETC. FRANK B. NOBREGA, doing business as Central Chemical Company, Kansas City, Mo.
Filed November 3, 1945. Serial No. 491,023. PUBLISHED JUNE 18, 1946. Class 16.

423,948. FLOOR SWEEPING COMPOUNDS. KENNETH P. MARIEN, doing business as Cleno Products Manufacturing Company, St. Louis, Mo.
Filed November 5, 1945. Serial No. 491,105. PUBLISHED JUNE 11, 1946. Class 4.

423,949. CANDY. WALTER BAKER & COMPANY, INC., Dorchester, Mass.
Filed November 8, 1945. Serial No. 491,226. PUBLISHED JULY 2, 1946. Class 46.

423,950. AUTOMOBILE POLISHING WAX, PAINT REMOVER PREPARATION, SELF-POLISHING FLOOR WAX, FURNITURE POLISH, AND AUTOMOBILE POLISH. DURITE CORPORATION, Detroit, Mich.
Filed November 8, 1945. Serial No. 491,249. PUBLISHED JUNE 4, 1946. Class 16.

423,951. PACKAGED PREPARED DESSERTS—NAMELY, ICE CREAM MIXES. HENRY H. REICHMAN, doing business as Oz Laboratories, New York, N. Y.
Filed November 8, 1945. Serial No. 491,286. PUBLISHED JULY 2, 1946. Class 46.

423,952. WATER SOLUBLE PASTE FOR GENERAL PURPOSE CLEANING. WILLIAM G. HARRISON, doing business as Fluff Sheen Cleaners, Chicago, Ill.
Filed November 10, 1945. Serial No. 491,409. PUBLISHED JUNE 11, 1946. Class 4.

423,953. ASPHALT USED FOR ROOFING, WATER PROOFING, DAMP-PROOFING, PROTECTIVE COATINGS FOR PIPES, AND SIMILAR USES. BELL OIL AND REFINING CO., Los Angeles, Calif.
Filed November 13, 1945. Serial No. 491,453. PUBLISHED JULY 2, 1946. Class 12.

423,954. PUBLICATIONS RELATING TO THE POLARIZATION OF LIGHT AND INSTRUCTION MANUALS RELATING TO THE VARIOUS FIELDS OF APPLICATION THEREOF, ETC. POLAROID CORPORATION, Cambridge, Mass.
Filed November 13, 1945. Serial No. 491,505. PUBLISHED JUNE 25, 1946. Class 38.

423,955. LIQUEUR. SOUTHERN COMFORT CORPORATION, St. Louis, Mo.
Filed November 19, 1945. Serial No. 491,891. PUBLISHED JULY 2, 1946. Class 49.

423,956. NON-INFLAMMABLE LIQUID PAINT CLEANER. SOIL-OFF MANUFACTURING CO., Glendale, Calif.
Filed November 21, 1945. Serial No. 492,004. PUBLISHED JUNE 11, 1946. Class 4.

423,957. WROUGHT BRONZE SHAPES; FORGINGS; INGOTS; CASTINGS; ROLLED AND EXTRUDED BAR STOCK; AND UNFINISHED MACHINE PARTS, ETC. AMPCO METAL, INC., Milwaukee, Wis.
Filed November 23, 1945. Serial No. 492,019. PUBLISHED JUNE 11, 1946. Class 14.

423,958. PERIODICAL PUBLICATION RELATING TO THE MISSIONARY ACTIVITIES OF THE APPLICANT. CATHOLIC FOREIGN MISSION SOCIETY OF AMERICA, INC., Ossining, N. Y.
Filed November 23, 1945. Serial No. 492,031. PUBLISHED JULY 2, 1946. Class 38.

423,959. MATCHES. MUKAMAL COMPANY, New York, N. Y.
Filed November 23, 1945. Serial No. 492,077. PUBLISHED JUNE 11, 1946. Class 9.

423,960. PYROPHORIC CIGARETTE LIGHTERS. PARK SHERMAN CO., INC., Chicago, Ill.
Filed November 23, 1945. Serial No. 492,082. PUBLISHED JULY 2, 1946. Class 34.

423,961. AUTOMOBILES, BUSES, MOTOR VANS, AND PARTS THEREOF. JAGUAR CARS LIMITED, Warwickshire, England.
Filed November 26 1945. Serial No. 492,201. PUBLISHED JULY 2, 1946. Class 19.

423,962. LINOLEUM. SPIEGEL, INC., Chicago, Ill.
Filed November 27, 1945. Serial No. 492,288. PUBLISHED JULY 2, 1946. Class 20.

423,963. ALUMINUM ALLOYS AND CASTINGS MADE THEREFROM. FRONTIER BRONZE CORPORATION, Niagara Falls, N. Y.
Filed November 28, 1945. Serial No. 492,319. PUBLISHED JUNE 18, 1946. Class 14.

423,964. STEEL AND STEEL ALLOY METAL RODS, SHEETS, AND BARS. MERRILL & USHER COMPANY, Worcester, Mass.
Filed November 29, 1945. Serial No. 492,388. PUBLISHED JUNE 18, 1946. Class 14.

423,965. WICKS FOR OIL COOKING AND HEATING STOVES. TALLMAN-MCCLUSKEY FABRICS CO., St. Louis, Mo.
Filed November 29, 1945. Serial No. 492,404. PUBLISHED JULY 2, 1946. Class 34.

423,966. SMALL BOATS—NAMELY, DINGHIES. HUGHES TOOL COMPANY, doing business as Hughes Aircraft Company, Culver City, Calif.
Filed November 30, 1945. Serial No. 492,441. PUBLISHED JULY 2, 1946. Class 19.

423,967. NON-ALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK. PERRY BOTTLING COMPANY, Perry, Iowa.
Filed December 3, 1945. Serial No. 492,579. PUBLISHED JULY 2, 1946. Class 45.

423,968. CHARCOAL BROILERS. UNITED ADVERTISING CORPORATION, New Haven, Conn.
Filed December 3, 1945. Serial No. 492,600. PUBLISHED JULY 2, 1946. Class 34.

423,969. IMITATION GRAPE PUNCH CONCENTRATE. EMPIRE PRODUCTS CORPORATION, El Paso, Tex.
Filed December 10, 1945. Serial No. 492,995. PUBLISHED JULY 2, 1946. Class 45.

423,970. PYROPHORIC LIGHTERS. KNOEPFLER BROS., INC., New York, N. Y.
Filed December 11, 1945. Serial No. 493,066. PUBLISHED JULY 2, 1946. Class 34.

423,971. JUNIOR DRESSES. DARTFORD DEB MODES INC., New York, N. Y.
Filed December 12, 1945. Serial No. 493,104. PUBLISHED JUNE 11, 1946. Class 39.

423,972. DRESSES, SMOCKS, AND BRUNCH COATS FOR THE USE OF WOMEN, MISSES, AND GIRLS. GERSON KAUFMANN CO., INC., New York, N. Y.
Filed December 14, 1945. Serial No. 493,268. PUBLISHED JUNE 18, 1946. Class 39.

423,973. CIGARETTES AND CIGARS. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed December 15, 1945. Serial No. 493,327. PUBLISHED JULY 2, 1946. Class 17.

423,974. MEN'S COATS, MILITARY AND INDUSTRIAL UNIFORMS, SPORTS JACKETS, SLACKS, MEN'S OUTER SHIRTS, AND WOMEN'S COATS AND JACKETS. GORDON W. ROSENBERG, doing business as The Gordon Company, Philadelphia, Pa.
Filed December 17, 1945. Serial No. 493,458. PUBLISHED JUNE 11, 1946. Class 39.

423,975. EMULSIFIERS FOR USE IN THE MANUFACTURE OF FROZEN CONFECTIONS. NATIONAL PECTIN PRODUCTS COMPANY, Chicago, Ill.
Filed December 18, 1945. Serial No. 493,504. PUBLISHED JULY 2, 1946. Class 46.

423,976. PAPER TOWELS. WHEELER PAPER CORPORATION, Albany, N. Y.
Filed December 18, 1945. Serial No. 493,523. PUBLISHED JULY 2, 1946. Class 37.

423,977. PIPES, CIGAR AND CIGARETTE HOLDERS, AND TOBACCO POUCHES. HAROLD ASSOCIATES, INC., New York, N. Y.
Filed December 19, 1945. Serial No. 493,555. PUBLISHED JULY 2, 1946. Class 8.

423,978. PIPES, CIGAR AND CIGARETTE HOLDERS, AND TOBACCO POUCHES. HAROLD ASSOCIATES, INC., New York, N. Y.
Filed December 19, 1945. Serial No. 493,556. PUBLISHED JULY 2, 1946. Class 8.

423,979. LADIES', MISSES', AND CHILDREN'S DRESSES, BLOUSES, COATS, SUITS, HALTERS, BEACH COATS, PINAFORES, ETC. M. HAUSMAN & SONS, New York, N. Y.
Filed December 21, 1945. Serial No. 493,681. PUBLISHED JUNE 11, 1946. Class 39.

423,980. FERRO-ALLOY. HAYNES STELLITE COMPANY, New York, N. Y.
Filed December 21, 1945. Serial No. 493,683. PUBLISHED JUNE 11, 1946. Class 14.

423,981. NICKEL-COPPER ALLOY FOR SETTING INDUSTRIAL DIAMONDS. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed December 21, 1945. Serial No. 493,685. PUBLISHED JUNE 4, 1946. Class 14.

423,982. GARMENT WASHING MACHINES OF THE PORTABLE TYPE, WRINGER TYPE, SPINNER TYPE AND AUTOMATIC TYPE; LAUNDRY DRYING MACHINES, AND LAUNDRY IRONING MACHINES. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and also Quackenbush Company, Paterson, N. J.
Filed December 22, 1945. Serial No. 493,711. PUBLISHED JULY 2, 1946. Class 24.

423,983. GARMENT WASHING MACHINES OF THE PORTABLE TYPE, WRINGER TYPE, SPINNER TYPE AND AUTOMATIC TYPE; LAUNDRY DRYING MACHINES, AND LAUNDRY IRONING MACHINES. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and also Quackenbush Company, Paterson, N. J.
Filed December 22, 1945. Serial No. 493,713. PUBLISHED JULY 2, 1946. Class 24.

423,984. CANNED FISH, FISH MEAL FOR LIVESTOCK FEED AND POULTRY FEED, SALAD DRESSING, PICKLES, ETC. ELWYN C. HALE FISHERIES AND ESTATE OF C. P. HALE, San Francisco, Calif.
Filed December 26, 1945. Serial No. 493,887. PUBLISHED JULY 2, 1946. Class 46.

423,985. OVERALLS AND WORK CLOTHES. HAROLD MANN, doing business as Mann Overall Company, El Paso, Tex.
Filed December 26, 1945. Serial No. 493,889. PUBLISHED JUNE 11, 1946. Class 39.

423,986. STORM SASH FOR CASEMENT WINDOWS. MILTON R. THEILMAN, Cincinnati Ohio.
Filed December 27, 1945. Serial No. 493,936. PUBLISHED JULY 2, 1946. Class 12.

423,987. LADIES' AND MISSES' COATS, SUITS, JACKETS, TOPPERS, AND COAT AND SUIT ENSEMBLES. PHILIP ALBNIKOFF, New York, N. Y.
Filed December 28, 1945. Serial No. 493,940. PUBLISHED JUNE 11, 1946. Class 39.

423,988. CIGARETTES. INTERNATIONAL CIGARETTE CO., Long Island City, N. Y.
Filed December 28, 1945. Serial No. 493,967. PUBLISHED JUNE 25, 1946. Class 17.

423,989. HOSIERY. MAYWOOD HOSIERY MILLS, INC., Cordele, Ga.
Filed December 28, 1945. Serial No. 493,973. PUBLISHED JUNE 18, 1946. Class 39.

423,990. CHOCOLATE PRODUCTS—NAMELY, SWEET CHOCOLATE BARS SOLD AS A CONFECTION. WALTER BAKER & COMPANY, INC., Dorchester, Mass.
Filed December 29, 1945. Serial No. 494,005. PUBLISHED JUNE 25, 1946. Class 46.

423,991. SYNTHETIC RESIN MATERIAL IN MOLDED OR SHEET FORM AND, IN SOME CASES REINFORCED WITH FABRIC, ETC. THE B. F. GOODRICH COMPANY, doing business as Hood Rubber Company, New York, N. Y., and Watertown, Mass.
Filed December 29, 1945. Serial No. 494,060. PUBLISHED JULY 2, 1946. Class 12.

423,992. DENTAL IMPRESSION MATERIALS. H. D. JUSTI & SON, INC., Philadelphia, Pa.
Filed December 29, 1945. Serial No. 494,076. PUBLISHED JUNE 25, 1946. Class 44.

423,993. HEARING AIDS. THE MAICO COMPANY, INCORPORATED, Minneapolis, Minn.
Filed December 29, 1945. Serial No. 494,095. PUBLISHED JUNE 25, 1946. Class 44.

423,994. HEARING AIDS. THE MAICO COMPANY, INCORPORATED, Minneapolis, Minn.
Filed December 29, 1945. Serial No. 494,096. PUBLISHED JUNE 25, 1946. Class 44.

423,995. SUDSING CLEANER, CLEANSER, AND DETERGENT. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed December 29, 1945. Serial No. 494,116. PUBLISHED JUNE 11, 1946. Class 4.

423,996. SUDSING CLEANER, CLEANSER, AND DETERGENT. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed December 29, 1945. Serial No. 494,118. PUBLISHED JUNE 11, 1946. Class 4.

423,997. SUDSING CLEANER, CLEANSER, AND DETERGENT. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed December 29, 1945. Serial No. 494,120. PUBLISHED JUNE 11, 1946. Class 4.

423,998. FILTERING APPARATUS ESPECIALLY INTENDED FOR THE RECLAIMING OF OIL AND PARTS FOR SUCH APPARATUS; AND COTTON, WOOD FIBRE, FULLER'S EARTH PROCESSED FOR USE AS FILTERING MEDIA. THE HILLIARD CORPORATION, Elmira, N. Y.
Filed January 3, 1946. Serial No. 494,218. PUBLISHED JULY 2, 1946. Class 31.

423,999. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. CHINA OVERSEAS, New York, N. Y.
Filed January 4, 1946. Serial No. 494,259. PUBLISHED JULY 2, 1946. Class 28.

424,000. PAINT BRUSHES. STAR BRUSH MANUFACTURING CO., INC., Boston, Mass.
Filed January 7, 1946. Serial No. 494,412. PUBLISHED JULY 2, 1946. Class 29.

424,001. LADIES' AND MISSES' DRESSES, AND SPORTSWEAR—NAMELY, SLACKS, BLOUSES, AND JACKETS. FUTURE FASHIONS, INC., New York, N. Y.
Filed January 8, 1946. Serial No. 494,438. PUBLISHED JUNE 11, 1946. Class 39.

424,002. CHILD'S TRICYCLE. WILLIAM B. FAGEOL, Kent, Ohio.
Filed January 10, 1946. Serial No. 494,546. PUBLISHED JULY 2, 1946. Class 19.

424,003. MEN'S SUITS, TOPCOATS, OVERCOATS, SPORTCOATS, AND SPORT JACKETS. KING BROOKS, INC., Detroit, Mich.
Filed January 11, 1946. Serial No. 494,613. PUBLISHED JUNE 11, 1946. Class 39.

424,004. COLUMN WRITTEN FOR AND APPEARING IN PERIODICALS. LAMIZA B. LAMBERT, St. Louis, Mo.
Filed January 11, 1946. Serial No. 494,615. PUBLISHED JUNE 25, 1946. Class 38.

424,005. ROSARIES. WILLIAM J. GILOOLY, doing business as American & Foreign Rosary Company, Central Falls, R. I.
Filed January 12, 1946. Serial No. 494,672. PUBLISHED JULY 2, 1946. Class 28.

424,006. WEARING APPAREL AND ACCESSORY RACKS. HOLLANDER-CRAFT, Neptune, N. J.
Filed January 12, 1946. Serial No. 494,679. PUBLISHED JULY 2, 1946. Class 32.

424,007. CANDY. CARL A. FUTTER, doing business as The Carlay Company, Chicago, Ill.
Filed February 16, 1946. Serial No. 496,694. PUBLISHED JUNE 25, 1946. Class 46.

424,008. COFFEE EXTRACTS. NEW ENGLAND EXTRACT COMPANY, Boston, Mass.
Filed January 16, 1946. Serial No. 494,858. PUBLISHED JULY 2, 1946. Class 46.

424,009. MEN'S UNDERSHIRTS, UNDERDRAWERS, AND UNION SUITS. ALVIN NATELSON, Amityville, Long Island, N. Y.
Filed January 17, 1946. Serial No. 494,917. PUBLISHED JUNE 11, 1946. Class 39.

424,010. SURGICAL DRESSINGS. AFFILIATED RETAILERS, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 494,996. PUBLISHED JUNE 25, 1946. Class 44.

424,011. SANITARY NAPKINS. AFFILIATED RETAILERS, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,001. PUBLISHED JUNE 25, 1946. Class 44.

424,012. DOLLS. ELAINE CANNON, Batavia, Ill.
Filed January 23, 1946. Serial No. 495,214. PUBLISHED JULY 2, 1946. Class 22.

424,013. INFANTS', BOYS', GIRLS', MEN'S, AND WOMEN'S JACKETS, SWEATERS, COATS, MACKINAWS, AND SNOW SUITS. NATHAN ALBERT & SONS, New York, N. Y.
Filed January 24, 1946. Serial No. 495,264. PUBLISHED JUNE 11, 1946. Class 39.

424,014. CONCRETE BLOCKS MADE OF PUMICE. BASALT ROCK COMPANY, INC., Napa, Calif.
Filed January 25, 1946. Serial No. 495,355. PUBLISHED JULY 2, 1946. Class 12.

424,015. FISH LURES. ROBERT W. BERRY, doing business as Berry-Iebeck Mfg. Co., California, Mo.
Filed January 25, 1946. Serial No. 495,360. PUBLISHED JULY 2, 1946. Class 22.

424,016. FISH LURES. ROBERT W. BERRY, doing business as Berry-Lebeck Mfg. Co., California, Mo.
Filed January 25, 1946. Serial No. 495,361. PUBLISHED JULY 2, 1946. Class 22.

424,017. BLACK CURRANT SYRUP FOR MAKING BEVERAGES IN THE NATURE OF SOFT DRINKS. H. W. CARTER & CO., LIMITED, Bristol, England.
Filed January 26, 1946. Serial No. 495,449. PUBLISHED JULY 2, 1946. Class 45.

424,018. ARTICLES OF JEWELRY MADE OF FANCY SHELLWORK—NAMELY, BREAST-PINS, BROOCHES, EAR-RINGS, MEDALLIONS, AND THE LIKE. JULIA SCHWARTING, Hollywood, Fla.
Filed January 26, 1946. Serial No. 495,510. PUBLISHED JULY 2, 1946. Class 28.

424,019. WOMEN'S AND MISSES' OUTER SKIRTS, JACKETS, SUITS, SLACKS, SHORTS, DRESSES, BLOUSES, AND RAINCOATS. SPORTGEMS, INC., New York, N. Y.
Filed January 26, 1946. Serial No. 495,520. PUBLISHED JUNE 11, 1946. Class 39.

424,020. FLEXIBLE GASKETS, COMPOSED OF RUBBER, SYNTHETIC RUBBER AND PLASTICS AND COMBINATIONS THEREOF. PIPE COUPLINGS, INC., New York, N. Y.
Filed January 29, 1946. Serial No. 495,624. PUBLISHED JULY 2, 1946. Class 35.

424,021. MATERIAL USED AS CUSHIONING SUPPORTS AND FILLERS IN UPHOLSTERED FURNITURE. THE SPONGE RUBBER PRODUCTS COMPANY, Shelton, Conn.
Filed January 31, 1946. Serial No. 495,767. PUBLISHED JULY 2, 1946. Class 32.

424,022. HOSIERY. DAVID MICHAEL, doing business as The David Michael Company, Chicago, Ill.
Filed January 30, 1946. Serial No. 495,679. PUBLISHED JUNE 18, 1946. Class 39.

424,023. TOY WAGONS, TOY SLEDS, AND TOY WAGONS ADAPTED TO BE CONVERTED INTO TOY SLEDS. WOLVERINE MANUFACTURING COMPANY, Berrien Springs, Mich.
Filed February 2, 1946. Serial No. 495,926. PUBLISHED JULY 2, 1946. Class 22.

424,024. SILVERWARE IN THE NATURE OF FLATWARE FOR TABLE USE. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn.
Filed February 4, 1946. Serial No. 495,961. PUBLISHED JULY 2, 1946. Class 28.

424,025. TOY DOLLS. JOS. L. KALLUS, doing business as Cameo Doll Products Co., Port Allegany, Pa.
Filed February 6, 1946. Serial No. 496,084. PUBLISHED JULY 2, 1946. Class 22.

424,026. PRESSURE ADHESIVE TAPE DISPENSERS. FREYDBERG BROS.-STRAUSS, INC., New York, N. Y.
Filed February 8, 1946. Serial No. 496,230. PUBLISHED JULY 2, 1946. Class 2.

424,027. PRESSURE ADHESIVE TAPE DISPENSERS. FREYDBERG BROS.-STRAUSS, INC., New York, N. Y.
Filed February 8, 1946. Serial No. 496,231. PUBLISHED JULY 2, 1946. Class 2.

424,028. HEARING AIDS. THE MAICO COMPANY, INCORPORATED, Minneapolis, Minn.
Filed February 8, 1946. Serial No. 496,251. PUBLISHED JUNE 25, 1946. Class 44.

424,029. PLYWOOD. COMMONWEALTH PLYWOOD COMPANY LIMITED, Ste. Therese, Quebec, Canada.
Filed February 12, 1946. Serial No. 496,430. PUBLISHED JULY 2, 1946. Class 12.

424,030. LOCKS. THE C. L. GOUGLER KEYLESS LOCK COMPANY, Kent, Ohio, assignor to The C. L. Gougler Machine Company, Kent, Ohio, a corporation of Ohio.
Filed February 13, 1946. Serial No. 496,505. PUBLISHED JULY 2, 1946. Class 25.

424,031. CORNER TRELLISES, LAWN TRELLISES, ARBORS, ARBOR GATES, AND WOOD FENCING. HABITANT SHOPS, INC., Bay City, Mich.
Filed February 13, 1946. Serial No. 496,506. PUBLISHED JULY 2, 1946. Class 12.

424,032. FOOD PRODUCTS—NAMELY, CANNED STEW COMPRISING CORN, ONIONS, CHICKEN, BEEF, SALT, PEPPER, AND TOMATOES. REYNOLDS BROTHERS, Niagara Falls, N. Y., and Senoia, Ga.
Filed February 13, 1946. Serial No. 496,519. PUBLISHED JULY 2, 1946. Class 46.

424,033. FRESH DECIDUOUS FRUITS—NAMELY, PEARS. SIMONS & FRENCH COMPANY, INCORPORATED, Sacramento, Calif., and New York, N. Y.
Filed February 20, 1946. Serial No. 496,991. PUBLISHED JULY 2, 1946. Class 46.

424,034. FLOOR TILES. DAVID E. KENNEDY, INC., Brooklyn, N. Y.
Filed February 26, 1946. Serial No. 497,250. PUBLISHED JULY 2, 1946. Class 12.

424,035. SUGAR. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed February 28, 1946. Serial No. 497,372. PUBLISHED JULY 2, 1946. Class 46.

424,036. BILLFOLDS. NASH INCORPORATED, Jersey City, N. J.
Filed March 2, 1946. Serial No. 497,556. PUBLISHED JUNE 25, 1946. Class 3.

424,037. CANNED MUSHROOMS. WEST MUSHROOM COMPANY, also doing business as West Foods, Salem, Oreg.
Filed March 4, 1946. Serial No. 497,639. PUBLISHED JULY 2, 1946. Class 46.

424,038. PYROPHORIC CIGARETTE LIGHTERS. CLEM BUENGER, doing business as Highland Manufacturing Company, Cold Springs, Ky.
Filed March 11, 1946. Serial No. 497,991. PUBLISHED JULY 2, 1946. Class 34.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

424,039. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) THE WARREN FEATHERBONE CO., Three Oaks, Mich.
Filed Oct. 29, 1942. Serial No. 456,522.

Warren's

FOR RAYON AND SILK RIBBONS, METALLIC RIBBON, AND WIDE ELASTIC, SOLD BY THE YARD OR REEL.
Claims use since Jan. 1, 1930.

424,040. (CLASS 12. CONSTRUCTION MATERIALS.) THE JOHNSON-MARCH CORPORATION, New York, N. Y.
Filed May 11, 1943. Serial No. 460,549.

SEAL PROCESS

FOR MATERIAL FOR THE CURING OF CONCRETE.
Claims use since Apr. 30, 1943.

424,041. (CLASS 33. GLASSWARE.) LIBBEY-OWENS-FORD GLASS COMPANY, Toledo, Ohio. Filed June 2, 1943. Serial No. 461,097.

TUF-LITE

FOR SHEET GLASS; NAMELY—FLAT AND CURVED WINDOW GLASS, PLATE GLASS, LAMINATED GLASS, SPECIAL HEAT-TREATED GLASS, GROUND GLASS, WIRE GLASS, AND RIBBED GLASS.
Claims use since May 12, 1943.

424,042. (CLASS 12. CONSTRUCTION MATERIALS. CERTAIN-TEED PRODUCTS CORPORATION, Chicago, Ill. Filed Feb. 7, 1944. Serial No. 467,231.

FRENCH LOCK

FOR SHINGLE OF ASPHALT ROOFING MATERIAL.
Claims use since July 17, 1935.

424,043. (CLASS 37. PAPER AND STATIONERY.) THE PUBLIC NATIONAL BANK AND TRUST COMPANY OF NEW YORK, New York, N. Y. Filed Feb. 29, 1944. Serial No. 467,855.

Unit-Form

FOR CHECK BOOKS.
Claims use since Oct. 18, 1943.

424,044. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NOX-RUST CORPORATION, Chicago, Ill. Filed May 5, 1944. Serial No. 469,962.

PeelFilm

FOR PLASTIC COATING MATERIAL, APPLIED HOT AS A MELTED LIQUID TO FORM A NONTACKY MOISTURE AND VAPOR-PROOF SHELL.
Claims use since Apr. 24, 1944.

424,045. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHN E. FAST & CO., Chicago, Ill. Filed July 24, 1944. Serial No. 472,563.



FOR ELECTRIC CONDENSERS, TRANSFORMER COILS AND RESISTANCES.
Claims use since 1919 on condensers, and 1920 on transformer coils and resistances.

424,046. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. L. PEACOCK, Fort Pierce, Fla. Filed Aug. 9, 1944. Serial No. 473,110.



FOR FRESH CITRUS FRUITS.
Claims use since Apr. 10, 1944.

424,047. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SIMONDS WORDEN WHITE CO., Dayton, Ohio. Filed Oct. 2, 1944. Serial No. 474,833.



Precision

FOR KNIVES FOR USE IN PAPER-CUTTING MACHINES.
Claims use since Aug. 6, 1944.

424,048. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM S. LA RUE, Omaha, Nebr. Filed Nov. 3, 1944. Serial No. 476,066.



FOR CLEANSING LOTION FOR THE RELIEF OF DANDRUFF AND ITCHY SCALP.
Claims use since Sept. 10, 1937.

424,049. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) D. E. MAKEPEACE COMPANY, Attleboro, Mass. Filed Nov. 21, 1944. Serial No. 476,742.

Makepeace

FOR SHEETS, WIRE, TUBING, AND SOLDERS, ALL OF PRECIOUS METALS AND THEIR ALLOYS.
Claims use since Jan. 6, 1926.

424,050. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SIMPLEX PRODUCTS CORPORATION, Cleveland, Ohio. Filed Nov. 30, 1944. Serial No. 477,080.

WEAR CHEK

FOR METALLIC PISTON RINGS AND EXPANDERS THEREFOR.
Claims use since Sept. 15, 1944.

424,051. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS). THE OHIO ART CO., Bryan, Ohio. Filed Dec. 16, 1944. Serial No. 477,663.



FOR TOY CHILDREN'S LUNCH BOXES, TOY DISHES, TOY TRAYS, TOY DRUMS, TOY TOPS, TOY HUMMING TOPS, TOY MUSICAL TOPS, TOY MUSIC BOXES, TOY BANKS, CARD SET GAME DEVICES, TOY SPRINKLING CANS, TOY OIL CANS, TOY SHOVELS, TOY PUMPS, TOY SIEVES, TOY PAILS, AND TOY ANIMAL EFFIGIES IN PLASTIC AND METAL, AND DECORATED BOXES USED AS TOYS.
Claims use since 1911.

424,052. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind. Filed Jan. 6, 1945. Serial No. 478,363.



TOPSPAR

GLOSS VARNISH

FOR GLOSS VARNISH.
Claims use since Feb. 3, 1936.

424,053. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WOOLCOTT MILLING COMPANY, Harrisburg, Ill. Filed Jan. 8, 1945. Serial No. 478,417.



FOR SELF-RISING FLOUR AND WHEAT FLOUR.
Claims use since December 1934.

424,054. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GATES RUBBER COMPANY, Denver, Colo. Filed Jan. 22, 1945. Serial No. 478,868.



FOR PNEUMATIC AUTOMOBILE AND TRUCK TIRES, INNER TUBES FOR PNEUMATIC TIRES, POWER TRANSMISSION BELTS AND RUBBER HOSE.
Claims use since Oct. 28, 1944.

424,055. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Filed Jan. 30, 1945. Serial No. 479,203.

Majestic

FOR SHEETS, SHEETING AND PILLOWCASES.
Claims use since Jan. 9, 1945.

424,056. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VITA-VAR CORPORATION, Newark, N. J. Filed Jan. 31, 1945. Serial No. 479,262.

SEALPLY

FOR VARNISH TYPE COATING FOR SEALING AND WATERPROOFING PLYWOOD, PAPER AND COMPOSITION MATERIALS.
Claims use since Dec. 19, 1944.

424,057. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MICHAEL A. SCHULTZ, Kirksville, Mo. Filed Feb. 9, 1945. Serial No. 479,649.

FOR PILES USE SchulTZ PILE OINTMENT

FOR PILE OINTMENT.
Claims use since Dec. 27, 1944.

424,058. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REFINED SYRUPS & SUGARS, INC., Yonkers, N. Y. Filed Feb. 14, 1945. Serial No. 479,810.

FLO-SWEET

FOR CANE SYRUP FOR THE TABLE AND COOKING PURPOSES.
Claims use since Dec. 6, 1944

424,059. (CLASS 2. RECEPTACLES.) CONTINENTAL CAN COMPANY, INC., New York, N. Y. Filed Feb. 15, 1945. Serial No. 479,836.

KLEEN EDGE

FOR CARDBOARD, PAPER, AND PASTEBOARD CARTONS AND PARTS THEREOF—NAMELY, BOTTOMS, SIDES, TOPS, AND COVERS.
Claims use since Jan. 22, 1945.

424,060. (CLASS 39. CLOTHING.) BAAR & BEARDS, INC., New York, N. Y. Filed Apr. 4, 1945. Serial No. 481,689.

MIX-MATCHER

FOR DICKEYS AND VESTEES.
Claims use since July 1944.

424,061. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) NEW YORK MERCHANDISE CO., INC., New York, N. Y. Filed Apr. 11, 1945. Serial No. 482,007.

"Husky"

FOR COMBS.
Claims use since 1940.

424,062. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) IDEAL COMMUTATOR DRESSER COMPANY, Sycamore, Ill. Filed Apr. 25, 1945. Serial No. 482,579.

Wire Nuts

FOR INSULATED, INTERNALLY THREADED CONNECTION MEMBERS FOR JOINING AND ENCLOSING THE ENDS OF ELECTRIC WIRES AND CONDUCTORS.
Claims use since Feb. 1, 1939.

424,063. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MYRURGIA, S. A., Barcelona, Spain. Filed May 1, 1945. Serial No. 482,848.



The drawing is lined for shading only.
FOR TOILET SOAPS.
Claims use since October 1936.

424,064. (CLASS 2. RECEPTACLES.) RODNEY HUNT MACHINE COMPANY, Orange, Mass. Filed May 7, 1945. Serial No. 483,087.

CURVE-OF-STRENGTH

FOR VATS.
Claims use since Jan. 15, 1942.

424,065. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL SUPPLIES.) IRVING F. STERNMAN, New York, N. Y. Filed May 18, 1945. Serial No. 483,557.

Arlene HAYDON

FOR COSMETICS—NAMELY, ROUGE, LIPSTICKS, FACE CREAMS, FACE POWDER, EYEBROW AND EYELASH MAKE-UP, AND PERFUMES, LOTIONS, ASTRINGENTS, TOILET WATERS, AND BATH SALTS.
Claims use since Feb. 8, 1945.

424,066. (CLASS 37. PAPER AND STATIONERY.) STERLING E. NORCROSS, Bloomfield, N. J. Filed May 26, 1945. Serial No. 483,830.

C-MAIL
SEE it... MAIL order it!
TRADE MARK REGISTERED

FOR BLANK ORDER FORMS.
Claims use since Oct. 28, 1944.

424,067. (CLASS 39. CLOTHING.) J. EDWARDS & CO., Philadelphia, Pa. Filed June 6, 1945. Serial No. 484,199.

BEST OF ALL
Edwards
SURE TO FIT

FOR LEATHER SHOES.
Claims use since May 22, 1945.

424,068. (CLASS 42. KNITTED NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) TERHUNE, YERBANCE & WOLFF, INC., New York, N. Y. Filed June 9, 1945. Serial No. 484,375.

VAREL'

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since May 31, 1945.

424,069. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUE MOON FOODS, INC., Thorp, Wis. Filed June 18, 1945. Serial No. 484,661.

Cheswick

FOR CHEESE SPREAD.
Claims use since Oct. 1, 1937.

424,070. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine. Filed June 21, 1945. Serial No. 484,816.



A description of the color lining on the drawing is as follows: black for the representation of the stem, green for the representation of the leaves and red for the representation of the apple.
FOR SYNTHETIC PLANT HORMONES FOR SPRAYING FRUIT TREES.
Claims use since May 28, 1945.

424,071. (CLASS 39. CLOTHING.) J. EDWARDS & Co., Philadelphia, Pa. Filed June 22, 1945. Serial No. 484,889.



FOR LEATHER SHOES.
Claims use since May 4, 1945.

424,072. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HARRY H. ROHLOFF, Los Angeles, Calif. Filed June 26, 1945. Serial No. 485,059.

Grand Canyon

FOR CHEMICAL STAINS FOR COLORING CONCRETE, BRICK, TILE AND LIKE SURFACES.
Claims use since June 20, 1945.

424,073. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) COLUMBIA PROTEKTOSITE CO., INC., Carlstadt, N. J. Filed June 28, 1945. Serial No. 485,128.

Columbia

FOR HAIR COMBS.
Claims use since June 18, 1945.

424,074. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) F. F. GILMORE & CO., INC., Boston, Mass. Filed July 3, 1945. Serial No. 485,408.

"ROCKTEST"

FOR TOOLS—NAMELY, DIAMOND CONE PENETRATORS FOR HARDNESS TESTING INSTRUMENTS.
Claims use since June 22, 1945.

424,075. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARES.) HALGREEN, INC., New York, N. Y. Filed July 7, 1945. Serial No. 485,530.

HALGREEN

FOR CUSTOM MADE JEWELRY, BROOCHES, AND FANCY LIGHTERS MADE OF PRECIOUS AND SEMI-PRECIOUS METAL.
Claims use since May 31, 1945.

424,076. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMMERCIAL COMPINEX COMPANY, New York, N. Y. Filed July 10, 1945. Serial No. 485,628.



The picture depicts the fictional character "Gulliver" of the famous book "Gulliver's Travels."
FOR CANNED FISH—NAMELY, SARDINES.
Claims use since Mar. 5, 1945.

424,077. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BONNEVILLE DISTILLERIES INC., Idaho Falls, Idaho. Filed July 12, 1945. Serial No. 485,716.

IDAHO

BONNEVILLE DISTILLERIES, INC.

FOR GIN.
Claims use since May 31, 1945.

424,078. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MORRISON-ATLAS PRODUCTS, Franklin Park, Ill. Filed July 14, 1945. Serial No. 485,827.

No-Streak

FOR APPLICATOR FOR APPLYING SHOE POLISH, LEG MAKE-UP, SADDLE SOAP, AND THE LIKE.
Claims use since July 3, 1945.

424,079. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORTHAM WARREN CORPORATION, Stamford, Conn. Filed July 17, 1945. Serial No. 485,919.

Petrol Quina

FOR PREPARATION FOR DRESSING AND IMPROVING THE APPEARANCE OF THE HAIR.
Claims use since June 26, 1945.

424,080. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) F. JADEN MANUFACTURING CO. INC., Hastings, Nebr. Filed July 20, 1945. Serial No. 486,038.

Jaden

FOR AIR CONDITIONERS, AIR CONDITIONING EQUIPMENT AND PARTS THEREOF; CENTRIFUGAL UNIT HEATERS; BLOWERS USED IN CONNECTION WITH WARM AIR FURNACES.
Claims use since Jan. 1, 1945.

424,081. (CLASS 11. INKS AND INKING MATERIALS.) THE PERMETCH COMPANY, Wichita, Kans. Filed July 20, 1945. Serial No. 486,061.

STAMPETCH

FOR METAL ETCHING INKS.
Claims use since Aug. 25, 1944.

424,082. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCHNEFEL BROS. CORPORATION, Newark, N. J. Filed July 20, 1945. Serial No. 486,067.

INSTANT-DRI

FOR NAIL POLISH.
Claims use since Feb. 8, 1945.

424,083. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN PATTEN PHARMACEUTICAL CO., Chicago, Ill. Filed July 23, 1945. Serial No. 486,180.



FOR SODIUM ASCORBATE.
Claims use since June 21, 1945.

424,084. (CLASS 38. PRINTS AND PUBLICATIONS.) TELEGRAPHIC CABLE AND RADIO REGISTRATIONS, INC., New York, N. Y. Filed July 24, 1945. Serial No. 486,231.

MARCONI'S
INTERNATIONAL REGISTER

FOR A TRADE DIRECTORY WHICH IS PUBLISHED ANNUALLY.
Claims use since March 1945.

424,085. (CLASS 37. PAPER AND STATIONERY.) A. KOLBER, INC., New York, N. Y. Filed July 28, 1945. Serial No. 486,415.

KOLBER

FOR PENS, FOUNTAIN PENS AND PARTS THEREOF, MECHANICAL PENCILS AND PARTS THEREOF, AND PEN AND PENCIL DESK SETS.
Claims use since June 5, 1945.

424,086. (CLASS 32. FURNITURE AND UPHOLSTERY.) LEONARD M. SCHUR, INC., New York, N. Y. Filed Aug. 11, 1945. Serial No. 487,055.

SNAP-A-PART

FOR BED RESTS.
Claims use since July 15, 1945.

424,087. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) NEW YORK MERCHANDISE CO., INC., New York, N. Y. Filed Aug. 22, 1945. Serial No. 487,429.

Pasteur-dent

FOR TOOTHBRUSHES.
Claims use since Jan. 2, 1940.

424,088. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DURALLIUM PRODUCTS CORPORATION, Chicago, Ill. Filed Aug. 25, 1945. Serial No. 487,549.

CERAMICAST

FOR CAST PORCELAIN ARTIFICIAL TEETH AND DENTAL JACKET PORCELAIN.
Claims use since June 27, 1945.

424,089. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MURRAY FRANK & ASSOCIATES, Chicago, Ill. Filed Aug. 29, 1945. Serial No. 487,708.

Lindee

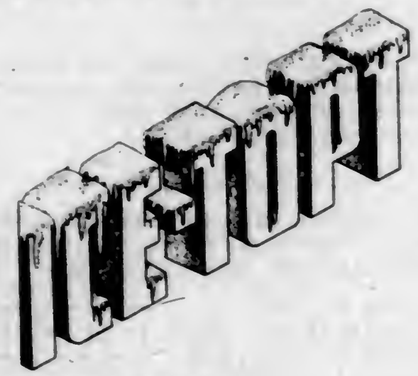
FOR PERMANENT WAVE PADS.
Claims use since Jan. 1, 1944.

424,090. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLEMENT L. HIRSCH, doing business as Meat-Y-Fresh Pet Food Co., Los Angeles, Calif. Filed Sept. 8, 1945. Serial No. 488,156.

Meat-y-Fresh

FOR PET FOOD—NAMELY, DOG FOOD LOAF.
Claims use since Mar. 5, 1942.

424,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL GROWERS & SHIPPERS, Los Angeles, Calif. Filed Sept. 11, 1945. Serial No. 488,278.



FOR FRESH VEGETABLES.
Claims use since Mar. 5, 1945.

424,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMEX TRADING CO., INC., New York, N. Y. Filed Sept. 15, 1945. Serial No. 488,510.

EXCELLENCE

FOR ANCHOVIES IN SALT, AND FILLETS OF ANCHOVIES IN OLIVE OIL.
Claims use since July 2, 1945.

424,093. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) BLUE DIAMOND COAL COMPANY, Knoxville, Tenn. Filed Sept. 18, 1945. Serial No. 488,637.



FOR COAL.
Claims use since 1899 as to "Toms Creek", and since July 1, 1945 on the mark presented.

424,094. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. BARR & COMPANY, Chicago, Ill. Filed Sept. 20, 1945. Serial No. 488,728.

THE Creme-Whipped HAND LOTION

FOR HAND LOTION.
Claims use since June 1, 1945.

424,095. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MIDDLEBROOKE LANCASTER, INC., Brooklyn, N. Y. Filed Sept. 26, 1945. Serial No. 489,002.

Lord Middlebrooke

FOR SHAVING CREAM AND TOILET SOAP.
Claims use since June 14, 1945.

424,096. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) BRANSTON COMPANY, INC., New York, N. Y. Filed Sept. 27, 1945. Serial No. 489,035.

BRANSTON

FOR PYROPHORIC CIGAR, CIGARETTE AND PIPE LIGHTERS.
Claims use since Jan. 4, 1945.

424,097. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) I. J. NETHE & COMPANY, New York, N. Y. Filed Sept. 28, 1945. Serial No. 489,140.

Vanette Creations

I. J. Nethe & Co.

FOR VEILINGS.
Claims use since March 1934.

424,098. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GREAT LAKES CARBON CORPORATION, Chicago, Ill., and Los Angeles, Calif. Filed Oct. 8, 1945. Serial No. 489,579.

De-moist

FOR COMPOSITIONS OF INERT MINERAL ABSORBENTS AND HYGROSCOPIC SALTS, IN POWDERED OR LUMP FORM, FOR DEHUMIDIFYING AIR AND OTHER GASES.
Claims use since Feb. 15, 1944.

424,099. (CLASS 2. RECEPTACLES.) AGATE PLASTICS CORPORATION, Chicago, Ill. Filed Oct. 10, 1945. Serial No. 489,702.

TOT'S TRAINER

FOR INFANTS' TRANSPARENT PLASTIC POTS.
Claims use since Sept. 13, 1944.

424,100. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORDAHL S. SAMDAHL, doing business as Samdahl Drug Company, Black River Falls, Wis. Filed Oct. 19, 1945. Serial No. 490,215.

AN-EZE

FOR OINTMENT USED IN THE TREATMENT OF ECZEMA, A HEALING OINTMENT, AND BRONCHIAL COUGH REMEDY.
Claims use since June 14, 1945.

424,101. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa. Filed Oct. 19, 1945. Serial No. 490,220.

FOSTERITE

FOR RESINOUS COMPOSITIONS FOR INSULATING ELECTRICAL APPARATUS.
Claims use since Aug. 19, 1944.

424,102. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASON BROS. CO., Seattle, Wash. Filed Oct. 26, 1945. Serial No. 490,562.

CLEAR SPRED

FOR WHITE TABLE SYRUP.
Claims use since Mar. 2, 1945.

424,103. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. T. FLEISCHER & CO., Nogales, Ariz. Filed Nov. 19, 1945. Serial No. 491,818.



The picture of the men is fanciful.
FOR FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since May 1945.

424,104. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HENRY MEYERS, doing business as The Henry Company, New York, N. Y. Filed Nov. 23, 1945. Serial No. 492,070.

Frances Furman

FOR HANDBAGS.
Claims use since Aug. 1, 1944.

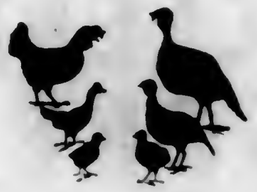
424,105. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WINTHROP MILLS, Winthrop, Maine. Filed Nov. 27, 1945. Serial No. 492,299.

WINTHROP mills
Flannel
AN ALLEN L&O LOFINE FABRIC

FOR WOOLEN FABRICS IN THE PIECE.
Claims use since Oct. 4, 1943.

424,106. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT A. RICHTER, Ephrata, Pa. Filed Nov. 28, 1945. Serial No. 492,339.

Rich-er-tone



FOR MEDICINAL PREPARATION FOR INTERNAL TREATMENT FOR COCCIDIOSIS AND MYCOSIS IN POULTRY.
Claims use since June 1, 1945.

424,107. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HEINZ BEVERAGES, Pittsburgh, Pa. Filed Dec. 6, 1945. Serial No. 492,772.



The portrait shown is fanciful.
FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING SAME.
Claims use since Aug. 12, 1940.

424,108. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. J. STANGE CO., Chicago, Ill. Filed Dec. 8, 1945. Serial No. 492,967.

PEPPERCREAM

FOR DRY SOLUBLE SEASONING MATERIALS (BY WHICH IS MEANT CONDIMENTS CONSISTING OF AROMATIC AND PUNGENT EDIBLE FLAVORING AGENTS DISPERSED OVER AN EDIBLE CARRIER SUCH AS, FOR EXAMPLE SUGAR).
Claims use since Oct. 1, 1934.

424,109. (CLASS 38. PRINTS AND PUBLICATIONS.) CYCLING PRESS, INC., New York, N. Y. Filed Dec. 10, 1945. Serial No. 492,992.

League of AMERICAN WHEELMEN NEWS

FOR A SECTION IN A TRADE PERIODICAL.
Claims use since 1934.

424,110. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ART WIRE AND STAMPING COMPANY, Newark, N. J. Filed Dec. 11, 1945. Serial No. 493,036.

Tunalin

FOR SWIVELS, SNAPS, BAITS, AND LEADERS USED IN CONNECTION WITH FISHING TACKLE.
Claims use since Nov. 15, 1938.

424,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALF ENGEN COMPANY, Salt Lake City, Utah. Filed Dec. 12, 1945. Serial No. 493,111.



FOR SKIN LOTION CONTAINING A NON-TOXIC CHEMICAL INGREDIENT WHICH POSSESSES THE PROPERTY OF TEMPORARILY SCREENING OUT THOSE RAYS FROM THE SUN WHICH PRODUCE SUNBURN.
Claims use since May 11, 1944.

424,112. (CLASS 39. CLOTHING.) LOU APPLETON, New York, N. Y. Filed Dec. 15, 1945. Serial No. 493,312.

Fit to be Tied!

FOR CRAVATS.
Claims use since Oct. 6, 1944.

424,113. (CLASS 38. PRINTS AND PUBLICATIONS.) HAIRE PUBLISHING COMPANY, New York, N. Y. Filed Dec. 26, 1945. Serial No. 493,886.



FOR A SECTION IN A MAGAZINE.
Claims use since September 1944.

424,114. (CLASS 39. CLOTHING.) GROSS BLOUSE CO., New York, N. Y. Filed Dec. 29, 1945. Serial No. 494,065.

Jackie Grey
CREATION

FOR LADIES' BLOUSES.
Claims use since Dec. 1, 1944.

424,115. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROBERT L. BEEKMAN, doing business as Beekman Engineering Co., Fort Lauderdale, Fla. Filed Jan. 12, 1946. Serial No. 494,651.

TRIPOINT TURRET



FOR TURRET TOOL POSTS.
Claims use since Mar. 11, 1944.

424,116. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ELLIS PAINT COMPANY, Long Beach, Calif. Filed Jan. 14, 1946. Serial No. 494,740.



FOR READY-MIXED PAINTS, PAINT ENAMELS, VARNISHES, PAINT OILS, SYNTHETIC ENAMELS AND PROTECTIVE COATINGS IN THE NATURE OF PAINT FOR BRUSH, SPRAY AND DIP APPLICATION.
Claims use since Nov. 20, 1935.

424,117. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRIFFIN CRAFT, doing business as Dixie Syrup Company, Sheffield, Ala. Filed Jan. 15, 1946. Serial No. 494,786.

CRAFT'S

FOR TABLE SYRUP.
Claims use since Jan. 1, 1935.

424,118. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HAROLD J. SHERIDAN, doing business as Baird Manufacturing Company, Tulsa, Okla. Filed Jan. 16, 1946. Serial No. 494,868.

DOUBLE SEAL

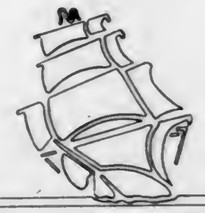
FOR BALL AND SEAT VALVES FOR OIL WELL PUMPS.
Claims use since Sept. 1, 1934.

424,119. (CLASS 19. VEHICLES.) THE PAUL BUNYAN BAIT COMPANY, Minneapolis, Minn. Filed Jan. 25, 1946. Serial No. 495,364.

PAUL BUNYAN

Paul Bunyan is a legendary character in the logging industry.
FOR BOAT PROPELLERS.
Claims use since Feb. 1, 1945.

424,120. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DOROTHY B. MIGELL, doing business as Atlantic Battery Company, Boston, Mass. Filed Jan. 25, 1946. Serial No. 495,397.



FOR STORAGE BATTERIES.
Claims use since June 1934.

424,121. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HUGHES-AUTOGRAF BRUSH CO., INC., now by change of name to Hughes Brushes Inc., New York, N. Y. Filed Jan. 26, 1946. Serial No. 495,474.

HUGHES
COV-O-CAP

FOR PROTECTIVE BRUSH COVERS MADE OF TRANSLUCENT OR TRANSPARENT PLASTIC SHEET MATERIAL.
Claims use since Sept. 1, 1942.

424,122. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NU-STARCH, INC., New York, N. Y. Filed Jan. 29, 1946. Serial No. 495,618.

Nu-starch

FOR COMBINATION STARCH AND BLUING CONCENTRATE.
Claims use since April 1943.

424,123. (CLASS 39. CLOTHING.) EPSTEIN GARMENT CO., INC., New York, N. Y. Filed Jan. 30, 1946. Serial No. 495,660.

Teena Paige

FOR LADIES' DRESSES.
Claims use since October 1944.

424,124. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed Feb. 8, 1946. Serial No. 496,190.

LADLE

FOR FIRE BRICK AND REFRACTORY SHAPES.
Claims use since Dec. 11, 1944.

424,125. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CRYNS PRODUCTS, INC., Chicago, Ill. Filed Feb. 8, 1946. Serial No. 496,209.

CRYNS

FOR FOOD FOR YEAST IN POWDERED FORM, CONTAINING MINERAL SALTS, INACTIVE YEAST, AND CEREAL FLOURS; RYE YEAST; AND CAKE LINER IN GREASE FORM, FOR APPLYING TO CONTAINERS IN WHICH CAKES ARE BAKED TO PERMIT THEIR WITHDRAWAL FROM THE CONTAINERS.
Claims use since June 6, 1945.

424,126. (CLASS 19. VEHICLES.) PAUL O. YOUNG, Philadelphia, Pa. Filed Feb. 12, 1946. Serial No. 496,493.

YOUNG'S
Philadelphia Trucks

FOR HAND TRUCKS, DOLLIES, AND THE LIKE.
Claims use since May 1, 1945.

424,127. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES G. VAGIM, doing business as Vagim Packing Co., Fresno, Calif. Filed Feb. 25, 1946. Serial No. 497,216.

Plump Meaty

FOR DRIED FRUITS, PARTICULARLY RAISINS.
Claims use since June 10, 1944.

424,128. (CLASS 39. CLOTHING.) LEON KRONTHAL, INC., New York, N. Y. Filed Feb. 26, 1946. Serial No. 497,253.

PatPetite
TEENS

FOR MISSES' AND JUNIOR MISSES' BLOUSES.
Claims use since Feb. 25, 1945.

424,129. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ALLAN P. LINDBLAD, doing business as Sudbury Brass Goods Company, Boston, Mass. Filed Mar. 1, 1946. Serial No. 497,486.

WAXSAVER

FOR METALLIC CANDLE BURNERS MADE OF NON-PRECIOUS METALS AND ADAPTED TO REST ON AND SURROUND THE UPPER ENDS OF CANDLES TO PREVENT MELTED WAX FROM DRIBBLING DOWN THE SIDES OF THE CANDLES.
Claims use since October 1936.

424,130. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES A. MORRISON, Springfield, Mass. Filed Mar. 11, 1946. Serial No. 498,021.

Auvergne
AFTER FIVE

FOR PERFUMES, COLOGNES, SACHET POWDERS AND TALCUM POWDERS.
Claims use since April 1937.

424,131. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. E. HOUGH, doing business as Hough Packed Produce, Harlingen, Tex. Filed Mar. 18, 1946. Serial No. 498,420.

"HOUGH PACKED"

FOR FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since 1916.

424,132. (CLASS 31. FILTERS AND REFRIGERATORS.) WILSON CABINET COMPANY, Smyrna, Del. Filed Mar. 26, 1946. Serial No. 499,032.

ZERO-FLOW

FOR MILK COOLERS.
Claims use since Sept. 25, 1944.

TRADE-MARK REGISTRATIONS RENEWED

28,452. **"SWIFT" AND DESIGN.** CERTAIN MEATS; AND SHORTENINGS, AND OTHER PROVISIONS. Registered June 23, 1896. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed June 23, 1946. Class 46.

28,734. **20TH CENTURY.** GLAZED KID. Registered Aug. 11, 1896. G. H. MCNEELY & CO. Re-renewed Aug. 11, 1946, to McNeely & Price Co., Philadelphia, Pa., a corporation of Pennsylvania. Class 1.

28,936. **VELOCITÉ.** OILS AND LUBRICANTS OF ALL KINDS. Registered Oct. 6, 1896. VACUUM OIL COMPANY, Rochester, N. Y. Re-renewed Oct. 6, 1946, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Class 15.

28,937. **VACUOLINE.** OILS AND LUBRICANTS OF ALL KINDS. Registered Oct. 6, 1896. VACUUM OIL COMPANY, Rochester, N. Y. Re-renewed Oct. 6, 1946, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Class 15.

48,907. **BOVRIL.** SYRUPS, FLAVORINGS, TONICS AND EXTRACTS FOR NON-INTOXICATING BEVERAGES. Registered Jan. 16, 1906. BOVRIL LIMITED, London, England, and Montreal, Quebec, Canada. Re-renewed Jan. 16, 1946, to Bovril of America Inc., New York, N. Y., a corporation of New Jersey. Class 45.

49,597. **ACME-AUTOMAT.** LATHES. Registered Feb. 13, 1906. THE NATIONAL-ACME MANUFACTURING COMPANY. Re-renewed Feb. 13, 1946, to The National Acme Company, Cleveland, Ohio, a corporation of Ohio. Class 23.

51,189. **LOWMOOR.** RIVETS. Registered Mar. 20, 1906. LOW MOOR COMPANY LIMITED, Low Moor, near Bradford, England. Re-renewed Mar. 20, 1946, to Low Moor Best Yorkshire Iron Limited, Low Moor (Bradford) Yorkshire, England, an organized company of Great Britain. Class 13.

51,242. **LOWMOOR.** IRON BARS, RODS, SHEETS, PLATES, HOOPING, AND TIRES. Registered Apr. 10, 1906. LOW MOOR COMPANY LIMITED, Low Moor, near Bradford, England. Re-renewed Apr. 10, 1946, to Low Moor Best Yorkshire Iron Limited, Low Moor (Bradford) Yorkshire, England, an organized company of Great Britain. Class 14.

51,386. **REPRESENTATION OF A CAKE OF SOAP HAVING ON ONE FACE THEREOF TWO PARALLEL BARS.** GLYCERINE-SOAP. Registered Apr. 17, 1906. MÜLHENS & KROPFF, New York, N. Y. Vested in the Alien Property Custodian, Washington, D. C., and re-renewed to him Apr. 17, 1946. Class 4.

51,685. **"OLD HICKORY" AND DRAWING.** RUSTIC CHAIRS, SETTEES, TABLES, AND STOOLS. Registered Apr. 24, 1906. THE OLD HICKORY CHAIR CO. Re-renewed Apr. 24, 1946, to Old Hickory Furniture Company, Martinsville, Ind., a corporation of Delaware. Class 32.

51,862. **BOVRIL.** EXTRACTS AND ESSENCES OF MEAT. Registered Apr. 24, 1906. BOVRIL LIMITED, London, England. Re-renewed Apr. 24, 1946, to Bovril of America Inc., New York, N. Y., a corporation of New Jersey. Class 46.

52,827. **"SAFECRAFT" ETC.** SAFES. Registered May 22, 1906. HERRING-HALL-MARVIN SAFE COMPANY, Hamilton, Ohio, and New York, N. Y. Re-renewed May 22, 1946, to Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of New York. Class 25.

52,844. **D & W.** ELECTRIC SWITCHES AND PARTS THEREOF AND MOUNTINGS AND INCLOSURES THEREFOR. Registered May 22, 1906. D. & W. FUSE Co., Providence, R. I. Re-renewed May 22, 1946, to General Electric Company, Schenectady, N. Y., a corporation of New York. Class 21.

53,139. **"MONOBAT" AND DESIGN.** MATTRESSES. Registered May 29, 1906. THE COLORADO BEDDING CO., Pueblo, Colo. Re-renewed May 29, 1946, to The Colorado Bedding Company, Denver, Colo., a corporation of Colorado. Class 32.

54,026. **RAMONA.** FOUNDRY-FACINGS. Registered June 19, 1906. THE UNITED STATES GRAPHITE CO., Saginaw, Mich., a corporation of Michigan. Re-renewed June 19, 1946. Class 1.

54,100. **PAINKILLER.** CERTAIN MEDICINAL PREPARATION. Registered June 19, 1906. DAVIS AND LAWRENCE CO., New York, N. Y. Re-renewed June 19, 1946, to Davis and Lawrence Company, Dobbs Ferry, N. Y., a corporation of New York. Class 6.

54,280. **SAFECRAFT.** SAFES. Registered June 26, 1906. HERRING-HALL-MARVIN SAFE COMPANY, Hamilton, Ohio, and New York, N. Y. Re-renewed June 26, 1946, to Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of New York. Class 25.

54,314. **"BLACK DIAMOND" AND DRAWING.** SHOVELS, SCOOPS, AND SPADES. Registered June 26, 1906. ST. LOUIS SHOVEL CO., St. Louis, Mo. Re-renewed June 26, 1946, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware. Class 23.

54,343. **SCALECIDE.** INSECTICIDES. Registered June 26, 1906. B. G. PRATT COMPANY, New York, N. Y. Re-renewed June 26, 1946, to B. G. Pratt Company, Hackensack, N. J., a corporation of New Jersey. Class 6.

54,421. **SAFE.** BAR-SOAP. Registered June 26, 1906. THE WIEHLE SOAP COMPANY, Ironton, Ohio. Re-renewed June 26, 1946, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia. Class 4.

54,454. **205.** PULVERIZED GRAPHITE. Registered June 26, 1906. THE UNITED STATES GRAPHITE CO., Saginaw, Mich., a corporation of Michigan. Re-renewed June 26, 1946. Class 1.

54,642. **"M" AND DESIGN.** BEER. Registered June 26, 1906. MINNEAPOLIS BREWING CO. Re-renewed June 26, 1946, to Minneapolis Brewing Co., Minneapolis, Minn., a corporation of Minnesota. Class 48.

54,643. **"GOLDEN GRAIN BELT" AND DESIGN.** BEER. Registered June 26, 1906. MINNEAPOLIS BREWING CO. Re-renewed June 26, 1946, to Minneapolis Brewing Co., Minneapolis, Minn., a corporation of Minnesota. Class 48.

54,647. **"MEXICAN" AND DRAWING.** PLUMBAGO (OR GRAPHITE) **AXLE-GREASE.** Registered June 26, 1906. THE UNITED STATES GRAPHITE CO., Saginaw, Mich., a corporation of Michigan. Re-renewed June 26, 1946. Class 15.

54,790. **NESTOR.** CIGARETTES AND TOBACCO FOR CIGARETTES. Registered July 31, 1906. NESTOR GIANACLIS COMPANY, Boston, Mass. Re-renewed July 31, 1946, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey. Class 17.

55,170. **BLUE LABEL.** CATCHUP. Registered Aug. 7, 1906. CURTICE BROTHERS CO., Rochester, N. Y., a corporation of New York. Re-renewed Aug. 7, 1946. Class 46.

55,468. **GRAFITA.** LUBRICATING-GRAPHITE. Registered Aug. 14, 1906. THE UNITED STATES GRAPHITE CO., Saginaw, Mich., a corporation of Michigan. Re-renewed Aug. 14, 1946. Class 15.

55,578. **"CREAM" ETC.** CORN-STARCH. Registered Aug. 14, 1906. AUGUSTUS E. STALEY, Baltimore, Md. Re-renewed Aug. 14, 1946, to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware. Class 46.

55,813. **CURTICE BROTHERS CO.** CATCHUP. Registered Aug. 21, 1906. CURTICE BROTHERS CO., Rochester, N. Y., a corporation of New York. Re-renewed Aug. 21, 1946. Class 46.

56,186. **"STAR" AND DESIGN.** RAZORS AND RAZOR BLADES. Registered Aug. 28, 1906. KAMPFE BROS., New York, N. Y. Re-renewed Aug. 28, 1946, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia. Class 23.

56,278. **FARREL & CO.** SAFES. Registered Sept. 4, 1906. HERRING-HALL-MARVIN SAFE COMPANY, Hamilton, Ohio, and New York, N. Y. Re-renewed Sept. 4, 1946, to Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of New York. Class 25.

56,279. **HERRING & CO.** SAFES. Registered Sept. 4, 1906. HERRING-HALL-MARVIN SAFE COMPANY, Hamilton, Ohio, and New York, N. Y. Re-renewed Sept. 4, 1946, to Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of New York. Class 25.

56,287. **MARVIN SAFE CO.** SAFES. Registered Sept. 4, 1906. HERRING-HALL-MARVIN SAFE COMPANY, Hamilton, Ohio, and New York, N. Y. Re-renewed Sept. 4, 1946, to Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of New York. Class 25.

56,488. **"THE CLIMAX FUSE COMPANY" ETC. AND DESIGN.** SAFETY-FUSE FOR EXPLODING GUNPOWDER AND OTHER EXPLOSIVES. Registered Oct. 2, 1906. THE CLIMAX FUSE CO., New York, N. Y. Renewed Oct. 2, 1946, to The Ensign-Bickford Company, Simsbury, Conn., a corporation of Connecticut. Class 9.

56,489. **"CRESCENT" AND DESIGN.** FUSES. Registered Oct. 2, 1906. THE CLIMAX FUSE CO., New York, N. Y. Re-renewed Oct. 2, 1946, to The Ensign-Bickford Company, Simsbury, Conn., a corporation of Connecticut. Class 9.

56,567. **TANNATE.** LEATHER BELTING AND PACKING. Registered Oct. 9, 1906. J. E. RHOADS & SONS, Philadelphia, Pa., and Wilmington, Del. Re-renewed Oct. 9, 1946, to J. E. Rhoads & Sons, Philadelphia, Pa., a firm. Class 35.

56,622. **"PLYMOUTH 1824" AND DRAWING.** ROPES, YARNS, TWINES, AND CORDS. Registered Oct. 9, 1906. PLYMOUTH CORDAGE COMPANY, Plymouth, Mass. Re-renewed Oct. 9, 1946, to Plymouth Cordage Company, North Plymouth, Mass., a corporation of Massachusetts. Class 7.

56,841. **"FELS-NAPTHA" AND DESIGN.** SOAP. Registered Oct. 23, 1906. FELS & COMPANY. Re-renewed Oct. 23, 1946, to Fels & Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 4.

177,048. **BEAU MASQUE.** LIQUID ADHESIVE TOILET POWDER. Registered Dec. 11, 1923. MARIE MARTHE RICHARD VVE. GRENOVILLE, doing business as Parfumerie Grenoville. Renewed Dec. 11, 1943, to Grenoville, Societe Anonyme, Asnieres, France, a corporation of France. Class 6.

205,502. **REPRESENTATION OF A BEAR, MORTAR, PESTLE, ETC.** EAU DE COLOGNE, PERFUMERY; AROMATIC OIL USED IN A VERY CONCENTRATED FORM IN THE MANUFACTURE OF SOAPS, PERFUMES, AND ANTISEPTICALLY; ETHEREAL OILS USED IN THE MANUFACTURE OF MEDICINES, TOILET PREPARATIONS, PERFUMES, AND SIMILAR GOODS; AND CERTAIN OTHER NAMED PREPARATIONS. Registered Nov. 10, 1925. BARNÄNGENS TEKNISKA FABRIKERS AKTIEBOLAG, Stockholm, Sweden, a corporation of Sweden. Renewed Nov. 10, 1945. Class 6.

206,654. **CHROMOLENE.** CHEMICAL PREPARATION ADAPTED TO BE APPLIED TO STEEL TO CLEAN THE SAME AND TO ACT THEREON TO IMPART RUST-PROHIBITIVE PROPERTIES THERETO. Registered Dec. 8, 1925. CHEMICAL PRODUCTS CORPORATION. Renewed Dec. 8, 1945, to Industrial Chemical Products Co., Detroit, Mich., a corporation of Michigan. Class 6.

209,465. **BUST PORTRAIT OF A WOMAN.** HAIR TONIC. Registered Feb. 23, 1926. VIOLET TITTLE, Blountstown, Fla. Renewed Feb. 23, 1946, to Smith and Smith, Mission, Tex., a partnership. Class 6.

211,408. **"SERVISATIN".** CERTAIN PIECE GOODS. Registered Apr. 3, 1926. HILLCREST SILK MILLS, West New York, N. J., and New York, N. Y. Renewed Apr. 13, 1946, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Class 42.

211,473. **ALTA.** FRESH GRAPES. Registered Apr. 13, 1926. WRIGHT & HUGHSON. Renewed Apr. 13, 1946, to Kalender Bros., Dinuba, Calif., a co-partnership. Class 46.

211,901. **CLAR-A-DYNE.** RADIO RECEIVING SETS. Registered Apr. 20, 1926. LEE D. CROUCH, Oneonta, N. Y. Renewed Apr. 20, 1946. Class 21.

211,906. **"C-BRITE" ETC. AND DRAWING.** SPECTACLES, EYEGLASSES, GOGGLES, AND LENS. Registered Apr. 20, 1926. OTTO ZEMAN, Chicago, Ill. Renewed Apr. 20, 1946. Class 26.

211,955. **WELDWOOD.** WATCH MOVEMENTS AND WATCHCASES. Registered Apr. 20, 1926. ILLINOIS WATCH CASE COMPANY. Renewed Apr. 20, 1946, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Class 27.

211,956. **RISO.** WATCH MOVEMENTS AND WATCHCASES. Registered Apr. 20, 1926. ILLINOIS WATCH CASE COMPANY. Renewed Apr. 20, 1946, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Class 27.

211,957. **RALO.** WATCH MOVEMENTS AND WATCHCASES. Registered Apr. 20, 1926. ILLINOIS WATCH CASE COMPANY. Renewed Apr. 20, 1946, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Class 27.

211,958. **VERA.** WATCH MOVEMENTS AND WATCHCASES. Registered Apr. 20, 1926. ILLINOIS WATCH CASE COMPANY. Renewed Apr. 20, 1946, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Class 27.

211,959. **VACO.** WATCH MOVEMENTS AND WATCHCASES. Registered Apr. 20, 1926. ILLINOIS WATCH CASE COMPANY. Renewed Apr. 20, 1946, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Class 27.

211,960. **ROCO.** WATCH MOVEMENTS AND WATCHCASES. Registered Apr. 20, 1926. ILLINOIS WATCH CASE COMPANY. Renewed Apr. 20, 1946, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Class 27.

211,961. **NORCO.** WATCH MOVEMENTS AND WATCHCASES. Registered Apr. 20, 1926. ILLINOIS WATCH CASE COMPANY. Renewed Apr. 20, 1946, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Class 27.

212,231. **ROSE HANSKAT'S STAYFORM.** WOMEN'S UNDERGARMENTS OF TEXTILE FABRIC. Registered Apr. 27, 1926. ROSE HANSKAT, doing business as Rosehan Company, Chicago, Ill. Renewed Apr. 27, 1946, to Rose Hanskat, Pass-A-Grille Beach, Fla. Class 39.

212,260. **TARNO.** DENTAL INSTRUMENTS. Registered Apr. 27, 1926. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Apr. 27, 1946. Class 44.

212,261. **KRYPTEX.** DENTAL CEMENT. Registered Apr. 27, 1926. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Apr. 27, 1946. Class 44.

212,547. **VOGUE.** AUTOMOBILE TIRES AND TUBES. Registered May 4, 1926. HARRY C. HOWER. Renewed May 4, 1946, to Vogue Rubber Company, Chicago, Ill., a corporation of Illinois. Class 35.

212,769. **F. R. TRIPLER & CO.** MEN'S COATS, VESTS, LONG PANTS, KNEE PANTS, HATS AND CAPS, OVERCOATS AND RAINCOATS, DRESS AND NEGLIGEE OUTER SHIRTS, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered May 11, 1926. F. R. TRIPLER & CO. INC., New York, N. Y., a corporation of New York. Renewed May 11, 1946. Class 39.

212,808. **SYLVANIA.** RADIO TUBES. Registered May 11, 1926. SYLVANIA PRODUCTS COMPANY, Emporium, Pa. Renewed May 11, 1946, to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts. Class 21.

213,041. **WHITE ROCK.** PLASTER. Registered May 18, 1926. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Renewed May 18, 1946, to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland. Class 12.

213,049. **SIRIUS.** CERTAIN KINDS OF PAPER, AND CARD-BOARD OF ALL COLORS. Registered May 18, 1926. ZÜRCHER PAPIERFABRIK AN DER SIHL, Zurich, Switzerland, a Swiss corporation. Renewed May 18, 1946. Class 37.

214,072. **GENERAL.** SAFETY RAZORS. Registered June 15, 1926. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y., a corporation of Virginia. Renewed June 15, 1946. Class 23.

214,104. **"DIAMOND" AND DESIGN.** GAS HOT-WATER HEATERS AND GAS HOT-WATER-STORAGE SYSTEMS. Registered June 15, 1926. PITTSBURG WATER HEATER COMPANY. Renewed June 15, 1946, to The Pittsburg Water Heater Corporation, Pittsburgh, Pa., a corporation of Pennsylvania. Class 34.

214,133. **"SWIFT'S" ETC. AND DRAWING.** STOCK FEED. Registered June 15, 1926. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 15, 1946. Class 46.

214,158. **GIRLS' & JUNIORS' WEAR.** MAGAZINE PUBLISHED MONTHLY. Registered June 15, 1926. EARNSHAW SALES COMPANY, Chicago, Ill. Renewed June 15, 1946, to Earnshaw Publications, Inc., Newton, Mass., a corporation of Massachusetts. Class 38.

214,208. **REPRESENTATION OF A SINGLE RED LINE NEAR EACH LONGITUDINAL EDGE OF TRACING CLOTH.** TRACING CLOTH. Registered June 15, 1926. THE WINTERBOTTOM BOOK CLOTH COMPANY, LIMITED, Manchester, England, a British corporation. Renewed June 15, 1946. Class 37.

214,524. **"NCGCO" AND REPRESENTATION OF A BOW AND SEAL.** CANNED FRUITS, CANNED VEGETABLES, BOTTLED CHERRIES AND OLIVES, CATCHUP, CANNED PUMPKIN, CANNED SAUERKRAUT, CANNED HOMINY, VINEGAR, AND BREAKFAST CEREALS. Registered June 29, 1926. NEW CASTLE GROCERY CO. Renewed June 29, 1946, to New Castle Grocery Co., New Castle, Pa., a corporation of Pennsylvania. Class 46.

214,567. **COUNTRY CLUB.** CANNED FRUITS—NAMELY, APRICOTS, PEACHES, PEARS, PINEAPPLE, CHERRIES; CANNED BERRIES—NAMELY, STRAWBERRIES, BLACKBERRIES, LOGANBERRIES, RED RASPBERRIES; AND CERTAIN OTHER NAMED FOODS. Registered June 29, 1926. THE KROGER GROCERY & BAKING CO. Renewed June 29, 1946, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Class 46.

214,571. **COUNTRY CLUB.** PANCAKE FLOUR, DRIED RAISINS, DRIED PRUNES, MARASCHINO CHERRIES, SWEET-PEPPER RELISH, AND CANNED MUSHROOMS, AND SANDWICH SPREAD COMPOSED OF MAYONNAISE, CHOPPED PICKLES, PEPPERS, CHOPPED OLIVES, FRUITS, AND NUTS. Registered June 29, 1926. THE KROGER GROCERY & BAKING CO. Renewed June 29, 1946, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Class 46.

214,949. **MOTHER'S STICK CANDY.** STICK CANDY. Registered July 6, 1926. C. EDWIN GHEENS, doing business as Bradas & Gheens. Renewed July 6, 1946, to Bradas & Gheens, Inc., Louisville, Ky., a corporation of Kentucky. Class 46.

215,084. **REGINA.** SOAP. Registered July 13, 1926. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 13, 1946. Class 4.

215,089. **STAR.** PICKLES. Registered July 13, 1926. SQUIRE DINGEE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 13, 1946. Class 46.

215,091. **REPRESENTATION OF AN EAGLE ETC.** WOVEN TAPE. Registered July 13, 1926. JOHN SIDEBOTHAM, Frankford, Philadelphia, Pa. Renewed July 13, 1946, to John Sidebotham, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Class 40.

215,194. **"QUALITON" AND DESIGN.** CERTAIN DESK PADS AND DESK FILES. Registered July 13, 1926. MORRIS PILTZER, doing business as Piltzer Bros., Los Angeles, Calif. Renewed July 13, 1946. Class 37.

215,554. **"MINNEAPOLIS MILLING COMPANY" AND DESIGN.** DURUM FEED AND DURUM FLOUR. Registered July 20, 1926. MINNEAPOLIS MILLING COMPANY. Renewed July 20, 1946, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. Class 46.

215,854. **"ROYAL-DOULTON" AND DRAWING.** POTTERY, EARTHENWARE, AND CHINA. Registered July 27, 1926. DOULTON & COMPANY LIMITED, Lambeth, London, England, an organized company of Great Britain. Renewed July 27, 1946. Class 30.

215,855. **"ROYAL-DOULTON" AND DRAWING.** POTTERY, EARTHENWARE, AND CHINA. Registered July 27, 1926. DOULTON & COMPANY LIMITED, Lambeth, London, England, an organized company of Great Britain. Renewed July 27, 1946. Class 30.

215,976. **S O F.** DRY EARTH PIGMENTS. Registered Aug. 3, 1926. REICHARD-COULSTON, INC., New York, N. Y., a corporation of New York. Renewed Aug. 3, 1946. Class 16.

216,016. **PLANTER'S TWINS.** CHOCOLATE BARS. Registered Aug. 3, 1926. THE PLANTERS NUT & CHOCOLATE COMPANY, Wilkes-Barre, Pa., and Suffolk, Va. Renewed Aug. 3, 1946, to Planters Nut and Chocolate Company, Wilkes-Barre, Pa., a corporation of Pennsylvania. Class 46.

216,060. **STARS BARS AND CIRCLE.** CERTAIN OILS AND GREASES. Registered Aug. 3, 1926. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed Aug. 3, 1946, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware. Class 15.

216,063. **TOP-O-TH-MORNIN.** COFFEE, BUTTER, AND FOOD-FLAVORING VANILLA EXTRACT AND LEMON EXTRACT. Registered Aug. 3, 1926. L. KOHN & SONS MEAT AND GROCERY COMPANY, doing business as The Kohn Stores, St. Louis, Mo. Renewed Aug. 3, 1946, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Class 46.

216,131. **SATIN.** DRY EARTH PIGMENTS. Registered Aug. 3, 1926. REICHARD-COULSTON, INC., New York, N. Y., a corporation of New York. Renewed Aug. 3, 1946. Class 16.

216,192. **REPRESENTATION OF A "CLOVER" DESIGN.** BUTTER, EGGS, AND CHEESE. Registered Aug. 3, 1926. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 3, 1946. Class 46.

216,263. **ELLERTON.** COTTON PIECE GOODS. Registered Aug. 10, 1926. MINOT, HOOPER & CO., New York, N. Y., a firm. Renewed Aug. 10, 1946. Class 42.

216,265. **"CREAM OF KENTUCKY" ETC. AND DESIGN.** GRAIN ALCOHOL (NONBEVERAGE). Registered Aug. 10, 1926. SCHENLEY PRODUCTS COMPANY, Jersey City, N. J., and Louisville, Ky. Renewed Aug. 10, 1946, to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware. Class 49.

216,268. **WIZARD.** SAFETY RAZORS. Registered Aug. 10, 1926. GEM SAFETY RAZOR CORPORATION. Renewed Aug. 10, 1946, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia. Class 23.

216,279. **"Z" PIERCED BY AN ARROW.** CERTAIN KINDS OF PAPER. Registered Aug. 10, 1926. ZÜRCHER PAPIERFABRIK AN DER SIHL, Zurich, Switzerland, a Swiss corporation. Renewed Aug. 10, 1946. Class 37.

216,288. **BUCKEYE CORD.** SOLID AND PNEUMATIC TIRES AND INFLATABLE INNER TUBES OF RUBBER USED ON AUTOMOBILES AND OTHER VEHICLES. Registered Aug. 10, 1926. KELLY-SPRINGFIELD TIRE COMPANY, New York, N. Y. Renewed Aug. 10, 1946, to The Kelly-Springfield Tire Company, Cumberland, Md., a corporation of Maryland. Class 35.

216,300. **"I C M" IN MONOGRAM.** CIGAR-MAKING MACHINERY AND PARTS THEREOF. Registered Aug. 10, 1926. INTERNATIONAL CIGAR MACHINERY COMPANY, New York, N. Y. Renewed Aug. 10, 1946, to International Cigar Machinery Company, Flemington, N. J., a corporation of New Jersey. Class 23.

216,410. **HELICOIL.** CERTAIN ELECTRIC HEATERS; AND ELECTRIC SOLDERING IRONS AND SHEATHED ELECTRIC HEATING UNITS. Registered Aug. 10, 1926. GENERAL ELECTRIC COMPANY, Schenectady, N. Y., a corporation of New York. Renewed Aug. 10, 1946. Class 21.

216,432. **PARCO.** SKYLIGHTS, SKYLIGHT LIFTS, AND BUILT-IN ROOF VENTILATORS. Registered Aug. 10, 1926. PARK CITY CORNICE WORKS, INCORPORATED, Bridgeport, Conn., a corporation of Connecticut. Renewed Aug. 10, 1946. Class 12.

216,569. **REPRESENTATION OF A RHOMB.** SAFETY-RAZOR BLADES. Registered Aug. 17, 1926. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass., a corporation of Delaware. Renewed Aug. 17, 1946. Class 23.

216,783. **COOKLITE.** COTTONSEED OIL SHORTENING. Registered Aug. 17, 1926. ARMSTRONG PACKING COMPANY, Dallas, Tex. Renewed Aug. 17, 1946, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 46.

216,872. **"ROYAL DOULTON" AND DRAWING.** POTTERY, EARTHENWARE, AND CHINA. Registered Aug. 24, 1926. DOULTON & COMPANY LIMITED, Lambeth, London, England, an organized company of Great Britain. Renewed Aug. 24, 1946. Class 30.

216,912. **MINERASAL.** EFFERVESCENT SALT FOR REMINERALIZATION OF THE BLOOD. Registered Aug. 24, 1926. G. D. SEARLE & CO., Chicago, Ill., a corporation of Illinois. Renewed Aug. 24, 1946. Class 6.

216,956. **HAPPY BUNNY.** DYES. Registered Aug. 24, 1926. IRVING HALPERN, doing business as Hal Pern M'f'g Co., Brooklyn, N. Y. Renewed Aug. 24, 1946, to Henry F. Pupke, Valley Stream, N. Y. Class 6.

216,972. **REPRESENTATION OF A PILGRIM'S HEAD.** HYDRATED LIME. Registered Aug. 24, 1926. ROCKLAND & ROCKPORT LIME CORPORATION. Renewed Aug. 24, 1946, to Rockland-Rockport Lime Co. Inc., Rockland, Maine, a corporation of Maine. Class 12.

217,122. **BULLDOG.** CERTAIN METALLIC PARTS USED IN BUILDING CONSTRUCTION. Registered Aug. 24, 1926. OLAV TRYGVE THEODORSEN, Olso, Norway. Renewed Aug. 24, 1946. Class 12.

217,179. **POPULAR CLUB.** CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE, SARSAPARILLA, ROOT BEER, AND FRUIT FLAVORS. Registered Aug. 24, 1926. MIDDLE RIVER BOTTLING CO., Middle River, Md. Renewed Aug. 24, 1946, to William L. Bartels, doing business as Middle River Bottling Company, Baltimore, Md. Class 45.

217,333. **ROYAL FEAST.** FRESH CITROUS FRUIT. Registered Aug. 31, 1926. MAGNOLIA CITRUS ASSOCIATION, Porterville, Calif., a corporation of California. Renewed Aug. 31, 1946. Class 46.

217,377. **TRIBUNE.** LEAD PENCILS. Registered Aug. 31, 1926. J. S. STAEDTLER, INC., New York, N. Y., a corporation of New York. Renewed Aug. 31, 1946. Class 37.

217,568. **STORM KING.** LIGHTNING ARRESTERS AND PARTS THEREOF. Registered Sept. 7, 1926. L. S. BRACH MANUFACTURING CO. Renewed Sept. 7, 1946, to L. S. Brach Manufacturing Corporation, Newark, N. J., a corporation of New Jersey. Class 21.

217,580. **LIBERTY.** BAND INSTRUMENTS, PARTICULARLY HORNS. Registered Sept. 7, 1926. THE H. N. WHITE COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Sept. 7, 1946. Class 36.

217,647. **HOLLCRAFT.** CERTAIN NAMED CLOTHING FOR WOMEN, GIRLS, AND MISSES. Registered Sept. 7, 1926. C. CRAWFORD HOLLIDGE. Renewed Sept. 7, 1946, to C. Crawford Hollidge, Ltd., Boston, Mass., a corporation of Massachusetts. Class 39.

217,736. **FOUNTAIN PEN VELLUM.** WRITING PAPER AND MAILING ENVELOPES. Registered Sept. 7, 1926. WESLEY & WINTER, INC., Newark, N. J. Renewed Sept. 7, 1946, to Wesley & Winter, Inc., Linden, N. J., a corporation of New Jersey. Class 37.

217,769. **CRAGMOOR.** TOPCOATS, OVERCOATS, COATS, VESTS, AND TROUSERS FOR MEN, YOUTHS, AND BOYS. Registered Sept. 7, 1926. L. GREIF & BRO., INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed Sept. 7, 1946. Class 39.

217,907. **DURAX.** NONMETALLIC SHEATHED CABLES FOR ELECTRIC CIRCUITS. Registered Sept. 14, 1926. TUBULAR WOVEN FABRIC COMPANY, Pawtucket, R. I. Renewed Sept. 14, 1946, to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware. Class 21.

217,946. **LUXURY.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Sept. 14, 1926. REDLANDS CO-OPERATIVE FRUIT ASSOCIATION. Renewed Sept. 14, 1946, to Redlands Cooperative Fruit Association, Redlands, Calif., a corporation of California. Class 46.

218,007. **IDEAL.** HAIR TONIC. Registered Sept. 14, 1926. THE F. W. FITCH COMPANY, Des Moines, Iowa, a corporation of Iowa. Renewed Sept. 14, 1946. Class 6.

218,064. **KAMPUS-KICKS.** LEATHER BOOTS AND SHOES. Registered Sept. 21, 1926. THE L. D. STICKLES SHOE COMPANY. Renewed Sept. 21, 1946, to La Grange Shoe Corporation, Red Wing, Minn., a corporation of Minnesota. Class 39.

218,070. **PARK LANE.** MEN'S AND BOYS' SUITS, RAINCOATS, AND OVERCOATS. Registered Sept. 21, 1926. GOODLOW CORPORATION. Renewed Sept. 21, 1946. to Bond Stores, Incorporated, New York, N. Y., a corporation of Maryland. Class 39.

218,124. **CORALIE.** LADIES', MISSES', AND JUNIORS' HATS. Registered Sept. 21, 1926. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 21, 1946. Class 39.

218,156. **HERCULES.** LEATHER BOOTS AND SHOES. Registered Sept. 21, 1926. THE L. D. STICKLES SHOE COMPANY. Renewed Sept. 21, 1946, to La Grange Shoe Corporation, Red Wing, Minn., a corporation of Minnesota. Class 39.

218,252. **"LIBERTY" AND DESIGN.** BED SPRINGS. Registered Sept. 21, 1926. KINNEY-ROME COMPANY. Renewed Sept. 21, 1946, to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware. Class 32.

218,293. **"CARON" IN MONOGRAM.** PERFUME, TOILET WATER, BRILLIANTINE, SACHET POWDER, AND DENTIFRICES. Registered Sept. 21, 1926. CARON CORPORATION, New York, N. Y., a corporation of New York. Renewed Sept. 21, 1946. Class 6.

218,363. **PROTECTOR.** LIQUID OR LIQUEFIABLE BITUMINOUS COATINGS FOR CONCRETE AND SIMILAR MATERIALS. Registered Sept. 28, 1926. THE BARRETT COMPANY. Renewed Sept. 28, 1946, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 12.

218,424. **BROAD RAY.** CERTAIN PIECE GOODS. Registered Sept. 28, 1926. ELDER MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Sept. 28, 1946. Class 42.

218,717. **RAY-DE-SOIE.** CERTAIN PIECE GOODS. Registered Oct. 5, 1926. ELDER MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Oct. 5, 1946. Class 42.

218,729. **SOVEREIGN.** BED SPRINGS. Registered Oct. 5, 1926. KINNEY ROME COMPANY. Renewed Oct. 5, 1946, to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware. Class 32.

218,744. **LUNA.** LEAD PENCILS. Registered Oct. 5, 1926. J. S. STAEDTLER, INC., New York, N. Y., a corporation of New York. Renewed Oct. 5, 1946. Class 37.

218,745. **"LINA" ETC. AND DRAWING.** OLIVE OIL. Registered Oct. 5, 1926. GIUSEPPE MONTAPERTO, Brooklyn, N. Y. Renewed Oct. 5, 1946, to Gus Sclafani, Stamford, Conn. Class 46.

218,767. **REPRESENTATION OF A PEBBLED SURFACE IN A DESIGN.** SCISSORS AND SHEARS. Registered Oct. 5, 1926. THE ACME SHEAR COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed Oct. 5, 1946. Class 23.

218,778. **CLEMHORST.** CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS, FRESH DECIDUOUS FRUITS. Registered Oct. 5, 1926. E. CLEMENS HORST CO., San Francisco, Calif., a corporation of New Jersey. Renewed Oct. 5, 1946. Class 46.

218,842. **BESMO STEEL.** CEDAR PENCILS. Registered Oct. 5, 1926. UNION PENCIL CO., INC., New York, N. Y., a corporation of New York. Renewed Oct. 5, 1946. Class 37.

218,843. **"UNIPECO" AND DESIGN.** CEDAR PENCILS. Registered Oct. 5, 1926. UNION PENCIL CO., INC., New York, N. Y., a corporation of New York. Renewed Oct. 5, 1946. Class 37.

218,856. **TROMBONE.** PORTABLE AND HAND-OPERATED SPRAYERS AND PARTS THEREOF. Registered Oct. 5, 1926. HUDSON MFG. COMPANY, Minneapolis, Minn. Renewed Oct. 5, 1946, to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota. Class 23.

218,857. **MOHAWK.** PORTABLE AND HAND-OPERATED SPRAYERS AND PARTS THEREOF. Registered Oct. 5, 1926. HUDSON MFG. COMPANY, Minneapolis, Minn. Renewed Oct. 5, 1946, to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota. Class 23.

218,858. **CADET.** PORTABLE AND HAND-OPERATED SPRAYERS AND PARTS THEREOF. Registered Oct. 5, 1926. HUDSON MFG. COMPANY, Minneapolis, Minn. Renewed Oct. 5, 1946, to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota. Class 23.

218,941. **"THE VARNISH THAT LASTS LONGEST" AND DRAWING.** CERTAIN PAINTS AND PAINTERS' MATERIALS. Registered Oct. 5, 1926. MURPHY VARNISH COMPANY, Newark, N. J. Renewed Oct. 5, 1946, to Interchemical Corporation, New York, N. Y., a corporation of Ohio. Class 16.

218,966. **MAJOR.** PORTABLE AND HAND-OPERATED SPRAYERS AND PARTS THEREOF. Registered Oct. 5, 1926. HUDSON MFG. COMPANY, Minneapolis, Minn. Renewed Oct. 5, 1946, to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota. Class 23.

219,041. **JUNIPERO.** BRICK AND TILE. Registered Oct. 12, 1926. LOS ANGELES PRESSED BRICK CO. Renewed Oct. 12, 1946, to Gladding McBean & Co., Los Angeles, Calif., a corporation of California. Class 12.

219,116. **RECOLAC.** SPECIALLY-PREPARED FOOD IN POWDERED FORM FOR INFANTS. Registered Oct. 12, 1926. MEAD JOHNSON & COMPANY, Evansville, Ind., a corporation of Indiana. Renewed Oct. 12, 1946. Class 46.

219,185. **"SUNLIGHT" ETC. AND DESIGN.** SOAP. Registered Oct. 12, 1926. LEVER BROTHERS COMPANY, Cambridge, Mass., a corporation of Maine. Renewed Oct. 12, 1946. Class 4.

219,199. **TIMKEN LIQUAD.** BRAKES, BRAKING SYSTEMS, AND PARTS THEREOF FOR MOTOR VEHICLES. Registered Oct. 12, 1926. TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich., a corporation of Ohio. Renewed Oct. 12, 1946. Class 19.

219,230. **FAR.** EARTH PIGMENTS FOR COLORING INK, COLORING RUBBER, WALL PAPER, AND STUCCO. Registered Oct. 12, 1926. REICHARD-COULSTON, INC., New York, N. Y., a corporation of New York. Renewed Oct. 12, 1946. Class 6.

219,233. **SOFTEX.** EARTH PIGMENTS FOR COLORING INK, COLORING RUBBER, WALL PAPER, AND STUCCO. Registered Oct. 12, 1926. REICHARD-COULSTON, INC., New York, N. Y., a corporation of New York. Renewed Oct. 12, 1946. Class 6.

219,234. **AETNA.** EARTH PIGMENTS FOR COLORING INK, COLORING RUBBER, WALL PAPER, AND STUCCO. Registered Oct. 12, 1926. REICHARD-COULSTON, INC., New York, N. Y., a corporation of New York. Renewed Oct. 12, 1946. Class 6.

219,295. **"DIAMOND HEART" ETC.** FINGER RINGS. Registered Oct. 12, 1926. JACOB BERLINGER, New York, N. Y. Renewed Oct. 12, 1946. Class 28.

219,378. **DOT.** TABLE SALT AND BAKING POWDER. Registered Oct. 19, 1926. THE JANSZEN GROCERY COMPANY. Renewed Oct. 19, 1946, to The Janszen Company, Cincinnati, Ohio, a corporation of Ohio. Class 46.

219,424. **IMPERVE.** COTTON PIECE GOODS. Registered Oct. 19, 1926. NASHUA MANUFG. COMPANY, Nashua, N. H. Renewed Oct. 19, 1946, to Nashua Manufacturing Company, Boston, Mass., a corporation of New Hampshire. Class 42.

219,429. **HEART OF GOLD.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Oct. 19, 1926. HIGHGROVE FRUIT ASSOCIATION, Highgrove, Calif., a corporation of California. Renewed Oct. 19, 1946. Class 46.

219,494. **"LA PERLA" AND DRAWING.** MACARONI, CANNED PEAS AND TOMATOES. Registered Oct. 19, 1926. B. FILIPPONE & CO. Renewed Oct. 19, 1946, to B. Filippone & Co., Passaic, N. J., a corporation of New Jersey. Class 46.

219,508. **"UNGUENT SPECIAL" AND DESIGN.** MASSAGE CREAM. Registered Oct. 19, 1926. LEIGH CHEMIST, INC., New York, N. Y. Renewed Oct. 19, 1946, to Shulton, Inc., Hoboken, N. J., and New York, N. Y., a corporation of New Jersey. Class 6.

219,543. **GOLDEN CROSS.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Oct. 19, 1926. UPLAND HEIGHTS ORANGE ASSOCIATION, Upland, Calif., a corporation of California. Renewed Oct. 19, 1946. Class 46.

219,611. **DETROIT TIMES.** DAILY NEWSPAPER. Registered Oct. 19, 1926. THE TIMES PUBLISHING COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Oct. 19, 1946. Class 38.

219,620. **SER-VAL.** HOSIERY. Registered Oct. 19, 1926. NATIONAL TEXTILE DISTRIBUTERS CORPORATION, New York, N. Y. Renewed Oct. 19, 1946, to The Krolik Corporation, Detroit, Mich., a corporation of Michigan. Class 39.

219,655. **"THE BOOK HOUSE FOR CHILDREN" ETC. AND DESIGN.** PRINTED BOOKS PUBLISHED FROM TIME TO TIME. Registered Oct. 19, 1926. THE BOOK HOUSE FOR CHILDREN, Chicago, Ill., a corporation of Illinois. Renewed Oct. 19, 1946. Class 38.

219,664. **CHAPPIES.** BOYS' TROUSERS. Registered Oct. 19, 1926. SAM ROSENBAUM & SONS COMPANY, doing business as Kalamazoo Pant Company. Renewed Oct. 19, 1946, to Kalamazoo Pant Company, Kalamazoo, Mich., a corporation of Michigan. Class 39.

219,671. **"BLEACH PROTECTIVE AND FINISHING CREAM" AND DESIGN.** FACE CREAMS. Registered Oct. 19, 1926. LEIGH CHEMIST, INC., New York, N. Y. Renewed Oct. 19, 1946, to Shulton, Inc., Hoboken, N. J., and New York, N. Y., a corporation of New Jersey. Class 6.

219,696. **CIROBAIN.** PERFUME PREPARATION FOR THE BATH. Registered Oct. 19, 1926. GUY T. GIBSON, INCORPORATED. Renewed Oct. 19, 1946, to Parfums Ciro, Inc., New York, N. Y., a corporation of Delaware. Class 6.

219,741. **GOLDEN CIRCLE.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. Registered Oct. 26, 1926. REDLANDS CO-OPERATIVE FRUIT ASSOCIATION. Renewed Oct. 26, 1946, to Redlands Cooperative Fruit Association, Redlands, Calif., a corporation of California. Class 46.

219,750. **MASTER.** FRESH CITROUS FRUIT. Registered Oct. 27, 1926. MAGNOLIA CITRUS ASSOCIATION, Porterville, Calif., a corporation of California. Renewed Oct. 26, 1946. Class 46.

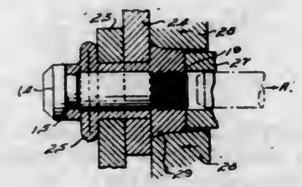
219,852. **YVONNE.** HOSIERY. Registered Oct. 26, 1926. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Oct. 26, 1946. Class 39.

219,899. **NU-TRI-CA.** BIRD FOOD. Registered Oct. 26, 1926. RUDOLF KRIETE, doing business as Old Bird Co. Renewed Oct. 26, 1946, to Ellie Polte, Kansas City, Mo. Class 46.

REISSUES

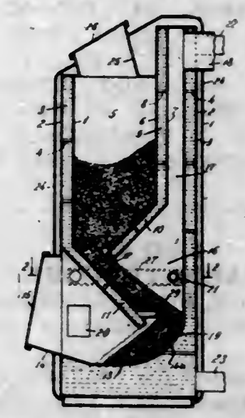
SEPTEMBER 17, 1946

22,792
RIVETED STRUCTURE AND METHOD OF MAKING THE SAME
Louis C. Huck, Grosse Pointe, Mich., assignor to Huxon Holding Corporation, Detroit, Mich., a corporation of Michigan
Original No. 2,061,628, dated November 24, 1936, Serial No. 627,343, August 3, 1932. Application for reissue April 2, 1945, Serial No. 586,243
43 Claims. (Cl. 218—19)



1. The method of riveting which comprises providing a tubular member for insertion through openings in a structure and projection beyond a side thereof, providing a pin for engaging the projected end of the tubular member and which is adapted to pass through the tubular member and beyond its other end, assembling the parts and inserting them in the structural openings, pulling the projecting end of the pin to form a head from the projecting part of the tubular member, and then continuing the pull to break the pin intermediate its ends, and locking the remainder of the pin and the tubular member adjacent the breaking point, prior to occurrence of the break.

22,793
BOILER
Leonard Satchwell, Slough, England
Original No. 2,340,431, dated February 1, 1944, Serial No. 463,735, October 29, 1942. Application for reissue January 17, 1946, Serial No. 641,851
7 Claims. (Cl. 122—30)



1. A grateless boiler for burning solid fuel under natural draught conditions, said boiler having an imperforate water floor, a plurality of water walls forming the sides of a fuel hopper within said boiler from which fuel gravitates to said floor to form a pile presenting two fuel faces, means for supplying primary air to one of said fuel faces, a secondary combustion space within said sides and above the other of said fuel faces and means for supplying secondary air thereto, means providing a path of limited area and of low resistance to the passage of primary air through the pile of fuel, and means for controlling the supply of secondary air in dependence on the supply of primary air.

PLANT PATENTS

GRANTED SEPTEMBER 17, 1946

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

710
APPLE TREE
Albert F. Etter, Ettersburg, Calif., assignor to George C. Roeding, Jr., Niles, Calif.
Application June 23, 1944, Serial No. 541,690
1 Claim. (Cl. 47—62)

A new variety of apple tree substantially as herein disclosed characterized by the size and shape of its fruit, which is comparable with the Baldwin, with flesh almost white and unusually tender, juicy and crisp.

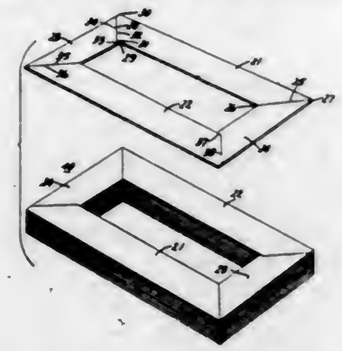
PATENTS

GRANTED SEPTEMBER 17, 1946

2,407,624
AQUEOUS SOLUTION OF RIBOFLAVIN
John Cecil Bird, Pleasantville, and Andrew Kuna, Douglaston, N. Y., assignors, by mesne assignments, to The William S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application May 9, 1944, Serial No. 534,826
2 Claims. (Cl. 167—81)

1. An aqueous solution of riboflavin having a concentration of riboflavin higher than that obtainable in water alone and containing a water-soluble alkali metal salt of gallic acid in an amount sufficient to substantially increase the solubility of the riboflavin in said aqueous solution.

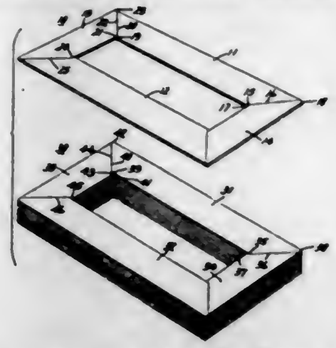
2,407,625
MAGNETIC CORE
Frederick F. Brand, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 30, 1942, Serial No. 470,578
12 Claims. (Cl. 175—356)



1. A magnetic core comprising a plurality of layers of assembled laminations formed lengthwise from strip material having the most favorable magnetic direction lengthwise of the strip, adjacent laminations of each layer having substantially mitered butt joints between ends so that a minimum of flux at the joints will pass crosswise of the most favorable magnetic direction, said mitered butt joints being displaced from diagonals running from inside corners to the outside corners of the assembled laminations at at least two corners of the assembled laminations, the remaining butt joints being substantially coincident with said diagonals, said layers of laminations being oppositely arranged so that a displaced joint of one layer will be staggered from an adjacent joint coincident with said diagonals of a contiguous layer so as to provide overlapping at said joints of adjacent laminations of contiguous layers.

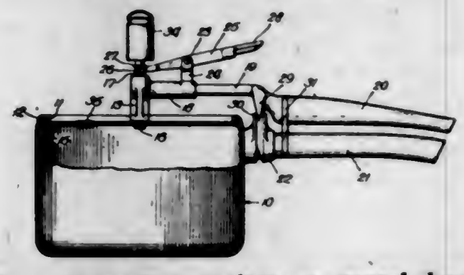
2,407,626
MAGNETIC CORE
Alanson U. Welch, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 30, 1942, Serial No. 470,580
16 Claims. (Cl. 175—356)

1. A magnetic core comprising a plurality of layers of assembled laminations formed lengthwise from strip material having the most favorable magnetic direction lengthwise of the strip, said layers including at least four assembled laminations with diagonal butt joints at adjacent



ends, said layers having at least two dissimilar symmetrical laminations with each of said laminations having edge surfaces in six planes, edge surfaces in four of said planes forming the edges for said butt joints of said laminations.

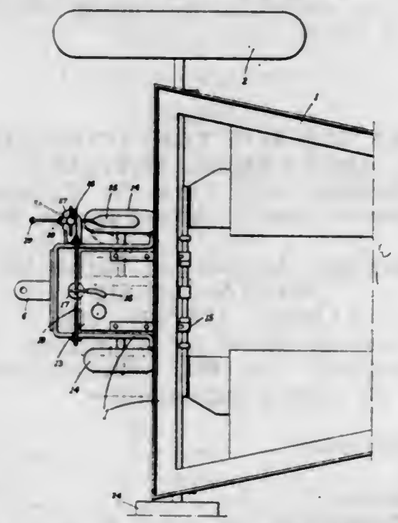
2,407,627
PRESSURE COOKER
James Harvey Chandler, Oak Park, Ill., assignor to Ekco Products Company, a corporation of Illinois
Application August 12, 1943, Serial No. 498,347
3 Claims. (Cl. 220—25)



1. In a pressure cooker, a vessel having an opening through which contents of the vessel may be admitted or discharged, a downwardly facing seat within the vessel surrounding said opening, means engageable with said seat to seal said opening including a flexible closure member having an annular portion extending peripherally beyond the area thereof corresponding to the area of said opening and adapted to be temporarily flexed into a shape enabling its passage through said opening toward and away from a position wherein said closure engages said seat, a rigid yoke member having contact faces presentable toward upper surface portions of the closure in downwardly advanced position relative to the central portion of the yoke against which diametrically opposite upper surface portions of the closure located inwardly from its annular portion may be drawn upwardly to flex the closure into a shape enabling its passage through said vessel opening when the central portions of said yoke and closure are in vertical alignment, means for maintaining said central portion of the yoke and said central portion of the closure in vertical alignment including a stem fixed to and projecting upwardly from the central portion of the closure, said yoke and stem being connected for relative movement axially of said stem between

an advanced position wherein said closure is placed under strain by said contact faces of the yoke to flex the closure into a shape enabling its passage through the vessel opening and an initial position wherein said closure is freed from strain to resume its normal unflexed shape, a handle having a forward portion fixed to said yoke and a rearward portion which projects laterally beyond the edge of the closure and about which a hand may be flexed into operative position to support the closure, a lever movable about an axis in fixed relation to said yoke and operatively engaging said stem for moving said stem from initial position to advanced position relative to said yoke, said lever having a free end operable in such proximity to the handle throughout the travel of the lever between initial and advanced positions of the stem relative to said yoke as to be within range of normal movement of the thumb of the hand operatively flexed about said handle whereby the lever may be operated to move said stem from initial position to advanced position relative to said yoke through the agency of pressure applied on said free end of the lever by said thumb.

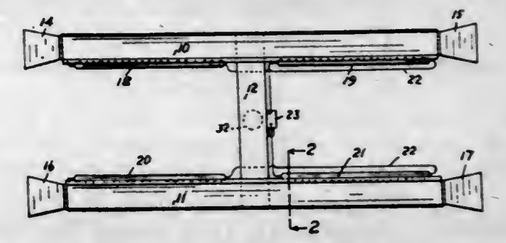
2,407,628
BEAD DISPENSER CONTROL
Donald H. Clark, Stockton, Calif.
Original application July 24, 1942, Serial No. 452,162. Divided and this application June 30, 1944, Serial No. 543,039
4 Claims. (Cl. 275—2)



1. In a road striping machine, a bead dispenser including road engaging wheels, the rotation of one of which controls the bead dispensing operation, means mounting the dispenser for lateral adjustment and independent lifting movement to raise the wheels clear of the ground, means to thus lift the dispenser, and a brake element adapted to be maintained in relatively fixed position above said one wheel to engage the same upon lifting of the dispenser irrespective of the laterally adjusted position of the dispenser.

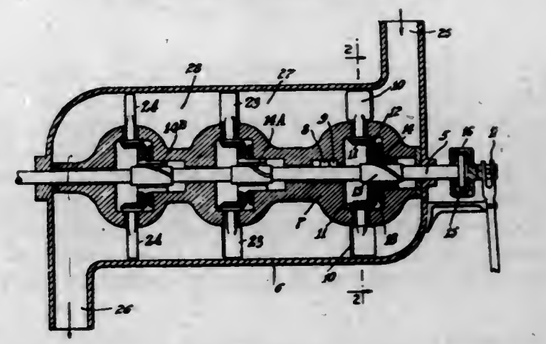
2,407,629
VEHICLE HOIST
William A. Courtenay, Jr., Chester, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application May 2, 1944, Serial No. 533,686
2 Claims. (Cl. 240—2)

1. A hoist for vehicles which comprises a pair of spaced runways normally supported on the ground floor for receiving a vehicle, means for elevating said runways, an electrical circuit including a power source and tubular lighting means, said lighting means being positioned in a confined space adjacent said runways and extending substantially the full length thereof, an explosion proof chamber, switch means in the circuit between said power source and said lighting means, said switch means being disposed beneath the ground floor and within said explosion



proof chamber, means between said switch means and said hoist operable to actuate the switch and close the circuit from the power source to the lighting means when the hoist has been elevated to a predetermined height.

2,407,630
SUPERCHARGER
Leon Dewan, Arverne, N. Y.
Application November 19, 1942, Serial No. 466,121
2 Claims. (Cl. 230—114)

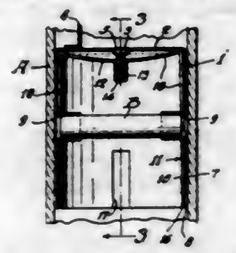


1. A supercharger for an aeroplane engine comprising a casing having an air inlet and an outlet member adapted to be connected to the engine air inlet, a series of air compressors in said casing, said compressors being spaced from each other to form air pressure chambers and each compressor having a plurality of radial blades, the blades of the compressor nearest the air inlet of the casing having the highest pitch and the blades of the compressors behind having a successively decreasing pitch, and mechanism including a control member and a blade turning means actuated thereby for adjusting the pitch of said blades, the action of said mechanism being such that the pitch adjustment of the compressor blades is greater for the blades of greater pitch.

2,407,631
PISTON
Roger W. Dexter and Peter L. Loewe, Chicago, Ill.
Application March 12, 1945, Serial No. 582,200
14 Claims. (Cl. 309—10)

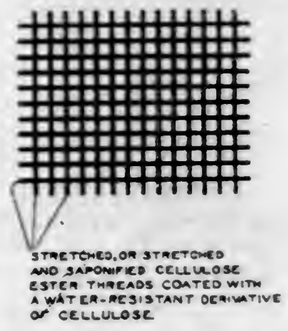
1. In a piston structure, a piston shell having a closed end wall and an open end, and means for varying the effective outside diameter of the piston shell, including an inner cylindrical shell having an end wall adjacent to the end wall of the piston, at least one of said end walls being

concavo-convex, and means for variably urging said end walls together, and for thereby varying



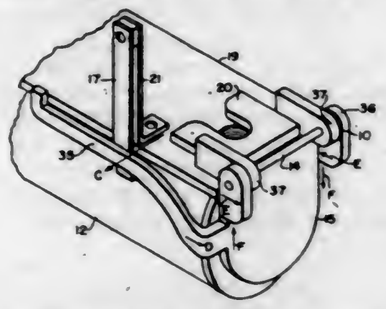
the effective diameter of said concavo-convex end wall.

2,407,632
SCREENING MATERIAL
Camille Dreyfus, New York, N. Y.
Application November 11, 1944, Serial No. 563,092
17 Claims. (Cl. 28—80)



1. A window screen comprising an open mesh fabric woven of threads of heavy denier, said threads being selected from the group consisting of stretched organic acid ester of cellulose yarns and stretched and saponified organic acid ester of cellulose yarns and carrying a coating comprising a water-resistant derivative of cellulose in an amount of at least 100% on the weight of the stretched organic acid ester of cellulose yarns.

2,407,633
RETARDED RELAY
Louis W. Droel, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 15, 1943, Serial No. 494,769
5 Claims. (Cl. 175—372)



1. In a non-locking relay, an L-shaped heel-piece, a magnet mounted on said heel-piece, an L-shaped armature comprising an operating arm and a pivot pin, a yoke having bearing holes thru which said pivot pin extends, means for securing said yoke to said heel-piece thereby pivotally securing said armature to said heel-piece to complete the magnetic circuit including the core of said magnet, said heel-piece and said armature, a spring mounted on said heel-piece and normally tensioned against said operating arm to create a torque or twisting action between said armature bearing pin and the bearing holes in said yoke thereby preventing vibration of said armature from external causes while in normal position, and said spring also frictionally retarding the operating and releasing movements of said armature without maintaining or locking said armature in any operated position to make said armature somewhat slower to operate and to release.

2,407,634
SHOCK ABSORBING AERIAL TOWLINE
Richard C. du Pont, Granogue, Del., assignor, to All American Aviation, Inc., Wilmington, Del., a corporation of Delaware
Application April 5, 1943, Serial No. 481,824
14 Claims. (Cl. 244—3)



1. In a system for changing the velocity of an object, an object subject to motion, a body with respect to which said object has relative motion, a tapered synthetic plastic line gradually increasing in diameter from one part to another part, said line having the characteristics of high tensile strength, relatively great percentage elongation with long elastic memory, whereby the different parts of said line throughout its length act along different parts of the loading-unloading curves when the line is subjected to sudden pull, thereby obtaining maximum energy dissipation over a wide loading range.

2,407,635
PREPARATION FOR TREATING LAUNDERABLE FABRIC ARTICLES
Herman Engler, New York, N. Y., assignor to Paul Koletzko and C. Alfred Hands, New York, N. Y.
No Drawing. Application August 16, 1944, Serial No. 549,812
1 Claim. (Cl. 106—208)

A preparation useful in laundering, comprising substantially the following proportions by weight of the named ingredients:

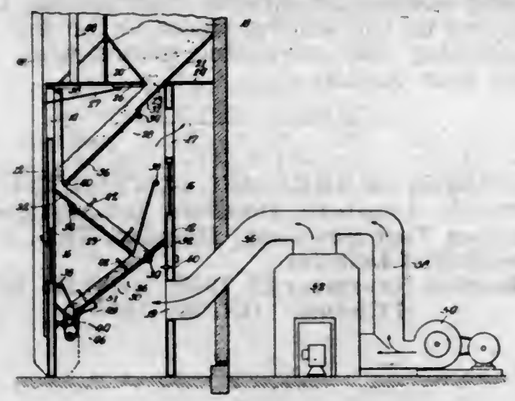
	Pounds
Gum tragacanth	¼
Glycerine	3
Sodium borate	½
Emulsified solution	1

said emulsified solution being composed of:

	Pounds
Gum tragacanth	⅛
Pectin	⅛
Glycerine	1
Total water in excess of about	20

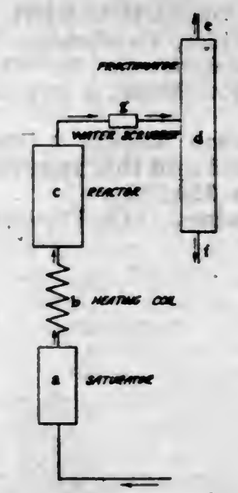
2,407,636
DRIER
Kyle Engler, Fayetteville, Ark., Edgar L. Barger, Ames, Iowa, and Arthur H. Thompson, deceased, late of Fayetteville, Ark., by Rebecca George Thompson, administratrix, Fayetteville, Ark., assignors to board of trustees of the University of Arkansas, Fayetteville, Ark.
Application May 12, 1944, Serial No. 535,240
5 Claims. (Cl. 259—180)

1. In a drier, a tower, a series of vertically spaced inclined trays therein one of which has its lower end adjacent the tower wall, another having its lower end adjacent the next lower tray bottom, a grain-engaging member adjacent the lower end of a third tray, means for slidably adjusting the trays toward and from the elements



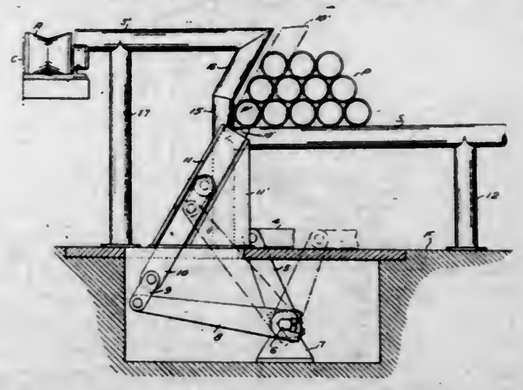
against which they discharge for regulating the depth of material therein, and means for adjusting the trays to vary their angle of inclination for maintaining uniformity of depth of the material on each tray.

2,407,637
PRODUCTION OF BRANCHED CHAIN ALKANES
Eric William Musther Fawcett, Sunbury-on-Thames, England, assignor to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation
Application October 30, 1941, Serial No. 417,097
In Great Britain October 2, 1940
6 Claims. (Cl. 260—683.5)



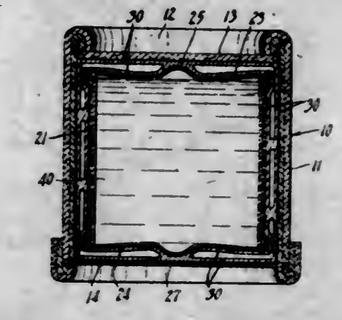
1. A continuous process for the production in the vapour phase of branched chain alkanes from a normal alkane feedstock by isomerization at a moderate reaction temperature and at a pressure in the range of atmospheric pressure to 50 atmospheres, consisting in contacting a stream of said normal alkane feedstock in the condition of vapour and at a selected vapourising temperature not substantially exceeding 132° C. with a solid unsupported aluminium halide to effect a continuous evolution and transfer of aluminium halide vapour from said solid unsupported aluminium halide to said stream, maintaining a flow rate of said stream at said selected vapourising temperature at which the concentration in said stream of aluminium halide transferred as vapour thereto does not exceed a concentration equivalent to the saturation pressure of said aluminium halide at said moderate isomerisation reaction temperature, contacting said stream with its content of aluminium halide vapour at said moderate isomerisation reaction temperature below 200° C., and in the presence of a small proportion of a hydrogen halide promoter, with a solid porous adsorbent contact material essentially free of aluminum halide in condensed form, and recovering the branched chain alkane product.

2,407,638
APPARATUS FOR DELIVERING ELONGATED CYLINDRICAL ARTICLES
Martin S. Gettig, Poland, and Harold E. Engelbaugh, Youngstown, Ohio, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio
Application August 14, 1945, Serial No. 610,802
7 Claims. (Cl. 214—8.5)



1. Apparatus for consecutively delivering elongated cylindrical articles from a bundle thereof comprising horizontally inclined article supporting means, horizontally inclined delivery means extending forwardly therefrom but at a higher level with their rear ends overhanging the supporting means, stops adjacent the forward ends of the supporting means for arresting movement of the articles as they roll down the latter, rearwardly inclined guides depending from proximate the rear ends of the delivery means, laterally spaced lifters reciprocal in paths parallel to the guides, and means for reciprocating the lifters from a position in which their upper ends are below the level of the supporting means to one in which they are above the level of the rear ends of the delivery means to thereby lift an article to the level thereof from the supporting means.

2,407,639
CONTAINER AND METHOD OF MAKING SAME
Frank Gilbert, Jr., Olmsted Falls, Ohio
Application May 4, 1942, Serial No. 441,649
8 Claims. (Cl. 93—36)



1. A method of rendering a container of fibrous material substantially impervious and of increas-

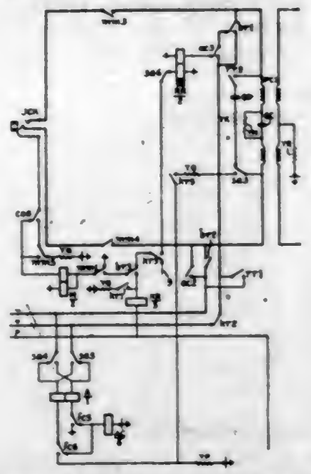
ing the rigidity of said container comprising the steps of placing in an outer shell of fibrous stock a quantity of liquid filler which is normally substantially solid, inserting an inner shell of fibrous stock in said outer shell while said filler is liquid to extrude said filler between the walls of said shells, and then allowing said filler to solidify.

2,407,640

TELEPHONE OR LIKE SIGNALING SYSTEM

Charles Gillings and Charles Edmund Beale, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., a corporation of Delaware

Application September 18, 1943, Serial No. 502,885
In Great Britain October 30, 1942
11 Claims. (Cl. 179—18)



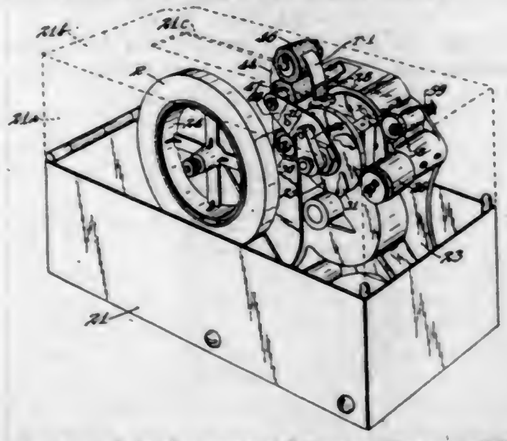
1. In a telephone system having two offices connected by a trunk line, a plurality of sources of alternating current of different frequences at one of said offices, means at said one office for successively transmitting over the trunk line a plurality of alternating current impulses, each composed of one or more of said frequencies, to transmit a digit, each impulse having a part in determining the digit value, and means at the other office responsive to said impulses for effecting a numerical switching operation in accordance with the digit value of said impulses.

2,407,641

ADHESIVE TAPE DISPENSER AND APPLIER

Arthur A. Anderson, Rose Township, Ramsey County, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application January 10, 1945, Serial No. 572,223
10 Claims. (Cl. 216—29)



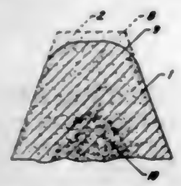
1. In an object-powered pressure-sensitive adhesive tape dispenser and applier, means for withdrawing tape from a roll and advancing it towards the applying position, means for severing the tape prior to application, and means responsive to motion of an object to which tape is being applied for directly transmitting power furnished by the moving object to the said tape withdrawing and advancing means while such object is in motion.

2,407,642

METHOD OF TREATING CUTTER TEETH

Robert W. Ashworth, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware

Application November 23, 1945, Serial No. 630,251
6 Claims. (Cl. 76—108)



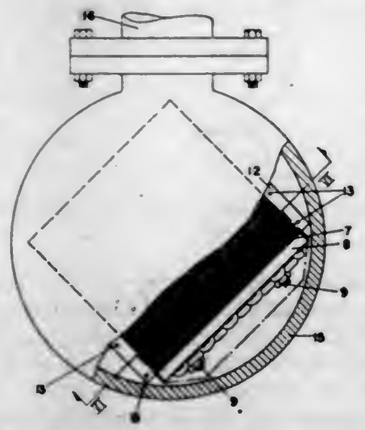
1. In the forming of teeth upon a drill cutter the steps of machining the teeth to produce narrow crests thereon, carburizing said teeth whereby massive carbides are concentrated along the sharp corners thereon, rounding off the crests and corners of said teeth to remove some of said massive carbides from said corners and resist the development of strains in heat treatment, and heat treating to harden said cutter in the usual manner.

2,407,643

APPARATUS FOR SUBMARINE SIGNALING

Laurence Batchelder, Cambridge, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware

Original application August 2, 1939, Serial No. 287,974. Divided and this application August 3, 1940, Serial No. 350,326
10 Claims. (Cl. 177—386)



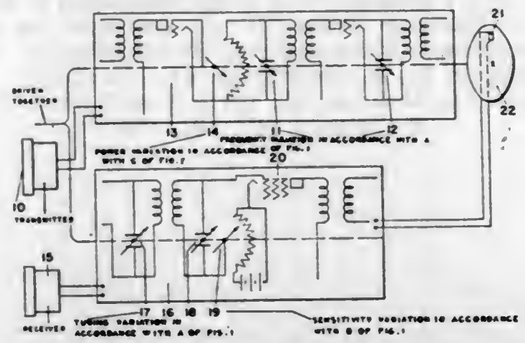
1. In a system for collision prevention for ships of the type wherein compressional wave signals are transmitted and signals reflected from a distant object are received, the combination with the hull of a vessel of a compressional wave device having a continuous, plane, active surface area having a horizontal dimension greater than the wave length of the waves at the signaling medium and whose vertical height decreases substantially linearly from a finite value at a center line to zero at both sides thereof, means for vibrating said surface with a uniform amplitude and for uniformly responding to vibrations of said surface and means for mounting said device on said vessel with said center line and said surface vertical and orthogonal to the fore and aft line of the vessel.

2,407,644

RANGING SYSTEM

Hugo Benioff, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware

Application July 29, 1940, Serial No. 348,127
9 Claims. (Cl. 177—352)



9. A method for obstacle detection and distance measurement comprising sending out periodically signals linearly modulated in frequency and decreasing in amplitude from an initial maximum value to zero according to a determinable curve, receiving said signals sent out at a time interval later than the end of the transmitted signal, increasing the sensitivity of reception and varying the tuning thereof linearly according to said curve but in reverse progression from that employed in the transmission of the signal whereby the listening area is progressively swept away from the listening point, and indicating by the frequency of the received signal the distance being measured.

2,407,645

ALIPHATIC POLYCARBOXYLIC AMINO ACIDS AND PROCESS OF MAKING THEM

Frederick C. Bersworth, Verona, N. J., assignor to The Martin Dennis Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application June 21, 1943, Serial No. 491,669
10 Claims. (Cl. 260—534)

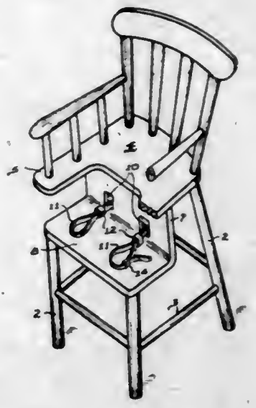
1. The process of preparing aliphatic polycarboxylic amino acids which comprises reacting an aliphatic amine having at least one replaceable hydrogen atom attached directly to an amino nitrogen atom, with an alkali metal cyanide and a formaldehyde-yielding substance under conditions sufficiently alkaline that there is substantially no hydrolysis of the said cyanide and in total amounts such that for each such replaceable hydrogen atom one molecule of said cyanide and one molecule of said formaldehyde-yielding substance are added during the reaction, while maintaining the amount of said free cyanide present in the reaction mixture at any one time at not more than about one quarter of the amount necessary to react completely with the original amine, and maintaining the amount of free formaldehyde-yielding substance present at any one time at less than one mol thereof per mol of said free cyanide present until substantial completion of the reaction of said amine has been effected, and removing ammonia from the reaction mixture so that substantially no free ammonia is present therein at any time during the reaction, and finally, after all the cyanide has been added, adding at least sufficient formaldehyde-yielding substance to react with any unreacted cyanide.

2,407,646

HIGH CHAIR

John W. Best, Arlington, Calif.

Application October 18, 1944, Serial No. 559,294
7 Claims. (Cl. 155—189)



7. In combination with a high chair as described having a depending frame below the front edge of its seat provided with clearance openings, and a lower forwardly extending foot rest; a continuous doubled adjustable strap or the like having looped limb-engaging portions extending forwardly through said openings above the foot rest, the middle portions of the double strap passing across the rear side of the frame between the openings, one of said portions being secured to the frame and the other portion being free for relative adjustment.

2,407,647

SYNTHETIC ORGANIC NONSOAP DETERGENT IN BAR FORM AND PROCESS OF MAKING SAME

John W. Bodman, Winchester, Mass., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine

No Drawing. Application August 14, 1940, Serial No. 352,519
8 Claims. (Cl. 252—121)

1. A process for making a coherent and coalescent bar of a normally non-liquid synthetic organic non-soap detergent compound having surface active properties, said bar having an aerated continuous mass of fine texture and firmness comprising subjecting a mass of a normally non-liquid synthetic organic non-soap detergent compound having surface active properties having a moisture content of less than about 35% to a temperature of the order of 100 to 200° F., working the mass in the presence of a compatible gas under pressure, and thereafter forming the mass into bars or cakes.

2,407,648

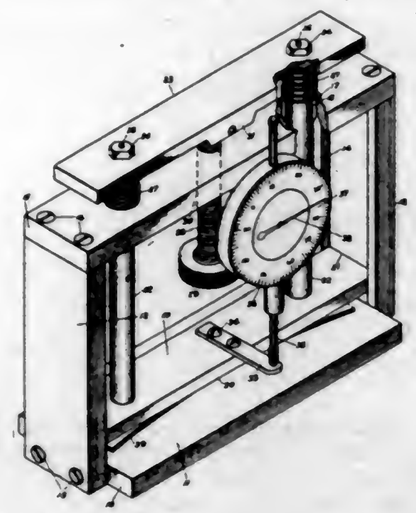
WARPAGE MEASURING MACHINE

Alfred A. Boehm, Jr., New York, N. Y.

Application March 16, 1945, Serial No. 583,142
1 Claim. (Cl. 33—147)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

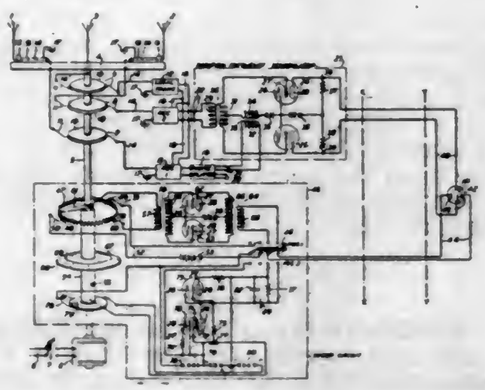
A machine for measuring warpage in a piece of warped semi-rigid material comprising a rigid

framework having a flat bedplate, a pair of spaced standards extending perpendicularly from the bedplate and a crossbeam extending between said standards and parallel to said bedplate and having guide portions therein, a crosshead parallel to said bedplate and extending between said standards, said crosshead being adapted for reciprocating movement between said crossbeam and bedplate, tongues on said crosshead for sliding within guide grooves cut in said standards to guide the crosshead during reciprocation, guide columns attached to said crosshead and extend-



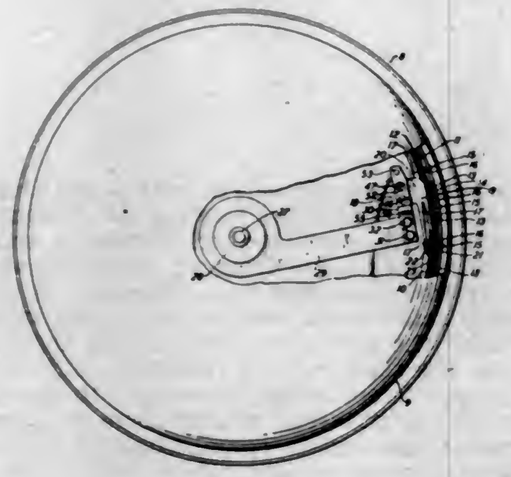
ing perpendicularly from said crosshead for reciprocating movement relatively to said guide portions within said crossbeam whereby said crosshead is further guided during reciprocation, said bedplate and said crosshead having opposed faces which are parallel at all times and adapted to contact opposite surfaces of the piece of material, and an indicator positioned to indicate the distance between the opposed faces of said bedplate and said crosshead whereby to indicate a measure of the warpage of the piece of warped material.

2,407,649
DIRECTION FINDING SYSTEM
Horace T. Budenbom, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1941, Serial No. 403,693
9 Claims. (Cl. 250—11)



1. A direction finder comprising a pair of electrically independent spaced antennas for obtaining separate radio frequency energies from an incoming wave, said antennas being positioned on a turntable, means for rotating the turntable, and producing a cyclically varying phase difference between the absorbed antenna energies, means connected to said antennas for obtaining a current representing the amount and sense of said phase difference, and means for comparing the phase angle of said current with that of a current representing a predetermined reference direction.

2,407,650
WIPER CONTACT FOR ELECTRICAL DEVICES
Joseph T. Butterfield, Summit, N. J., Harry M. Knapp, Flushing, N. Y., and Benjamin F. Runyon, Basking Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 21, 1943, Serial No. 507,140
3 Claims. (Cl. 201—56)

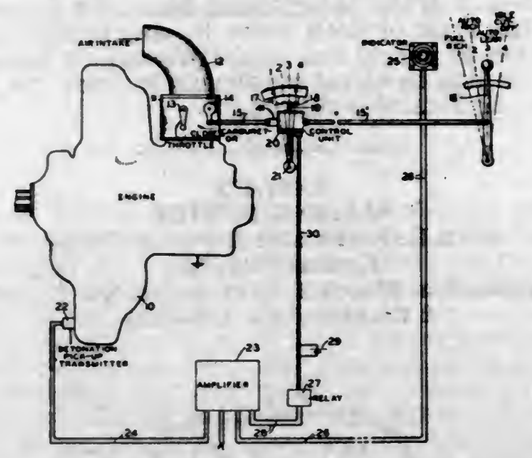


1. A wiper contact to frictionally traverse an electrical element, said wiper contact comprising an arm, a bendable bracket supported at one end on said arm, a reed-type conducting member secured at one end on the unsecured end of said bracket and having an unsecured end portion extending into contact with the electrical element, and said bracket having an aperture formed therein between the secured end of said bracket and said conducting member to provide a hold for means to be applied to said bracket to bend said bracket to change the pressure of said reed-type conducting member on the electrical element.

2,407,651
CONCENTRATING FLUORSPAR BY FROTH FLOTATION
Julius Bruce Clemmer and Ballard H. Clemmons, Tuscaloosa, Ala., assignors to the United States of America, as represented by the Secretary of Interior
No Drawing. Application November 1, 1944, Serial No. 561,458
18 Claims. (Cl. 209—166)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

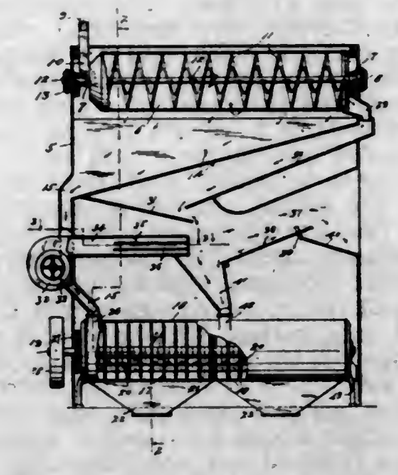
1. The process of concentrating fluorspar by froth flotation of pulps containing fluorspar values, comprising adding to such a pulp sodium fluoride, a lignin sulphonate, and a fluorspar collecting agent selected from the class consisting of fatty acids and soaps, and subjecting said pulp to froth flotation to recover the fluorspar.

2,407,652
DETONATION RESPONSIVE MEANS FOR CONTROLLING INTERNAL-COMBUSTION ENGINES
Philip J. Costa, Franklin Square, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Continuation of application Serial No. 446,070, June 6, 1942. This application February 28, 1944, Serial No. 524,170
20 Claims. (Cl. 123—119)



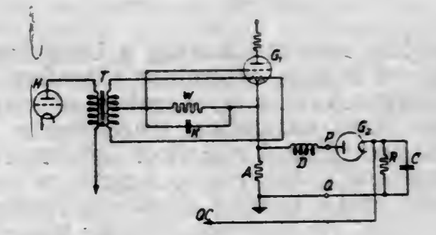
1. The combination of an internal combustion engine having means for controlling its working conditions of operation, a linkage system by which said controlling means is positioned, means for detecting detonation in the cylinders of said engine, and cyclic actuating means included in said linkage system for automatically operating the controlling means for the engine responsive to said detonation detecting means.

2,407,653
GRAIN CLEANER
Walter Earl Dempsey, Moose Jaw, Saskatchewan, Canada
Application February 12, 1944, Serial No. 522,165
1 Claim. (Cl. 209—12)



A grain cleaner for removing weed seeds from cereal grains comprising a plurality of duplicate rotatable screens with longitudinal openings of a width at least substantially as great as the diameter of the smallest normal grain to be recovered, means for feeding a mixture of grains and weed seeds into each screen to divide the same in each screen into two fractions, by transverse-diameter division, one of which, the "overs," is composed of grains and weed seeds of larger diameter and the other of which, the "thrus," is composed of grains and weed seeds of smaller diameter, a rotatable spiral conveyor in each screen, means for rotating each conveyor in the opposite direction from the direction of rotation of the screen to pass the mixture therein over the screen, a winnower, means for uniting the "overs" from the several screens and feeding the same through the winnower, a baffle board constructed and arranged to control the specific gravity division made in the winnower and reunite the material coming off the baffle board with the parent stream of "overs" gravitated through the winnower, a disc-separator, means for feeding the main stream "overs" from the winnower through the disc-separator, means for uniting the "thrus" from the several screens and feeding the same through the disc-separator, and means for reuniting the "thrus" and "overs" containing the desired grains after their separate treatment.

2,407,654
TELEVISION RECEIVER
Peter Deserno, Berlin, Germany; vested in the Alien Property Custodian
Application March 29, 1940, Serial No. 326,565
In Germany March 17, 1939
3 Claims. (Cl. 178—7.3)

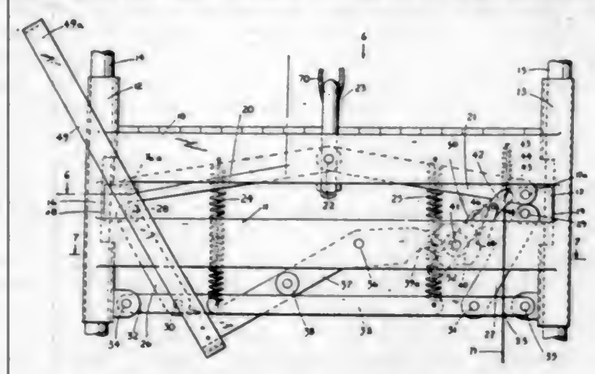


1. A device for regulating the amplitudes in television receivers by a voltage equivalent to the black value of the incoming signal voltage, which comprises means for rectifying a frequency mixture containing picture and synchronizing signals, said means including an output resistor having a positive and a negative terminal, a rectifier having an anode connected to said positive terminal and a cathode, a storage circuit combination comprising a resistance and a condenser connected in parallel, connections from one end of said combination to said cathode and from the other end of said combination to said negative terminal, and a choke device for removing the synchronizing signals from said frequency mixture, whereby the condenser is charged to a potential corresponding to said black value.

2,407,655
SCAFFOLD
Thomas G. Di Santi, Newark, N. J.
Application May 3, 1945, Serial No. 591,686
5 Claims. (Cl. 304—18)

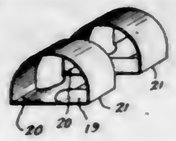
1. In a scaffold, in combination with a post, a sleeve slidable upon said post, a brake adapted to engage said post, a link having an end pivoted to said brake, an arm pivoted to said sleeve, said link having another end pivoted to said arm intermediate the ends of the arm, a frame element carried by said sleeve, a spring carried by said frame element and connected with said arm for

maintaining said brake in engagement with said post, a lever, and means connected with said lever



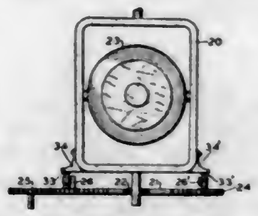
and engaging said arm for releasing pressure upon said brake when said lever is actuated.

2,407,656
BINDING ELEMENT
Charles Edward Emmer, Chicago, Ill., assignor to General Binding Corporation, Chicago, Ill., a corporation of Illinois
Application October 9, 1943, Serial No. 505,617
6 Claims. (Cl. 281—21)



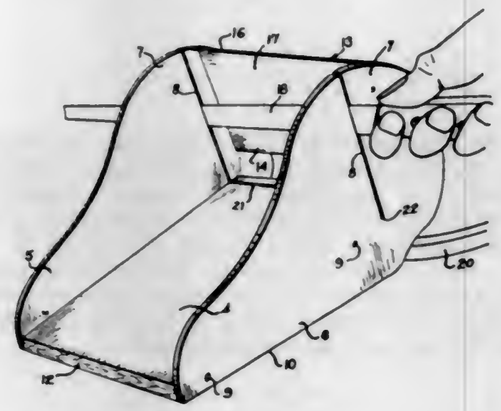
1. A binding element having a backbone, and a plurality of fingers extending therefrom, each of said fingers having a plurality of relatively light score lines extending transversely thereacross and providing a region of light score lines over substantially the entire length of each of said fingers, and a pair of relatively heavy score lines on said fingers extending transversely thereacross, one of said heavy score lines being substantially at the base of each of said fingers where it extends from said backbone and the other of said heavy score lines on each of said fingers being located in proximity of the tip of said finger, said fingers being arcuately curved throughout said region of light score lines and being sharply bent at each of said heavy score lines, and means for holding the tips of said fingers in close proximity to said backbone.

2,407,657
TRANSFORMER PICK-OFF
Orland E. Esval, Huntington, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 24, 1942, Serial No. 463,286
3 Claims. (Cl. 177—380)



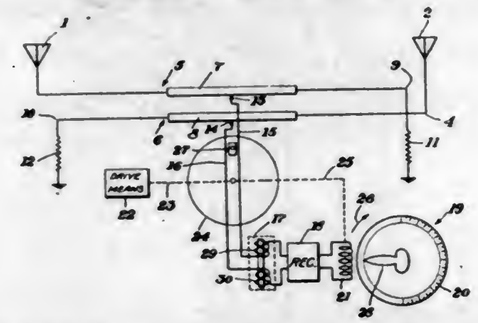
1. A transformer pick off producing a signal substantially proportional to the angular displacement of two relatively rotatable objects comprising a pair of magnetic cores mounted in diametrically spaced relation for movement with one of the objects each of which provides two separate open magnetic circuits, means for supplying an alternating m. m. f. to each of said circuits, a pair of permeable armatures having portions radially overlapping portions of said cores and mounted for movement with the other of the rotatable objects to differentially change the openings in the provided separate magnetic circuits, an output coil linking each of the magnetic circuits, means for connecting the coils of each core in opposition to produce an output signal that is phase sensitive to the sense of relative displacement of the objects, and means for connecting the coils of both cores in counterbalancing relation to cancel the respective signals induced therein due to radial movement between the two relatively rotatable objects.

2,407,658
SLICING DEVICE
John R. Fuchs and Alfred R. Fuchs, Kansas City, Mo.
Application March 1, 1943, Serial No. 477,590
2 Claims. (Cl. 146—150)



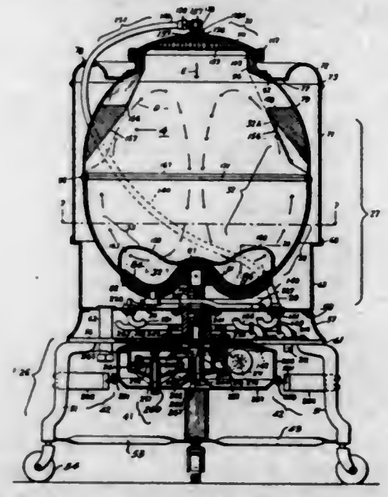
1. In a slicing device, an elongated bottom wall having a flat top face for supporting an object to be sliced, a pair of parallel side walls extending perpendicularly to said bottom wall and elongated lengthwise of said bottom wall and a flat faced stop wall mounted in fixed position relative to said bottom and side walls and extending perpendicularly thereto, said stop wall connecting and bracing said side walls, said side walls having a single slot therein parallel to and spaced from said stop wall the thickness of a slice to be cut from said object for guiding a cutting blade parallel to the flat face thereof, said stop wall extending between said side walls over the major portion of the height thereof to provide a flat supporting face for the major portion of the end of an object being sliced, said bottom wall extending under said stop wall and the bottom edge of said stop wall being spaced sufficiently from the top face of said bottom wall to permit passage of a slice edgewise through the discharge slot thus provided, said stop wall having its flat face inclined to the vertical to locate the upper end thereof vertically above a portion of said bottom wall lying in front of said discharge slot so that a slice engaging said stop wall will have a tendency to drop away from said stop wall toward said bottom wall, said side walls and bottom wall providing a slide way for said object and cut off slice, whereby a cut off slice deposited on said bottom wall upon moving said object away from said stop wall is directed through said discharge slot longitudinally of said device by return movement of said loaf toward said stop wall.

2,407,659
PHASE COMPARISON SYSTEM
Morton Fuchs, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 17, 1945, Serial No. 578,491
12 Claims. (Cl. 250—11)



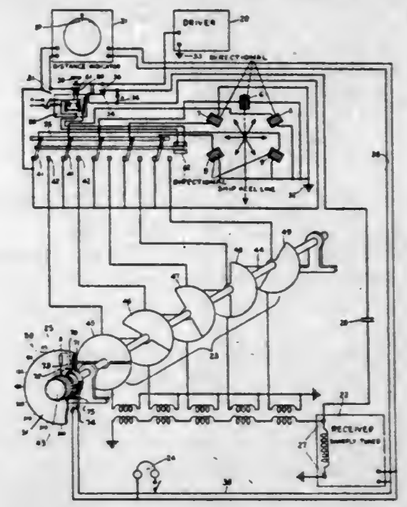
1. A system for comparing the varying phase of voltages present on respective transmission lines said lines terminating in their characteristic impedances, comprising, a translating device, circuit means coupling said transmission lines to said device, said circuit means having an input impedance relatively large compared to the transmission line impedance to voltages having a predetermined amplitude and phase relationship at the points at which said circuit means is coupled to the transmission lines and having a lesser input impedance to voltages at said points differing from said predetermined phase relationship, and means for variably controlling the phase of energy transferred between said lines and said circuit means.

2,407,660
WASHING MACHINE
George C. Graham, Ridgewood, N. J., assignor, by mesne assignments, to Graham & Allen, Ridgewood, N. J., a partnership composed of George C. Graham and Francis G. Allen
Application November 30, 1939, Serial No. 306,797
10 Claims. (Cl. 68—12)



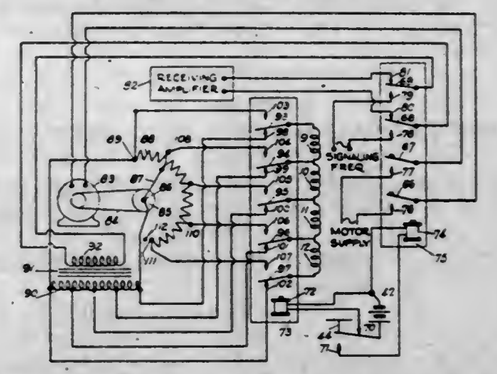
3. In a clothes washing machine, a plurality of operating means including means for washing the clothes, means for flushing the wash water from the clothes, means for rinsing the clothes, and means including said flushing means for drying the clothes, control means to cause said washing, flushing, rinsing and drying to occur in succession automatically, and means for manually operating one of said plurality of operating means independently of the automatic control means.

2,407,661
SUBMARINE SIGNALING DEVICE
Bertram M. Harrison, Newton Highlands, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application April 26, 1940, Serial No. 331,804
8 Claims. (Cl. 177—386)



1. A system for sound detection comprising, in combination, a sound pickup device composed of units each having individual similar directive beam patterns with the axes thereof in spaced selected directions, and together having a substantially uniform pattern in the whole desired listening sector, a plurality of electrical circuits, one for each of said units having means for tuning the circuits substantially in accordance with said beam pattern at a chosen listening frequency, said last means for each unit being displaced in tuning phases one from the other by amounts corresponding to the spacing of the beam axes, control means for the common operator for the tuning, and means operatively connected to said electrical circuits for producing an indication of the sound picked up by said units corresponding to the direction from which it is received.

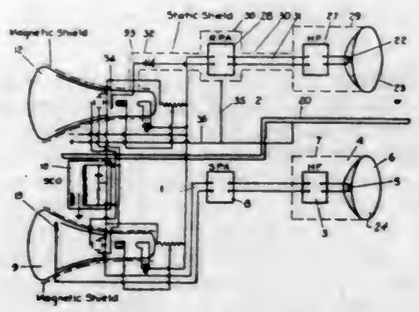
2,407,662
METHOD AND APPARATUS FOR SUBMARINE SIGNALING
Harold M. Hart, Cambridge, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application July 22, 1939, Serial No. 285,902. Divided and this application July 8, 1940, Serial No. 344,345
13 Claims. (Cl. 177—386)



1. Apparatus for echo ranging with compressional waves including means for transmitting a

compressional wave signal to produce a beam pattern having a maximum energy concentration in one direction and a plurality of subsidiary maximum energy concentrations in angular directions different from that of said main maximum and means for receiving reflected wave energy including a device having a beam pattern having greatest response in the direction of the main transmitted maximum and having subsidiary maximum response sensitivities in directions substantially different from the directions of the subsidiary maxima in the beam pattern of the transmitted impulse.

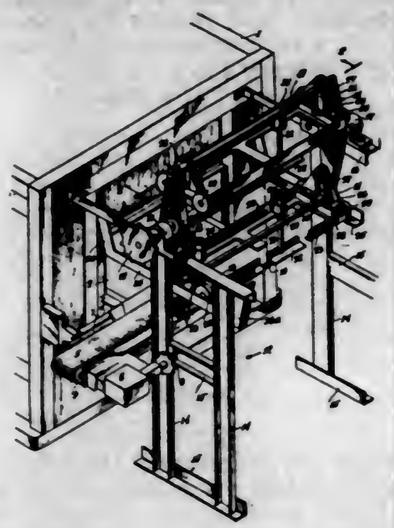
2,407,663
METHOD AND MEANS FOR DISTANCE AND DIRECTION FINDING
Robert Winfield Hart, Lynn, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application January 24, 1939, Serial No. 252,598
6 Claims. (Cl. 250—1)



1. A system for measuring distance by the use of electromagnetic waves in which the distance is measured by the time interval elapsing between the instant of transmission of the wave and its receipt after reflection from the object whose distance is to be measured comprising sending and receiving systems electrically shielded from one another, said systems each including a cathode ray tube and means operatively connecting the same to transmitter and receiver elements respectively, a sweep circuit operatively connected to said tubes for synchronizing the rotation of the cathode ray beam in both tubes, means positioned in the sending tube and operatively associated with the cathode ray beam thereof for controlling the instant of emission of a wave impulse by said sending system and means positioned in the receiving cathode ray tube and operatively associated with the cathode ray beam thereof for indicating the instant of receipt of a wave impulse by said receiving system.

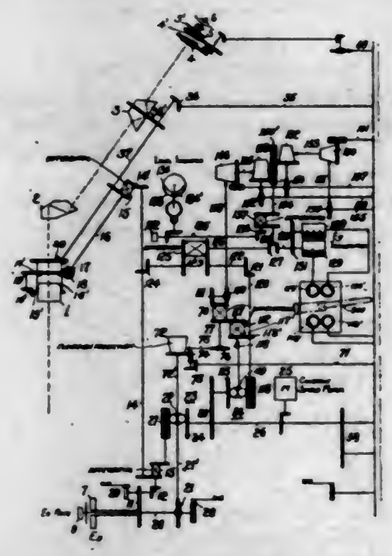
2,407,664
TRANSFERRING DEVICE FOR ANNEALING LEERS
Gordon W. Herrold, Connellsville, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application June 15, 1944, Serial No. 540,507
25 Claims. (Cl. 198—31)

1. In a device of the class described, the combination of a truck including a member for engaging and moving an article, means for rotating said truck with said member in an orbit about an axis, a track above the member on which the truck runs, and means forming part of the track for moving said member away from said article



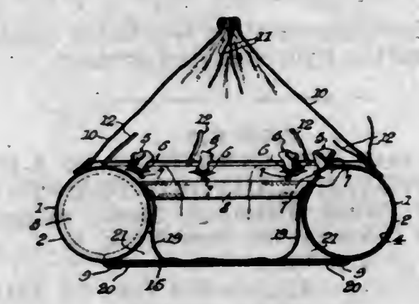
while continuing the movement of said rotating means.

2,407,665
AIRCRAFT FIRE CONTROL COMPUTER
Carl G. Holschuh, Wood-Ridge, N. J., and David Fram, Brooklyn, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 1, 1940, Serial No. 349,336
6 Claims. (Cl. 235—61.5)



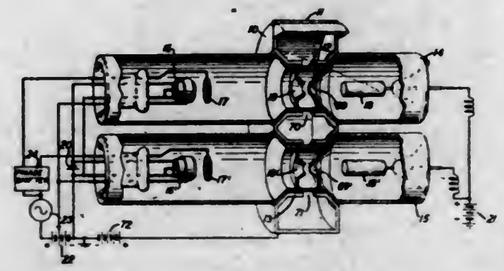
1. Apparatus for compensating for the effect of wind on a shell fired from an airplane mounted gun comprising sighting and computing means for determining a line of fire to a target which consists of gun elevation and gun azimuth angles, means positioned according to indicated air speed, resolving means actuated thereby and according to the indicated gun azimuth angle for obtaining a measure of component airspeed in a direction perpendicular to the vertical plane of the gun axis, means providing a measure of target range, a mechanism actuated in acordance with the elevation angle of the gun in said plane and said measures of component wind and range for computing a windage correction to the azimuth aiming angle of the gun, means for regulating the windage correction in proportion to deviation of the airplane from a level course, and means automatically correcting the azimuth angle for the gun relative to the line of sight in accordance with said regulated windage correction.

2,407,666
BOAT
Cresson H. Kearny, United States Army, Fort Clayton, C. Z.
Application March 27, 1943, Serial No. 480,880
2 Claims. (Cl. 9—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A boat comprising a body member including a central opening and adapted to be inflated, an outer flexible bottom member attached to a lower portion of said body member and arranged to become taut upon the inflation of said body member and an inner member adapted to carry a load and attached to an upper inner side of said body member, said inner member extending into said central opening in said body member and engaging said bottom member whereby the torque produced by a load on said outer bottom member tending to twist the body member in one direction is balanced by the torque produced by the load upon the inner member tending to twist the body member in an opposite direction.

2,407,667
HARMONIC GENERATOR
Reymond J. Kircher, Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 30, 1941, Serial No. 412,927
10 Claims. (Cl. 250—36)

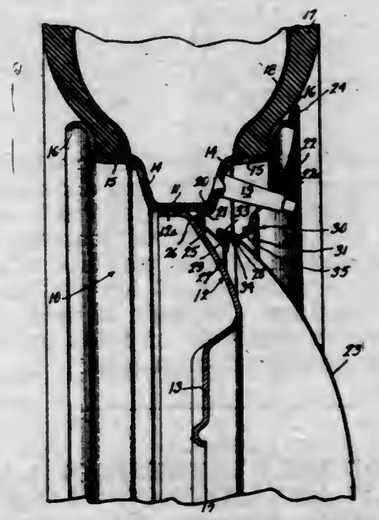


1. In a frequency changer, a source of waves of a given fundamental frequency, means to initiate and maintain a plurality of beams of charged particles, means for impressing density variations upon each of said beams in accordance with the fundamental waves in unlike phases, a resonator tuned to a multiple of the fundamental frequency, and means actuated in common by said beams to energize said resonator at the resonant frequency thereof.

2,407,668
FIRE RESISTANT COATING COMPOSITION
Martin Leatherman, Hyattsville, Md.
No Drawing. Application June 20, 1942, Serial No. 447,871
10 Claims. (Cl. 260—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

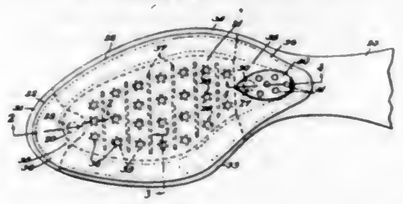
9. A composition of matter as described, comprising polymeric material from the group consisting of n-butyl methacrylate polymers and the ethyl, methyl, and propyl ester polymers of acrylic and methacrylic acids; plasticizing material from the group consisting of tricresyl phosphate, triphenyl phosphate, dibutyl phthalate and chlorinated diphenyls; polymeric material from the group consisting of polyvinyl chloride polymer and vinyl chloride-vinyl acetate copolymer the quantity of material from this group being at least equal to that of the first mentioned group; at least one solvent from the group consisting of acetone, mineral spirits, xylol, butanol, ethanol, isobutanol, toluol, naphtha, and Stoddard solvent; zinc carbonate in proportion roughly equal to about 40% by weight of the vinyl polymeric material; inert pigment; and a small quantity of fungicidal material, said plasticizing and solvent materials being in quantity to produce the desired consistency.

2,407,669
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application November 1, 1943, Serial No. 508,462
7 Claims. (Cl. 301—37)



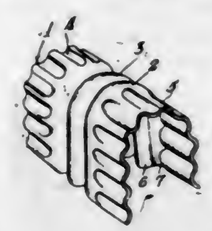
1. As an article of manufacture, a multi-part, unitary cover assembly including an outer annular cover portion, a central circular hub cap simulating cover portion and a retaining annulus disposed therebetween and arranged for retaining engagement with said cover portions to maintain the same as a unitary circular structure, said retaining annulus including a portion arranged to overlie the radially inner margin of said annular cover portion and a portion arranged to retainingly engage an intermediate part of said central circular hub cap simulating cover portion to maintain the parts together, said central circular hub cap simulating cover portion including a generally axially inwardly extending, resilient, portion arranged for detachable engagement with a part of the wheel structure with which it is associated.

2,407,670
RESILIENT INSOLE
Meyer Margolin, Elgin, Ill.
Application July 8, 1940, Serial No. 344,414, which is a division of application Serial No. 272,364, May 8, 1939, now Patent No. 2,319,818, dated May 25, 1943. Divided and this application May 22, 1943, Serial No. 487,986
4 Claims. (Cl. 36—3)



1. A resilient insole comprising a resilient central forepart area, a flap formed integrally with said resilient central forepart area, independent edge stiffening means carried by said flap.

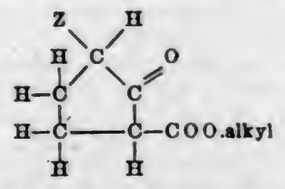
2,407,671
GUIDEWAY FOR SLIDING WINDOWS
Pierre Mesnel, Colombes, France; vested in the Alien Property Custodian
Application August 2, 1939, Serial No. 287,893
In France August 5, 1938
3 Claims. (Cl. 296—44.5)



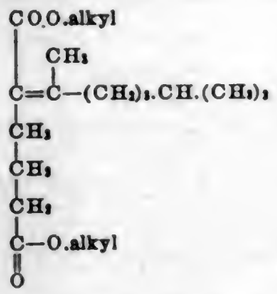
1. A contour guideway for sliding windows and the like, comprising an elongated channel shaped sheet metal strip formed at intervals along its length with sets of contiguous transversely extending folds and on at least one side of each set of folds with a plurality of longitudinally extending corrugations, the ends of said corrugations adjacent to said sets of folds terminating contiguous to the related outer fold.

2,407,672
PROCESS FOR THE SYNTHESIS OF 1-ALKYL-8-METHYL HEXAHYDROINDANONE-4
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 20, 1941, Serial No. 399,040
10 Claims. (Cl. 260—468)

10. Process of producing a compound of the formula



wherein Z represents a substituent of the group consisting of hydrogen and a monovalent aliphatic hydrocarbon radical, which comprises reacting an alpha-bromoadipic acid alkyl ester with methyl isohexylketone under conditions to yield a compound of the formula

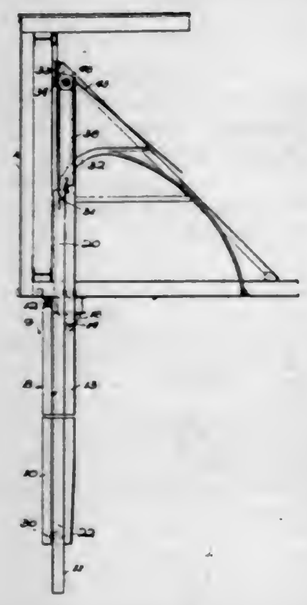


catalytically hydrogenating the latter compound, and cyclizing the hydrogenated product.

2,407,673
PROCESS FOR THE SYNTHESIS OF 1-KETO-8-METHYLHEXAHYDROINDANOL-1
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 20, 1941, Serial No. 399,041
8 Claims. (Cl. 260—468)

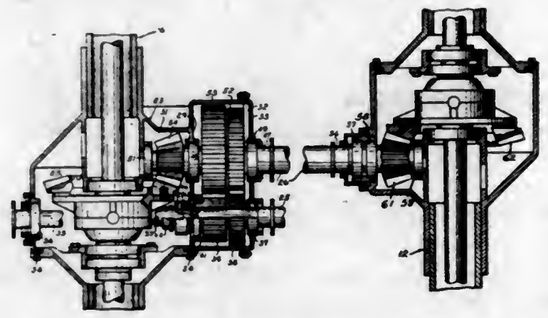
1. Process which comprises the step of halogenating 2 - methyl - 2 - carboethoxy-cyclohexanone-1 to the corresponding 6-halogen derivative and replacing the 6-halogen of said derivative by a group having the formula —O—R, in which R is a member of the group consisting of alkyl and aryl.

2,407,674
DOOR AND OPERATING MEANS THEREFOR
David H. Morgan, Youngstown, Ohio
Application January 22, 1945, Serial No. 573,912
14 Claims. (Cl. 160—184)



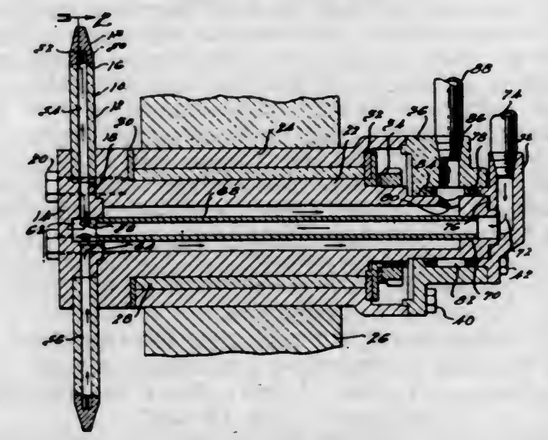
2. A door comprising an upper leaf pivoted for swinging movements between substantially vertical and substantially horizontal positions, a lower leaf coupled to said upper leaf for vertical sliding movements with respect thereto and for swinging movements therewith, and pivot means for said lower leaf disposed in offset relationship to the pivot of said upper leaf.

2,407,675
VEHICLE DRIVE AXLE GEARING
Mathew B. Morgan, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application September 8, 1942, Serial No. 457,654
3 Claims. (Cl. 74—326)



1. In a vehicle, a drive axle, a motor driven propeller shaft section disposed substantially at right angles to said axle and extending forwardly and rearwardly thereof, axle drive mechanism including a drive shaft at one side of the axle in substantially parallel relation with one end of said propeller shaft section, housing structure for said axle drive mechanism supported on the axle and journalling the other end of said propeller shaft section at the opposite side of the axle, said housing structure having a lateral extension providing a gear chamber, in opposite side walls of which chamber said drive shaft and propeller shaft section are journalled, gearing within said chamber for transmitting power at reduced speed from said propeller shaft section to the drive shaft including change speed gears loosely mounted on said propeller shaft section, and a manually shiftable member keyed to said propeller shaft section within the housing to selectively connect said gears in driving relation with said propeller shaft section.

2,407,676
WELDING MECHANISM
Alexander L. Munson, Detroit, Mich.
Application January 3, 1944, Serial No. 516,749
1 Claim. (Cl. 219—4)

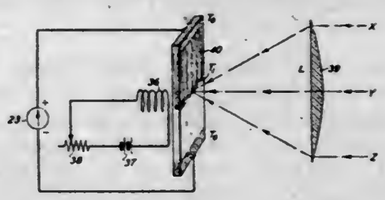


In a seam welder wheel, a body, a work engaging rim secured to the periphery of said body, said wheel having an annular coolant passage therein which is located adjacent the work engaging surface of the rim, and means for circulating coolant through said passage including a plurality of radially extending circumferentially distributed inflow passages and a corresponding plurality of radially extending circumferentially distributed outflow passages, said inflow and outflow passages opening into said annular passage in circumferentially alternate relation to each other.

2,407,677
PROCESS OF SEPARATING CARBAZOLE FROM CRUDES THEREOF
John O'Brochta and Hugh Rodman, Jr., Pittsburgh, Pa., assignors, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
No Drawing. Application September 4, 1943, Serial No. 501,310
1 Claim. (Cl. 260—318)

In a process of separating carbazole from anthracene cake in the "fusion" method, the improvement comprising: mixing and agitating the anthracene cake, in the absence of a solvent-diluent, with solid potassium hydroxide while heating the mixture to a temperature sufficiently high to fuse the anthracene cake but preventing the temperature from rising above 235° C., whereby, the carbazole in the fused cake reacts with the potassium hydroxide to form potassium carbazolate in solid crystalline form, formation of pitchy decomposition products is prevented, and water formed by the reaction is evaporated; and thereafter separating by filtration the potassium carbazolate crystals from the resulting liquid mass.

2,407,678
THERMOELECTRIC SYSTEM
Russell S. Ohl, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application April 11, 1942, Serial No. 438,645. Divided and this application March 25, 1943, Serial No. 480,460
9 Claims. (Cl. 73—359)

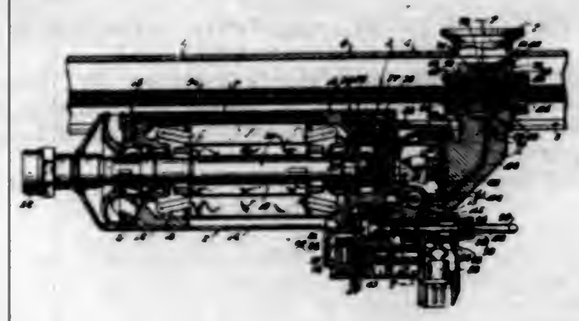


3. A thermoelectric system comprising a thermoelectric device including a piece of P-type silicon, a piece of N-type silicon, means intimately joining said two pieces of silicon and electrical terminals connected to said pieces of silicon respectively at surface areas removed from said junction between the two pieces, means to produce a heat bias at the junction between the two pieces, means to direct radiation to be detected on said junction, and means connected to said electrical terminals for indicating the thermoelectric power developed by said device.

2,407,679
DRILLING APPARATUS
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application December 21, 1942, Serial No. 469,646
6 Claims. (Cl. 255—45)

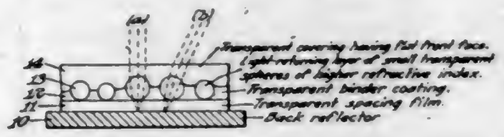
1. In a drilling apparatus, a drilling motor of the rotary type, means for supporting and guiding said drilling motor for movement relative to its work, and means for feeding said drilling motor along said supporting and guiding means, said

feeding means including a feed screw extending longitudinally of said supporting and guiding means, a fluid actuated feeding motor fixed with respect to said drilling motor as regards relative longitudinal movement and having a rotatable



member directly subjected to the action of an operating fluid and threadedly engaging said feed screw, means for supplying operating fluid to said feeding motor, and means responsive to the torque load on said drilling motor for controlling the supply of operating fluid to said feeding motor.

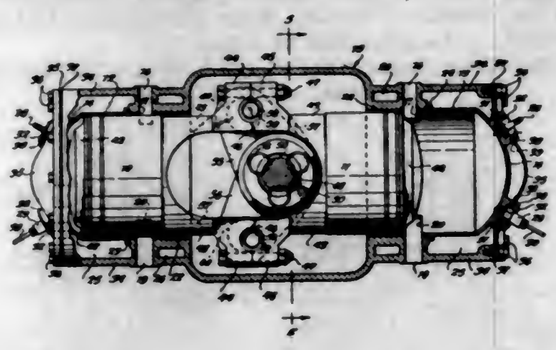
2,407,680
REFLEX LIGHT REFLECTOR
Philip V. Palmquist, New Canada Township, Ramsey County, and Bert S. Cross and George P. Netherly, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application March 2, 1945, Serial No. 580,590
24 Claims. (Cl. 88—82)



1. A reflex light reflector comprising a light-returning layer of small transparent spheres, internal light-reflecting means underlying said spheres and positioned in optical connection with the back extremities thereof so as to produce reflex reflection, and a continuous overlying transparent solid covering united and conforming to the front extremities of said spheres and having a flat front face; said spheres having a refractive index at least 1.15 times that of said transparent covering.

2,407,681
INTERNAL-COMBUSTION ENGINE
Joseph S. Parenti, Buffalo, N. Y.
Application November 16, 1942, Serial No. 465,644
17 Claims. (Cl. 123—56)

5. An engine having oppositely disposed pistons and provided at their adjacent portions with oppositely spaced legs, means for securing the legs of one piston to the legs of the other piston for rigidly securing said pistons to each other, a shaft extending between the legs of said pistons, rocker arms arranged about said shaft, one of said rocker arms being connected with said piston at one side of said shaft and the other rocker arm being connected with said piston at the other side of said shaft, to cause reciprocation of said pistons to swing said arms about said shaft, and means for operatively connecting one of said arms to said shaft during the power stroke of one piston and for operatively connecting the other arm to said shaft during the power stroke of the other piston, said means disconnecting



said arms from said shaft when their pistons move in their compression strokes.

2,407,682
TERMINAL WEIGHT
William M. Poz, United States Navy, Park Ridge, N. J.
Application May 15, 1945, Serial No. 593,899
2 Claims. (Cl. 294—82)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

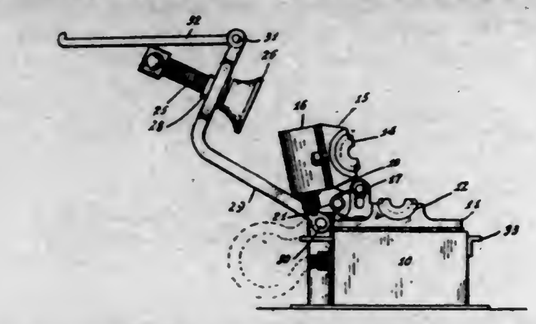


1. A terminal weight for cargo handling equipment comprising an integral tension carrying bar, a substantially cylindrical pipe surrounding said bar, and substantially flat caps fitted into the ends of said pipe and having slots through which said bar extends, the portions of said bar extending beyond said caps being apertured to enable cargo whips and cargo hooks to be secured to said bar, the space in said pipe between the inner wall thereof and said bar being filled with heavy material.

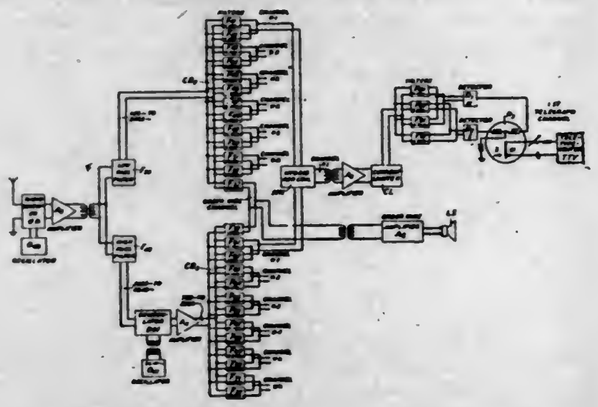
2,407,683
CABLE SPLICE VULCANIZING MOLD
William G. Prentice, Indianapolis, Ind.
Application August 14, 1944, Serial No. 549,398
2 Claims. (Cl. 18—18)

1. A splice vulcanizing mechanism comprising two elongated mating jaws each formed to provide an elongated splice-receiving cavity, an elongated trunnion movable in a plane normal to the mating plane of said jaws and disposed parallel to said cavities, one of said jaws being mounted for swinging movement on said trunnion, means for guiding and limiting the movement of said trunnion, spring means disposed to urge said trunnion away from the other of said

jaws and permitting tilting movement of said trunnion, and means for applying pressure substantially to the center of said one jaw to urge said one jaw toward said other jaw.



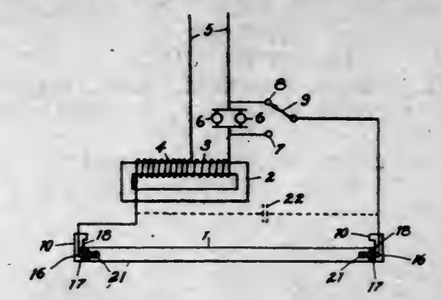
2,407,684
RADIO COMMUNICATION SYSTEM
Leland C. Roberts, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 1, 1944, Serial No. 566,079
7 Claims. (Cl. 250—9)



1. A radio communication system comprising in combination means for producing and transmitting frequency diversity signals having frequency separations between corresponding diversity signals, a receiving station having a single antenna for receiving said signals, common demodulating means for demodulating all of the received signals, means for preparing said demodulated signals for selection on the basis of their amplitudes, said means including first filtering means for separating one group of the frequency diversity signals, second filtering means for separating another group of the frequency diversity signals, and means for reducing the frequency separations between corresponding diversity signals, said last-mentioned means comprising special demodulating means for shifting the frequencies of the signals in one of said groups to positions in the frequency spectrum nearer to but different from the frequencies of the corresponding signals in the other of said groups.

2,407,685
FLUORESCENT LIGHT CONTROL
Corrie F. Rudolph, Washington, D. C.
Application August 3, 1943, Serial No. 497,275
8 Claims. (Cl. 315—62)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A voltage control for a gaseous discharge tube having a negative resistance temperature coefficient, comprising in combination with a gaseous discharge tube having a negative resistance temperature coefficient, an inductive device and an incandescent lamp having a positive resistance temperature coefficient for the purpose of providing starting and running voltages for said tube, said inductive device being provided with primary and secondary windings arranged so that the primary winding will react upon the

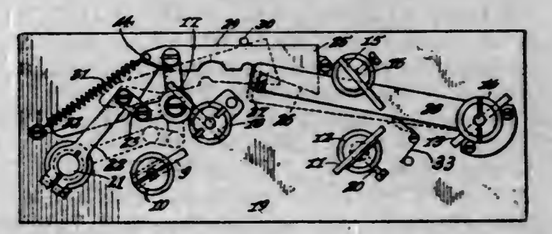


secondary winding during starting to produce necessary starting voltages and the secondary winding to react upon the primary winding during running to counteract the inductance of the primary winding plus D. C. resistance of the primary winding and thereby produce full line voltage on the incandescent lamp for the purpose of obtaining full illumination from the incandescent lamp and consequent reduction in overall stroboscopic effect.

2,407,686
SULPHANILAMIDE DERIVATIVES AND METHOD OF PREPARING SAME
Simon L. Ruskin, New York, N. Y., assignor to Frances R. Ruskin
No Drawing. Application April 21, 1943, Serial No. 483,946
9 Claims. (Cl. 260—209)

1. Sulphanilyl adenylic acid.

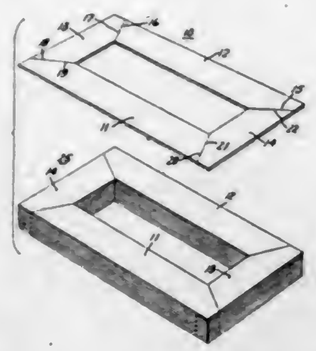
2,407,687
RANGE FINDER
Morris Schwartz and William Castedello, Stamford, Conn., assignors to The Kalart Company, Inc., Stamford, Conn.
Application December 28, 1943, Serial No. 515,882
8 Claims. (Cl. 88—2.7)



1. Range finder of the type described comprising a stationary reflector, an adjustable reflector arranged to project an image of an object exterior to the range finder upon said stationary reflector, means for adjusting said adjustable reflector, and a reflector arrangement for projecting a second image of said object upon said stationary reflector, said reflector arrangement including three reflectors, the first one being placed in the direct path of the light travelling from the object toward the stationary reflector, the second and third reflectors being placed outside of the direct path of light travelling from the object toward the stationary reflector, the first reflector projecting the second image upon the second one, the second reflector projecting

the second image upon the third one and the third reflector projecting the second image upon the stationary reflector, the reflectors of said reflector arrangement being arranged to equalize the lengths of the optical paths between the adjustable reflector and the stationary reflector and between said first reflector of the reflector arrangement and the stationary reflector.

2,407,688
MAGNETIC CORE
Ivanhoe H. Sclater, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 30, 1942, Serial No. 470,579
7 Claims. (Cl. 175—356)



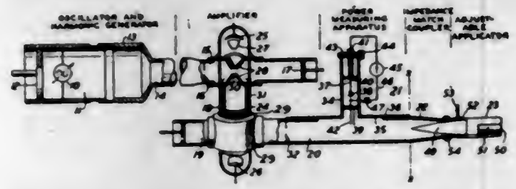
1. A magnetic core including a plurality of layers of assembled laminations formed lengthwise from strip material having the most favorable magnetic direction lengthwise of the strip, adjacent laminations having a diagonal butt joint at adjacent ends, with at least a major portion thereof being a straight line and running from the vicinity of the inner corner to the vicinity of the outer corner of the assembled laminations each of said laminations having a first joint edge surface at an angle of less than 45 degrees with a lateral axis of the assembled laminations and a second joint edge surface at the opposite end at an angle of less than 45 degrees with the longitudinal axis of the assembled laminations.

2,407,689
CHEMICAL PROCESS AND PRODUCT
Frank J. Soday, Baton Rouge, La., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application February 12, 1944, Serial No. 522,093
10 Claims. (Cl. 106—178)

1. A plasticized composition comprising a plasticizable organic substance and as a plasticizer therefor a carboxylic acid ester of a compound selected from the group consisting of indene halohydrines and alkyl indene halohydrines.

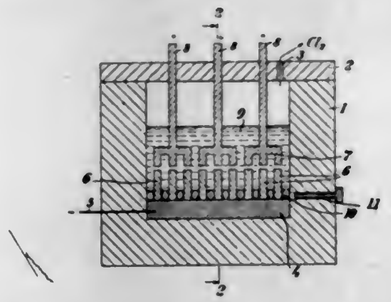
2,407,690
WAVE GUIDE ELECTROTHERAPEUTIC SYSTEM
George C. Southworth, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 16, 1941, Serial No. 393,756
14 Claims. (Cl. 128—422)

2. A system for transfer of electric oscillation energy comprising a source of electrical oscillations, a wave guide having an input portion connected to the source, an energy transfer element connected to another portion of the guide, the transfer element having a terminating dielectric core which may be projected within a zone to which oscillation energy is to be transferred, a



slidable electrically conducting sheath thereover to substantially enclose the core, and means whereby the sheath may be slid longitudinally to expose more or less of the core to control the amount of energy transferred from the dielectric to the surrounding zone.

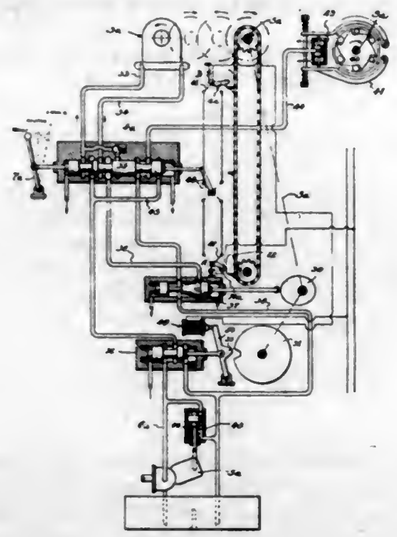
2,407,691
CELL FOR THE PRODUCTION OF METALS BY ELECTROLYSIS OF FUSED ELECTROLYTES
Robert Suchy and Georg Messner, Bitterfeld, Germany; vested in the Alien Property Custodian
Application March 24, 1939, Serial No. 263,878
In Germany April 8, 1938
3 Claims. (Cl. 204—247)



1. In a cell for the recovery of metals by the electrolysis of fused metal compounds, the arrangement of electrodes comprising a conductive substantially plane bottom, conductive separately movable cathode bars spacedly disposed on and in contact with said bottom so as to form trough-like spaces adapted to collect deposited metal between each other, above said cathode bars being disposed anode bars of the same cross section, and means for cathodically polarizing said conductive bottom.

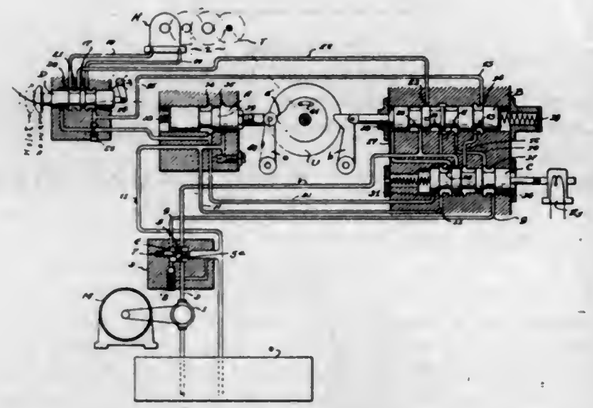
2,407,692
SAFETY CONTROL FOR HOISTS
Harry F. Vickers, Washington, D. C., assignor, by mesne assignments, to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application August 10, 1935, Serial No. 35,607
13 Claims. (Cl. 198—37)

1. In a conveyor system of the type adapted to move articles from a loading station to a delivery station, a conveyor for moving the articles, power actuating means for the conveyor, means associated with said power actuating means for controlling the direction of movement thereof, spaced article-sensitive means positioned adjacent said stations and operatively associated with said control means, and means operatively associated with said control means and said article sensitive means for normally effecting step by step movement of the power means and the conveyor dependent upon the respective loaded and unloaded condition of the article sensitive means



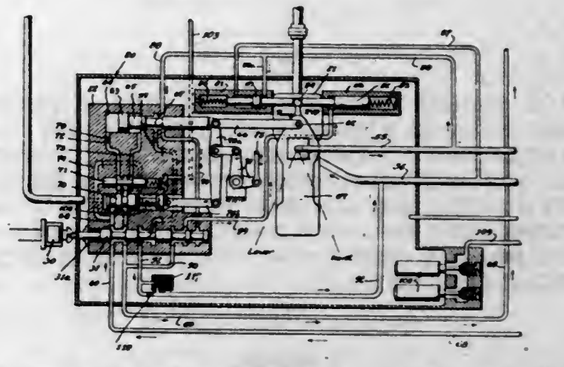
and also operative to normally stop the conveyor at the end of each cycle.

2,407,693
SAFETY CONTROL FOR HOISTS AND CIRCUIT THEREFOR
Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application December 3, 1936, Serial No. 114,008
15 Claims. (Cl. 198—37)



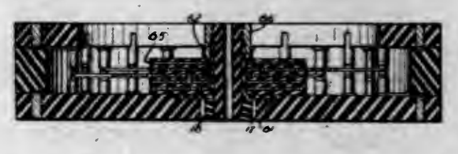
1. In a hydraulic actuating and control system for controlling the movements of an endless conveyor extending between spaced loading and delivery stations, a conveyer, a pressure source, a reversible conveyor motor having two ports interchangeable as pressure-exhaust ports, directional valve means for selectively directing liquid under pressure to said motor parts, a series of hydraulic conduits connecting said pressure source and said directional valve means, means for limiting the pressure in said conduits, a starting valve in said conduits adapted in one position to block flow of pressure liquid from said source and in another position to pass liquid from said source to said directional valve means, an actuating means for said starting valve, article responsive means at each of said stations to be influenced by the presence of an article at said stations and means operatively connecting said article responsive means and said directional valve means with said starting valve actuating means whereby said starting valve may be moved from its pressure blocking position only when the station toward which the conveyor will move is empty and the station from which the conveyor will move is loaded, a locking wheel operatively connected to said motor, a latch for engaging said wheel to lock said motor, and means connected to said latch and operated by pressure directed from said starting valve for disengaging said latch from said wheel to permit operation of said motor, said starting valve being arranged to direct liquid under pressure to operate said latch means only when said starting valve is shifted from its blocking position.

2,407,694
HOIST CONTROL AND DRIVE
Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application August 3, 1940, Serial No. 350,619
19 Claims. (Cl. 187—28)



1. In a hoisting mechanism and control, an elevating mechanism, a hydraulic motor for driving said mechanism, and a pumping circuit for furnishing liquid under pressure to drive said motor including a variable displacement pump, means on said pump shiftable to "hoist" or "lower" positions for controlling the direction and volume of flow, and means acting on said shiftable means to maintain it slightly toward a hoist position when the motor is not being operated.

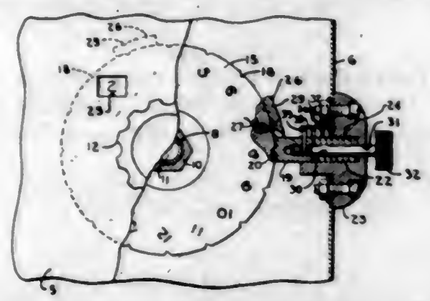
2,407,695
ROTOR
Wilfred C. Washcoe, Arlington County, Va.
Application August 24, 1944, Serial No. 551,053
6 Claims. (Cl. 173—328)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a device of the character described, a body member comprising a substantially continuous plate member with a recess in one face thereof having openings therein through said plate member and an axial extension from said recess, a peripheral wall for said plate member extending in the same direction as said axial extension, a plurality of input contacts having portions extending interiorly of said wall, a plurality of output contacts having portions extending interiorly of said wall, a bushing or the like having a disc like portion normally fitted within said recess in the plate member and a bushing proper nor-

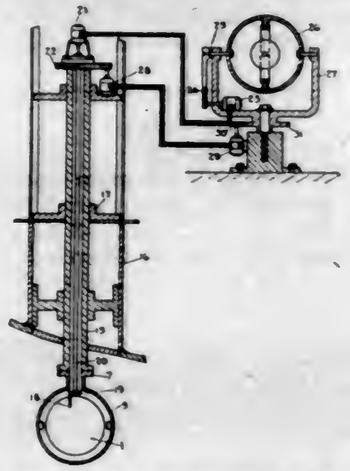
mally fitted over said axial extension, a connecting member comprising a ring positioned over the axial extension and two radial arms spring pressed into engagement with two of said interiorly extending contact portions.

2,407,696
DETENT MECHANISM
George C. Webster, United States Navy
Application June 7, 1945, Serial No. 598,190
9 Claims. (Cl. 74—527)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



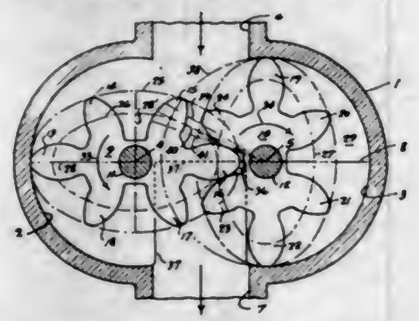
1. A detent mechanism including a peripherally notched disc, a shaft for rotatably supporting said disc, a stop member mounted on said disc, and a plunger engageable in one position with a notch and said stop member, in a second position with said stop member alone, and in a third position engageable with neither said stop member nor said notch.

2,407,697
APPARATUS FOR SUBMARINE SIGNALING
Robert Longfellow Williams, Newton, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application September 14, 1935, Serial No. 40,587
9 Claims. (Cl. 181—0.5)



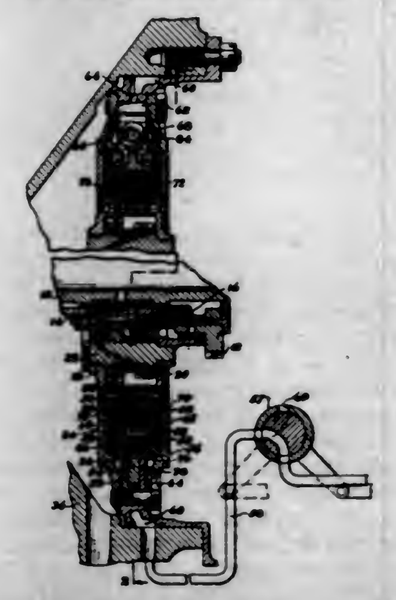
1. In a submarine signaling system, a submarine oscillator adapted to send and receive compressional waves in a direction substantially perpendicular to its radiating surface, means for mounting the oscillator on the vessel in a signaling position including a pivotal suspension along an axis perpendicular to said signaling direction and normally horizontal, the weight of the oscillator being distributed so as to bring its center of gravity sufficiently below said axis of suspension to form a compound pendulum, and means for immersing the entire oscillator in a liquid medium.

2,407,698
FLUID PRESSURE DEVICE
Francis W. Guibert, Beverly Hills, and Frederic B. Fuller, Whittier, Calif.; said Fuller assignor to said Guibert
Application May 8, 1944, Serial No. 534,578
5 Claims. (Cl. 121—70)



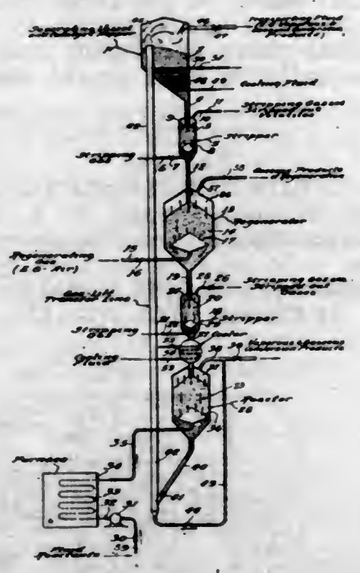
1. A toothed rotor structure for a fluid pressure device, having the following characteristics: two mutually perpendicular axes of symmetry intersecting at the center of rotation; there being six substantially uniformly spaced teeth on the rotor; there being a pitch line uniformly spaced from the ends of the teeth; the spaces between the teeth as measured along the pitch line having substantially the same width as the teeth; the curve enveloping the ends of the teeth being such that one axis of symmetry measured at the intersections with said curve is longer than the other axis of symmetry; the ratio of the lengths of the axes having a value with an upper limit of substantially two; the longer axis passing through the centers of two of the teeth; and the shorter axis passing through the center of the spaces between other teeth.

2,407,699
HYDRAULIC BRAKE
Henry C. Hill, Montclair, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application September 20, 1943, Serial No. 503,144
11 Claims. (Cl. 188—152)



1. In combination, relatively rotatable members having frictionally engageable surfaces, a piston-cylinder assembly for effecting clamping engagement of said surfaces upon the application of oil pressure thereto, and oil passage means from said assembly communicating with the space between said surfaces to provide for flow of said oil over said surfaces upon the application of oil pressure to said assembly such that clamping engagement of said surfaces is operative to shut off said flow of oil.

2,407,700
PROCESS FOR THE CONVERSION OF FLUID REACTANTS
Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 26, 1944, Serial No. 542,210
5 Claims. (Cl. 196—52)

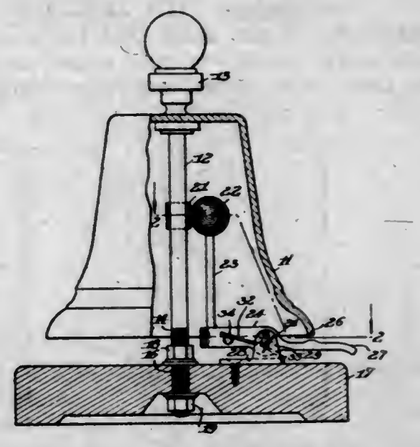


1. The process of converting fluid reactants in the presence of a mass of subdivided solid contact material which comprises directing the solid contact material downwardly in series from an uppermost separating zone through separate confined reaction and regenerating zones, maintaining a relatively compact bed of the solid particles in each of said zones and maintaining the downwardly moving solid particles in the form of a continuous relatively compact column extending uninterruptedly through and between said zones, the static pressure at the bottom of said column being substantially greater than the pressure in said uppermost separating zone, contacting the bed of solid particles in the regenerating zone with regenerating gas to remove therefrom deleterious contaminants accumulated in the reaction zone, contacting the bed of solid particles in the reaction zone with the fluid reactants to be converted and effecting their conversion therein, maintaining the pressure of the vaporous conversion products in said reaction zone greater than the pressure in said separating zone, separately removing fluid products of regeneration and fluid products of the conversion reaction from the respective regenerating and reaction zones and preventing any substantial commingling thereof, discharging the subdivided solid particles at said static pressure from the bottom of said continuous column into and suspending the same in a stream of transporting fluid comprising a portion of said vaporous conversion products, directing the suspended particles solely by the gas-lift action of said transporting fluid upwardly into said separating zone, the pressure of said vaporous conversion products in said reaction zone being sufficiently greater than the pressure in said separating zone to overcome the pressure drop of said transporting fluid during its flow from said reaction zone to said separating zone, separating said transporting fluid from at least a major portion of the subdivided solid particles and directing the latter downwardly as aforesaid through the contacting zones.

2,407,701
MANUFACTURE OF HALOGENATED HYDROCARBONS
David Gwyn Jones and Maddison Phillipson, Norton-on-Tees, England, assignors to Imperial Chemicals Industries Limited, a corporation of Great Britain
No Drawing. Application November 29, 1943, Serial No. 512,256. In Great Britain December 7, 1942
6 Claims. (Cl. 260—656)

3. A process for the production of a halogenated hydrocarbon by passing over a supported mercuric chloride catalyst at reaction temperature a gaseous mixture of a hydrogen halide and acetylene, said process being subject to diminished catalyst activity as a result of continued operation, which process includes the steps of interrupting the passage of the reaction mixture when substantial diminution of the activity of the catalyst has occurred, treating the catalyst to restore its activity by passing chlorine over it at an elevated temperature, and subsequently renewing the passage of the reaction mixture over the catalyst at reaction temperature.

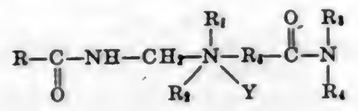
2,407,702
SOUNDING DEVICE
John A. Jowett, Scottsville, N. Y.
Application August 11, 1943, Serial No. 498,437
2 Claims. (Cl. 116—149)



1. A device of the character described comprising, in combination, a base, a bell having a lower lip, an element for supporting the bell from the base, a lever having a fulcrum on the base and having a manually actuated end extending beneath the lip, a striker attached to the opposite end of the lever, a spring normally urging said striker out of engagement with the bell, said bell being shiftable toward and from the base so that when shifted toward the base the manually actuated end of the lever will engage the lip of the bell under the influence of said spring to cut off the sounding of the bell after being struck.

2,407,703
AMINO AMIDE COMPOUNDS
Saul Kaplan, Rutherford, N. J., assignor to Onyx Oil & Chemical Company, a corporation of Delaware
No Drawing. Application April 10, 1942, Serial No. 438,433
6 Claims. (Cl. 260—404.5)

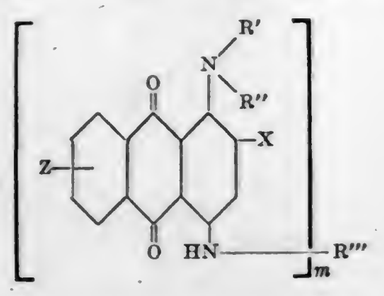
1. New amino amide compounds of the following general formula



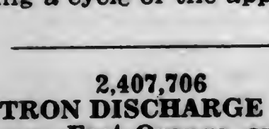
in which R is a hydrocarbon group containing more than 10 carbon atoms; R_1 is of the class consisting of (1) lower alkyl radicals, (2) alkylene radicals linked to R_2 by a carbon to carbon linkage and (3) alkylene radicals linked to R_2 through an oxygen atom; R_2 is of the class consisting of (1) lower alkyl radicals, (2) alkylene radicals linked to R_1 by a carbon to carbon linkage and (3) alkylene radicals linked to R_1 through an oxygen atom; R_3 is of the class consisting of (1) hydrogen, (2) lower alkyl radicals, (3) alkylene radicals linked to R_4 by a carbon to carbon linkage and (4) alkylene radicals linked to R_4 through an oxygen atom; R_4 is of the class consisting of (1) hydrogen, (2) lower alkyl radicals, (3) alkylene radicals linked to R_3 by a carbon to carbon linkage, and (4) alkylene radicals linked to R_3 through an oxygen atom; R_5 is an alkylene group and Y is a salt-forming anion.

2,407,704
ANTHRAQUINONE ACID DYESTUFF
Jean G. Kern, Orchard Park, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 1, 1944, Serial No. 516,728
16 Claims. (Cl. 260—346)

2. Anthraquinone acid dyestuffs of the 1,4-diamino-anthraquinone acid class, said dyestuffs, in the free acid form, corresponding with the formula:

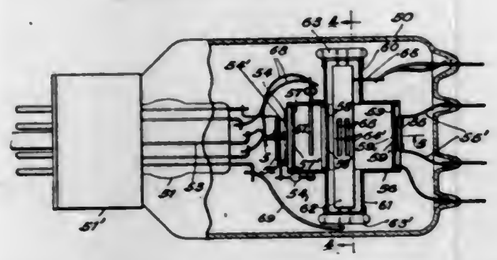


wherein R′ is a member selected from the class consisting of hydrogen and alkyl, aralkyl, cycloalkyl, aryl, hydroaryl, and heterocyclic radicals,
R″ is a member selected from the class consisting of hydrogen and alkyl, aralkyl, cycloalkyl, aryl, hydroaryl, and heterocyclic radicals,
X is a member selected from the class consisting of halogen, the carboxyl group and the sulfonic acid group,
Z is a member selected from the class consisting of hydrogen, the carboxyl group and the sulfonic acid group, at least one of X and Z being a carboxyl group or a sulfonic acid group,
m is one of the integers 1 and 2, and
R‴ is a member selected from the class consisting of heterocyclic o-biphenylene radicals corresponding with the following formula and their alkyl, alkoxy, aryl, halogen, and sulfo derivatives, attached through a nuclear carbon atom of the heterocyclic o-biphenylene radical to the nitrogen atom of the amino group represented by HN—:



wherein Y is a member of the class consisting of O, S, NH, N-alkyl, SO_2 and SO,
said dyestuffs being, in the form of the sodium salts, blue to green solids, soluble in water, and dyeing animal fibers and nylon from acid and neutral dye baths in level, bright blue to green shades.

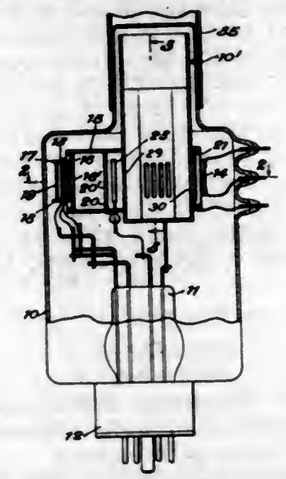
2,407,705
ELECTRON DISCHARGE DEVICE
George Ross Kilgore, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 24, 1942, Serial No. 440,298
19 Claims. (Cl. 315—12)



1. An electron discharge device having cathode means for providing a directed beam of electrons and an output electrode system for receiving said electrons, and means positioned between the cathode means and the output electrode system through which said electron beam is directed, and including a plurality of successive pairs of oppositely disposed deflecting elements between which the beam is directed, said elements being adapted to have an alternating control voltage of high frequency applied thereto, the spacing between the centers of the elements of different pairs being equal to the distance travelled by an electron during a cycle of the applied controlling voltage.

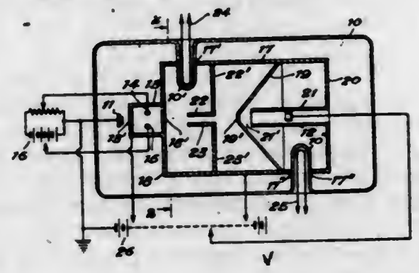
2,407,706
ELECTRON DISCHARGE DEVICE
Carl I. Shulman, East Orange, and George Ross Kilgore, Verona, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 30, 1942, Serial No. 445,118
16 Claims. (Cl. 250—27.5)

1. An electron discharge device having a cathode for supplying a beam of electrons and means for receiving said beam of electrons, a beam deflecting electrode system positioned between said cathode and beam receiving means and including an elongated hollow member having oppositely disposed apertures, through which the beam is to be directed, said apertures being aligned along an axis transverse to the longitudinal axis of said elongated hollow member, one end of said elongated hollow member being closed and the other end open, said open end being adapted to be coupled to a hollow wave guide, said elongated hollow member having deflecting



means positioned between said apertures on opposite sides of the beam path.

2,407,707
ELECTRON DISCHARGE DEVICE
George Ross Kilgore, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 24, 1942, Serial No. 440,299
19 Claims. (Cl. 250—27.5)

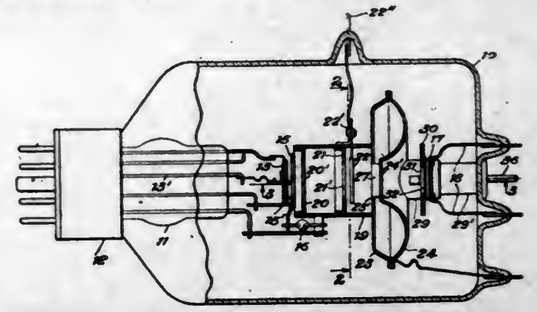


1. An electron discharge device having a cathode for supplying a beam of electrons, a collector for said electrons, a cavity resonator for containing an electromagnetic field having a resonant frequency and positioned between said cathode and said collector, said cavity resonator having an opening in the wall thereof through which said beam of electrons is to be directed, oppositely disposed deflecting electrodes positioned within said cavity resonator to lie within said electromagnetic field and between which said beam of electrons passes during operation of said electron discharge device, each of said deflecting electrodes being separate from and supported by and electrically connected to a different portion of the inside wall of said resonator, said resonator having a second opening in another part of its wall aligned with said first opening and across which said beam of electrons is deflected by said deflecting electrodes during operation of said electron discharge device.

2,407,708
ELECTRON DISCHARGE DEVICE
George Ross Kilgore, Verona, and Louis Malter, Newark, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application April 24, 1942, Serial No. 440,300
19 Claims. (Cl. 250—27.5)

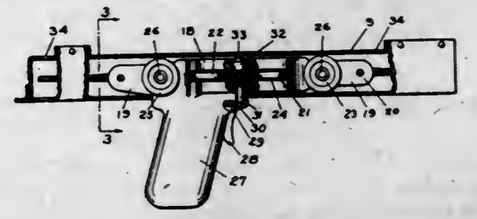
1. An electron discharge device having a cathode means for providing a beam of electrons and a collector for receiving said beam of electrons,

and means positioned between the cathode means and collector and including a hollow resonant conducting member extending transversely of the path of the beam between the cathode means and the collector and having opposed apertures in opposite walls thereof through which the beam is directed during operation of said electron discharge device, and a pair of deflecting elements within said hollow resonant conducting member each of which is separate from and extending transversely of the wall of said hollow resonant conducting member and is electrically connected



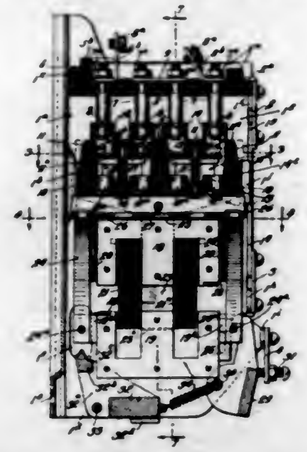
to an opposite wall of the hollow resonant conducting member next adjacent an aperture for deflecting the beam of electrons in its passage through the hollow conducting member, another portion of the wall of the hollow resonant conducting member having an aperture adapted to receive means for coupling the hollow resonant conducting member to an input circuit, and another portion of the wall of the hollow resonant conducting member having another aperture adapted to receive a tuning plunger for controlling the resonant frequency of the hollow resonant conducting member.

2,407,709
MANUALLY OPERATED ARRESTING HOOK
George W. Lescher, Garden City, and Walter H. Steet, Roosevelt, N. Y., assignors to Republic Aviation Corporation, a corporation of Delaware
Application August 10, 1937, Serial No. 158,274
6 Claims. (Cl. 244—110)



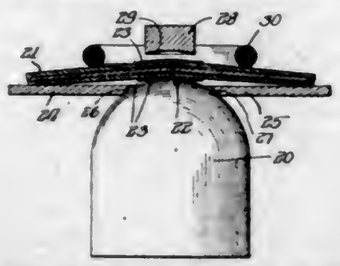
6. An airplane arresting gear comprising an arresting hook pivotally mounted upon the fuselage of the airplane and having an extension located on the opposite side of the pivotal mounting from the shank of said hook, a cable having its ends connected to said extension so as to rotate the hook in opposite directions about its pivotal mounting according to the direction of pull upon the cable, guides supporting said cable in the form of a loop, and a control member in circuit with said cable, said control member comprising a member adapted to reciprocate within a casing and having a hand grip extending beyond said casing the arrangement being such that movement of the reciprocable member in a direction forwardly of the airplane lowers the hook, means for locking said reciprocable member against movement in the casing and a trigger associated with the reciprocable member for actuating said locking means.

2,407,710
ELECTRIC SWITCH
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Original application November 6, 1941, Serial No. 417,990, now Patent No. 2,378,022, dated June 12, 1945. Divided and this application March 27, 1943, Serial No. 480,767
4 Claims. (Cl. 200—144)



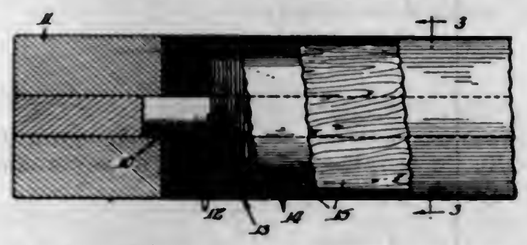
1. An electric switch comprising a fixed insulating support, a contact carried thereby and extending downwardly therefrom, a vertically movable insulating support below said fixed contact, a contact carried by said movable insulating support and adapted to engage said first named contact upon the upward movement of said movable insulating support, a vertically extending arc shield surrounding and spaced from said contacts throughout the length of the shield and fixed at its lower end to said movable insulating support and having openings at both of its ends, said movable support having an opening opposite the lower end of said arc shield for the free passage of gases therethrough and upward through the space between the arc shield and the contacts for extinguishing the arc upon the opening of the switch, and the downward movement of said insulating support and of said arc shield exposing fresh surfaces of the interior of said arc shield to the effects of the arc during the separation of the contacts in the opening movement.

2,407,711
METHOD OF BUILDING AND FORMING PLYWOOD PARTS
Harold J. Luth, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application May 20, 1943, Serial No. 487,704
5 Claims. (Cl. 154—110)



1. A method of constructing a plywood article on a convex form comprising cutting a plurality of parts of plywood in shapes necessary to form the article when fitted together, applying an adhesive to said parts, assembling a plurality of layers of said parts in a substantially flat arrangement with the parts extending radially from a point on said convex form, the edges of the parts of each layer being disposed in abutting relation adjacent said point, with said edges of the parts of one layer overlying the areas intermediate the edges of the parts composing an adjacent layer, clamping the adjoining ends of the plywood parts to the form at said point, moving the free portions of the parts transversely of the plane of their flat arrangement until they assume their proper positions composing the desired article, securing the parts together adjacent their clamped ends and compressing said parts compactly together during the setting of the adhesive.

2,407,712
SOLENOID
Harold J. Luth, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application June 11, 1943, Serial No. 490,421
5 Claims. (Cl. 175—21)



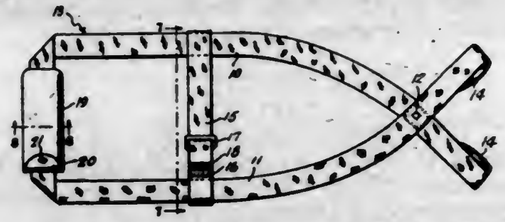
1. A solenoid comprising a core, an insulated winding thereon, means outside of said winding and surrounding it comprising a sheet of material impregnated with a heat-setting resin wound around the winding in layers, and a thin sheet of wood wound intermediate certain layers of said impregnated material and with its grain running parallel to the axis of the solenoid to reinforce the solenoid and operating to stiffen the solenoid and prevent bending thereof when said means has been subjected to heat to cause the resin to set.

2,407,713
ERYTHRINA ALKALOID AND ITS PRODUCTION
Randolph T. Major, Mountainside, and Karl Folkers, Plainfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application April 30, 1941, Serial No. 391,096
14 Claims. (Cl. 260—236)

1. In a process for the production of erythroidine from seeds and dried flowers of *Erythrina americana*, the steps comprising treating such plant parts with a solvent which removes the fatty oils inherent therein, extracting the treated material with alcohol, concentrating the alcohol extract, dissolving the residue thus obtained in acidulated water, weakly alkalinizing the resulting solution, and extracting erythroidine from the weakly alkaline solution with chloroform.

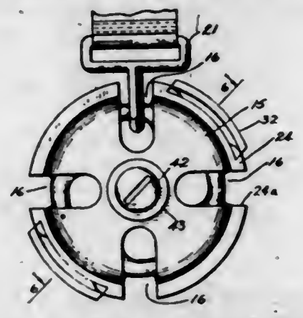
2,407,714
HUMAN CARRIER
William J. Maloney, Ansonia, Conn.
Application October 15, 1943, Serial No. 506,353
6 Claims. (Cl. 224—6)

1. A carrier of the character described comprising a flexible strap forming a loop of sufficient length to be passed across the shoulders of a person to be carried and side members passing under the arms of said person and secured together at the front to form another portion to pass over the shoulders of a second person, hand grips formed forwardly of the point the side members are secured together in position to be gripped by the second person when the loop is



in the carrying position over his shoulders, and an adjustable strap looped over the side members and shiftable along these members toward the person to be carried to retain him in the loop and in the opposite direction to permit his removal.

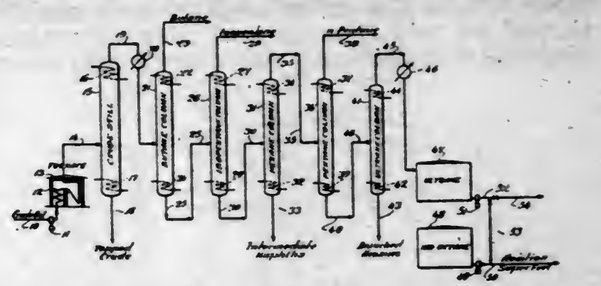
2,407,715
QUICK-RELEASE CONNECTOR
Frank G. Manson, Chicago, Ill.
Application October 11, 1944, Serial No. 558,264
12 Claims. (Cl. 24—205)



1. In a quick-release connector of the type having a hollow casing and a connector member therein rotatable relative to said casing between connecting and releasing positions, the combination of a shaft for said connector member extending through a wall of said casing, an operating member on said shaft extending transversely thereof, a pair of transversely movable locking members carried by said operating member and disposed on opposite sides of said shaft in diametric relation, spring means urging said locking members radially outward to positions wherein the respective outer ends of said locking members project beyond opposed gripping surfaces of said operating member, the distance between said projecting ends being such as to permit simultaneous inward pressure thereon by opposed gripping surfaces of a human hand when said operating member is gripped for manual rotation, means effective when either of said locking members is in its projecting position to lock said shaft against rotation relative to said casing, said means being rendered ineffective upon inward movement of both of said locking members to predetermined inner positions thereby to permit rotation of said shaft and connector member relative to said casing.

2,407,716
SUPERFUEL
Robert F. Marschner, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 29, 1940, Serial No. 343,179
4 Claims. (Cl. 44—69)

1. A composition of matter consisting essentially of cyclopentane and neohexane and containing about 30 to 90% by volume of cyclopentane which composition is substantially free from normal pentane and which is characterized

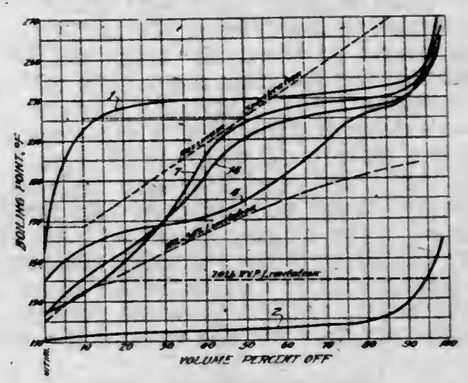


by a boiling range of about 120 to 124° F., a refractive index above 1.38, A. P. I. gravity below 75° and an octane number above 95 C. F. R.-R.

2,407,717
AVIATION SUPERFUEL
Robert F. Marschner, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application July 1, 1942, Serial No. 449,319
1 Claim. (Cl. 44—80)

An aviation combat fuel showing both a high supercharge octane number and a high rich mixture response comprising a blend of between about 40% and 80% commercial isooctane and between about 20% and 60% of 1,1,2-trimethylcyclopropane.

2,407,718
AVIATION SUPERFUEL
Robert F. Marschner, Homewood, Ill., and Don R. Carmody, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 31, 1942, Serial No. 456,786
11 Claims. (Cl. 44—77)

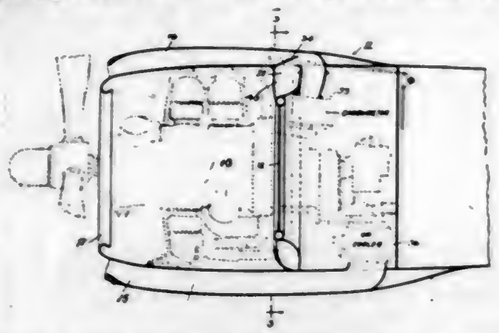


1. A super aviation fuel comprising between about 85 and about 60 volume percent isooctane and between about 15 and about 40 volume percent of an azeotropic mixture comprising between about 40 and 60 volume percent of diisopropyl and between about 60 and 40 volume percent of acetone.

2,407,719
CARBURETOR PREHEAT SYSTEM
Frederick C. Melchior, New York, N. Y.
Application February 1, 1944, Serial No. 520,629
3 Claims. (Cl. 123—171)

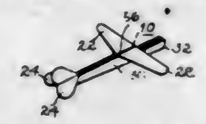
1. In combination with an engine installation including a nacelle having a nose cowl and an air intake scoop leading to the carburetor of said engine and an exhaust collector ring, of a car-

buretor pre-heat system including a slidable cowl member extending from either side of said air scoop, a diaphragm extending from said engine mounting to the outer edge of said nacelle, a shroud on said slidable cowl forming with said diaphragm a collector well around said exhaust
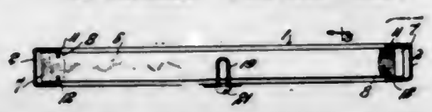


collector ring, a valve leading from said collector well to said air intake scoop, means for selectively operating said valve and said slidable cowl to determine the amount of air passing through said collector well and the amount of air passing from said collector well into said air scoop.

2,407,720
TOY AIRPLANE
Arthur B. Mull, Hollywood, Calif., assignor to Spotswood Specialty Co. Inc., Lexington, Ky., a corporation of Kentucky
Application November 2, 1944, Serial No. 561,582
1 Claim. (Cl. 46—81)



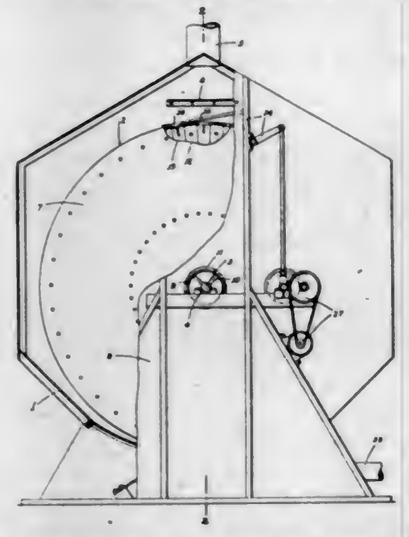
A toy airplane assembly including a cardboard stiffening member provided with an extension functioning as a rudder, a cardboard main body member folded along the bottom of the stiffening member so as to have the sides thereof overlying and cemented to the sides of the stiffening member, the length of the main body member being substantially the same as the length of the stiffening member said main body member having a pair of extensions folded at right angles to the sides of the main body member so as to function as coplanar wings, and a second pair of extensions folded along the sides of the main body member at right angles thereto functioning as coplanar elevators, and a cardboard ballast scored in the center and folded over the front end of the main body member so as to function as a reenforcing member for the nose of the airplane.

2,407,721
REFRIGERATING APPARATUS
Carl H. Nauert, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 23, 1944, Serial No. 527,685
10 Claims. (Cl. 211—153)



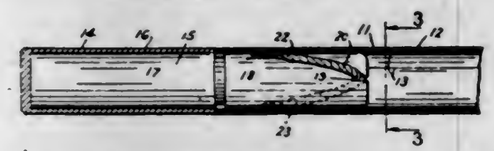
2. A food supporting shelf for use in domestic refrigerators comprising a rectangular outer frame constructed of an inwardly-facing channel member with inwardly extending flanges on one face thereof, a plurality of thin strips spanning the space between two sides of said frame and having end portions bearing against said flanges and extending into said channel member, individual spacing blocks mounted in said channel member and supported on the flanges and located between the ends of each pair of said strips, and a reinforcing member connected between two other sides of said frame.

2,407,722
DUST COLLECTOR
Clarence J. Peterson, Kingsburg, Calif., assignor to Kingsburg Cotton Oil Co., Kingsburg, Calif., a corporation of California
Application September 18, 1944, Serial No. 554,615
7 Claims. (Cl. 183—57)



1. A dust collector comprising a housing into which dust laden air is adapted to be fed under pressure, a driven rotor turnably mounted in the housing, means forming an air vent duct from the center of the rotor to atmosphere outside the housing, a plurality of alternately fixed and removable, radial frames included in the rotor in adjacent side by side relation, the fixed frames forming pockets open only to the duct, the removable frames forming pockets open only to the housing, a wall pervious to air but impervious to dust mounted between and separating adjacent pockets, and means cooperating at one point with the rotor at the periphery thereof to withdraw accumulated dust from the pockets open to the housing.

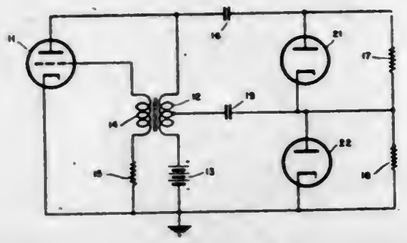
2,407,723
WAND
John W. Petrie, New Haven, Conn., assignor to Petrie-Lewis Manufacturing Co., Inc., New Haven, Conn., a corporation of Connecticut
Application April 10, 1945, Serial No. 587,640
6 Claims. (Cl. 287—126)



1. In an article of manufacture, the combination of a tubular member constructed by tightly rolling a sheet of material into a tube, the outer layers being bound together by an adhesive and the inner layers being left loose as rolled, a cylindrical member having an end thereof adapted to be inserted into an end of said tubular member, and friction imposing means between

said members connected to one and adapted to frictionally engage the other to tightly wrap the inner layers of the material constituting the tubular member onto the cylindrical member when one of the members is rotated relatively to the other.

2,407,724
VOLTAGE RECTIFIER
Donald R. Rasley, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application May 29, 1944, Serial No. 537,917
11 Claims. (Cl. 171—97)



1. A unidirectional power supply comprising, a source of impulses, a plurality of energy storage devices, one of said storage devices being connected to a relatively high voltage point of said impulse source and another of said storage devices being connected to a relatively low voltage point of said impulse source, means controlled by said impulses for storing energy in said storage devices, and a plurality of dissipation circuits connected respectively to said energy storage devices.

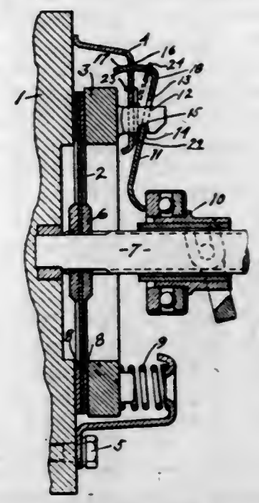
2,407,725
REFRACTORY LINING OF METALLURGICAL STRUCTURES
Robert A. Schoenlaub, Tiffin, Ohio, assignor to Basic Refractories, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 27, 1943, Serial No. 477,472
9 Claims. (Cl. 117—27)

1. A process of lining furnaces, which comprises dry mixing about 67 per cent of —16 mesh calcined dolomite and about 31 per cent of —100 mesh magnesite clinker and about 2 per cent of —200 mesh material capable of swelling to a gel when mixed with water, in the form of the hydrous magnesium silicate composition of hectorite from San Bernardino County, California, and swelling said hectorite by blowing such dry particles into admixture with sodium silicate solution to give about 3–4 per cent sodium silicate on the water-free basis and blowing the particles into position on a furnace surface.

2,407,726
METHODS OF PREPARING CHEMICAL PRODUCTS
Lee Irvin Smith, Minneapolis, Minn., and William B. Renfrow, Jr., Charlotte, N. C., assignors to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application August 7, 1941, Serial No. 405,796
7 Claims. (Cl. 260—333)

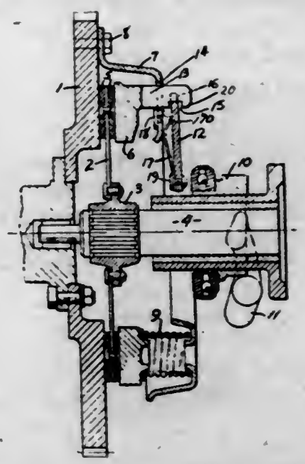
1. The process comprising reacting a compound selected from the group consisting of hydroxy chromans and hydroxy coumarans with a Grignard reagent, reacting the resultant mixture with a polybasic acid anhydride, and acidifying the reaction mixture.

2,407,727
CLUTCH
Charles B. Spase, Nedrow, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application January 8, 1944, Serial No. 517,556
7 Claims. (Cl. 192—99)



1. In a friction clutch including driving and driven members, a pressure ring rotatable with the driving member and thrusting toward the same to clutch the driving and driven members together, a back plate, spring means acting on the pressure ring to engage the clutch, a throw-out collar, and radially extending levers between the throw-out collar and the pressure ring operable to disengage the clutch; the combination of said pressure ring having rearwardly extending arms and the levers interlocking with the arms against displacement in a direction parallel to the axis of the clutch and placeable into such interlocking engagement by a radial endwise movement of the levers, the levers also having means slidably interlocking with the back plate for holding the levers in interlocking engagement with said arms against radial displacement during the normal operation of the levers.

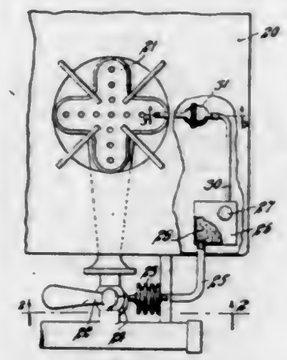
2,407,728
FRICTION CLUTCH
Charles B. Spase, Nedrow, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application January 8, 1944, Serial No. 517,557
5 Claims. (Cl. 192—68)



1. In a clutch construction, driving and driven members, a back plate mounted on and rotatable

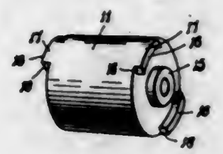
with the driving member and having openings therein, a pressure ring rotatable with the driving member and operable to engage and disengage the clutch, the pressure ring having arms slidable through the openings in the back plate, said arms being formed with notches in their inner sides toward the axis of the clutch and located outside of the back plate and also having ratcheting surfaces at their outer ends, a throw-out collar, spring means for thrusting the pressure ring against the driven member to engage the clutch, clutch levers between the throw-out collar and the pressure ring, the levers interlocking in the notches of said arms, and means for resiliently supporting the levers from the back plate and holding the levers interlocked in the notches and also providing fulcrums for the levers to the inward of said arms with respect to the axis of the clutch, the levers being arranged to coact with said ratcheting surfaces at the outer ends of said arms during the assembling movement of the arms into said notches, said lever supporting means biasing the levers radially outward during ratcheting action and pivotal movements of the levers into and out of said notches.

2,407,729
CATALYTIC IGNITER FOR GASEOUS FUELS
Robert S. Taylor, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 12, 1944, Serial No. 530,673
9 Claims. (Cl. 158—115)



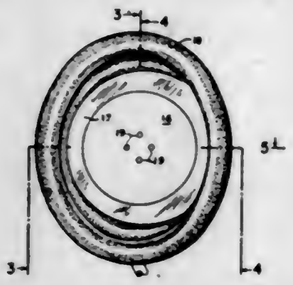
1. An ignition device for fuel gas comprising a gas burner, a gas cock for supplying gas to said burner, a reservoir for an auxiliary fuel, means for delivering air to said reservoir, a catalytic igniter, and mechanism operated by movement of said gas cock for operating said air supply means for delivering air and entrained auxiliary fuel from said reservoir to said catalytic igniter to ignite the fuel gas supplied to said burner.

2,407,730
ROLLER FOR TWISTER MACHINES
Clifford H. Wethers, Detroit, Mich.
Application June 15, 1945, Serial No. 599,583
4 Claims. (Cl. 57—90)



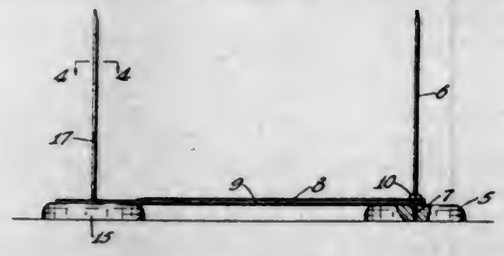
1. In a twister roll of the type described, projections extending endwise beyond the normal length of the roll, part of the surface of such projections being a continuity of the peripheral surface of the roll, and the spacing between said projections being uninterrupted by the roll proper.

2,407,731
RECEIVER EAR PIECE
Albert E. Woodruff, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 29, 1944, Serial No. 565,640
4 Claims. (Cl. 179—182)



1. In an earpiece for receivers of the class described, a body of flexible material including a hollow bead encircling the ear of the wearer so that one face of said bead engages the wearer's head, and an annular slot in the outer peripheral wall of said bead whereby the head-engaging face of said bead is supported solely by the inner peripheral wall of said bead.

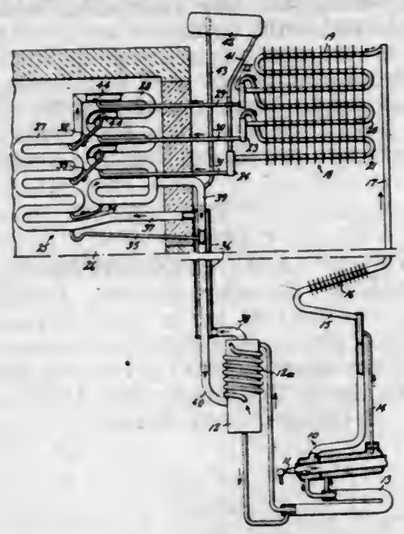
2,407,732
MULTIPLE FILING SPINDLE
Axel H. Youngstrom, Minneapolis, Minn.
Application March 3, 1944, Serial No. 524,869
1 Claim. (Cl. 129—21)



In a filing spindle, a first base element having a spindle extending upwardly therefrom, a pair of complementary base elements each having a spindle extending upwardly therefrom, and laterally interfitting bars pivotally connecting said first base element respectively with said complementary base elements.

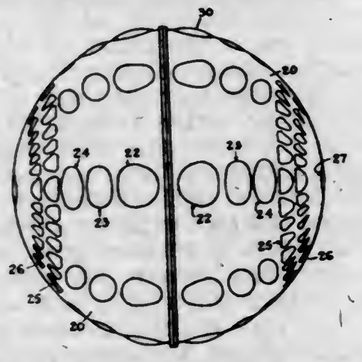
2,407,733
TWO TEMPERATURE EVAPORATOR FOR INERT GAS TYPE ABSORPTION REFRIGERATORS
Carl T. Ashby, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application May 15, 1941, Serial No. 393,558
18 Claims. (Cl. 62—119.5)

1. A refrigeration system having a plurality of parts in which evaporation of refrigerant liquid occurs to produce refrigeration, means for flowing inert gas through said parts in series, means providing thermal insulation between a first of said parts on one hand and others of said parts on the other, and means for simultaneously introducing liquid refrigerant individually into said



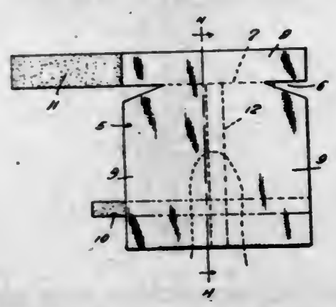
other parts, said first part being connected and arranged to receive liquid from said other parts.

2,407,734
TOY AND BALL CASING
Edna C. Bailliere, Warren, Ohio
Application January 10, 1942, Serial No. 426,265
5 Claims. (Cl. 273—58)



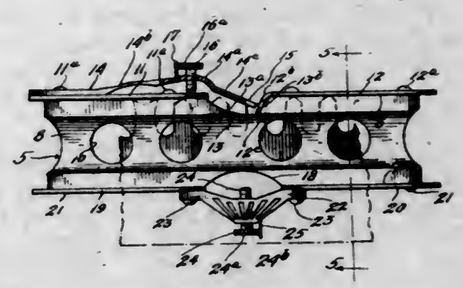
2. A casing adapted to receive an inflatable bladder comprising a pair of flat members of flexible material and having a desired form, means securing the flat members together at their outer edges, and the flat members having holes therein of a desired pattern to increase the lateral distendability of the casing.

2,407,735
FINGER BANDAGE
Raymond Beckerman, Danbury, Conn.
Application August 25, 1944, Serial No. 551,175
1 Claim. (Cl. 128—157)



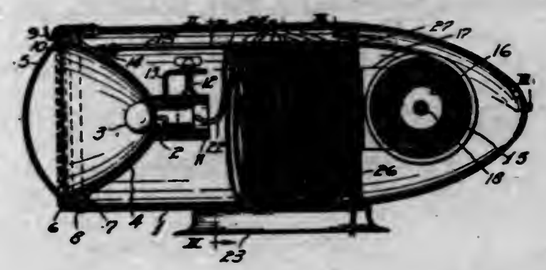
A finger tip bandage comprising a pad having its opposite side portions notched to define a main pad portion and a head portion, a strip of adhesive material projecting beyond one end of the head portion, the side portions of the main portion of the pad defining flaps adapted to be folded over a finger, said head portion being adapted to fold over the folded flap portions and secured in place by the said adhesive strip, and a second adhesive strip projecting laterally from the main pad portion and adapted to hold the flap portions in folded position preparatory to folding the head portion in place, and an adhesive strip applied to the pad at the back side thereof for reinforcing and substantially protecting the extremity of the enclosed finger.

2,407,736
SAW FILING GAUGE
Richard H. Deurmyer, Eugene, and Cleo G. Yocum, Cheshire, Oreg.
Application May 8, 1945, Serial No. 592,634
3 Claims. (Cl. 76—46)



1. A saw gauge, comprising a bar having a straight edge with a recess between its ends, saw blade guides secured to said edge on opposite sides of the recess, one of said guides having an angular finger projecting into said recess and relieved to provide a clearance for the saw blade, an outwardly arched spring arm secured to the bar, a terminal finger on said arm projecting into said recess, a screw threaded through the spring arm to engage the bar and adjust the angle of the terminal finger in said recess to establish the profile of the saw tooth to be filed and said terminal finger having a notch to allow the saw teeth to move through the finger.

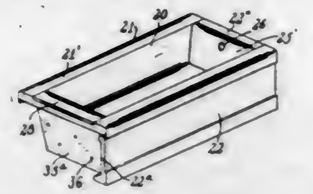
2,407,737
INSPECTION LAMP FOR MOTOR VEHICLES AND THE LIKE
Martha Catherina Erasmus, Krugersdorp, Transvaal, Union of South Africa
Application November 6, 1944, Serial No. 562,194
4 Claims. (Cl. 240—8.18)



1. In combination, a casing, a lamp removably mounted in one end of the casing, a spring motor driven drum in the casing, a carrier cable wound on the drum and connected with the lamp, a flexible electric current-conducting wire housed within the casing in the form of a substantially uniform helical coil, and eyelets secured to each

convolution of the wire, such eyelets being suspended on the carrier cable between the drum and lamp and being slidable along such cable, one end of the wire being connected with the lamp.

2,407,738
BATHTUB
Louis A. Falco, New Haven, Conn., assignor to The Dextone Company, New Haven, Conn., a corporation of Connecticut
Application June 24, 1944, Serial No. 541,857
6 Claims. (Cl. 4—173)

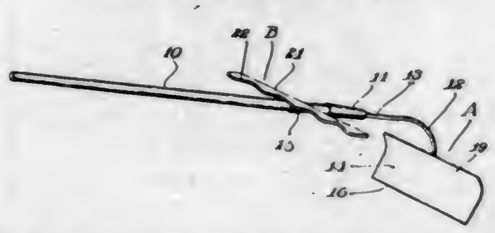


1. A composite bathtub structure of generally elongated shape provided with a main receptacle portion and with an outstanding rim portion, said tub having in the receptacle portion and also in the rim portion a thin metallic lining and a backing layer of cementitious material anchored thereto, the metallic lining comprising a number of sections joined together at their adjacent edges, said sections including a main section of channeled shape providing the main or body portion of the tub and upwardly sloping end sections, said end sections being set in said channeled section and welded thereto, the cementitious backing being anchored to the metallic lining by anchoring members having portions of extended area applied to the surface of the metallic lining by an adhesive cement and arranged in staggered rows.

2,407,739
PLASTIC CEMENTITIOUS MATERIAL
Gaspare Ferrante, Brooklyn, N. Y., assignor to Grasoph Building Corp., Brooklyn, N. Y., a corporation of New York
No Drawing. Application December 2, 1943, Serial No. 512,599
1 Claim. (Cl. 106—98)

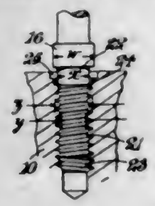
An interior wall plaster, consisting of a mixture of a Portland cement base, 100 lbs.; hydrated lime, 10 lbs.; brick dust, 20 lbs.; sand and marble dust, 10 lbs.; and water, 10 to 15 gals.

2,407,740
HOE
George Gailus, Stillwater, Minn.
Application November 9, 1944, Serial No. 562,616
2 Claims. (Cl. 97—65)



1. A hoe comprising a blade having a substantially flat lower portion and a forwardly curved integral upper portion, a handle secured to the rear convex surface of the blade and extending forwardly over the upper edge of the blade, said handle extending forwardly and upwardly at a slant when the flat lower portion of said blade is inclined upwardly and rearwardly, a bar secured to said handle at a point spaced forwardly from said blade, said bar extending transversely from said handle and being secured intermediate its ends thereto, said bar being substantially parallel to the lower edge of said flat blade portion, said bar acting to bend weeds and the like forwardly to hold the same at a forwardly inclined angle as they are cut off by the lower edge of said blade.

2,407,741
SCREW-THREADED MEMBER
William Thomas Goodby, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application April 6, 1944, Serial No. 529,812
In Great Britain April 2, 1943
7 Claims. (Cl. 151—22)



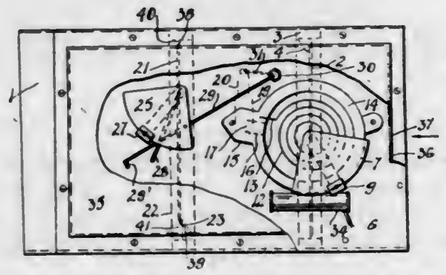
1. A threaded coupling comprising a threaded male member or bolt, and a complementarily threaded socket or female member providing an anchorage for said bolt, said bolt comprising a threaded shank at the leading end of the bolt, a plain portion adjoining said threaded shank, a locating collar above the plain portion and an attaching portion above the collar, the diameter of said plain portion being approximately equal to the effective diameter of the threads of the shank portion, said socket having a threaded portion of greater length than the threaded shank of the bolt and being substantially of a length equal to the combined lengths of the threaded shank and plain portion of the bolt whereby when the leading end of the bolt is screwed into said socket throughout the full length of said threaded shank, such leading end of the bolt will still be above the lower end of the threaded socket and further rotation of the threaded bolt will cause the plain portion of the bolt to squeeze the crests of the socket threads lying above their effective diameter into their troughs.

2,407,742
CONSTRUCTION AND ASSEMBLY OF ELECTRON DISCHARGE TUBES
John Henry Owen Harries, Clapham Park, London S. W. 4, England
Application September 4, 1941, Serial No. 409,589
In Great Britain September 23, 1940
14 Claims. (Cl. 250—27.5)



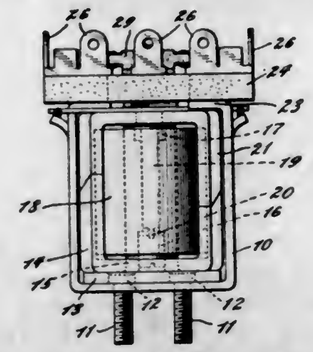
1. A method of assembling and alining electrodes in an electron discharge tube having an envelope formed at least in part of vitreous material which consists in detachably attaching a plurality of alining members to an assembly platform for supporting the envelope of the tube, said members being shaped to co-act with parts of the electrodes to effect alinement of the latter, assembling said electrodes with said alining members in sequence while maintaining said electrodes spaced by distance pieces also shaped to co-act with said alining members, sealing said electrodes by means of stiff supports to said envelope and subsequently detaching said alining members from said platform and withdrawing said alining members and said distance pieces from the assembly.

2,407,743
AIR DRAFT TIMING AND VOLUME CONTROL
Charles M. Helyar, Saint Vital, Manitoba, Canada
Application April 30, 1942, Serial No. 441,248
12 Claims. (Cl. 110—72)



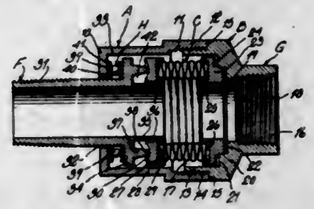
2. An air draft timing and volume control comprising in combination with an air duct, a volume regulating damper, a flow responsive vane normally biassed to one position and being movable from such position by an amount dependent on the flow therepast, said vane being positioned in spaced relation with respect to said volume regulating damper, within said air duct, a heat motor connected to said regulating damper and governing the movement thereof so as to permit an increased flow therepast as the temperature of said motor increases, means for periodically heating said motor, and automatically operable means for cooling said motor upon the movement of said vane from its normal position a predetermined extent.

2,407,744
ELECTROMAGNETIC RELAY
John H. Horman, Tuckahoe, N. Y., assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y., a corporation of New York
Application April 21, 1944, Serial No. 532,081
4 Claims. (Cl. 175—336)



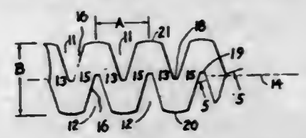
1. A device of the character described comprising two U-shaped magnetic metal members supported for relative rotation about an axis central of each member with the legs of each member extending toward the other member and each leg terminating in a face oblique to said axis at the same angularity, a central axial magnetic metal member providing a flux path between said two U-shaped members, and a coil surrounding said axial member with the coil being partially received by each U-shaped member and fixed to one U-shaped member.

2,407,745
ROTARY JOINT
Franz Jacobson, New York, N. Y.
Application August 9, 1944, Serial No. 548,683
9 Claims. (Cl. 285—97.3)



1. A rotary joint of the character described comprising metallic housing members adapted to be assembled together, a metallic member supported in rotary manner wtih respect to said housing members, and projecting outwardly of one thereof, an elastic metallic tubular element fixedly supported within and with respect to the other of said housing members, means secured to said element and providing a metallic anti-friction surface, metallic means projecting from said rotary member for engaging said surface with a line contact leakproof seal, said two last-named means and a portion of said rotary member defining a chamber, means to communicate pressure within the tubular element to said chamber, and metallic anti-friction means between said rotary member and said first of said housing members to permit free rotation of the rotary member.

2,407,746
OSCILLATING WELDING ROD
Jesse E. Johnson, Colbert, Wash.
Application December 2, 1944, Serial No. 566,293
8 Claims. (Cl. 219—8)

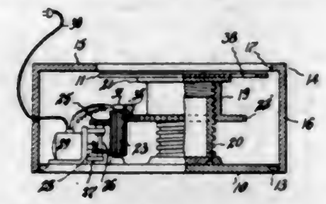


8. As an article of manufacture, a fusible rod having a generally long slender shape, said rod comprising a multiplicity of reverse bends including end loops and intermediate portions connecting the bends and extending in a direction at an angle to the axis of the rod, the intermediate portions being alternately disposed to form notches on the opposite sides of the rod, the notches having a substantially greater depth than the distance between their opposite faces and the reverse bends having a thickness substantially greater than their maximum width.

2,407,747
MOTION DISPLAY STAND
Leonard W. Sanderson, Toronto, Ontario, Canada
Application September 12, 1945, Serial No. 615,802
10 Claims. (Cl. 211—1.6)

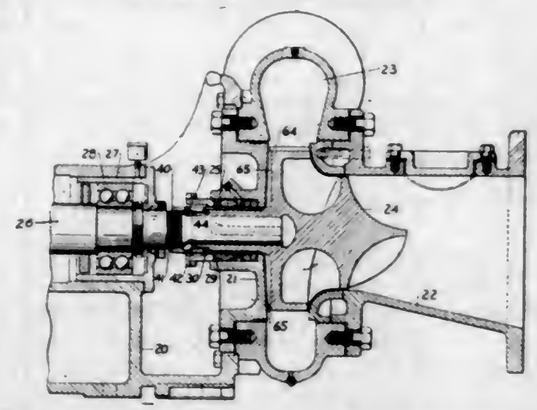
7. A display stand comprising a platform including a chamber and a top wall having an

aperture leading into the chamber, a turntable operable within said aperture for supporting an object to be displayed, and electro-mechanical means for rotating said turntable with an accompanying axial reciprocation, said means, consisting of a stationary feed screw upstanding from the bottom of said chamber, an internally threaded sleeve centrally depending from said turntable and threadedly mounted on said feed



screw, a ring gear on the lower end of said sleeve, an idler gear in mesh therewith and of a length such that it remains in mesh during screw action of the sleeve, a reversible electric motor, gearing connecting the motor to said idler, and an electric switch in the motor circuit having an actuator adapted to be tripped in the axial travel of the turntable and the ring gear on the sleeve, for reversal of the motor.

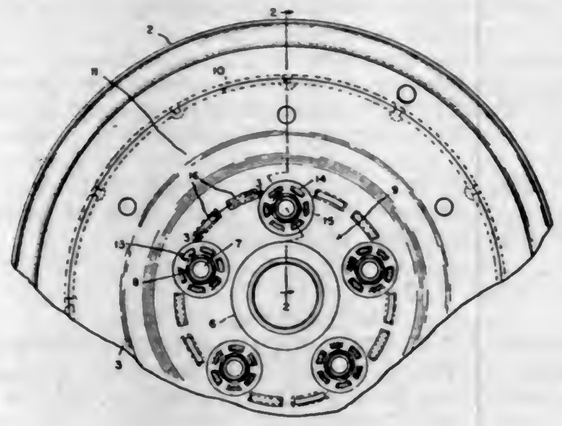
2,407,748
ROTARY PUMP
Edward Schmidt, Andover, Mass., assignor to Lombard Governor Corporation, Ashland, Mass., a corporation of Massachusetts
Application December 28, 1943, Serial No. 515,909
3 Claims. (Cl. 103—88)



1. A rotary pump, comprising a housing having a suction inlet and an impeller mounted for rotation therein, said impeller consisting of a body tapering toward the forward end thereof and having on its periphery a vane progressively increasing in radius of curvature from its forward to its rearward end, said vane at its forward end being substantially coincident with the axis of said body and extending a substantial distance into said suction inlet, the forward portion of said impeller throughout its entire length being spaced away from the walls of the suction inlet by a distance which is progressively increasing forwardly.

2,407,749
VEHICLE WHEEL
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application October 23, 1944, Serial No. 559,932
5 Claims. (Cl. 301—9)

1. A reversible wheel comprising a wheel body having a mounting portion provided with an annular series of holes and projections substantially surrounding and spaced from and substantially concentric with each of said holes and extending

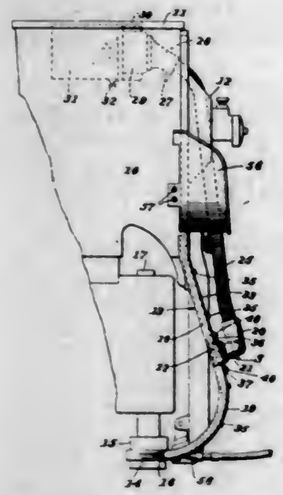


alternately in opposite generally axial directions and forming bearings for engagement with a wheel hub.

2,407,750
TEMPERATURE SENSITIVE RESISTOR
Frederick Gordon Smith, Toronto, Ontario, Canada, assignor to Research Consultants Limited, Toronto, Ontario, Canada, a corporation of Ontario
No Drawing. Application February 23, 1944, Serial No. 523,571
14 Claims. (Cl. 201—76)

5. The method of making a negative resistance-temperature coefficient resistance material comprising mixing finely divided titanium dioxide in molecular proportions with a finely divided monoxide of a metal selected from the group containing magnesium, zinc and cadmium, and combining the oxides into a true titanate by heating the mixture to a melting temperature.

2,407,751
DUST COLLECTOR
Robert J. Stewart, Baltimore, Md., assignor to Crown Cork & Seal Company, Baltimore, Md., a corporation of New York
Application October 7, 1943, Serial No. 505,375
9 Claims. (Cl. 226—129)



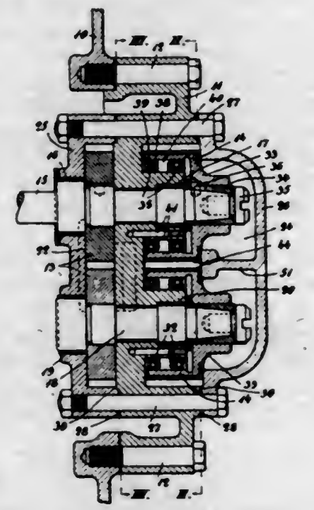
1. In combination with a capping machine having a closure hopper and a capping head, a feed chute for conducting the closures from the hopper to the capping head, suction means communicating with said chute for removing dust and foreign particles from the chute and closures, and means for providing a balanced pressure around the closures as the latter pass the suction means, so as to withdraw the dust from the chute and closures without interfering with the travel of the closures through the chute.

2,407,752
PROCESS OF SEPARATING HARD CONSTITUENTS FROM SINTERED HARD METALS
Edward Moor Trent, Coventry, England, assignor to Powderloys Limited, Coventry, England, a British company
No Drawing. Application September 5, 1945, Serial No. 614,601. In Great Britain October 4, 1944
6 Claims. (Cl. 23—208)

1. A process of recovering hard metal carbides from scrap material comprising hard metal carbides and an auxiliary metal of the iron group, in which process coarsely crushed scrap material is fused with zinc to form alloy of zinc with the said auxiliary metal, the product being cooled and the alloy removed by a solvent therefor, followed by washing leaving behind the hard carbide particles.

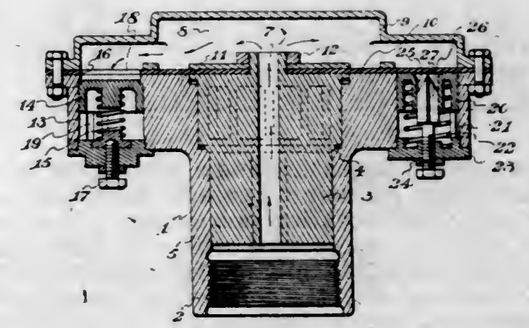
6. A process of recovering hard metal carbides from scrap material in accordance with claim 1, wherein the auxiliary metal consists particularly of cobalt, and the amount of zinc added is sufficient to form with the cobalt an alloy containing not more than 10% of cobalt.

2,407,753
GEAR-WHEEL PUMP
August Gunnar Ferdinand Wallgren, Eskilstuna, Sweden, assignor to Aktiebolaget Bolinder-Munktell, Eskilstuna, Sweden, a corporation of the Kingdom of Sweden
Application October 27, 1941, Serial No. 416,777
In Sweden August 15, 1940
4 Claims. (Cl. 103—126)



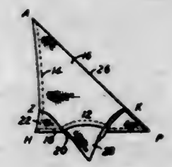
1. In a gear wheel pump for pumping liquid containing entrained solid particles, a housing having end walls and partition means for dividing the housing into two compartments, a pair of parallel shafts, bearing means for journalling said shafts in said partition and in one of said end walls, a pair of accurately meshing gears mounted on said shafts in the compartment between said partition means and said one of said end walls, a pair of toothed circular gears mounted on said shafts in the other compartment and in overhung relation with respect to the bearings in said partition means, the last-mentioned gears having sufficient play between them to accommodate the entrained solid particles, said other compartment being formed with inlet and outlet openings, and packing means between said partition means and said last-mentioned gears for preventing leakage of fluid between said other compartment and the bearing in said partition means.

2,407,754
PRESSURE RELIEF VALVE
Elmer R. Williams, Tulsa, Okla.
Application February 2, 1945, Serial No. 575,788
2 Claims. (Cl. 137—53)



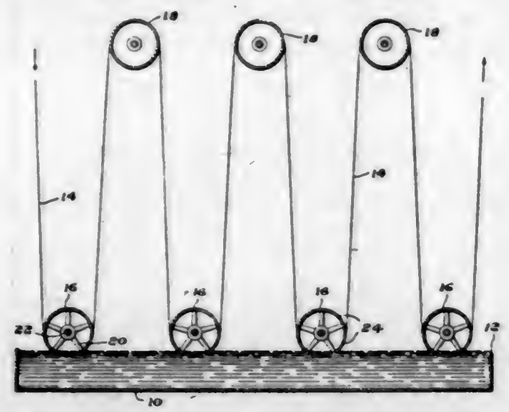
1. A pressure relief valve comprising a casing having a chamber therein, a diaphragm in said chamber and dividing said chamber into a pressure chamber and a pressure exhaust chamber, a member slidably mounted in the pressure exhaust chamber and engaging one side of the diaphragm, an expansion spring in the pressure exhaust chamber and normally forcing the slide member against the diaphragm, a piercing member extending into the pressure exhaust chamber and through the slide member and terminating adjacent the diaphragm, the portion of the piercing member extending through the slide member having guide wings thereby providing for the passage of pressure fluid downwardly into the exhaust chamber when the diaphragm is pierced.

2,407,755
SHOULDER PAD
Marion R. Witham, Westfield, N. J.
Application March 8, 1946, Serial No. 652,871
3 Claims. (Cl. 2—268)



1. A triangular shoulder pad for garments comprising an outer cover of woven fabric, folded on the bias and stitched along one side to form a triangular pocket, said pocket being opened along an adjacent side of the triangle on the straight of the fabric, a flap for said opening folded over said opening on the straight of the fabric having its ends stitched along the sides of said triangular pocket, and a triangular removable filler located in said pocket.

2,407,756
METHOD FOR SATURATING FIBROUS SHEET MATERIAL
James G. Young, Shreveport, La., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts
Application March 24, 1943, Serial No. 480,352
5 Claims. (Cl. 117—115)



1. A method for saturating a fibrous sheet material with hot bituminous compound which comprises completely coating one surface of the material with the compound while simultaneously coating spaced areas only of the opposite surface of the material with the compound, exposing said last named surface of the material to atmosphere to permit escape of vapors from the uncoated areas thereof, and thereafter applying the compound to said uncoated areas.

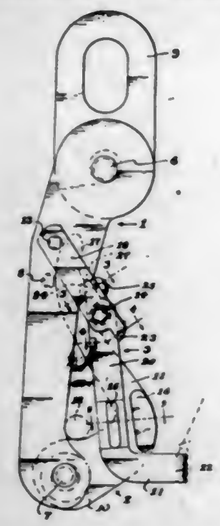
2,407,757
MAGNETIC CLUTCH
Alan M. MacCallum, Maywood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 8, 1943, Serial No. 513,421
3 Claims. (Cl. 192—84)



1. In a magnetic clutch having a pair of opposed clutch members adapted to be arranged within a surrounding coil, a driven shaft connected at one end to one clutch member, a drive shaft, the other clutch member being in the form of a ring having a side recess at its inner periphery, and a resilient drive coupling comprising a corrugated plate secured at its central portion to an end of the drive shaft and to one side face of said ring adjacent its perimeter to thereby normally hold said ring clutch member spaced from the other clutch member and through flexing of the plate to permit the clutch members to move together.

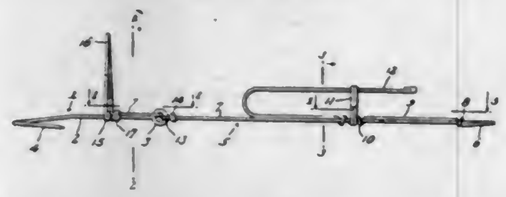
2,407,758
FASTENING DEVICE
William Robert MacCluney, Dearborn, Mich.
Application July 19, 1945, Serial No. 605,871
5 Claims. (Cl. 294—83)

1. A fastening device comprising a frame having attaching means at one end, a member cooperating with said frame in the closed position of said member to form an eye for receiving an attachment member and retaining means for holding said first mentioned member in closed position, said retaining means comprising a lever pivoted to said frame and a second lever pivoted to said first mentioned lever and having an actu-



ating part and a second part for fulcruming on said frame intermediate the pivot between said frame and first mentioned lever and the pivot between said levers.

2,407,759
FISHHOOK
Royden K. McDougal, San Pedro, Calif.
Application January 25, 1944, Serial No. 519,629
1 Claim. (Cl. 43—40)

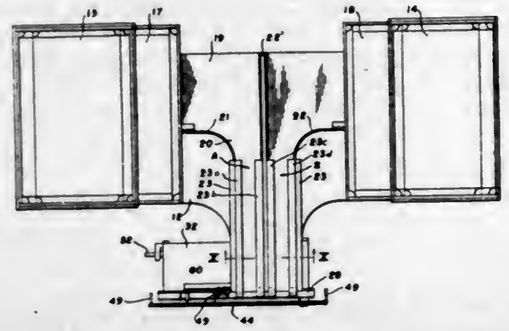


A fish hook of the character described comprising a live bait holder formed from a single length of resilient wire and including a loop for connection with a fishing line, a shaft extending from one end of the loop, a rod on the other end of the loop extending longitudinally on the shaft to an intermediate point, said rod being wrapped around the shaft at an intermediate point and formed to provide a keeper, said rod terminating in a reversed free end portion insertable through a gill and the mouth of a bait and engageable in the keeper, a hook on one end of the shaft and projecting longitudinally therefrom, and a loop on said one end of the shaft projecting at substantially right angles to the hook, the last-named loop being for the reception of the bait and constituting means for retaining the hook adjacent one side of the tail portion thereof.

2,407,760
METHOD OF AND APPARATUS FOR FITTING TELESCOPIC TUBES AND THE LIKE
John R. McLaughlin, Palmer, Mass., assignor, by mesne assignments, to Tampax, Inc., New York, N. Y., a corporation of Delaware
Original application October 23, 1942, Serial No. 463,091. Divided and this application January 25, 1945, Serial No. 576,205
16 Claims. (Cl. 93—77)

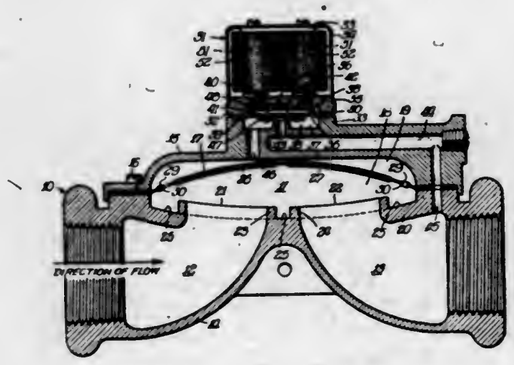
1. An apparatus for deforming telescopically fitting tubes embodying means for supporting

tubes in aligned endwise pairs, means for deforming ends of one of said tubes, means for bodily moving one of the tubes longitudinally and independently of the other tube to telescope said tubes, and means whereby the telescoped tubes are released from and moved away from the telescoping means.



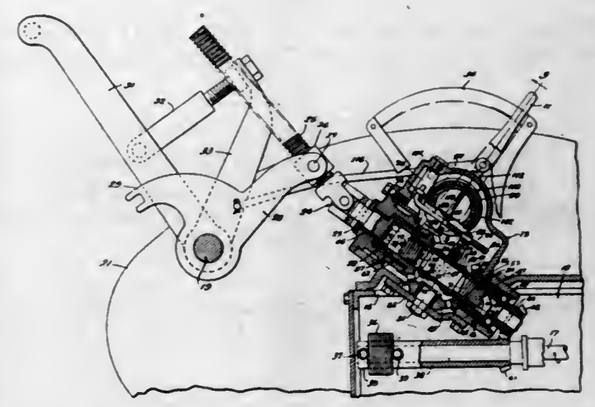
11. A method of interfitting telescoping tubes which consists in advancing a pair of tubes tandem-wise in a guide in non-axial alinement, deforming the end of one of each pair of tubes, displacing the leading tube into axial alinement with the trailing tube, bodily moving the trailing tube independent of the leading tube whereby to enter the former tube into the proximate end of the latter tube, and continuing the advance of the telescoped tubes to discharge them from the guide.

2,407,761
VALVE
Hal W. McPherson, Chicago, Ill., assignor to Allied Control Co., Inc., New York, N. Y., a corporation of New York
Application January 14, 1944, Serial No. 518,233
7 Claims. (Cl. 137—139)



1. In a shut-off valve for handling a fluid under pressure, a chamber, a movable diaphragm dividing the chamber into a front portion and a rear portion, two ports opening into the front portion of the chamber, one of said ports constituting an inlet for the fluid and the other constituting an outlet for the fluid, said diaphragm being movable forwardly to seat a portion of the area thereof against said ports and close off the outlet port and being movable rearwardly to place the outlet port in communication with the inlet port by way of the front portion of the chamber, means disposed downstream from said inlet port, between the inlet and outlet ports and outside of said portion of the diaphragm area for conducting some of the fluid from the inlet port into the rear portion of the chamber, whereby to pocket such fluid under pressure in the rear portion of the chamber behind the diaphragm to flood the rear portion and cause the diaphragm to move forwardly into sealed engagement with the outlet port, and means for controlling the operation of said last mentioned means.

2,407,762
MECHANICAL POWER LIFT
James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 15, 1944, Serial No. 563,597
8 Claims. (Cl. 74—388)

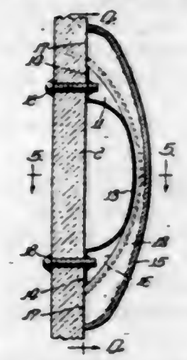


1. In a mechanical power lift utilizable upon a tractor having a horizontal power supplying shaft, a rock-shaft disposed transversely of the power supplying shaft, and a rock-shaft rocking arm having a power receiving portion disposed above the power supplying shaft; a rotatable structure driven from the power supplying shaft and inclined upwardly therefrom generally toward the power receiving portion of the rock-shaft rocking arm, a rotatable driven member coaxial with said rotatable structure, worm and running nut means associated with said rotatable driven member for connecting the same with the power receiving portion of the rock-shaft rocking arm to cause rocking of said arm and of the rock-shaft in either direction depending upon the direction the driven member is rotated, gears rotatable coaxially about and spaced axially of said structure, a clutch actuatable to drivingly connect one of said gears with said structure, the other gear being constrained for rotation with the driven member, a reversing power train for driving said other gear and hence the driven member from the one gear oppositely to the direction the structure rotates when said clutch is actuated, a second clutch actuatable to drive the driven member from and in the same direction as said structure, and means for selectively actuating said clutches.

2,407,763
FURNITURE HANDLE
Edwin W. North and Roy A. Stone, Rockford, Ill., assignors to National Lock Co., Rockford, Ill., a corporation of Delaware
Application April 10, 1944, Serial No. 530,270
3 Claims. (Cl. 16—125)

1. A handle, comprising a channel-shaped outwardly bowed metal body having flat co-planar end walls for the reception of fastening means and in-turned opposed flanges extending along the outer margins of the channel walls, and an outwardly bowed fillet having an inner face con-

forming to the curvature of the outer face of the body and laterally projecting flanges adapted for



sliding inter-engagement with said flanges of the body to secure said fillet and body together.

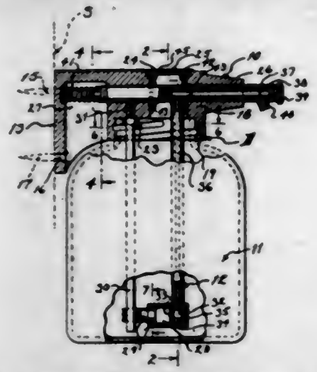
2,407,764
THERMOSTATIC SWITCH PLUG
Bernard F. Oebbecke, Pittsburgh, Pa.
Application April 23, 1943, Serial No. 484,307
4 Claims. (Cl. 200—136.5)



1. A thermostatic switch plug comprising first and second terminal means for connection with an electrical appliance, said first terminal means being adapted for connection with a circuit wire, a stationary contact electrically connected with said second terminal means, a temperature responsive thermostat adapted for connection with a second circuit wire and having a second contact engageable with said stationary contact, adjustable resilient means bearing against said thermostat to yieldingly hold the second contact in engagement with the stationary contact to close the circuit through the appliance but yielding upon a predetermined temperature condition of the appliance to cause the second contact to move away from said stationary contact and break the circuit through the appliance means for adjusting said resilient means to vary its resisting pressure on said thermostat, means for holding the adjusting means in adjusted position, a visible indicating means on the adjusting means for displaying the extent of adjustment, said stationary and second contacts having meeting faces, and said thermostat being U-shaped and having one leg fixed to a support and comprising a bimetallic member having a first length flexing in one direction and a second length carrying the stationary contact flexing in a reverse direction to maintain said meeting faces in parallelism.

2,407,765
PUSH-BUTTON PUMP TYPE SOAP DISPENSER
John Frederick Palmer, Waukesha, Wis.
Application May 10, 1945, Serial No. 593,065
6 Claims. (Cl. 222—340)

1. A liquid dispenser comprising a bracket, an open mouthed bowl secured to and depending from said bracket, an operating plunger slidably mounted in said bracket for horizontal movement back and forth toward and away from the rear end of the bracket, a stationary pump piston carried by the bracket and disposed in the bowl adjacent to the lower end thereof, a pump cylinder slidably mounted on the piston, said cylinder and piston being arranged in parallel relation to the plunger, an inlet check valve for the cylinder, rigid pump tubing connecting the cylinder with the operating plunger whereby upon move-

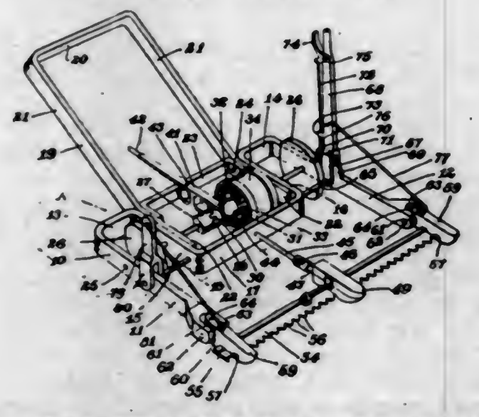


ment of said plunger, the cylinder will be moved therewith, said plunger having a passageway communicating with the upper end of the tube, and an outlet nipple carried by the plunger and communicating with said passageway.

2,407,766
MODIFIED ALKYD RESINS
John Harold Perrine,, Prospect Park, and Herbert L. Johnson, Norwood, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application September 3, 1943, Serial No. 501,140
6 Claims. (Cl. 260—76)

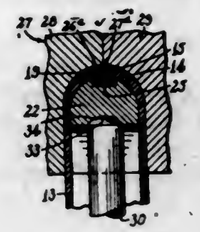
1. An alkyd resin comprising the reaction products formed upon heating of four parts of a polycarboxylic acid, one–two parts of a polyhydric alcohol and one–four parts of a pentane-insoluble acidic material containing an hydroxyl group, a carboxyl group and a plurality of carbonyl groups in the molecule, said material having been formed by oxidizing a lubricating oil, containing an average of a naphthene ring per molecule, by means of a free-oxygen containing gas at a temperature of about 100° C.–160° C. and at a pressure of about atmospheric to 150 pounds per square inch until said oil has a saponification number of about 100 to 200 and recovering said material from said oxidized oil.

2,407,767
PUSH MOWER
Alfred T. Peterson, Minneapolis, Minn.
Application May 15, 1942, Serial No. 443,035
3 Claims. (Cl. 56—260)



1. A mower comprising a frame, a pair of arms extending forwardly from said frame, a pair of forwardly extending shoes pivotally mounted to said frame by universal pivots, an intermediate shoe positioned between said first named shoes, fixed cutter blades pivoted to said intermediate shoe along a longitudinal axis and connected to said first named shoes, relatively reciprocable cutter blades mounted adjacent said fixed cutter blades, means on said intermediate shoe for actuating said reciprocable cutter blades, a shaft extending from said actuating means, and a universal pivot in said shaft in substantial alignment with said first named universal pivots, said shoes being simultaneously pivotal about a transverse horizontal axis when said universal pivots are aligned.

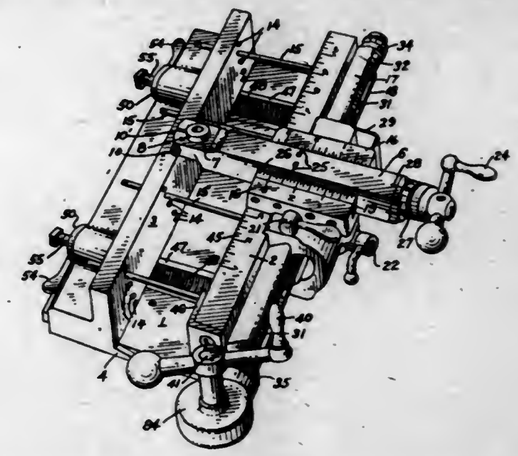
2,407,768
METHOD OF MAKING RUBBER GOODS
Bert Predmore, New Haven, Conn., assignor to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut
Application April 10, 1944, Serial No. 530,323
2 Claims. (Cl. 18—59)



1. The method of closing the slitted end of a substantially planar receptacle of vulcanizable material, which comprises inserting a piece of vulcanizable material into the slit in such a manner that a substantial part of the piece extends inwardly into the receptacle, heating the inserted piece and the adjacent parts of the receptacle to cause the material to flow more readily, and subjecting the article in the region of the slit to the pressure of inner and outer members which compress the piece generally lengthwise of the receptacle although permitting the material in the inner end portion of the piece to flow laterally away from the general plane of the piece, the inner member having a recess extending laterally of said receptacle into which such material flows for the purpose of creating shoulders of a prescribed contour overlying the edges of the slit.

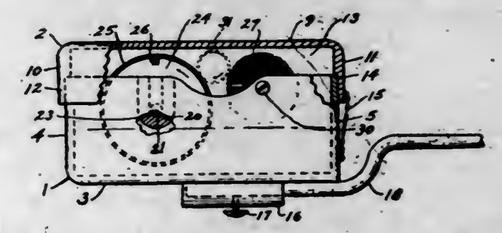
2,407,769
DRILLING VISE
John F. Anderson, Oakland, Calif.
Application November 16, 1943, Serial No. 510,519
11 Claims. (Cl. 77—62)

2. In a drilling vise of the character described, a base plate, a pair of cooperating elongated vise jaws carried by said base plate, one of said jaws fixed to said plate and the other mounted thereon to move transversely of the length of the jaws for clamping between them the work to be drilled, means for operating the movable jaws, a carriage mounted on and to slide along the fixed jaw, and the fixed jaw and carriage provided with interengaging guiding surfaces holding the carriage to the jaw, and the carriage provided with a drill socket carrying arm adapted to project across the work clamped between the jaws, screw means arranged for moving said carriage longitudinally of the fixed jaw, and screw means arranged for moving said arm to any desired degree



of projection over the work transversely of the carriage movement.

2,407,770
LIQUID APPLICATOR
Isabelle H. Daniel, Los Angeles, Calif.
Application March 18, 1943, Serial No. 479,611
2 Claims. (Cl. 91—27)

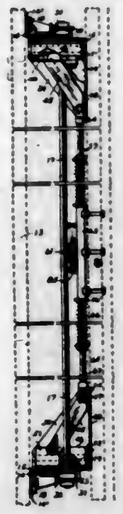


1. In a device for coating a liquid substance on the outer surfaces of pipe and the like, the device comprising a base having a bottom, opposed upstanding end walls, and upstanding side walls to form a reservoir for liquid, a roller with an absorbing covering having its ends removably journalled in the side walls and positioned so that top portions thereof extend above the tops of the side walls and its bottom portions dip into the reservoir, a cylindrical brush having long bristles and rotatably mounted for adjustment to a fixed operative position on an axis mounted in the side walls so that the longitudinal axis of both roller and brush are parallel, the roller and brush being so spaced apart that their near surfaces can conjointly support the pipe to be coated and so that when the pipe is rotated the roller is rotated.

2,407,771
SEAT SUPPORT
John P. De Rose, Albany, Calif.
Application August 4, 1941, Serial No. 405,279
8 Claims. (Cl. 155—14)

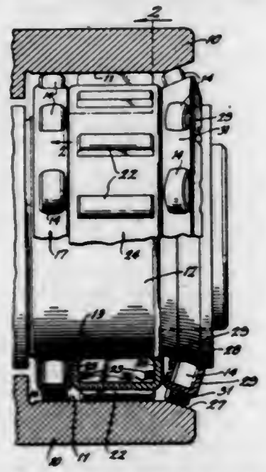
8. In combination with a seat, a seat-supporting means comprising a pair of transversely spaced and relatively fixed base members disposed in opposed relation beneath the seat and extending in fore-and-aft relation thereto, a pair of complementary upwardly extending obliquely disposed laterally spaced toggle struts of equal length lying in the same vertical plane and each hinged to a different base member for pivotal movement toward and away from each other, said toggle struts having their upper ends supportingly and slidably engaging the seat, and means including a gear and racks spanning the

distance between and connecting the upper strut ends and adjustable to move the upper strut ends



toward or away from each other to change the obliquity of the struts and thereby adjust the spacing of the seat from the base members.

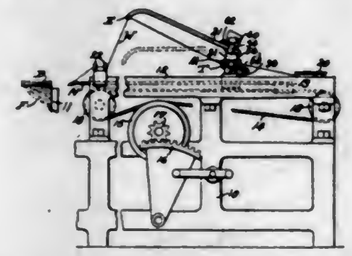
2,407,772
CLUTCH AND BEARING CONSTRUCTION
Adiel Y. Dodge, Rockford, Ill.
Application June 16, 1943, Serial No. 491,007
11 Claims. (Cl. 192—45.1)



1. A combined clutch and bearing construction comprising inner and outer races having coaxial continuous facing surfaces, a series of anti-friction rollers between the surfaces connecting the races for free relative rotation, a cage for the rollers supporting them in spaced relation between the race surfaces, a series of tiltable grippers between the race surfaces tiltable in one direction to engage the surfaces and hold the races against relative rotation and in another direction to release the surfaces, and a cage for the grippers supporting them in spaced relation between the surfaces and mounted adjacent but rotatable relative to the bearing cage.

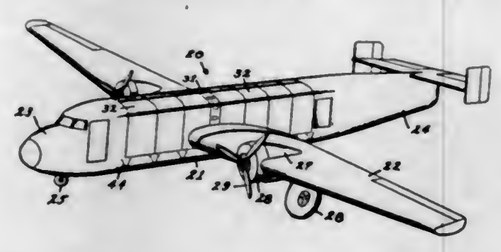
2,407,773
WEFT TENSION FOR AXMINSTER LOOMS
Norman Fletcher, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 3, 1945, Serial No. 575,991
8 Claims. (Cl. 139—123)

1. In conditional weft tensioning and releasing mechanism for an Axminster loom having a whip stick through the eye of which weft extends from a stationary weft package to a weft inserting needle, the whip stick being normally raised and moving downwardly during weft inserting movements of the needle, a weft tension between said stationary package and said eye of the whip stick normally operative to prevent pas-



sage of weft from said package to the whip stick eye, and operating connections between the whip stick and said tension effective when the whip stick moves downwardly to alter said tension by a force derived from said whip stick and cause the tension to permit passage of weft from said package to the whip stick eye.

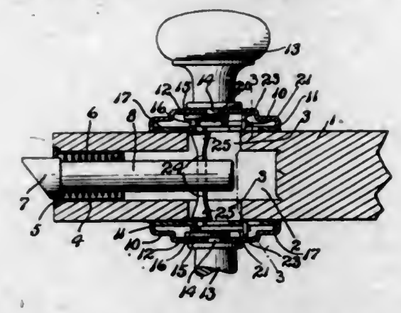
2,407,774
AIRPLANE CONSTRUCTION
Harlan D. Fowler, San Diego, Calif.
Application December 28, 1942, Serial No. 470,326
11 Claims. (Cl. 244—118)



1. An airplane construction comprising an elongated exposed fuselage platform, a nose compartment and a tail assembly permanently supported at opposite portions of said platform with a cargo space on said platform separating the nose compartment and tail assembly, a wing having sections including a leading spar extending laterally from both sides of the platform, the leading spar of the wing sections resting on and being supported by said platform, freight container positioning members disposed upon said platform, and a vantage and observation post for directing the positioning of freight containers relative to said members provided with a pivotally mounted guard member, said post being positioned upon and above said spar.

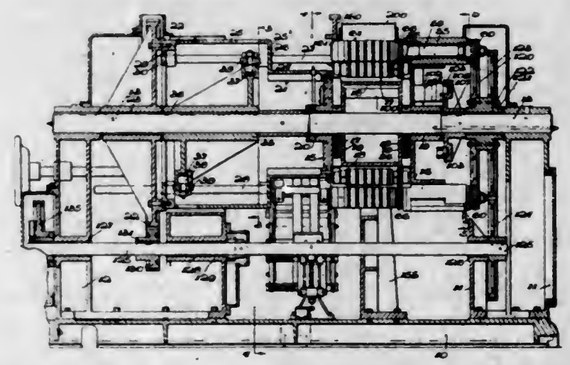
10. In an airplane an exposed freight platform having a flat deck, containers having bottoms and sockets in said bottoms, said bottoms comprising recessed peripheral edge portions, substantially U-shaped ribs at the edge portions each rib having one leg attached to the container within said respective recessed peripheral edge portion and the other leg in contact with the outer surface of said bottom, said ribs being adapted to rest upon said deck, and one or more reinforcing ribs in contact with the bottom and spaced from and of lesser depth than the first ribs, said sockets being located inwardly relative to said first ribs, and a plug for each socket located on the platform and adapted to project into the socket and to snugly engage the sides thereof.

2,407,775
INDOOR LATCH AND LOCK
Horace E. Frost, Grand Rapids, Mich.
Application December 11, 1944, Serial No. 567,541
5 Claims. (Cl. 292—169)



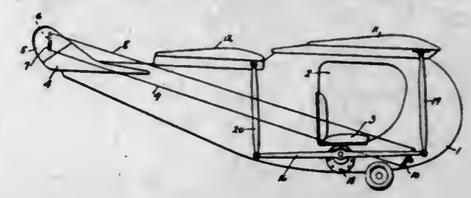
1. A latch construction including a housing adapted to be inserted in an opening made inwardly at the vertical edge of the door, a coiled spring within said housing, a latch bolt having a head normally projecting beyond the open end of the housing and a stem connected to said head passing through said spring and the bottom of the housing, said stem at its inner end portion having a transverse opening therethrough, an operating pin having a free end portion extending partly into said opening at each side of the latch bolt stem, means for mounting each of said pins for a longitudinal movement paralleling the axis of said bolt stem, said movement being in a direction to retract the bolt head and compress said spring, and manually rockable means connected with each of said pins for moving the same to retract the latch bolt on rocking either of said means in either direction of rocking movement.

2,407,776
CAN-BEADING MACHINE
Wiltie I. Gladfelter, Philadelphia, Pa., and Walter A. Ehrlich, Bridgeport, Conn., assignors to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 22, 1943, Serial No. 491,836
12 Claims. (Cl. 153—73)



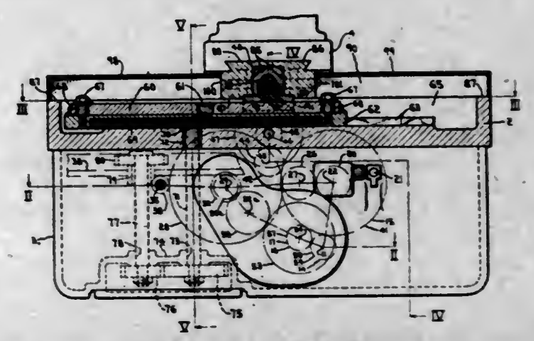
1. A can body beading machine comprising a rotatable turret, a plurality of pairs of parallel beading rolls carried by the turret and journalled for rotation on radially spaced axes, one roll of each pair being supported at one end only, for the reception of can bodies over its other end, a gear fixed upon the other end of each roll, a pair of offset intermeshing idler gears carried by the turret adjacent each pair of roll gears in mesh therewith and constituting a driving connection therebetween, means for forcefully moving the other roll of each pair substantially radially of the turret toward the first mentioned roll to apply beading pressure to the can bodies thereon while maintaining said driving connection, means for positively rotating the first mentioned roll of each pair, and means adjacent the path of movement of the free end of the first mentioned roll of each pair for preventing displacement thereof under the influence of said beading pressure.

2,407,777
GLIDER
Henry C. Grawunder, Bellville, Tex., assignor of one-half to J. B. Huff, Jr., Harris County, Tex.
Application September 4, 1942, Serial No. 457,244
2 Claims. (Cl. 244—16)



1. A glider comprising a fuselage, similar front wings extending out laterally from the fuselage and pivoted thereto on longitudinal axes, rear wings extending out laterally from the fuselage and whose inner ends are pivoted to the fuselage on longitudinal axes, means whereby the wings on one side of the glider may be moved independently of the movement of the wings on the other side of the glider, said means comprising levers, one on each side of the fuselage, mounted at points intermediate their ends for universal pivotal movement on the fuselage, front and rear rigid links pivotally connected to the front and rear ends of the levers respectively, the front links being pivoted at their other ends to the leading edges of the front wings and the rear links being pivoted at their other ends to the leading edges of the rear wings, whereby upon the rocking of a lever the corresponding wings will be moved one upperwardly and the other, simultaneously, downwardly.

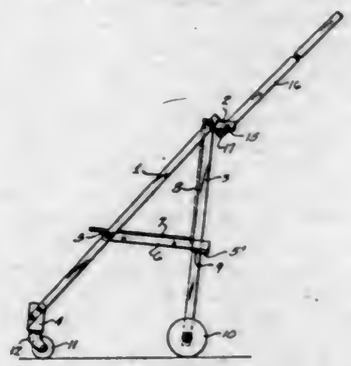
2,407,778
TAPER TURNING APPARATUS
William F. Groene, Cincinnati, and Harry C. Kemper, Goshen Township, Clermont County, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application February 4, 1943, Serial No. 474,732
1 Claim. (Cl. 82—22)



In a lathe tool feeding mechanism, a bed, a carriage on said bed, a cross slide on said carriage including a cross feed screw, an apron on said carriage, a feed reverse transmission in said apron actuable from a source of feed power of said lathe, a cross and longitudinal feed selector connected to said feed reverse transmission, and taper control mechanism in said apron includ-

ing the combination of a change gear transmission, means for connecting said transmission to rotate the actuating cross feed screw and move said cross slide, means for connecting said transmission to said cross and longitudinal feed selector when longitudinal feed of the carriage is being effected, a taper attachment mounted in the carriage having a taper bar, means operably connected to the cross feed screw and slidable along said taper bar for transmitting motion to said cross feed screw in accordance with the angle of said taper bar for axial reciprocation of said cross feed screw, and a change gear transmission in said apron adapted to be driven from a rack fixed on said bed by the movement of said carriage thereon and connected to said taper bar for actuation thereof to vary the effective motion transmitted thereby to the cross feed screw.

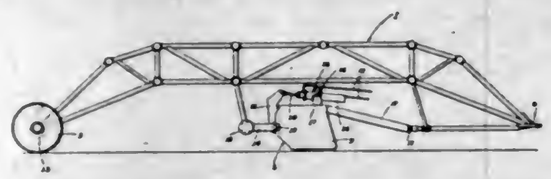
2,407,779
PERAMBULATOR
Edwin W. Grove, III, Ladue, Mo.
Application July 28, 1945, Serial No. 607,577
1 Claim. (Cl. 280—41)



A foldable perambulator comprising in its unfolded position a pair of parallel, diagonal side members and a pair of vertical supporting legs, a plurality of horizontal elements connecting said diagonal members and said supporting legs and a seat attached to said horizontal elements, certain of said connecting elements being in pivotal engagement with said side members and in sliding engagement with said legs, stop means for limiting the movement of said sliding elements, a backrest, a handle provided with a slot, and a rigid connecting element between said legs upon which said handle is swingably mounted, said rigid connecting element having a cut-out portion with an inclined wall, retaining means passing through said cut-out portion and through the slot of the handle whereby said handle is held in frictional engagement with said inclined wall, and rotatable propelling means, said side members, vertical legs, seat, backrest, and handle being adapted to be brought into substantially parallel positions with relation to each other through a single operation.

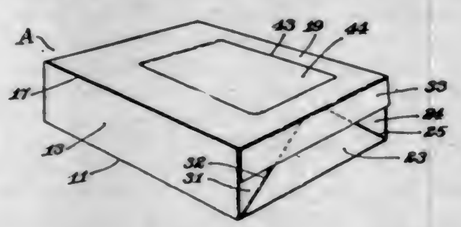
2,407,780
FINISHING LEVELER
Albert G. Gurries, Gilroy, Calif.
Application June 11, 1945, Serial No. 598,781
11 Claims. (Cl. 37—169)

1. A finishing lever comprising an elongated frame supported above and for movement along the ground, a scraper disposed transversely below the frame intermediate its ends, and means vertically adjustably suspending the scraper from the frame; said means including a forwardly projecting tongue on the scraper pivotally connected to the frame for vertical movement, a pair of transversely spaced, vertically swingable arms project-



ing rearwardly from the scraper, longitudinally swingable legs depending from the frame to pivotal connection with said arms, and means operative to swing said arms up or down to raise or lower the scraper.

2,407,781
METHOD AND APPARATUS FOR SEALING CARTONS
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application August 30, 1943, Serial No. 500,497
6 Claims. (Cl. 229—37)

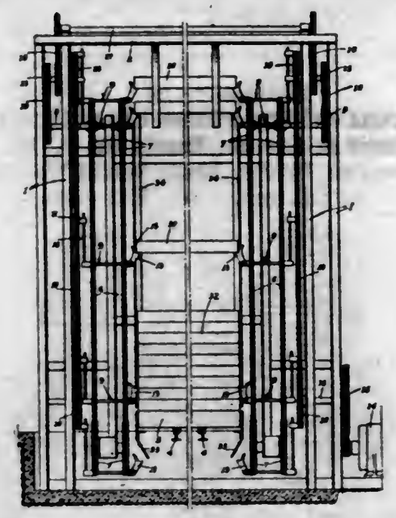


1. A container comprising four panels foldably connected together to form a top panel, a bottom panel and side wall panels; a fifth panel foldably secured to one of said side wall panels and adapted to overlap said top panel and be adhered thereto, end panels foldably secured to said bottom panel, connecting flaps secured between said end panels and said side wall panels, a heat-sealable coating on the inner surface of said container panels, said connecting flaps being diagonally folded and adhered together by said coating, and flanges foldably connected to the ends of said fifth panel, and to the upper edges of said end panels sealed together by said coating.

2,407,782
TRAY STACKER
John S. Hardy, Los Gatos, Calif.
Application May 19, 1944, Serial No. 536,337
1 Claim. (Cl. 214—6)

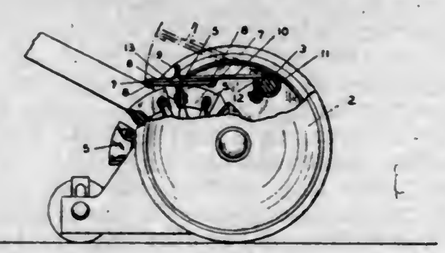
A tray stacked assembly including in combination: two parallel frame elements spaced apart, a track passing between said frame elements and from side to side thereof in a horizontal plane above the lower ends of the frame elements, trucks adapted to be moved along the track, a tray station at one side of the frame elements at a point above the top level of the trucks, an endless chain movable around each frame element, tray engaging elements on the chains yieldably projecting into the space between the frame elements and adapted to pick trays from said station and carry them over the frame elements and deliver them onto a truck standing on the side of the frame elements opposite that side on which the tray station is located, a pair of plates, such plates being spaced apart and one plate lying on each side of the track, such plates being

of a height not less than the height of a truck on the track, the tray engaging elements being adapted to engage the plates and to be thereby



deflected away from any truck standing on the track between the frame elements as such tray engaging elements move around the lower ends of the frame elements.

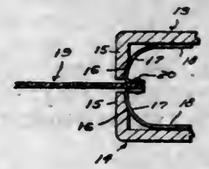
2,407,783
LAWN MOWER SHARPENER
Ole Herwick and Thomas M. Taylor, Portland, Oreg.
Application April 17, 1945, Serial No. 588,856
1 Claim. (Cl. 51—250)



A sharpening device for lawn mowers, comprising an elongated plate having return-bend longitudinal edges to form guides, an abrasive strip removably seated in said guides, arms projecting from one longitudinal edge of the plate, the ends of the arms being formed with means for pivotally connecting the plate on a fixture of the lawn mower to insure bodily swinging movement of the plate to and from the operating plane of the blades of the mower under a holding frictional grip, and a rigid rib extending lengthwise from that side of the plate opposite the abrading material, the rib being substantially in line with that portion of the abrasive strip cooperating with the mower blades when in sharpening position and resisting any bending of the blade during such cooperation.

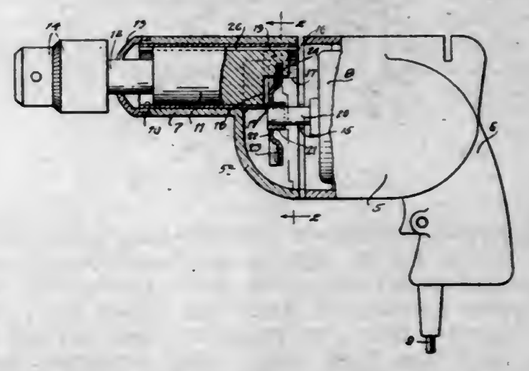
2,407,784
ROLLABLE TYPE WINDOW SCREEN
Ole J. Hoffstad, Rahway, N. J., assignor of one-half to August Bruns, Port Chester, N. Y.
Application September 14, 1944, Serial No. 554,014
2 Claims. (Cl. 160—273)

1. In a structure of the class described, a guideway for a screen of the class described made up of opposed parallel angle irons having flanges, the inner faces of said flanges being used to provide runways; a screen edge projecting between the flanges adjacent said runways, and spring clips



attached to said screen edge and having rounded portions workable in said runways.

2,407,785
RECIPROCATING TOOL
Edward M. Hoover, Anderson, Ind.
Application August 11, 1943, Serial No. 498,245
1 Claim. (Cl. 74—56)

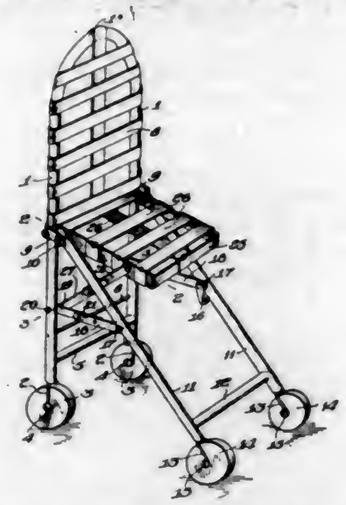


In a tool of the character described, a casing having a bearing at one end and an enlarged chamber at its other end, a hand grip carried by the chambered end of the casing, a tool-carrying plunger reciprocably mounted in the bearing end of the casing, a sleeve anchored in said bearing surrounding the plunger with one end projecting into the chambered end of the casing and having its lower portion cut-away, a motor in the enlarged chamber of the casing and a drive disk connection between the motor and plunger including a disk on the shaft of the motor, said disk having a sinuous peripheral edge, with the upper side thereof projecting into the cut-away portion of said sleeve, a block on the inner end of the plunger overlying the lower cut-away portion of said sleeve, the lower side of said block having a groove therein into which said sinuous peripheral edge of the disk extends and a splined key connection between said sleeve and said plunger whereby said plunger is free to reciprocate by driving connection with said motor and is restrained from rotation in said sleeve.

2,407,786
COMBINATION CHAIR AND COT
Frank Keest, Urbana, Ill.
Application June 18, 1945, Serial No. 600,139
4 Claims. (Cl. 155—45)

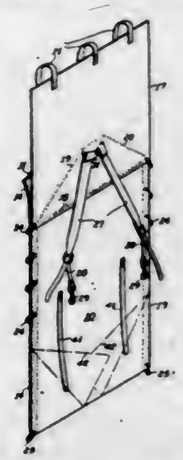
4. A combined chair and cot, comprising an inverted U-shaped frame adapted to form the rear legs and back of a chair; rear rollers journaled in the lower ends of the frame; a rod extending between the legs of the frame at the seat level; spaced back rest strips extending between the legs above said rod; an open seat frame of less width than the distance between legs of the frame, said seat frame being hinged on said rod and adapted to be swung from position substantially normal to the first frame into a position substantially aligned with the back rest strips; other spaced strips secured to opposite sides of

the seat frame; U-shaped clips on the legs of the U-frame transfixed by the ends of the rod and carrying pivot bolts; a U-shaped front leg frame of greater length than the distance between the rod and rear rollers having the upper ends of its legs pivoted on said bolts; front rollers journaled in the lower ends of the legs of the front leg frame; said front leg frame being adapted to be



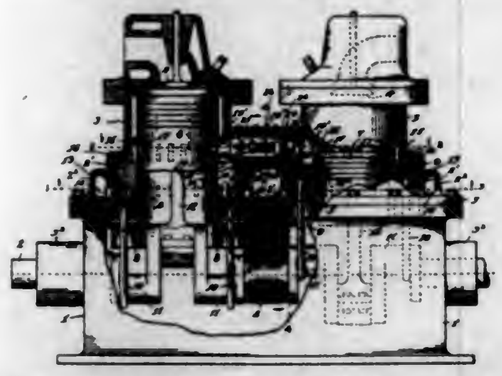
swung from a position substantially parallel with the first U-frame into a position inclined with respect thereto; means for maintaining said front leg frame in inclined position; means for locking the front leg frame in position substantially parallel with the first frame; and separate means for maintaining the seat frame substantially normal to the first frame.

2,407,787
PACKSACK
Ray Kernahan, Portland, Oreg.
Application October 18, 1943, Serial No. 506,665
3 Claims. (Cl. 224—8)



1. A pack-sack comprising an elongated sheet of material folded upon itself and sewed together along the opposite sides to form a sack open at the top, a cover flap sewed to the upper end of one side of said sack by a triangular stitching, the apex of the triangle being substantially centrally disposed adjacent the top of said side, the sides of said triangle sloping downwardly from said apex to the opposite side edges of said sack below said top, a draw string for drawing together the top of said sack, the lower end of said sack being adapted to be rolled up to a variable degree to provide a resultant sack of selective capacity, a pair of shoulder straps, means for securing the lower ends of said straps to the lower end corners of said sack in either the rolled or extended condition thereof, and means for securing the upper ends of said straps to the top of said side substantially at the apex of said triangle, in the rolled up condition of said sack.

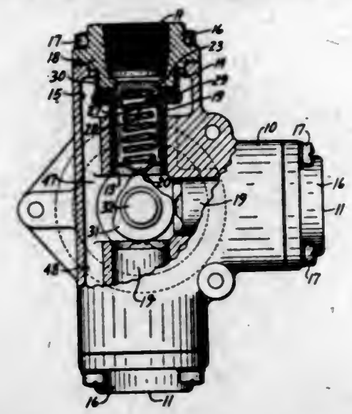
2,407,788
INTERNAL-COMBUSTION ENGINE
Richard H. Knauss, Peoria, Ill.
Application July 1, 1944, Serial No. 543,062
12 Claims. (Cl. 123—59)



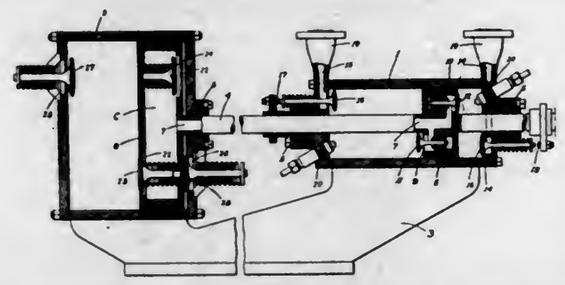
1. In combination, a pair of companion engines of the two cycle type jointly forming power unit and each including power piston and power cylinder, and including also a pressure piston and a compression cylinder, the latter to confine pressures set up by the former, like pistons of each engine acting in opposite directions, there being a transfer port in a wall of the compression cylinder of each engine in communication with the bore of that cylinder when the pressure piston is begnining its compression stroke, said port having communication with a source of fuel mixture, there also being a port in a wall of the power cylinder to communicate with the bore of the latter at the end of the fuel intake stroke of said power piston, said port and the first named port being communicable with each other and with the fuel source, there being a single avenue of communication between the bores of the compression cylinders of the two engines with each other, the two named ports of each engine also communicable jointly with the named avenue, a valve case lying in said avenue comprising two separate passages, and an elastically controlled valve in each passage and normally seated to close communication through said avenue and adapted to be unseated separately in opposite directions by pressures set up alternately in said compression cylinders by the pistons therein for directing pressure from one of each cylinder of one engine into the power cylinder of the companion engine in alternate order.

2,407,789
FLUID VALVE
Gustave J. Koehler, Dayton, Ohio
Application June 30, 1943, Serial No. 492,882
4 Claims. (Cl. 251—27)

1. In a fluid valve having a body portion, the combination of an element removably connected to said body portion and having a valve seat therein; a valve member operatively mounted in said body portion in substantial axial alinement with the element and removable from said body portion when the element is removed, said member movable in valve opening and closing directions; a part having a tapered seat-engaging surface thereon; an annular groove in the part; a halved washer secured in the valve member and loosely engaging the annular groove to form a lost motion connection between said member and the part, whereupon movement of said member in valve-closing direction causes the tapered surface, in cooperation with the valve seat, to move the part into accurate axial alinement with said seat regardless of any out-of-alinement condition existing between the valve member and the element; and yieldable means between the part and the valve member to cause the tapered surface on said part to resiliently engage the seat to insure a leak-proof seal between said surface and said seat.

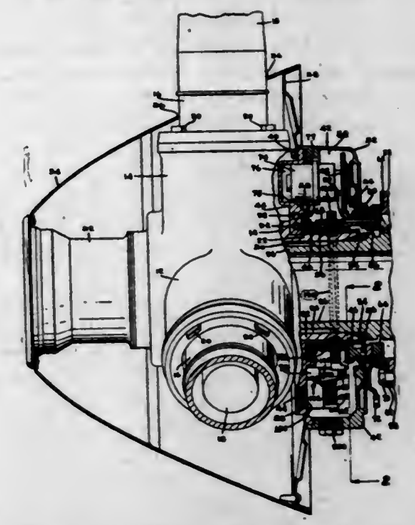


2,407,790
RECIPROCATING PRESSURE GENERATOR
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application February 3, 1944, Serial No. 520,973
4 Claims. (Cl. 123—46)



2. A power gas forming compressor comprising a power cylinder, a piston in said cylinder dividing the cylinder into two compression chambers, the cylinder being provided with an outlet passage leading from each compression chamber, a spring pressed valve normally closing each passageway, a piston rod on the piston and projecting through an end of the cylinder, means responsive to piston movement in the cylinder to alternately open said valves, a compression cylinder, said piston rod projecting into said compression cylinder, a piston on the rod within the compression cylinder and dividing the latter into two compression chambers, the compression cylinder being provided with a passageway leading from atmosphere into each such last named compression chambers, a spring pressed valve normally closing each of said last named passageways and adapted to alternately open and close in response to pressure differentials imposed in the compression cylinder in response to the movements of the piston therein whereby air will be alternatey drawn into each of the chambers in the compression cylinder and compressed therein, each of said pistons being hollow and the rod having a central passageway in open communication with the interior of each piston, each face of each piston being provided with an opening leading from the adjacent compression chamber into the interior of the piston, a spring pressed valve normally closing each opening, the valves in the piston in the compression chamber being operable to alternately open and close with the compression and suction strokes, respectively, of such piston whereby compressed air will flow with each such compression stroke from the adjacent compression chamber through the hollow rod and to the interior of the piston in the power cylinder and open that valve therein which is in communication with the compression chamber in the power cylinder which faces away from the direction of the then compression stroke of such latter piston, the valve in the passageway leading from such compression chamber being then open, means to admit fuel into the opposite compression chamber in the power cylinder, the valve in the passageway leading from such latter chamber being then closed, and outlet means to exhaust the compressed air and combustion gas mixture.

2,407,791
GOVERNOR VALVE
Thomas B. Martin and John F. Haines, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 1, 1942, Serial No. 445,366
18 Claims. (Cl. 170—163)

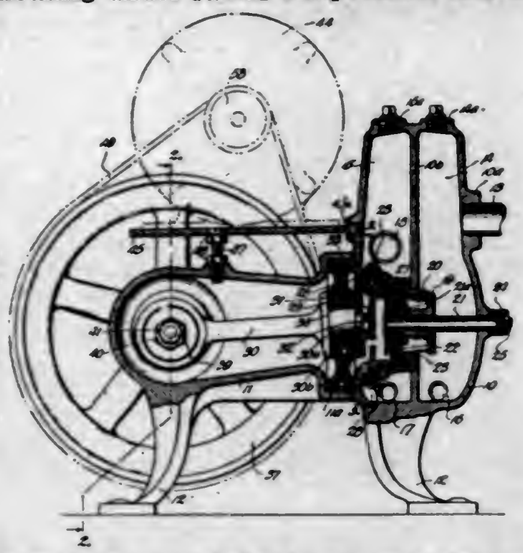


1. In an aircraft propeller, the combination of a cylindrical porting sleeve, a piston valve movable longitudinally relatively thereto, means mounting the sleeve and valve for rotation with the propeller, means including a balance of spring force and centrifugal force for maintaining the sleeve and valve in a relatively equilibrium position but adapted on domination by either spring force or centrifugal force to effect relative unidirectional movement of the valve and sleeve, and means operative upon rotation of the propeller effecting sustained vibratory reciprocating movement of the valve and along the same path as said unidirectional movement.

2,407,792
DIAPHRAGM PUMP
James O. McMillan, Wichita, Kans.
Application February 5, 1945, Serial No. 576,294
4 Claims. (Cl. 103—150)

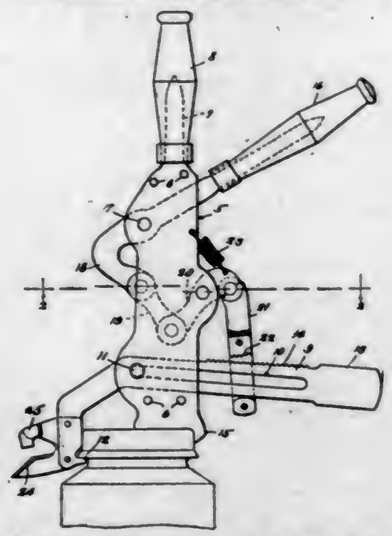
1. In a diaphragm pump the combination with a pump housing of a pressure chamber therein having inlet and outlet ports, valves for said ports,

an annular flexible diaphragm disk having circumferential exterior and interior grooves, seal rings in the grooves, said diaphragm mounted in the housing under radial compression and oscil-



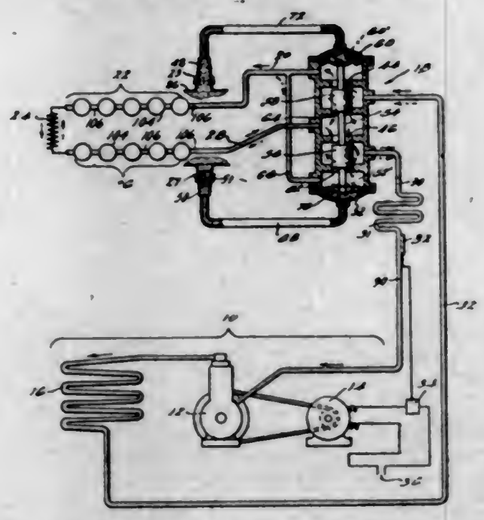
lating means connected into its central aperture for pulsating the diaphragm to pump fluid through the pressure chamber said seal rings cooperating with the housing and oscillating means to seal the pressure chamber at the diaphragm.

2,407,793
BOTTLE CAP OR JAR COVER REMOVER
Roscoe A. Mitchell, Evansville, Ind.
Application September 2, 1943, Serial No. 500,969
3 Claims. (Cl. 81—3.46)



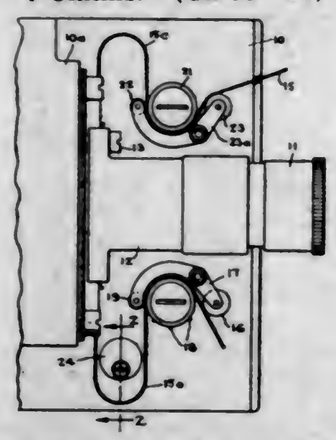
1. A jar cap remover comprising a body portion, one end of the body portion adapted to rest on a jar cap, a transversely disposed lifting arm pivotally connected with the body portion, one end of said lifting arm adapted to engage under a jar cap to be removed, a substantially vertical arm having an elongated opening through which the lifting arm extends, a link pivotally connected with the body portion and to which the substantially vertical arm is pivotally connected, a pressure arm pivotally mounted on the body portion, a link connecting said pressure arm and the link connected with the substantially vertical arm, whereby pressure directed to the pressure arm operates to lift the cap-engaging end of the horizontal arm, and a coiled spring connected with the body portion and pivoted link, said spring adapted to normally pull the vertical arm upwardly.

2,407,794
REFRIGERATING MECHANISM
Glenn Muffly, Springfield, Ohio
Original application November 8, 1933, Serial No. 697,124. Divided and this application January 23, 1939, Serial No. 252,291
2 Claims. (Cl. 62—2)



1. In a refrigerating system, a pair of heat exchangers, means including a capillary passage connecting said heat exchanger in series, said capillary passage acting as a refrigerant flow controlling means, and means for causing refrigerant to reverse its direction of flow through said heat exchangers and capillary passage.

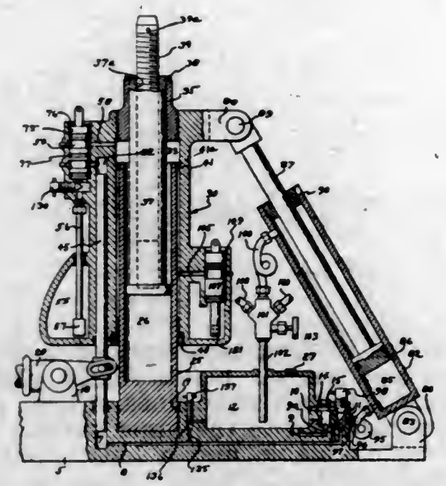
2,407,795
DEVICE FOR MAINTAINING FILM LOOPS
Clarence L. Nelson, Minneapolis, Minn.
Application September 25, 1944, Serial No. 555,603
7 Claims. (Cl. 88—17)



1. A device for maintaining a film loop in a motion picture projector or other device comprising a roller disposed adjacent the end of said loop, a member on which said roller is eccentrically journalled, said roller normally being disposed with the part of its periphery farthest from said member remote from the end of said loop, said roller being adapted to be rotated by said film if said loop is sufficiently diminished to bring said part adjacent the end of said loop to restore said loop.

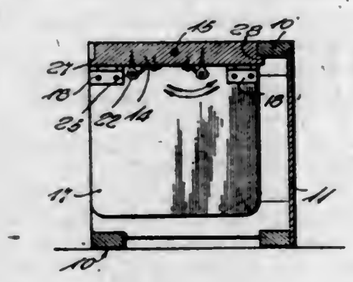
2,407,796
TRIPOD JACK
Herbert E. Page, Pasadena, Calif.
Application August 17, 1943, Serial No. 498,930
13 Claims. (Cl. 60—52)

1. In a jack, the combination of a base, a telescopic work-engaging member mounted for telescopic movement perpendicular to the base, pressure-actuating means for extending the work-engaging member, and means for laterally supporting the work-engaging member comprising a plurality of telescopic support members, each including a cylinder and a piston, disposed



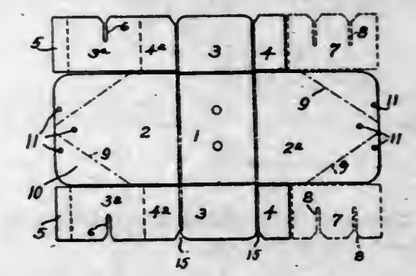
symmetrically around and inclining towards the work-engaging member, each of said telescopic support members being secured at its opposite ends to the base and work-engaging member, and hydraulic pressure-generating means communicating with the cylinders of the support members.

2,407,797
BOOKRACK OR CASING
Willis L. Ramsey, Parma, Mo.
Application October 27, 1944, Serial No. 560,635
3 Claims. (Cl. 211—42)



1. In a device of the character described, a frame having upright partitions mounted thereon, a member connected to the top at an outer edge of each partition, a pivot supported by the partitions near their upper edges, book carriers in the spaces between the partitions oscillatably mounted on the pivot, shoulders on the ends of each book carrier for alternately engaging the upper and lower surfaces of said member of the frame whereby the book carrier is arrested in its movement when oscillated, book backings associated with each of the book carriers, a hinge by which each book backing is mounted on the book carrier, said book carrier having recesses in its side edges forming clearances for the butts of the hinges, means for securing the hinges to the book carrier and book backing, respectively, and means on the book carrier for holding a book thereon.

2,407,798
BOTTLE CARRIER
William A. Ringler, Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application November 12, 1942, Serial No. 465,329
1 Claim. (Cl. 229—28)

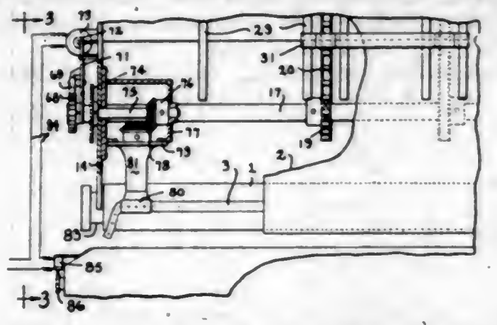


A blank for a bottle carrier formed of bendable sheet material such as boxboard, said blank having a bottom panel, end wall panels articulated thereto, said end wall panels being of sufficient depth to retain bottles against toppling, partial side wall panels articulated to each side of each of said end wall panels, a partition panel articulated to one of said partial side wall panels of each end wall panel, and an attachment flap articulated to each of said partition panels, said end wall panels together with said partial side wall panels and partition panels adapted to form a tubular structure at each end of said bottom panel when said attachment flaps are fastened to the respective opposite partial side wall panels, said partial side wall panels being less in width than half the length of the bottom wall panel, and main side wall panels articulated to the sides of the bottom panel, and when erected with respect to the bottom panel adapted to form partial carrying elements, said tubular structures being capable of erection with respect to the bottom panel to form upwardly open pockets lying within said partial carrying elements, said pockets being closed on the bottom by said bottom panel, the depth of said side wall panels being substantially equal to the combined width of a partial side wall panel, a partition panel, and an attachment flap, so that when said blank is cut from a substantially rectangular piece of sheet material, there remain two rectangular pieces equal in depth to the partition panels and in length to a combined partition panel and attachment flap, said partition panels having inwardly extending slots, and said rectangular pieces having mating slots whereby said rectangular pieces may serve as longitudinal partition panels.

2,407,799
CARBON FEEDING MEANS FOR MANIFOLDING MACHINES
Robert W. Ritzert, Dayton, Ohio, assignor to The Egry Register Co., Dayton, Ohio, a corporation of Ohio
Application April 28, 1943, Serial No. 484,810
5 Claims. (Cl. 197—126)

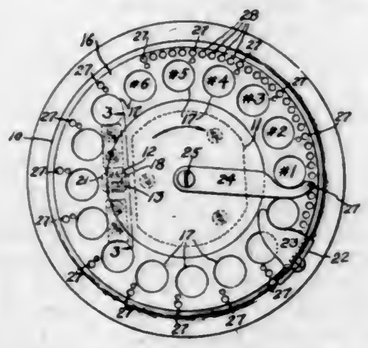
1. A typing machine including a platen, means for moving paper over the platen, a carbon ribbon extending crosswise of the paper and lengthwise of the platen, means for moving said carbon ribbon over the paper both of said paper moving means and ribbon moving means including an electromagnet in common, and means for energizing said electromagnet intermittently in accordance with line spacing and sweep feeding operations of the machine, said last mentioned means including an electrical circuit and a switch

therein, also including a star wheel adapted to intermittently operate said switch in accordance



with the desired line-spacing and sweep feeding operations of the machine.

2,407,800
EXPOSURE TIMING MECHANISM
Roland L. Smith, Belmont, Mass.
Application January 26, 1945, Serial No. 574,662
6 Claims. (Cl. 161—1)

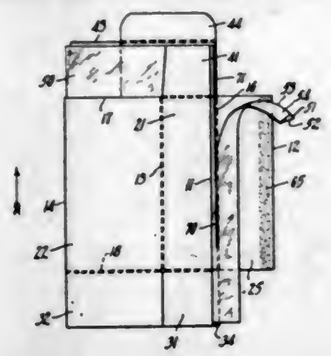


1. In a timing instrument, the combination of a rotatably supported switch-operating dial whose outer marginal portion is made with a concentric row of finger-sockets angularly spaced apart equidistantly at relatively large intervals and also with a concentric row of supplemental sockets spaced apart equidistantly at smaller angular intervals that subdivide the intervals between said finger-sockets; a radial arm pivotally supported for independent rotative adjustment at times on the axis of said dial to set said arm in a definite time-indicating position relatively to said dial; a fixed finger stop, and means on said arm for engaging one of said supplemental sockets to positively adjust said dial rotatively when said arm is swung by finger pressure toward said finger-stop.

2,407,801
METHOD OF PREPARING FRUIT FOR MARMALADES, ETC.
Otto J. Steinwand, Redwood City, Calif.
No Drawing. Application June 12, 1943, Serial No. 490,675
5 Claims. (Cl. 99—102)

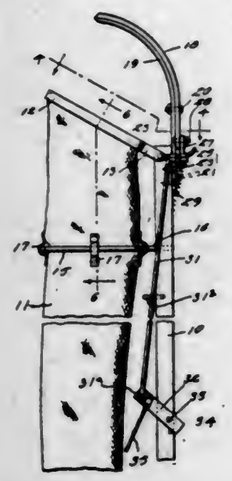
1. The process for preparing citrus fruits for the making of marmalades, jams, preserves, which comprises abrading the peel of the fruit to open the oil cells, submerging the abraded fruit while whole in a weak acid solution to convert the protopectin of the peel to pectin, washing the fruit in clear water to remove the excess acid, cutting the thus treated fruit to desired size and thickness, and finally cooking the cut fruit with additional syrup, sugar and pectin as desired to complete the product.

2,407,802
LINED CARTON
Herbert J. Stotter, Shaker Heights, Ohio
Application May 1, 1941, Serial No. 391,318
1 Claim. (Cl. 229—14)



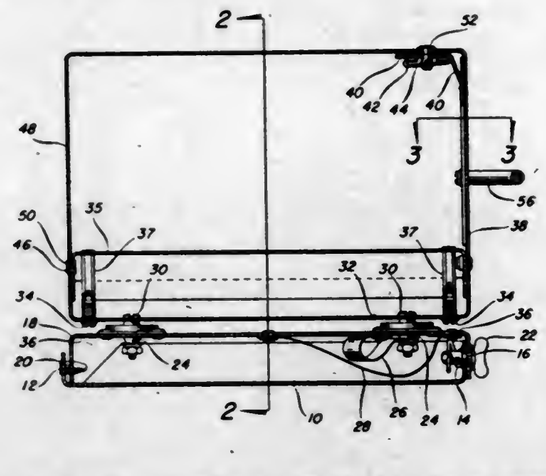
In a carton of the class described, a flat tubular four-sided carton blank folded along two parallel longitudinal score lines, a heat-sealable liner sheet adhered to the inner surface of said tubular carton blank, and a longitudinal seam in said liner, said seam being comprised of heat-sealed edges of said liner sheet and located at a fold in said blank, said blank having a second pair of longitudinal score lines parallel to said two score lines and top and bottom fold lines transverse to said score lines, said score lines and said fold lines defining a front panel, a back panel, and two side panels, and a transverse heat-sealed seam extending across said liner parallel to said bottom fold line, said transverse heat-sealed seam being spaced from said bottom fold line at least a distance equal to the square root of one-half the product of the widths of the front panel and the side panel.

2,407,803
FRUIT CLIPPER
Walter O. Thomas, Winter Park, Fla., assignor, by decree of distribution, to Carrie D. Thomas and W. Maureen Thomas
Application February 2, 1944, Serial No. 520,789
4 Claims. (Cl. 56—336)



1. A fruit picker comprising a staff, a fruit receiver supported by the staff and provided with a pivotal member at its receiving end for holding said end of the receiver open, said pivotal member being provided with a crank arm extending outwardly from its pivot point, a cutter on the fruit opposing end of the staff comprising a stationary blade and a pivotal blade, a rocker supported by the staff and formed with an opening for receiving the crank arm at one side of the fulcum point of said rocker, a connection between the distal end of the rocker and the pivotal blade, a hand lever on the staff and a connection between the hand lever and the remaining end of the rocker.

2,407,804
RADIO CABINET AND SHOCKMOUNT BASE
Henry T. Winchel, North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 5, 1943, Serial No. 481,899
4 Claims. (Cl. 174—51)

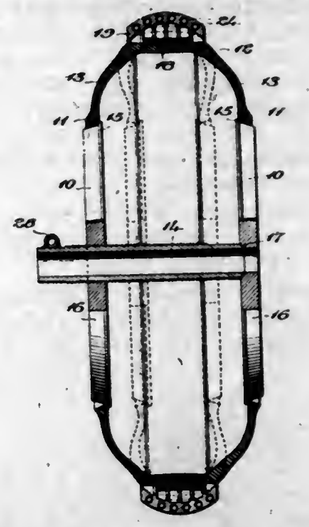


3. A shockmount base adapted to be secured to a mounting base having opposite upwardly-extending side walls, one of which contains inwardly-extending pins, and the other of which contains means for engagement by screw-type securing means; said shockmount base comprising a plate having downwardly extending side walls at opposite edges, one of which side walls has holes therein adapted to engage said pins of the mounting base when positioned within the wall containing said pins, and the other of which side walls is adapted to rest against the outer surface of the other side wall of the mounting base and includes screw-type securing means for detachably securing said last-mentioned walls together, whereby said shockmount base is removable from said mounting base following disengagement of said securing means by sliding movement to disengage said holes from said pins, said shockmount base having shockmounts secured thereto and extending therebelow, a grounding jumper connecting at least one of said shockmounts to said plate and extending therebelow, and a shielding member extending over said jumper to protect it from injury during movement of said shockmount base to detach it from said mounting base.

2,407,805
EXPLOSIVE COMPOSITION
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application May 16, 1944, Serial No. 535,873
5 Claims. (Cl. 52—13)

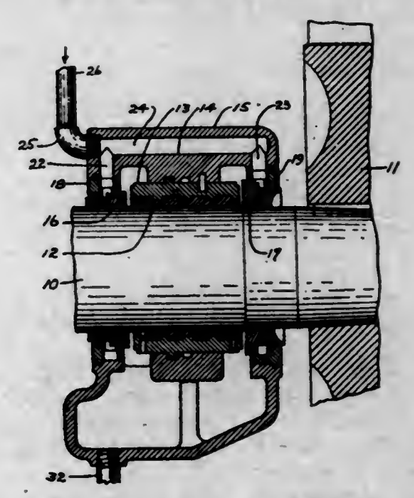
1. A composition of matter comprising essentially 46–52% of pentaerythritol tetranitrate, 42.5–47.5% trinitrotoluene and 2.5 to 7.5% dipentaerythritol hexanitrate.

2,407,806
APPARATUS FOR APPLYING TREAD MATERIAL TO TIRE CASINGS
Mervin V. Arnold, Clay, N. Y., and James W. Napier, Macon, Ga.
Application May 21, 1943, Serial No. 487,946
11 Claims. (Cl. 18—18)



9. Apparatus of the character described comprising a rotatable shaft, a rotatable exteriorly threaded arbor, means to mount said arbor upon said shaft coaxially therewith for rotation by the same, a pair of members supported by said arbor coaxially therewith for rotation therewith, said members having portions for engagement with the inner edges of the bead portions, respectively, of a tire casing to mount the casing upon said members and said arbor concentrically with respect to the latter for rotation therewith, said members further having portions for engagement with the inner faces of the side walls of a tire casing mounted upon said members, and at least one of said members being threaded upon said arbor for movement therealong away from and toward the other member to spread apart and to release for contraction the side walls of a tire casing mounted upon said members.

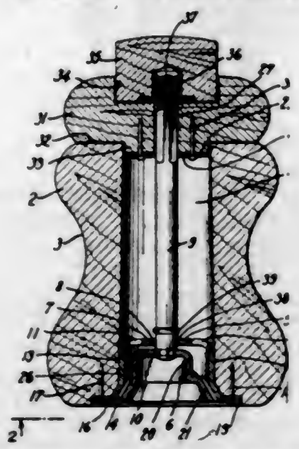
2,407,807
BEARING
Oliver D. H. Bentley, Dover, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application February 29, 1944, Serial No. 524,414
1 Claim. (Cl. 230—207)



In a blower having a blower wheel with a gas inlet, a supporting shaft for said wheel, a bear-

ing surface around said shaft adjacent the inlet of said wheel, a bearing retaining member attached to said surface, annular rings attached to said shaft on both sides of said surface, a bearing housing around said member and surface, said housing having end walls contacting said rings and having an outer wall spaced from said member and forming therewith a gas passage extending longitudinally of said housing between said end walls, said end walls being spaced from said member for forming gas passages on both sides thereof opening into said longitudinally extending passage, and means forming a gas passage between said longitudinally extending passage and a point external said housing.

2,407,808
PEPPER MILL
Elbert Litton Bivans, Los Angeles, Calif.
Application January 22, 1945, Serial No. 573,835
1 Claim. (Cl. 241—168)

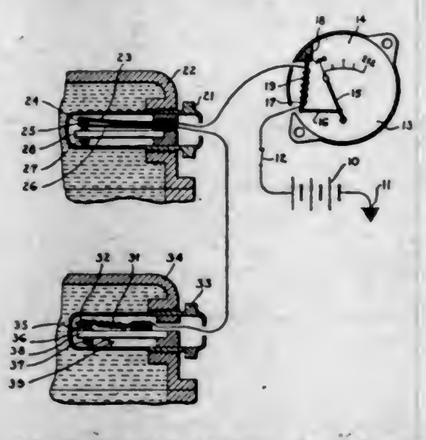


Grinding apparatus comprising sheet metal inverted cup-shaped inner and outer grinding elements, one within the other, said outer grinding element having an end wall having a bearing aperture centrally thereof and feed apertures on opposite sides of said bearing aperture, said outer member having a side wall the innermost portion of which is provided on its inside with inclined ridges and the outermost portion of which is provided on its interior with a comparatively short conical grinding surface concentric with said bearing aperture, a shaft rotatably supported in said bearing aperture in said outer element and secured to said inner element, said inner element having an eccentric side wall opposite said ridges and on its outer surface having a comparatively long conical grinding surface concentric with said shaft, the inner end of said grinding surface on said inner element projecting inwardly beyond the inner end of the grinding surface on said outer element whereby preliminary crushing is effected between said eccentric portion of said inner element and said ridges on said outer element and also between the side wall of said outer element and the inner end of the grinding surface of said inner element.

2,407,809
TREATMENT OF OXIDE COATED ALUMINUM ARTICLES
Edward V. Blackmun, Bay Village, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 20, 1943, Serial No. 476,655
4 Claims. (Cl. 148—6)

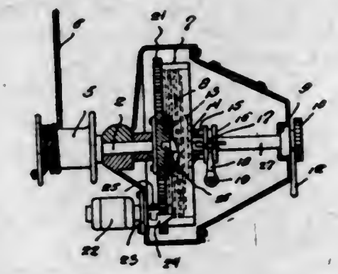
1. The method of uniformly coloring an aluminum article having an oxide coating anodically produced in strong acid electrolyte, said coating containing entrapped acid electrolyte, comprising immersing said article in an aqueous bath containing as a predominant component about 1 to 20 per cent by weight of dissolved alkali metal oxalate, said bath being at a pH of about 4.5 to 8, and at a temperature of about 100 to 200° F., whereby irregular coloring and spotting of the coating by the subsequent coloring step is prevented, and thereafter immersing said article in a coloring solution.

2,407,810
ELECTRICAL INDICATING SYSTEM
Leonard Boddy, Ann Arbor, Mich., assignor to The Anderson Company, a corporation of Indiana
Substitute for application Serial No. 430,785, February 13, 1942. This application November 19, 1945, Serial No. 629,552
2 Claims. (Cl. 73—347)



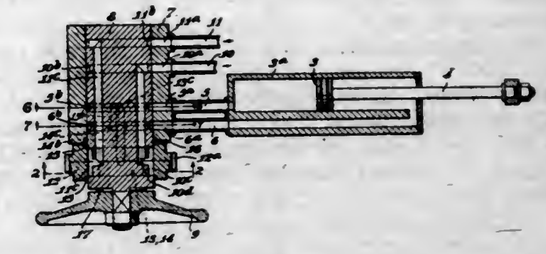
1. In an indicator system for showing operating conditions in connection with an internal combustion engine having a water cooling system comprising an electrical transmission circuit, including parts for its operation, a sender extending into the water cooling system adjacent one cylinder, the sender being continuously responsive to the temperature of its environment and including a housing threadedly connected to the block of said engine, an insulated take-off terminal carried by said housing, a bimetallic element supported at one end in said housing, a contact carried by the movable opposite end of the element, a stationary contact insulated from said element electrically connected to said housing and engine, a heating element associated with and influencing the action of said bimetallic element connected to said movable contact and to said take-off terminal, a receiver including a movable indicator and a dial for continuously indicating the temperature of the sender environment, a bimetallic member actable on said indicator and a heating member associated with and influencing the action of said element, said heating member being connected to one side of a source of electrical potential, said sender and receiver being of the wattage integrator type in which the wattages converted to heat by the receiver and sender bear a constant ratio to one another regardless of variation of source voltage or of resistance in series with the sender and receiver, and such wattages diminish progressively as a dangerous environmental temperature is approached, and finally when the dangerous temperature is reached, substantially disappear because of the maintenance by the sender of substantially a continuous open condition of the circuit, and a thermo-responsive switch extended into the water cooling system adjacent a second cylinder, said switch including a housing threadedly connected to the engine block, a pair of insulated terminals supported by said housing, one of said terminals being electrically connected to the heating member associated with the receiver and the other terminal being electrically connected to the take-off terminal associated with the sender, a member having one end normally engaging said other terminal of said pair of terminals and a contact carried by its other end, and a bimetallic element having one end electrically connected to the said one terminal and a contact adjacent its other end engageable with the contact of said member, said switch being constructed and arranged to remain normally closed and being normally without effect upon the receiver indication, but to open when a dangerous temperature occurs in its environment, so that the same indication will be immediately given by the receiver in response to a dangerous condition in the environment of the switch as is given in response to a dangerous condition in the environment of the sender.

2,407,811
HOIST
Ellis W. Brundage, Sheridan, Mont.
Application January 24, 1945, Serial No. 574,272
3 Claims. (Cl. 254—187)



1. A hoist comprising a first horizontal shaft carrying at one end a drum for winding a hoist cable and at the other end a flywheel member, a clutch housing, said first shaft being journaled at an intermediate portion thereof in a first wall of said clutch housing, a second horizontal shaft aligned with said first shaft and journaled at one end in said flywheel member and at the other end in a second wall of said clutch housing, said second shaft carrying a ratchet element, pawl means on said clutch housing arranged to allow rotation of said second shaft only in a cable winding direction of said first shaft when said first and second shafts are coupled together, said flywheel member being provided with a first clutch element, said second shaft being provided with a second clutch element secured thereto to cooperate with said first clutch element to rotatably connect said second shaft to said flywheel member, means for moving said second clutch element into operative engagement with said first clutch element, gear means formed on the periphery of said flywheel, driving means for said gear means, said driving means comprising an electric motor mounted on said clutch housing, the shaft of said motor being horizontal and parallel with said first shaft of the hoist, said motor shaft extending into the housing beyond the plane of said flywheel, the inwardly extending portion of said motor shaft being threaded, a pinion member threadedly engaged with said motor shaft and adapted to be moved into meshing engagement with said gear means upon actuation of said motor by a source of electric power of definite polarity, abutment means maintaining said pinion member in meshing engagement with said gear means during operation of said motor, said definite polarity of the power source being such as to rotate said motor shaft to produce rotation of said first hoist shaft in the winding direction of said hoist cable.

2,407,812
MEANS FOR THE REMOTE CONTROL OF FLUID PRESSURE ACTUATED APPARATUS
Sidney Richard Cain, Henley-on-Thames, England
Application May 10, 1944, Serial No. 534,972
In Great Britain April 30, 1943
3 Claims. (Cl. 121—41)



1. In a machine of the character described, a movable member, a fluid motor for operating said member including a cylinder and piston, a manually operated distributor adapted to be interposed between a source of fluid pressure supply and the said movable member, said distributor having a housing, a set of ports comprising an inlet port connected to the source of supply and an exhaust port, a second set of ports in said housing connected to the cylinder of said fluid motor to thereby provide for moving said piston, said piston having a piston rod connected outside the said cylinder to said movable member, power imparting means carried by an end of said movable member, an inner and an outer ported element forming cooperating ported elements one of which is manually operated and the other of which is power driven by said power imparting means in synchronism with the movable member, all of the ports in the said distributor housing communicating with a corresponding number of ports in the periphery of the inner ported element, said latter ports all contained in a common plane normal to the axis of the inner element and all being surrounded by the outer ported element, the latter ported element having a pair of diametrically opposed ports extending around the circumference of the inner ported element so that in the idle setting of the distributor the ports in the outer element communicate with the ports in the periphery of the inner element communicating with only one of the said sets of ports in the housing, but adapted to move into communication with the other ports in the inner element immediately when rotation is imparted to one ported element relatively to the other, whereby movement of said movable member is maintained by moving said manually operated member to a selected predetermined port alignment with the said set of ports connected to the fluid motor for driving said piston and movable member to impart movement to said power driven ported element, until movement of said manually driven ported element is arrested and breaks said port alignment and stops movement of said movable member by the final movement of the piston.

2,407,813
PROCESS FOR MANUFACTURE OF SUPPORTED CATALYSTS
Harry A. Cheney, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 21, 1943, Serial No. 491,723
8 Claims. (Cl. 252—253)

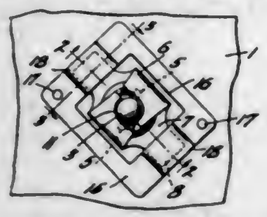
5. In the preparation of catalysts comprising a metal selected from the group consisting of cobalt and nickel and activated carbon particularly effective in the conversion of olefinic hydrocarbons to the lower boiling of the linear polymers thereof, the method of obtaining catalysts of substantially improved uniformity with respect to composition and catalytic activity which comprises admixing an aqueous solution of a nitrate of a metal selected from the group consisting of cobalt and nickel with activated carbon in a closed vessel, applying heat to the vessel under controlled conditions effecting a gradual increase in the temperature of the contents thereof up to about 400° C., removing volatilized materials and decomposition products from the vessel substantially as rapidly as formed therein, continuing the heating until evolution of any substantial amount of decomposition products has ceased, cooling the contents of the vessel, and maintaining a subatmospheric pressure below about 150 mm. of mercury in said vessel during said admixing, heating and cooling steps.

2,407,814
CATALYSTS
Harry A. Cheney, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 21, 1943, Serial No. 491,724
5 Claims. (Cl. 252—251)

4. In the preparation of catalysts comprising activated carbon and a metal of the group consisting of cobalt and nickel, the method of obtaining catalysts of improved uniformity with respect to composition and catalytic activity which comprises heating an admixture of activated carbon and an aqueous solution of a nitrate of a metal selected from the group consisting of cobalt and nickel in a closed vessel under conditions of progressively increasing temperature, removing volatilized material and gaseous decomposition products from the vessel, introducing water into the vessel to assure the presence of water therein throughout said heating, continuing said heating in the presence of added water until at least a substantial part of the metal nitrate has undergone decomposition, and thereafter heating the contents of the vessel without further water addition at a higher temperature not substantially in excess of that required to effect decomposition of the remaining nitrate.

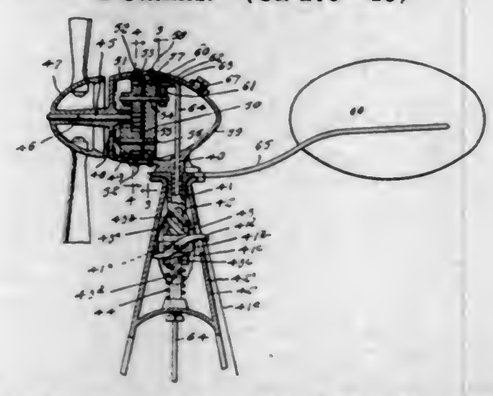
2,407,815
SHIFTABLE COWLING AND LIKE SOCKET FASTENER MEMBER
Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application September 14, 1942, Serial No. 458,239
6 Claims. (Cl. 24—221)

1. A shiftable socket fastener member for attachment to an apertured support comprising a stud-receiving socket having an elongated base with an aperture and a raised stud-engaging seat adjacent said aperture, the opposite end portions of said base being of less width than the intermediate portions of the base and constituting bearing sections, and a plate-like attaching member adapted to be securely attached to a support and having an aperture adapted to be aligned with the aperture of the stud-receiving socket in any of the shiftable positions, portions of said member on diametrically opposite sides of the aperture thereof being outwardly dished pro-



viding recesses for loosely receiving and confining said narrow bearing extensions, and portions of said member extending under said outwardly dished portions and constituting supporting members upon which said bearing extensions are adapted to slidably bear and maintain said member and socket in shiftable assembled relation prior to attachment of the fastener to a support.

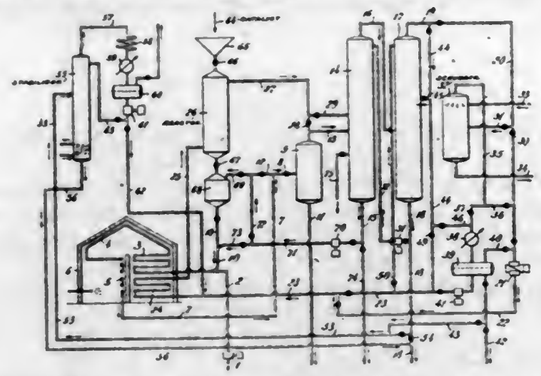
2,407,816
FOLDING TAIL VANE WINDMILL
Severin F. Czerner, Kings Mill, Tex.
Original application December 30, 1943, Serial No. 516,310. Divided and this application September 22, 1944, Serial No. 555,300
4 Claims. (Cl. 170—46)



1. A device of the class described having a body, a shaft journaled therein for rotation through the action of a wind wheel, a rod to actuate a pump or the like, a crank connected to said rod, gearing driven by said shaft and operatively connected to said crank, a tower, a wind vane, a tube journaled in said tower and connected to the wind vane, a tube depending from the body passing through and beyond the first-mentioned tube, said rod extending through the second-mentioned tube, a collar on the tubes, a lug and spiral groove connection between the collar and each of the tubes, a furling element, and a lever to actuate the collar for operation by the furling element for rotating the first mentioned tube relatively to the last mentioned tube.

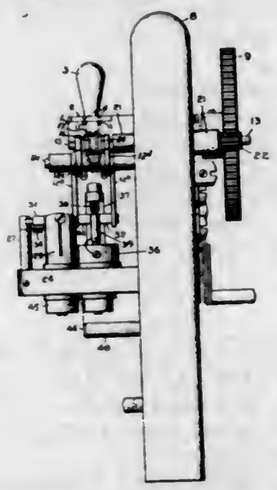
2,407,817
CONVERTING HYDROCARBONS
Arthur V. Danner, Villanova, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1945, Serial No. 585,349
8 Claims. (Cl. 196—52)

1. In a process for the conversion of hydrocarbons of higher boiling point to motor fuel of high quality the steps which comprise: subjecting a liquid hydrocarbon to cracking conditions of time, temperature and pressure to convert a substantial portion thereof to gasoline and other portions thereof to olefines, in the presence of a solid, particle-form adsorptive contact mass maintained in suspension in said charge, separating the products of such cracking into vapors and a liquid fraction containing the suspended solid, fractionating the vapors into an olefine containing fraction, a gasoline, and a heavier-



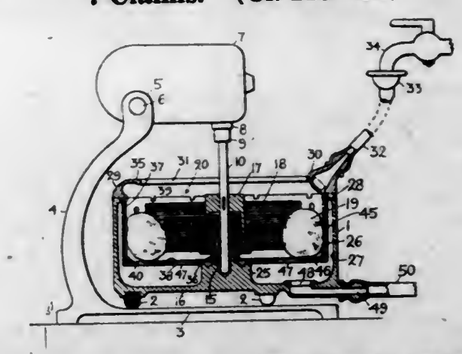
than-gasoline fraction, contacting the olefine fraction at reaction conditions of temperature and pressure with a solid particle form adsorptive catalytic contact mass to convert a substantial portion thereof to material of gasoline boiling range, passing the vaporous products of such conversion to common fractionation with the vapors of the first cracking operation, removing contact mass from the olefine conversion stage, and injecting said contact mass into suspension in the hydrocarbon in the first cracking operation.

2,407,818
AUTOMATIC TELEGRAPH TRANSMITTER
José Gomes de Almeida, Rio de Janeiro, Brazil
Application June 8, 1944, Serial No. 539,238
In Brazil June 8, 1943
3 Claims. (Cl. 178—17)



1. In an automatic telegraph transmitter, a tape support over which tape can be passed in a predetermined tape plane, a pecker axle extending parallel to said tape plane, two pecker sleeves rotatable on said pecker axle, two pecker bars projecting radially from said two pecker sleeves, respectively, substantially in a plane parallel to said tape plane, two peckers, integral with the free ends of said pecker bars, respectively, and projecting at right angles from the latter toward said tape plane, a cam shaft extending parallel to said pecker axle adjacent to and transversely of said pecker bars, two eccentrics fixed on said cam shaft for cooperation with said two pecker bars, respectively, said eccentrics being shaped to prevent normally rocking movements of said pecker bars and peckers towards said tape plane and to permit rocking of each pecker bar and pecker towards said tape plane for a fraction of each revolution of the cam shaft, two wire springs, each having one end thereof supported on one of said eccentrices and being wound around said pecker axle with the opposite end of each spring acting on the corresponding pecker bar to urge the same against the associated eccentric, two substantially parallel transmitter bars integral with said pecker sleeves and projecting radially therefrom, and a transmitter lever disposed adjacent the free ends of said transmitter bars, said transmitter lever being rockable on an axis in a plane extending between said transmitter bars at right angles to said pecker axle.

2,407,819
POTATO PEELER
Charles H. Dolan, II, Old Greenwich, Conn.
Application February 9, 1945, Serial No. 576,991
7 Claims. (Cl. 146—50)

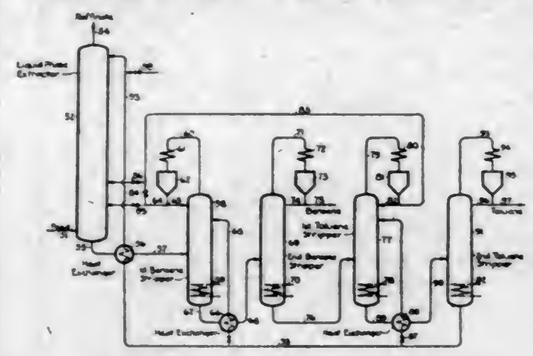


2. A potato peeler comprising an outer cylindrical bowl open at one end and having a bottom plate; a shaft rotatively supported in the bottom plate, the outer end of the shaft being arranged to be connected with a source of power for its rotation; an inner bowl having cylindrical walls open at one end and closed by a bottom plate at the other end, the walls and the bottom plate of the inner bowl being spaced from the walls and from the bottom plate of the outer bowl and provided with drain holes; means to admit water into the inner bowl, the inner bowl being adapted to receive vegetables to be peeled; means on the shaft for moving the vegetables around in the inner bowl; and sheets of an abrading material removably supported on the inner surface of the inner bowl for abrading the vegetables, the outer bowl having an opening for draining the water.

2,407,820
PROCESS FOR SEPARATING AROMATIC HYDROCARBONS
Emmett L. Durrum, Palo Alto, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 23, 1943, Serial No. 480,251
6 Claims. (Cl. 260—674)

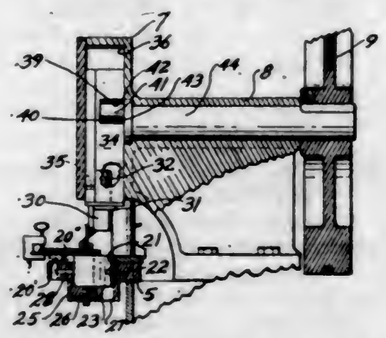
5. In a process for separately recovering a plurality of successively higher-boiling aromatic hydrocarbons from a mixture containing them and non-aromatic hydrocarbons which, upon distillation of said mixture, normally form low-boiling azeotropes with said aromatic hydrocarbons, the steps of extracting said mixture in the liquid phase in an extraction zone with a relatively

high-boiling selective solvent for aromatic hydrocarbons under conditions to form extract and raffinate phases, said extract phase containing said aromatic hydrocarbon in excess of that quantity of said non-aromatic hydrocarbons which can form azeotropes therewith, separating said phases, distilling said extract phase under conditions to take overhead first azeotropes formed with the lowest boiling of said aromatic hydrocarbons and to leave a first bottom product comprising said solvent and an excess of said lowest boiling aromatic hydrocarbon substantially free from non-aromatic hydrocarbons which normally form azeotropes therewith, and higher boiling hydrocarbons, condensing said overhead azeotrope, returning at least a portion



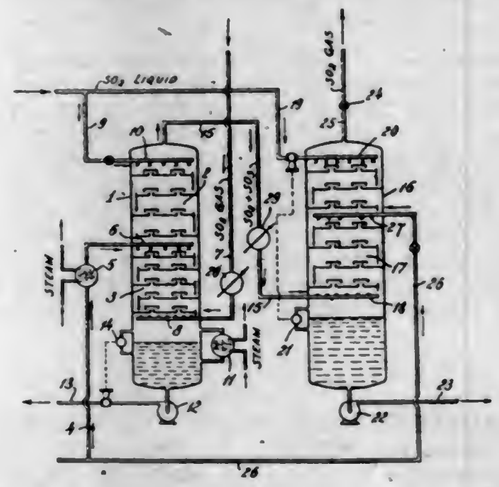
of the resulting condensate to said extraction zone, distilling said bottom product under conditions to take overhead said low-boiling aromatic hydrocarbon and to leave a second residual bottom product comprising solvent and residual hydrocarbons substantially free from said low-boiling aromatic hydrocarbon, distilling said second bottom product under conditions to take overhead second low-boiling azeotropes formed with the next higher boiling aromatic hydrocarbon and to leave a third bottom product comprising solvent and an excess of said next higher boiling aromatic hydrocarbon substantially free from the non-aromatic hydrocarbons which form azeotropes therewith, and distilling said third bottom product under conditions to take overhead said next higher boiling aromatic hydrocarbon.

2,407,821
INDENTING DEVICE
Burr N. Engle, Los Angeles, Calif., assignor to Inga M. Engle, Los Angeles, Calif.
Application June 13, 1944, Serial No. 540,167
8 Claims. (Cl. 76—29)



1. In a notching device for bands, blades, plates, etc., a supporting means having male and female die elements attached thereto and arranged to contact one another, power means connected with one of the elements for moving it into and out of contact with the other element, a bed plate, a carrier for holding and moving the thing to be notched, plate means supported by the bed plate and having a snug fitting bearing means with one of the die elements so as to be set in any one of a plurality of angular positions with respect to the other die element, guide means fixed to the plate means and in contact with the carrier to direct it along a definite path across a portion of one of the elements, operating means for automatically moving the carrier a predetermined distance at each stroke of the moving element, and clamping means for holding the thing to be notched on the carrier for movement therewith as each notch is cut.

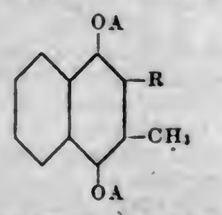
2,407,822
METHOD FOR MAKING ACID REAGENTS
Frank C. Fahnestock, Haddonfield, N. J., and William A. Hagerbaumer, Haverford Township, Delaware County, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application December 14, 1943, Serial No. 514,222
3 Claims. (Cl. 23—177)



1. That method of handling acidic oxygen products of sulfur comprising contacting an oleum containing dissolved sulfur trioxide with gaseous sulfur dioxide under temperature and pressure conditions conducive to evaporation of sulfur trioxide from oleum to produce a gaseous mixture of sulfur dioxide and trioxide and then in a separate region contacting said gaseous mixture with a liquid absorbent for said sulfur trioxide selected from the group consisting of liquid oxides of sulfur and hydrates of sulfuric anhydride to absorb sulfur trioxide therein.

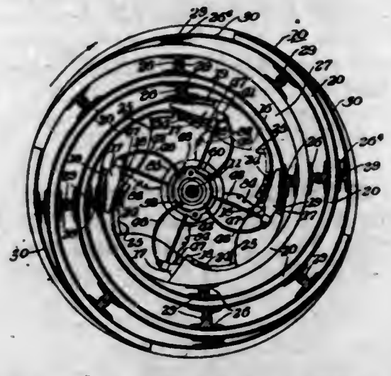
2,407,823
ANTIHEMORRHAGIC ESTERS AND METHODS FOR PRODUCING THE SAME
Louis F. Fieser, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application December 23, 1939, Serial No. 310,855
20 Claims. (Cl. 260—457)

6. A compound of the formula:



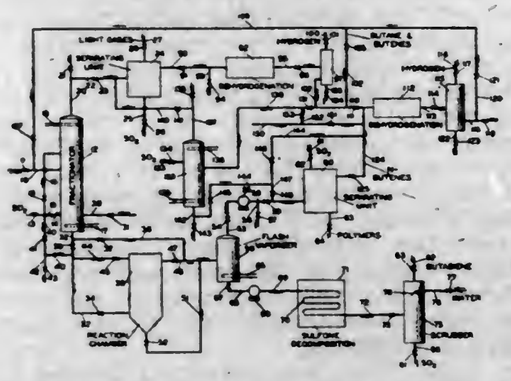
where R is a member of the group consisting of hydrogen and non-cyclic aliphatic hydrocarbon groups, and A is a member of the group consisting of SO_3H and PO_3H_2, and alkali metal salts thereof.

2,407,824
TURBINE ENGINE
John A. Fisher, Tarpon Springs, Fla.
Application November 22, 1943, Serial No. 511,287
15 Claims. (Cl. 60—41)



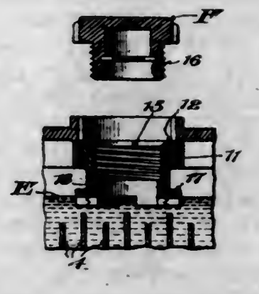
5. In an internal combustion turbine, the combination of a rotor, an axial shaft upon which the rotor is mounted and which moves with the latter, means carried by the rotor and actuated by the burning gases of combustion to rotate the same, the shaft being provided with an axial bore for conducting fuel to said means, a conduit, a rounded head on the end of the shaft and having a bore communicating with the bore of the shaft, a socket in which the head is received for rotation, the socket and the head being provided with curvilinear mating surfaces, and a conduit connected to the outer end of the socket for the supply of fuel to the latter.

2,407,825
PRODUCING AND CONCENTRATING DIOLEFINS
Frederick E. Frey, Bartlesville, Okla., and Robert D. Snow, Edgewood, Md., assignors to Phillips Petroleum Company, a corporation of Delaware
Original application April 1, 1941, Serial No. 386,324. Divided and this application August 28, 1943, Serial No. 500,408
16 Claims. (Cl. 260—329)



8. A continuous process of separating an aliphatic conjugated diolefin from admixture with close-boiling corresponding olefin and paraffin which comprises continuously feeding said diolefin-containing mixture and from one-half to three times its weight of sulfur dioxide into a fractional distillation column, the amount of said sulfur dioxide being so much in excess of that molecularly equivalent to the diolefin present in said mixture that free sulfur dioxide is present in the bottom of said column at all times, operating said column with a bottom temperature of 80° C. and a top temperature of 60° C. fractionally distilling in said column in such manner that substantially all of said diolefin and olefin is concentrated in the bottom portion thereof in admixture with an excess of sulfur dioxide and said paraffin forms an azeotrope with sulfur dioxide, reacting substantially all of said diolefin with said sulfur dioxide in the bottom portion of said column to form diolefin monosulfone, continuously maintaining in said column a concentration of branched-chain monoolefin corresponding to said diolefin in an amount corresponding to from 2 to 10 per cent of the total hydrocarbons present such as to prevent formation of heteropolymeric reaction products of diolefin and sulfur dioxide and continuously withdrawing from said column an overhead of said azeotrope of paraffin with sulfur dioxide and a bottoms product containing said monosulfone and said olefin and relatively free from unreacted diolefin.

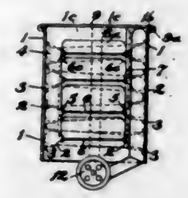
2,407,826
CONSTRUCTION FOR ELECTRIC STORAGE BATTERIES
George R. Godber, Los Angeles, Calif.
Application March 12, 1941, Serial No. 383,031
3 Claims. (Cl. 136—178)



1. In an electric storage battery, a casing, plates therein, a cover having a filling opening, a depending collar surrounding said opening and having the major portion of its internal diameter of the same diameter as the opening, an internal shoulder formed integrally with and near the lower end of the collar, a vertically movable sleeve for filling the battery with liquid and also providing an internal gas venting passage of wide area, said sleeve having an external annular abutment near its top whose outer edge has a close sliding fit with the internal diameter of the collar, whereby, when the sleeve is moved downwardly said abutment rests flush on said shoulder to provide a gas tight seal and also to determine the downward limit of travel of the sleeve and sustain the bottom edge thereof a predetermined distance above the upper edges of said plates, an abutment at the lower end of said sleeve extending outwardly therefrom to engage the lower end of said collar and determine the upward limit of movement of said sleeve in the collar, means for preventing rotation of the sleeve in the collar, and a closure cap having a vented head whose bottom outer edge is adapted to engage with the top of the filling opening, said cap also provided with a hollow shank communicating with the sleeve and having a threaded connection with the inner wall of said sleeve, whereby, rotation of said cap in one direction to close the filling opening raises the sleeve to its limit of upward movement to lift its lower end out of the liquid and thus permit all of the space between the liquid and the underside of the cover to communicate directly through the

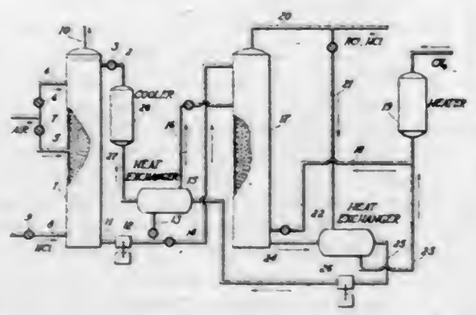
sleeve with the vented head of the filler cap, and the cap upon rotation in the opposite direction and removal from the sleeve releases the sleeve for downward movement to rest on the shoulder of the collar to permit liquid to be supplied therethrough to the casing.

2,407,827
REFRIGERANT EVAPORATOR
George Raymond Goldsmith, Girraween Grove, Ashgrove, Brisbane, Queensland, Australia
Application March 1, 1944, Serial No. 524,604
In Australia May 13, 1943
6 Claims. (Cl. 62—126)



1. In a refrigerator of the absorption type, having an evaporating coil in the form of a plurality of substantially horizontally disposed U-shaped turns, said turns being arranged in superimposed vertically spaced relation with corresponding portions of the several turns in vertical alignment, a low temperature cooling chamber consisting of thin metal outer sides having front flanges and back held to the turns of the evaporator coil by flanged half-sleeves passing around said turns; longitudinal channelled fins upon said half-sleeves; shelves with upturned rear ends for forming sections of the rear inner wall, the side edges of said shelves being slidable in the channels of the fins, and provided with chamfers and slots for avoidance of obstacles; liners for location between the upturned ends of said shelves and the half-sleeves on the one hand, and behind right angled cover plates secured to the front flanges on the outer sides on the other hand; flanges on the tops of said sides, a top with inturned side edges for sliding along the flanges on the tops of said sides; a face plate secured upon said cover plates, and a door hinged to said face plate.

2,407,828
HYDROCARBON CONVERSION PROCESS
Everett Gorin, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application October 25, 1943, Serial No. 507,618
17 Claims. (Cl. 260—659)



15. A continuous process for the production of aliphatic-hydrocarbon chlorides from hydrogen chloride and aliphatic hydrocarbons which comprises: passing an oxygen containing gas and hydrogen chloride in contact with cuprous chloride in a reaction zone while maintaining the temperature within the range of from 200° C. to 475° C. to form cupric chloride, removing water vapor from said reaction zone, circulating the cupric chloride to a separate reaction zone, contacting the cupric chloride with at least one aliphatic hydrocarbon in said separate reaction zone at a temperature above 325° C. to chlorinate the hydrocarbon and reform cuprous chloride from the cupric chloride, circulating the reformed cuprous chloride to the first mentioned reaction zone and recovering the aliphatic-hydrocarbon chloride formed.

2,407,829
ILLUMINATING DEVICE
John R. Gorder, Bismarck, N. Dak.
Application July 12, 1944, Serial No. 544,546
2 Claims. (Cl. 240—41.1)

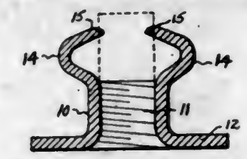


1. In a beam projecting lamp of the type specified and adapted to produce a light beam directed and confined to one side of and limited by the plane of a predetermined bordering surface, a closed lamp casing having a front wall, the inner surface of which is light absorbent and non-reflective and provided with an opening for the emission of the beam, a source of light within the casing, located at a lower corner thereof and adjacent the lower edge of the front wall, a small reflector surrounding said source of light in close proximity thereto and directing the light rays therefrom through a restricted opening in said reflector, a curvilinear reflecting surface within said casing, located on an upper rear portion of the casing and formed from a radius point within the casing located adjacent the lower front wall portion and between the source of light and the beam opening of the front wall, the upper edge of the reflector terminating at an upper forward corner of the casing and contiguous to the upper edge of the front wall and its lower edge terminating substantially coincident with a transverse plane which is coincident itself with the top boundary of the beam opening of the front wall, the lower remaining portion of the casing between said reflecting portion and the source of light having its inner face made light absorbent and non-reflective, whereby a beam is projected from the beam opening of the front wall and confined effectively below and lengthwise of the aforesaid plane which is coincident with the top boundary of the beam opening.

2,407,830
LOCK NUT
Theodore R. Griffin, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 5, 1943, Serial No. 489,851
3 Claims. (Cl. 151—14)

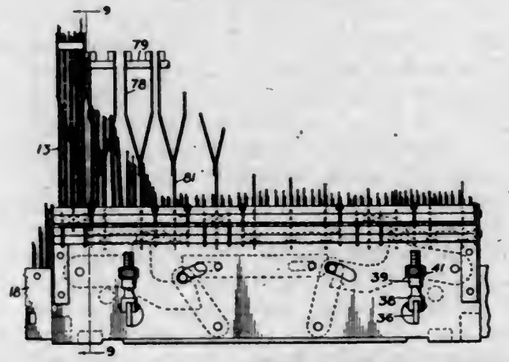
1. A lock nut for cooperation with a screw passed through an apertured piece of work, said

nut being formed from a single piece of sheet metal and having a tubular internally threaded screw-receiving barrel and a base disposed at right angles to said barrel, and locking means integrally connected with the end of the barrel opposite the head for engaging the screw beyond



said barrel, said locking means comprising a plurality of outwardly bowed resilient fingers having end portions normally disposed within the path of the threads of the screw and expandible thereby to engage the threads of the screw under tension to resist turning thereof in withdrawing direction.

2,407,831
VOTING MACHINE
Alvin N. Gustavson, Bemus Point, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware
Application December 24, 1942, Serial No. 470,046
4 Claims. (Cl. 235—54)



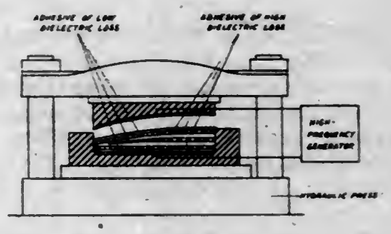
3. In a voting machine, a plurality of interlocking straps, an interlock common to all of said straps having grouping pins and compensators for limiting to a predetermined maximum the number of straps that may be actuated, a pair of pivotally movable members, hook-like elements engaged with and segregating said straps into a plurality of groups, said elements serving to connect said groups with said members, means connecting said members in a manner to render either of said members inoperative, and the straps connected therewith, upon operation of the other of said members, an adjustable compensator for said interlock, said compensator being connected with and movable by one of said members to change the capacity of said interlock to control actuation of the straps.

2,407,832
COMBINATION HAND TOOL
Ludvig Christiansen Hotvedt, Cambridge, England
Application August 10, 1943, Serial No. 498,115
In Great Britain August 10, 1942
5 Claims. (Cl. 7—15)

1. A tool comprising in combination a handle, a plurality of implements located in the handle so that their working ends are always outside the latter, said implements being relatively slidable endwise side by side, a spring to retain one of said implements with its working end positioned inwardly below the working end of another implement, catch means to hold the spring controlled implement projected outwardly with its working end extending beyond the other implement, and a collar on the spring retained implement at a position outside the handle, said collar embracing the implements and affording means for manipulating said spring retained implement.



2,407,833
METHOD OF MANUFACTURING ARTICLES FROM FIBROUS MATERIAL
Bruno Jablonsky, Waddon, Croydon, England
Application June 1, 1944, Serial No. 538,337
In Great Britain April 30, 1943
6 Claims. (Cl. 154—126)

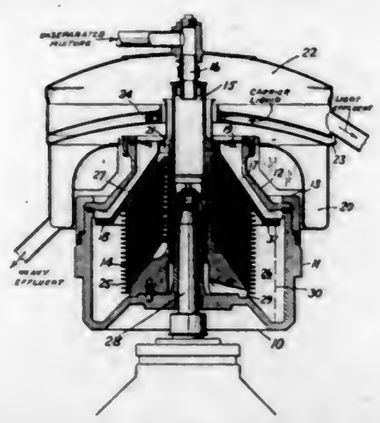


1. Method of manufacturing shaped articles from fibrous material which is bonded together by an adhesive under pressure and heat in a high frequency electric field, wherein an adhesive of high electric loss factor is used at thicker cross sections of an article and an adhesive of relatively lower electric loss factor is used at thinner cross sections of the article.

2,407,834
CENTRIFUGAL SEPARATION
Leo D. Jones, Philadelphia, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 8, 1945, Serial No. 576,793
4 Claims. (Cl. 196—19)

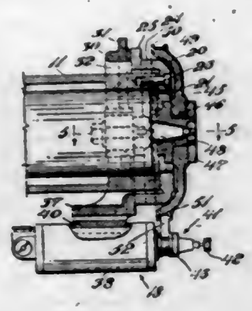
1. In the treatment of a mixture of liquid phases comprising a lightest liquid phase, a heaviest liquid phase and a liquid phase of intermediate specific gravity which is present in a minor proportion, the process comprising subjecting said mixture to centrifugal sedimentation, continuously discharging said lightest liquid phase from the zone of centrifugal sedimenta-

tion, continuously discharging the heaviest liquid phase from the zone of centrifugal sedimentation through a space interconnecting said centrifugal sedimentation zone with a liquid balancing zone of said heaviest liquid phase and thence from the influence of centrifugal force under liquid balance against the liquid phases being subjected to centrifugal sedimentation, and establishing communication between the zone of sedimentation of liquid phase of intermediate



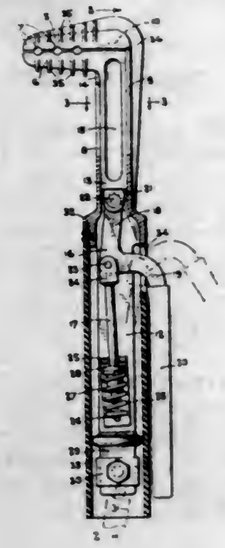
specific gravity being subjected to centrifugal sedimentation and the liquid balancing zone of the discharging heaviest liquid phase at a zone spaced inwardly from said interconnecting space, said communication being sufficient to permit passage of the sedimented intermediate phase into confluence with the discharging heaviest liquid phase for discharge therewith, but insufficient to permit discharge of a substantial proportion of the lightest phase with said heaviest phase.

2,407,835
ATTACHMENT FOR GRINDING MACHINES
Alexander W. Keema, Providence, R. I., assignor, by mesne assignments, to Bay Products Corporation, a corporation of Massachusetts
Application April 4, 1944, Serial No. 529,493
10 Claims. (Cl. 51—166)



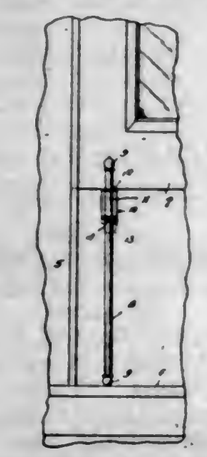
3. In combination with a grinding machine spindle and housing therefor, a grinding attachment wholly supported by said spindle and housing comprising an adapter member secured to the spindle housing, a bracket secured to said adapter to embrace the spindle housing inwardly from the outer extremity of the spindle, a tool shaft rotatably carried by said bracket, a pulley carried by said tool shaft and positioned at a location substantially inwardly of the outer extremity of the spindle, a pulley secured to said spindle cupped to extend over said adapter member and a belt embracing said pulleys whereby said spindle drives said tool shaft.

2,407,836
ELECTRODE HOLDER FOR USE IN ELECTRIC WELDING
Frederick George Ketelbey and George Mason, Birmingham, England
Application January 16, 1945, Serial No. 573,024
In Great Britain January 26, 1944
10 Claims. (Cl. 219—8)



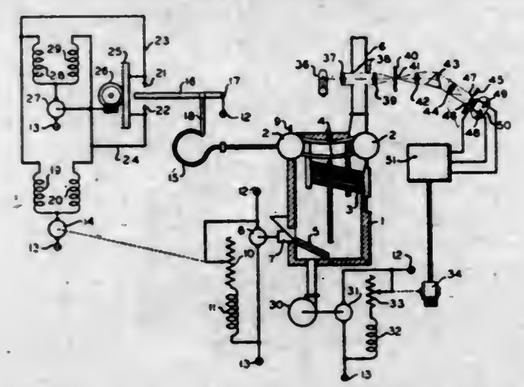
1. An electrode holder of the kind referred to, including a pair of jaws, a shank for each of said jaws, one of said shanks being of channel form in which the other shank is slidably mounted for moving the jaws in relation to one another, an abutment in said channel-like shank, toggle mechanism including toggle links, said toggle links being connected between one end of the slidably mounted shank and said abutment, an operating handle for moving said toggle mechanism, spring means associated with the toggle mechanism, and said toggle links being movable through an over-dead-centre position, so that the grip on the electrode is maintained automatically without the necessity of the operator maintaining pressure on the operating handle.

2,407,837
WINDOW STOP
William H. Kissel, Ludington, Mich.
Application June 15, 1944, Serial No. 540,396
1 Claim. (Cl. 292—288)



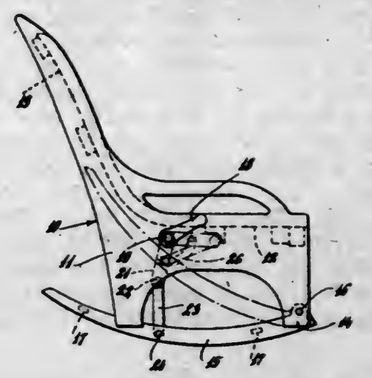
A removable and replaceable window sash supporting stick comprising a vertical rod adapted to have its lower end positioned longitudinally supported on a window sill or equivalent support with its upper end terminating above the lower edge and alongside of the sash as mounted vertically slidable in the window frame, and a supporting stop member adjustable longitudinally on the rod, the stop member being formed from a single elongated piece of resilient sheet metal rebent angularly to form an intermediate portion offset laterally from the rod so as to extend under the sash with an integral pair of legs adjustably supported on said rod longitudinally thereof, the upper leg being the longer and disposed substantially horizontally and perpendicularly to the rod and having therein an elongated longitudinal slot through which said vertical rod is constantly slidable freely and without binding, the intermediate portion of the stop member being inclined downwardly and towards the rod, the lower leg being the shorter and inclining upwardly from said intermediate portion towards the rod and provided with an aperture of a diameter only slightly greater than the diameter of the rod whereby, in the normal angular set of said lower leg and the weight of the sash imposed upon the leg, the supporting stop member is held from downward movement on the rod so as to support the sash and whereby, also, for a predetermined positioning of said stop member on the rod said member is readily movable upwardly on the rod and downward movement of the member is effected by spreading and holding said lower leg of the member in the direction away from the upper leg.

2,407,838
MEASURING APPARATUS
Waldo H. Kliever, Minneapolis, Minn., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 30, 1942, Serial No. 460,326
4 Claims. (Cl. 88—14)



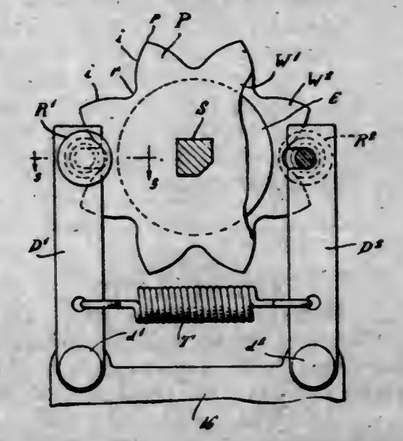
1. The spectroscopic method of continuously analyzing the composition of a stream of gas moving along a predetermined flow path which consists in passing a beam of radiant energy including rays of different wave lengths into interception with the gas stream in a predetermined portion of said path, dispersing the beam rays passing through said stream in accordance with their wave lengths to form a spectrum, and selecting from said spectrum a first beam of rays of wave lengths which are not substantially absorbed by carbon dioxide and a second beam of rays of wave lengths which are absorbed by carbon dioxide, the said wave lengths being such that the intensity of the second beam is equal to the intensity of the first beam when the gas includes a predetermined carbon dioxide content and no other substance which selectively affects one of said beams to a significant extent, comparing the intensities of said selected beams, utilizing each of said selected beams to create an electromotive force proportional to the intensity of that beam, and applying said electromotive forces to an indicating means to produce an indication proportional to the difference between said intensities.

2,407,839
CONVERTIBLE ROCKING CHAIR
Manuel G. Lemos, New York, N. Y.
Application November 3, 1944, Serial No. 561,658
1 Claim. (Cl. 155—73)



In a convertible rocking chair having four supporting legs, two rockers tiltably attached to the inner side of the lower portion of the two front legs of the chair and adapted to swing up and down between all four legs of the chair, crossbars connecting said rockers to each other, a shaft horizontally extended through the chair below its seat portion, a handle secured to each end of said shaft and adapted to be manipulated by a person sitting on the chair, two levers secured to said shaft and being located between the side portions of the chair, a connecting link pivotally secured to the lower end of each of said levers, a crossbar having cylindrical end portions which extend through the lower ends of said connecting links and through said rockers so as to secure said rockers pivotally to said connecting links and a pin laterally secured to at least one of said levers and extending into a curved groove in the side portion of the chair, said groove and said pin being adapted to limit the movement of said levers, all substantially as described.

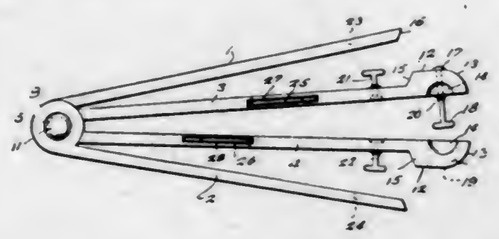
2,407,840
ROTARY INDEXING MECHANISM
Robert D. Leonard, Aldan, Pa.
Application February 2, 1945, Serial No. 575,884
2 Claims. (Cl. 74—527)



1. In a rotary indexing mechanism having a shaft mounted for axial rotation manually to locate an indexing member thereon to a plurality

of regularly spaced indexing positions, an indexing means, said means comprising a pair of identical shaped star wheels each having a plurality of star points corresponding in number to the said plurality of indexing positions and being regularly spaced apart a distance corresponding to the spacing between said indexing positions with the edges of said star points being outwardly curved to provide a high point thereon intermediate the tip and base of each star point with the base of adjacent star points grooved to provide an arcuate seat therein, means securing the star wheels coincidentally aligned upon the shaft in spaced relation to be rotated therewith with the arcuate seat between one pair of adjacent aligned star points in radial alignment with the indexing member on the shaft, and an inwardly spring urged roller member on opposite sides of said star wheels arranged for rotative engagement with the edges of said coincidentally aligned star wheels, each roller member being provided with grooves aligned to receive said star wheel edges, the diameter of the said roller member at the bottom of each groove approximating the diameter of the arcuate seat in the said star wheels.

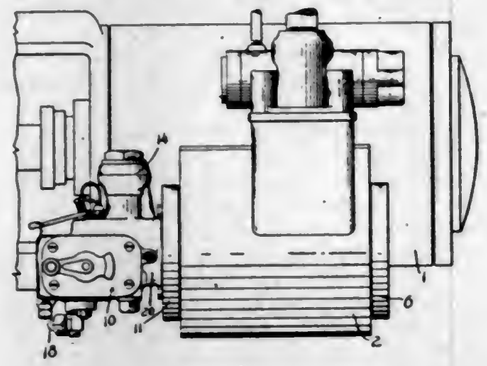
2,407,841
GARMENT HANGER
Frank Le Roy, San Diego, Calif., assignor of one-half to James D. Robinson, San Diego, Calif.
Application December 29, 1944, Serial No. 570,386
2 Claims. (Cl. 223—96)



2. In a garment hanger, a pair of inner and a pair of outer clamping bars pivoted together at corresponding ends thereof for swinging into and out of parallel relation, the inner clamping bars complementing each other to clamp a garment therebetween, and the outer clamping bars each complementing one of said inner bars to clamp a garment therebetween, means to fasten each outer clamping bar to its complementary inner clamping bar in clamping relation thereto, and means to fasten the inner clamping bars together in clamping relation, said inner bars having free ends with lateral reinforcement forming bosses thereon provided with finger grip forming sockets therein for use in swinging said inner bars, said bosses having oblique stop shoulders thereon, said outer bars having oblique free end edges for fitting against said shoulders to space said outer bars from the inner bars.

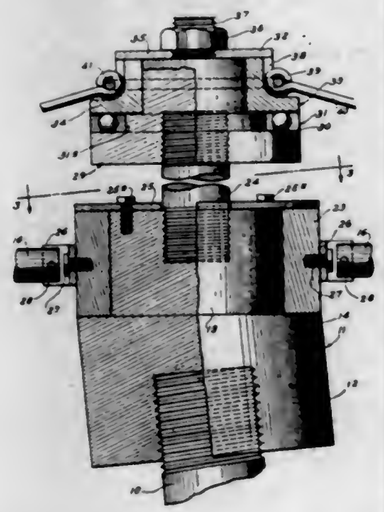
2,407,842
LUBRICATOR
Thomas C. McBride, Philadelphia, Pa., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application January 29, 1943, Serial No. 473,914
1 Claim. (Cl. 184—55)

The combination of a valve chest body for a steam cylinder, said body having a piston-containing bore opening at one end through the body, means for creating a fluctuating steam pressure in said bore, a lubricator comprising in part a housing, pressure actuated lubricator operating means in said housing, a part of said housing forming a wall portion thereof and comprising a closure for the open end of said bore, and means



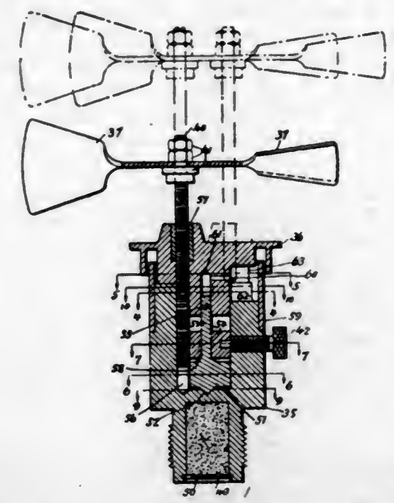
attaching said housing to said body, said part being provided with a steam conveying passage leading from said bore to said pressure actuated lubricator operating means to provide a supply of fluctuating steam pressure therefor.

2,407,843
MERRY-GO-ROUND FOR PLAYGROUNDS AND THE LIKE
Donald A. McDonald, Dearborn, Mich.
Application April 23, 1945, Serial No. 589,793
6 Claims. (Cl. 272—40)



1. In a merry-go-round construction of the class described, a perpendicular fixed standard, a head screwed atop said standard, said head being provided with an integral upstanding cylindrical riser providing a journal, that portion of the head projecting beyond the outer periphery of said journal forming a ledge-like circular runway of greater diameter than the standard, a collar surrounding said journal and resting and riding on said runway, together with arms connected at their inner ends to said collar, said annular runway being canted to subject said collar to a gyratory wobble motion, an auxiliary extension standard connected to and rising from said journal, said auxiliary standard being laterally canted, a bearing head atop said second standard provided with a journal, and a hub ring surrounding said journal, together with guy rods connected at their inner ends to said hub ring for coaction with the aforementioned arms.

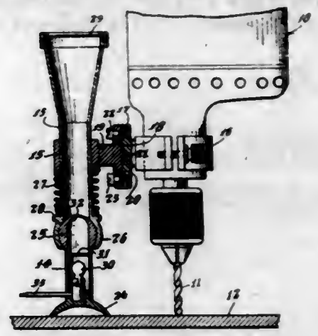
2,407,844
BOMB FUSE
Ernest C. Moriarty, Washington, D. C.
Application April 2, 1932, Serial No. 602,795
10 Claims. (Cl. 102—81.2)



1. A bomb fuse comprising a fuse body having first projections with intervening spaces thereon and provided with a cavity therein, a striker having second projections with intervening spaces thereon, a firing pin holder, a detonator holder, the three latter parts having a common axis with said cavity, said firing pin holder being secured in the body of the fuse by means of a detent operated from without the body of the fuse, said detonator holder being at the bottom of the cavity and having a stem passing through the firing pin holder and attached at the mouth of a cavity in said striker by a shearable connection, said striker being mounted in the fuse body so that it may rotate between stops, said first and second projections being in alignment in the unarmed condition and being opposite corresponding spaces in the armed condition, a firing pin, a detonator, a lead to an explosive charge, the latter three elements being out of line when the fuse is unarmed and being in line when the fuse is armed, a shaft for preventing rotation of the striker and detonator holder relative to the fuse body when the fuse is unarmed and providing a delay during arming, and a propeller for arming said fuse.

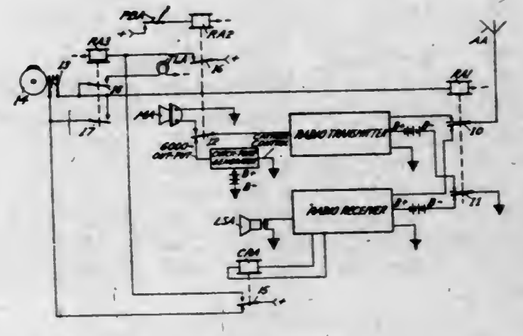
2,407,845
ALIGNING DEVICE FOR TOOLS
Roland Orisan Nemeyer, Pasadena, Calif., assignor to California Institute Research Foundation, Pasadena, Calif., a corporation of California
Application January 16, 1943, Serial No. 472,601
7 Claims. (Cl. 116—124)

1. The combination with a hand tool adapted to move with respect to a workpiece, while maintaining a desired angle of incidence with respect to said workpiece, of means associated with said hand tool for indicating deviation from said desired angle of the tool with respect to said workpiece, said indicating means comprising: a first member; means for slidably mounting said first member relative to said tool along an axis disposed in fixed angular relation thereto; a second member having a face adapted to lie against the workpiece in predetermined angular relationship therewith; a ball and socket joint pivotally interconnecting said first and second members, whereby said members assume relative angular positions corresponding to the relative angular positions of said tool and workpiece; and index means for indicating the relative angular posi-



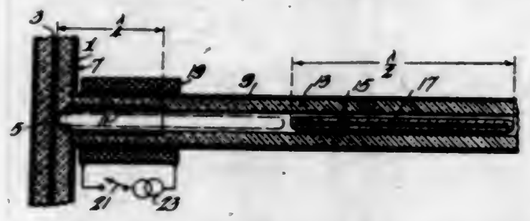
tions of said members including a screen on said first member, and means on said second member for projecting an indication through said ball and socket joint onto said screen.

2,407,846
RADIO COMMUNICATION SYSTEM
John C. O'Brien, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 5, 1945, Serial No. 576,325
22 Claims. (Cl. 250—13)



1. A system for transmitting voice messages on a carrier frequency between a first station and a second station comprising, means including a transmitter at the first station normally operating to transmit a check-tone modulation of the carrier intermittently at time spaced intervals, a microphone at said first station for modulating said carrier frequency with voice frequencies, manually operable means for rendering said microphone effective and at the same time stopping the tone modulation of said carrier frequency, slow-acting means at the second station biased to assume a deenergized condition after a limited time following its last energization, indicating means governed by said slow-acting means and automatically rendered effective when said slow-acting means assumes its biased deenergized condition, means including a receiver at said second station responding to said tone modulation of the carrier frequency for intermittently energizing said slow-acting means as said check tone modulation is transmitted from said first station, and means at said second station governed by said receiver and responsive to said carrier for rendering said indicating means effective independently of the condition of said slow-acting means, whereby an immediate indication is given at said second station when a voice message is about to be sent from the first station.

2,407,847
RADIO FREQUENCY SWITCH
Donald W. Peterson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 1, 1943, Serial No. 485,388
6 Claims. (Cl. 178—44)



1. A system for selectively presenting an open circuit and a short circuit between two predetermined points in a radio frequency transmission system, comprising a tubular member of conductive material connected to one of said points, a second tubular conductive member connected to the other of said points and positioned within and coaxial with said first tubular member, and an insulated rod of conductive material adapted to move longitudinally within said second tubular member.

2,407,848
PRODUCTION OF CYANOALKENES
Gardner C. Ray, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application July 1, 1944, Serial No. 543,212
4 Claims. (Cl. 260—464)

1. A process for the production of acrylonitrile which comprises passing succinonitrile over a catalyst selected from the group consisting of activated carbon, alumina, bauxite and alumina adsorbed on silica at a temperature of approximately 300° to 500° C., cooling the resulting gases and subsequently separating the acrylonitrile from the hydrogen cyanide and other products formed.

2,407,849
APPARATUS FOR FIRING PRESSED FUEL
Joseph Roth, Bronx, N. Y.
Application April 6, 1944, Serial No. 529,862
3 Claims. (Cl. 126—225)



1. A heater apparatus of the class described, comprising a cylindrical fire box casing, partition means forming a draft chamber at the lower end of the fire box, a heat radiating chamber at the upper end of the fire box, said chamber comprising top and side walls and a bottom wall arranged outwardly of said casing, a flue discharge from said chamber, said discharge extending upwardly from one side of the top wall of said casing, said partition means having an opening placing the draft chamber in communication with the lower end of said fire box, the fire box being adapted to receive a packed mass of fuel with a vertical passage in said mass in registering alinement with said first named passage to form a fire chamber extending vertically through said packed mass opening into the upper end of the fire box and into said radiating chamber, means controlling admission of air to said draft chamber, the top wall of said radiating chamber having a large opening arranged above the fire box, a cover controlling said opening for admission of fuel to the fire box of the apparatus, and a baffle integral with and supported by said cover and extending through said radiating chamber into the upper portion of said casing and to a point below the bottom wall of said radiating chamber.

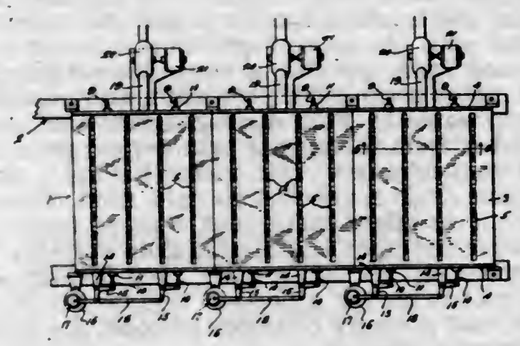
2,407,850
SUBAQUEOUS ELECTRIC CUTTING
Eugen Seifried, Waldkirch in Breisgau, Germany, assignor to United States of America, as represented by the Secretary of War
Application June 18, 1926, Serial No. 116,926
17 Claims. (Cl. 219—11)



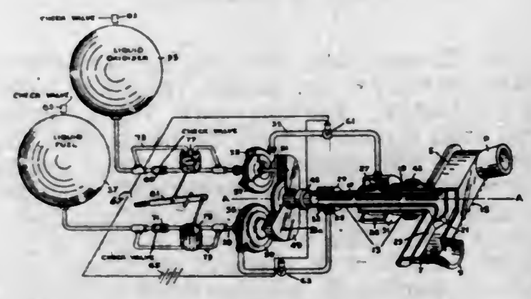
1. Arrangement for clearing mine fields by moving vessels towing submerged electrodes for severing the mine cables, comprising a source of electric energy on one of the vessels, current leads extending between the vessels and connecting with the said source, a plurality of electrodes connected to and distributed along the current leads and normally in open circuit relation thereto, adjacent electrode elements being connected to leads of opposite polarity, selected ones of which electrodes are formed as grappling elements, whereby the mine cable engaging a current lead slides along the same due to the mobility of the towed lead until the cable contacts with an electrode and is there subjected to the severing action of the source of electric energy, the cable completing the circuit through a set of electrodes of opposite polarity and through the said leads.

2,407,851
MINERAL CLASSIFIER
Joseph C. Shannon, Leadville, Colo.
Application October 8, 1943, Serial No. 505,524
1 Claim. (Cl. 209—384)

In a mineral classifier of the character described, an inclined trough for reception of the material to be treated, said trough including a flat bottom and side walls rising from said bottom, said bottom having a plurality of parallel elongated transverse slots therein, a rigid rectangular frame mounted for reciprocation transversely of the trough parallel with and beneath the bottom, said frame embodying a plurality of spaced parallel members, each alined with one of said slots, a plurality of spaced teeth rigid with said parallel members of the frame and projecting upwardly through said slots, spaced rods fixed to each end of the frame, said rods extending slidably through the side walls of the trough for mounting said frame beneath the bottom, horizontally swinging bell-crank levers mounted on one of the side walls and connected at corresponding ends to the projecting ends of the adjacent rods, an electric motor mounted on said side wall, and a rod connecting the other ends of said bell-crank levers and actuated by said motor for oscillating the levers and thereby reciprocating the frame transversely of the trough.

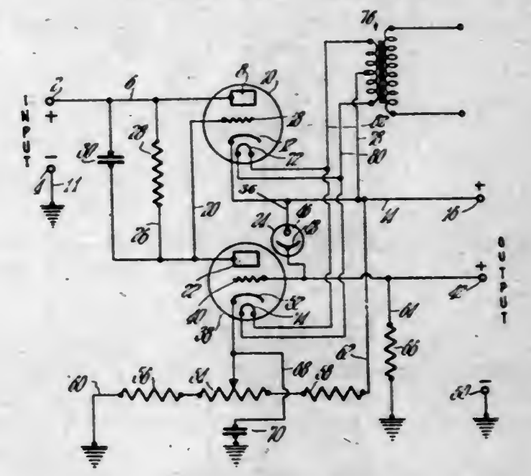


2,407,852
REACTION MOTOR
Apollo M. O. Smith, Bell, Calif., assignor to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application July 17, 1943, Serial No. 495,198
3 Claims. (Cl. 60—35.6)



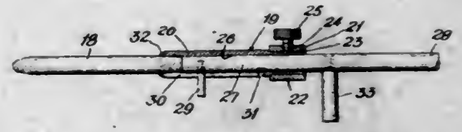
1. A rotating jet motor comprising a combustion chamber, a rotatable shaft having its rear end attached to the chamber at a central position of the latter, the axis of rotation passing through the chamber, a plurality of exhaust nozzles through the rear wall of the chamber, radially offset from the axis of rotation, to allow the escape of gases from the chamber in the form of high velocity gas jets, the axes of gas flow through said nozzles being directed rearwardly almost in the direction of the axis of rotation but having an angle of inclination in the tangential direction to produce a rotating force, said shaft having a plurality of fluid conducting channels extending in the axial direction, means for supplying fluids which are combustible in the presence of each other, into said channels, one of the fluids being supplied to one channel and the other fluid to the other channel, means providing communication from each channel into the chamber, said means comprising partition means between each channel and the chamber and orifice means through the partition means to the chamber, whereby the two propellant fluids passing through said orifices meet in said chamber, and upon combustion produce gases under pressure which are ejected through the nozzles.

2,407,853
POWER SUPPLY REGULATING APPARATUS
Wolcott M. Smith, Springfield, Mass.
Application June 30, 1944, Serial No. 542,930
6 Claims. (Cl. 171—312)



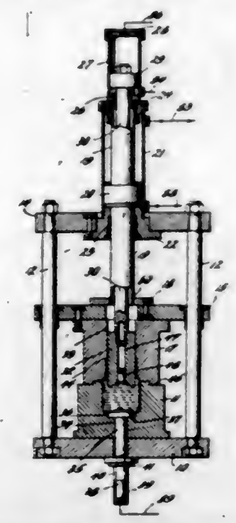
1. Direct-current power supply voltage regulating apparatus having an input and both high and low voltage outputs comprising in combination, regulating and amplifying tubes having plates, grids, and cathodes, a constant voltage drop device, a connection between the cathode of the first-named tube, said device and high voltage output, a connection between the grid of the second-named tube, low voltage output and said device, a connection between the input and plate of the regulating tube and between the plates of the amplifying and regulating tubes including a resistance, a ground in said input and outputs forming the neutral or negative side thereof resistance means connected between the high voltage output and ground and a connection between the cathode of said amplifying tube and resistance adapted for various positions on said resistance.

2,407,854
CARBON HOLDER
Arthur T. Steingard, New York, N. Y.
Application March 3, 1945, Serial No. 580,853
13 Claims. (Cl. 176—119)



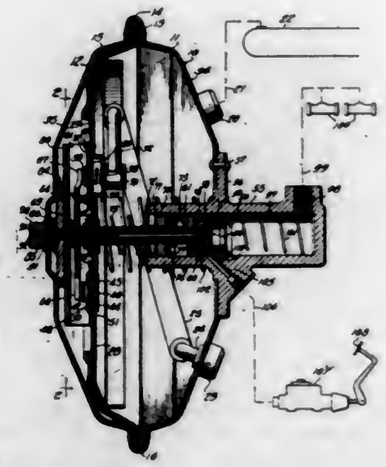
1. A carbon holder comprising a tube, said tube having a bore of common diameter throughout the length thereof, one end portion of the tube being split to provide clamping engagement with a carbon inserted in said split end, a rod mounted in said tube, means clamping the rod against movement relatively to the tube with one end portion of the rod protruding beyond the other end of said tube to form means supporting the tube and a carbon mounted therein, and a stop adjacent the first named end portion of the tube adapted to engage a stationary member for limiting movement of the tube in the direction of said member.

2,407,855
HYDRAULIC PRESS SYSTEM
William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application April 13, 1945, Serial No. 588,221
18 Claims. (Cl. 113—44)



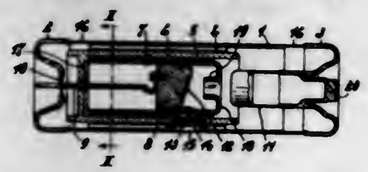
1. The combination with a press having a stationary die, a movable die and a forming plunger extending through the movable die, of a slide for said movable die, means supporting a hydraulic cylinder above said slide, a hollow rod secured to said slide, extending through said cylinder, and having an operating piston therein, a second hydraulic cylinder carried by the upper end of said hollow rod, a piston in said second cylinder, a rod on said piston extending through said hollow rod and secured to said forming plunger, means to sequentially supply hydraulic liquid under pressure to the upper faces of the pistons in said first and second mentioned cylinders, and means to automatically associate the upper side of the first piston with the lower side of the second after the first piston has reached its lower limit whereby the dies are held together during the forming plunger stroke.

2,407,856
HYDRAULIC BRAKE MECHANISM
William Stelzer, East Orange, N. J.
Application June 5, 1944, Serial No. 538,844
14 Claims. (Cl. 60—54.5)



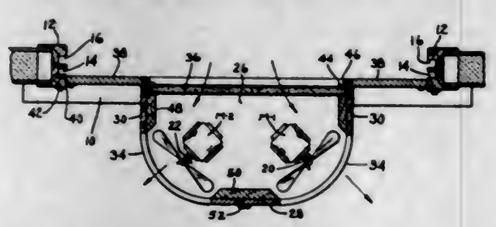
1. A brake operating mechanism for a hydraulic brake system having a hydraulic brake cylinder and a pedal-controlled master cylinder, comprising a fluid cylinder one end of which communicates with the brake cylinder and forms a pressure chamber, a fluid-displacing element movable toward such end of said fluid cylinder to displace fluid therefrom into the brake cylinder, the other end of said fluid cylinder being closed and forming a control chamber communicating with the master cylinder, a motor carrying said fluid cylinder, a control mechanism for said motor arranged therewithin, and means axially movable by fluid displaced into said control chamber from the master cylinder to operate said control mechanism, said motor having a power-movable unit connected to said fluid displacing element to effect movement thereof toward the pressure chamber end of said fluid cylinder upon energization of said motor, said axially movable means having a portion arranged to directly enter said pressure chamber to boost the hydraulic pressure therein.

2,407,857
X-RAY TUBE
Adrianus Verhoeff, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Company, Hartford, Conn., trustee
Application January 11, 1943, Serial No. 472,068
In the Netherlands February 27, 1941
10 Claims. (Cl. 250—143)



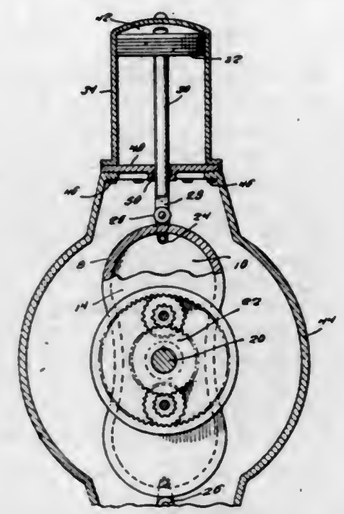
1. An X-ray tube comprising an evacuated tubular envelope, an anode member having a heat-generating portion and being arranged within said envelope with its peripheral surface adjacent to and spaced from the inner surface of the envelope, and means to directly connect the said adjacent surfaces in heat conducting relationship comprising a member of good heat conductivity whereby to transfer the heat generated at said portion to said envelope in a radial direction from the anode member and substantially entirely by conduction.

2,407,858
AIR TRANSLATING APPARATUS
Kyle C. Whitefield, Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 8, 1944, Serial No. 553,177
2 Claims. (Cl. 98—94)



1. In a device for ventilating a room or other enclosure, a cabinet having a pair of air flow openings communicating with said room and at least one opening leading from said cabinet to a space outside of said room, a fan mounted for moving air through one of said room openings, another fan mounted for moving air through the other of said room openings, a reversible motor for each of said fans and a single switch means movable into one position in which both of said fans withdraw air from said room and discharge it through said outside opening, into a second position in which both fans draw air through said outside opening and discharge it into said room through said room openings, and into a third position in which one of said fans draws room air through one of said room openings and the other of said fans propels said air into the room through the other of said room openings.

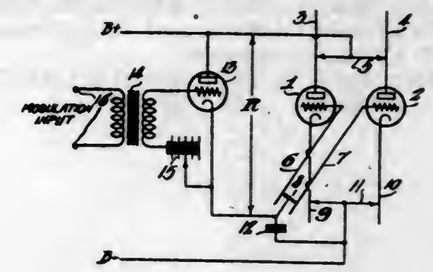
2,407,859
MECHANICAL MOVEMENT
Russel S. Wilson, Filer, Idaho
Application April 3, 1945, Serial No. 586,338
5 Claims. (Cl. 74—55)



1. A mechanical movement for converting reciprocating motion into rotary motion, or vice versa, comprising opposed reciprocating members, a rotary shaft, cams carried on said shaft, and followers carried by said reciprocating members and engaged with said cams, one of said cams being directly connected with said shaft and the others indirectly connected therewith for the rotation of said one cam in a direction counter to that of said other cams, so that the angular displacement of the cams is equal in both directions of rotation at all times and the forces of the reciprocating members are in balance, said cams being three in number for each set of opposed reciprocating members and having identical outer and inner contours engaged by said followers.

2,407,860
COMMUNICATION SYSTEM FOR ULTRA-HIGH FREQUENCIES
Lester J. Wolf, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 22, 1942, Serial No. 439,964
4 Claims. (Cl. 179—171.5)

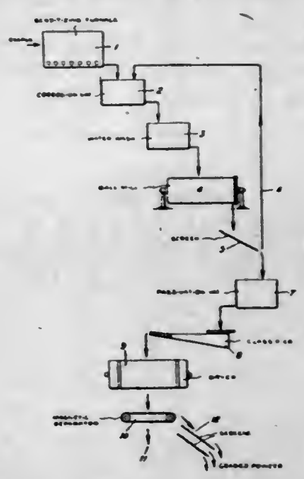
1. A pulse transmitter including an oscillator having tuned anode and control electrode circuits coupled to provide oscillations, a capacitor in said control electrode circuit connected to effectively block said oscillations, a modulator having control electrode and anode circuits, means for applying modulating potentials to said modulator control electrode circuit to vary the resistance of said modulator anode circuit, and means connecting said modulator anode circuit between said oscillator anode and control electrode circuits for varying the time intervals between pulses generated by said oscillator in accordance with said modulator anode circuit variations.



2,407,861
PROCESS OF TREATING HYDROCARBONS
I. Louis Wolk, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application September 5, 1942, Serial No. 457,471
2 Claims. (Cl. 202—57)

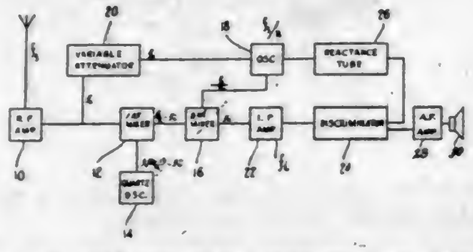
1. In the fractional distillation of a liquid polymerizable organic compound in a fractionation zone wherein said compound is subjected to conditions favorable to oxidation of said compound, the improvement which comprises introducing into said fractionation zone an oxidation inhibitor substantially non-volatile under conditions of distillation in an amount sufficient to inhibit oxidation and polymerization of said compound in the liquid state, and continuously introducing into said fractionation zone a second oxidation inhibitor more volatile than said organic compound in an amount sufficient to inhibit oxidation and polymerization of said compound in the vapor state.

2,407,862
METHOD OF PRODUCING METAL POWDERS OF HIGH ALLOY CONTENT
John Wulff, Cambridge, Mass.
Application March 17, 1941, Serial No. 383,875
10 Claims. (Cl. 75—28)



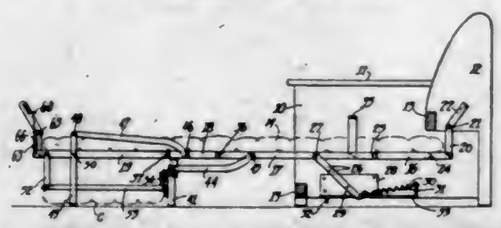
1. A method of producing metal powder which comprises heat treating a low silicon, chromium-containing ferrous alloy in solid phase at a temperature sufficiently high to effect intergranular carbide precipitation disintegrating the heat treated material and separating the granular from the intergranular material.

2,407,863
RECEPTION OF FREQUENCY MODULATED WAVES
Marc Ziegler, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 12, 1943, Serial No. 482,785
4 Claims. (Cl. 250—20)



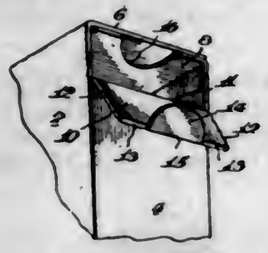
1. A superheterodyne receiver for frequency modulated waves comprising an input channel for receiving a signal wave, a first mixer stage coupled to said channel to receive said signal wave therefrom, a wave source coupled to said mixer stage for producing a first intermediate frequency wave, a second mixer stage coupled to said first mixer stage, a controllable frequency oscillator generating a fundamental frequency wave coupled to the said second mixer stage for producing an intermediate frequency wave having a predetermined frequency value, an intermediate frequency amplifier coupled to the said second mixer stage, a frequency-responsive detector coupled to the intermediate frequency amplifier for producing a control voltage proportional to the average deviation of the said second intermediate frequency wave from the said predetermined value, means responsive to the said control voltage for varying the frequency of the oscillator in a sense to reduce the deviation of said second intermediate frequency wave from the predetermined value to substantially zero, means to inject into said first mixer a wave having a frequency which is substantially equal to frequency of the wave applied from the input channel and which bears a harmonic relationship to the frequency of the said fundamental wave to produce in the intermediate frequency amplifier an intermediate frequency wave substantially the same frequency as the frequency of the intermediate frequency wave and at the output of the detector a control voltage substantially equal to the control voltage derived from said second intremediate frequency wave resulting from the signal wave, and means to vary the intensity of the said injected wave.

2,407,864
CHAIR BED
Louis Arzt, Bronx, N. Y.
Application May 9, 1945, Serial No. 592,772
4 Claims. (Cl. 5—13)



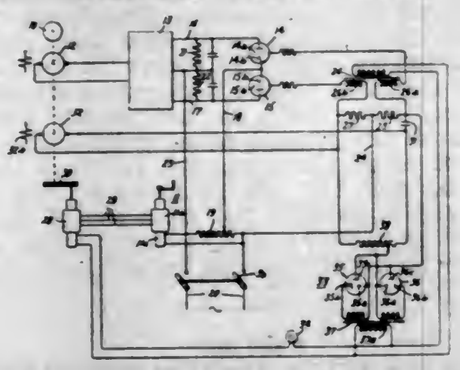
1. In a chair bed, in combination, a chair frame, an inner bed section pivoted in said frame, a middle section pivotally connected to said inner section and to said chair frame, an outer bed section, a fold section for connecting said middle and outer sections in relatively foldable relation, a rear leg, a bracket to which the rear leg is eccentrically pivoted the bracket being secured to said fold section, and a leg lever connecting said middle section and said rear leg for folding the latter when the foldable section is folded with respect to said middle section.

2,407,865
CLOSURE FOR CARTONS
Ernest J. Biskamp, San Antonio, Tex.
Application December 16, 1943, Serial No. 514,532
2 Claims. (Cl. 229—17)



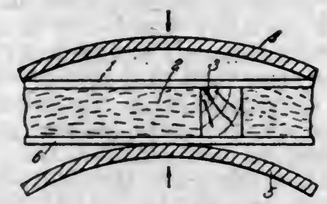
1. A blank for forming foldable boxes of the tubular type, said blank comprising side and edge panels and end flaps, said side and edge panels being separated from each other and from said end flaps by fold lines, one of said edge panels having at one end a rectangular closure section defined on two sides by perforated lines coinciding with the fold lines between said edge panel and adjacent side panels, and partially defined on a third side by a perforated line coinciding with the fold line between said edge panel and adjacent end flap, and a tab cut out of said end flap and projecting from said third side of said section, and said section being connected at its fourth side with said edge panel by means of a score line.

2,407,866
CONTROL SYSTEM
John L. Bower, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 23, 1941, Serial No. 403,699
7 Claims. (Cl. 172—239)



1. A follow-up control system comprising in combination a pilot device, a driven object, an electric motor for driving said object, means responsive to positional disagreement of said pilot device and driven object for producing a control voltage proportional to said disagreement, means responsive to said control voltage for supplying a variable voltage to said motor thereby to cause said motor to develop a torque proportional to said voltage to drive said object toward correspondence with said pilot device, and means responsive only to positional disagreement of said pilot device and driven object in excess of a predetermined amount for reducing said control voltage thereby to reduce the synchronizing torque of said motor.

2,407,867
METHOD OF PRODUCING CURVED "SANDWICH" MATERIAL
Charles Henry Buchanan, Kingston-on-Thames, England, assignor to Jicwood Limited, Weybridge, England, a British company
Application March 15, 1940, Serial No. 324,047
In Great Britain February 9, 1940
2 Claims. (Cl. 154—110)



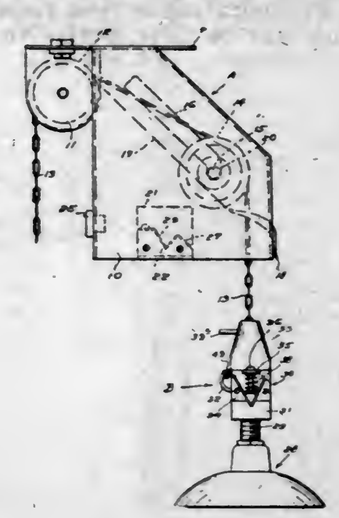
1. A method of producing curved composite material suitable for aircraft fuselages and other structural parts intended to withstand very heavy dynamic loads and to have a permanent set of at least one finished bend consisting in the use of a core of expanded rubber and relatively thin flexible outer layers of relatively harder material such as e. g. plywood or metal, and in first uniting one of the said outer layers to the core by means of a thermo-hardening resin and heat and pressure so as to set the resin, applying a layer of the thermo-hardening resin between the other thin layer and the hitherto non-covered side of the core, and bending the resultant laminae to the required curvature between press members shaped to conform with the required finished curvature and with the second applied layer on the smaller radius of the curve, and when the latter applied thermo-hardening resin has set releasing the pressure from the work and removing the work from the press.

2,407,868
PROCESS FOR TREATING REFRACTORY ARTICLES
Theodore Henry David Burke, Eggertsville, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 5, 1945, Serial No. 586,818
2 Claims. (Cl. 117—46)

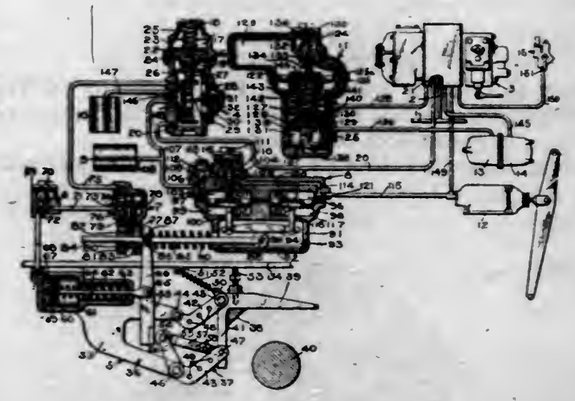
1. The process of treating a silica brick to increase its resistance to spalling which comprises, immersing the brick in liquid tar maintained at a temperature between 250° and 500° F., removing the brick from the tar and allowing the excess tar to drain off, packing the brick with sand in a retort, and firing the brick at a temperature of from 1450° to 1650° F.

2,407,869
ELEVATED HANGER AND LAMP LOWERING AND HOISTING MEANS
Anthony Lewis Ciper, Glenwillard, and Albert William Snyder, Aliquippa, Pa.
Application January 8, 1945, Serial No. 571,888
8 Claims. (Cl. 248—319)

1. In a lamp hanger and lifting and lowering assemblage of the class described, a hanger hood, a relatively fixed pulley mounted in said hood, guide means mounted in said hood, a traveling pulley cooperable with said guide means and movable toward and from the fixed pulley, a chain trained over the pulleys and having depending reaches, one for hand manipulation purposes and the other to suspend a lamp, the front end of said hood being provided with a pilot and guide lip to coact with a complemental part on a lamp fixture, there being opposed shoulders mounted on the inner surfaces of the walls of said hood, these serving as suspension seats and being provided with contact strips.

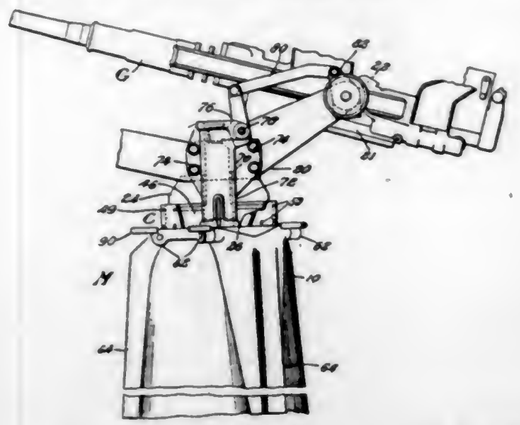


2,407,870
VARIABLE LOAD BRAKE APPARATUS
Earle S. Cook, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 28, 1944, Serial No. 570,053
28 Claims. (Cl. 303—22)



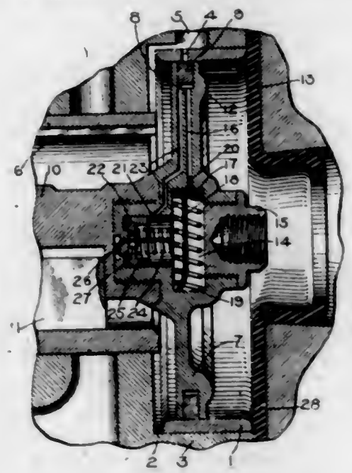
1. In a variable load fluid pressure brake equipment for a vehicle, in combination, a brake cylinder, a brake controlling valve device operative to supply fluid under pressure to the brake cylinder to effect an application of the brakes, a reservoir arranged to receive fluid supplied by the brake controlling valve device to control the pressure of fluid in the brake cylinder, valve means subject to the opposing pressures of fluid in said reservoir and brake cylinder and operative in response to an increase in the pressure of fluid in the reservoir for controlling the amount of fluid flowing to the reservoir, and means operative according to different weights of lading carried by the vehicle for variously conditioning said valve means for response to different reservoir pressures to provide the pressure of fluid in the brake cylinder for any given weight of lading carried by the vehicle.

2,407,871
DIRECTION-CONTROLLING MECHANISM FOR GUNS
Garrett P. S. Cross, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 25, 1944, Serial No. 537,301
7 Claims. (Cl. 89—41)



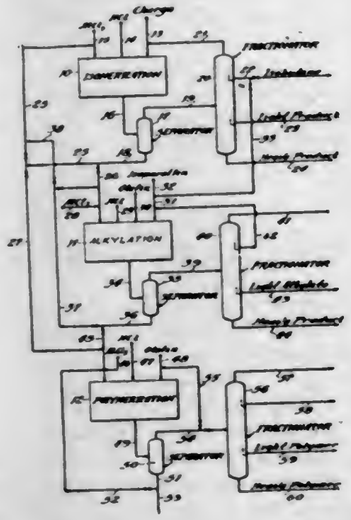
1. The combination with a mount including a pedestal, a column rotatable and movable vertically therein and a trunnion-bracket fixed to the column, and a gun trunnioned upon the bracket, of stop means mounted upon the column independently of the pedestal and in proximity to the trunnion-bracket, said stop means being movable vertically with the column and having a movement-limiting surface, means for preventing rotation of the stop means with the column, and a follower movable with the trunnion-bracket and upon said bracket in the movement of the gun and co-operating with the limiting surface of the stop means.

2,407,872
PISTON DEVICE
Sidney G. Down, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 22, 1942, Serial No. 462,907
6 Claims. (Cl. 184—18)



1. In a lubricating apparatus for the cooperating friction surfaces of two members, at least one of which is movable relative to the other, a fluid pressure chamber to which a surface of the movable member is exposed and in which the pressure of fluid may be varied, a lubricant storage reservoir formed in said movable member and adapted to receive a lubricant, a passage leading from said reservoir to at least one of said surfaces and to said chamber, said passage constituting a communication through which fluid under pressure may flow from said lubricant storage reservoir in response to a reduction in the pressure of fluid in said chamber, means adapted to supply lubricant from said lubricant storage reservoir to the fluid which flows from the reservoir to said passage, a second passage leading from said lubricant storage reservoir to the surface to be lubricated and to said chamber, said second passage constituting a communication of less restricted flow capacity than the first mentioned communication through which fluid under pressure may breathe into and out of said reservoir in response to variation in the pressure of fluid in said chamber, and said second passage being normally open so as to inhibit the flow of fluid and thereby the lubricant through the first mentioned passage, and inertia means operative upon a sudden change in the speed of said movable member for inhibiting the flow of fluid from said reservoir to said second passage, so that fluid flows from the reservoir to the first mentioned passage.

2,407,873
POLYMERIZATION OF OLEFINS
Bernard L. Evering, Chicago, Ill., Edmond L. d'Ouville, Pittsburgh, Pa., and Don R. Carmody, Newton, Iowa, assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 13, 1943, Serial No. 510,112
11 Claims. (Cl. 260—683.15)



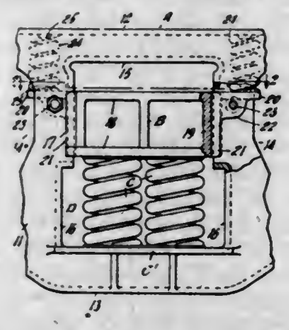
5. The method of polymerizing normally gaseous olefins which comprises continuously passing said olefins upwardly in the liquid phase through a column at least five feet in height of catalytically active liquid aluminum chloride aliphatic hydrocarbon complex in a polymerization zone, said complex being immiscible with hydrocarbons and polymer products and having an aluminum chloride content in the range of about 40% to about 80% by weight and at least one mol $AlCl_3$ per double bond in the oil which results from hydrolysis of said complex, continuously introducing with said olefins a substantial amount of liquefied normally gaseous paraffin hydrocarbons for lowering the viscosity and density of polymerization products by dilution and thus facilitating their separation from the heavier complex in which hydrocarbons are substantially insoluble, maintaining the column at substantially constant polymerization temperature by precooling the introduced hydrocarbons to a temperature below the polymerization temperature and by abstracting heat from the column by indirect heat exchange with a coolant circulated through the polymerization zone, continuously separating diluted products from complex in the upper part of the polymerization zone, continuously removing separated diluted products from the upper part of the polymerization zone at a point spaced from the column of complex whereby the bulk of the complex is retained in the polymerization zone and employing a space velocity, column height and complex activity in the polymerization zone for effecting an olefin clean-up within the range of about 40% to at least about 80%.

2,407,874
FLUORINE-CONTAINING CERAMICS AND METHOD OF MAKING SAME
Walter A. Fraser, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
No Drawing. Application August 31, 1943, Serial No. 500,632
2 Claims. (Cl. 106—52)

1. A glass batch containing the following materials in approximately the following parts by weight:

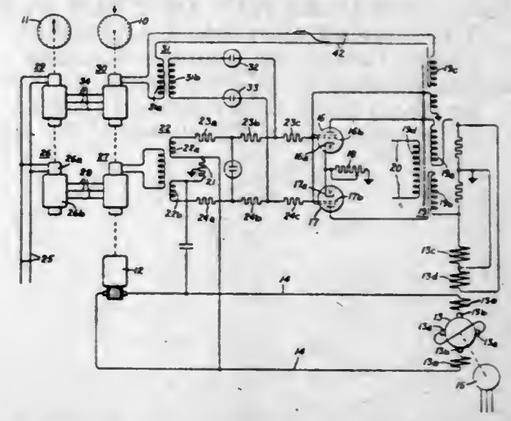
SiO_2	300
K_2CO_3	25.8
KNO_3	18.9
KHF_2	168.4
H_3BO_3	212.2
As_2O_3	0.63

2,407,875
RAILWAY CAR TRUCK
William A. Geiger, Chicago, Ill., assignor to William P. Sidley, M. F. Back, Albert P. Withall, Edwin C. Austin, and George A. Johnson, all of Chicago, Ill., and Alice T. Miner, Chazy, N. Y., as trustees of The William H. Miner Foundation
Application July 13, 1944, Serial No. 544,664
7 Claims. (Cl. 105—197)



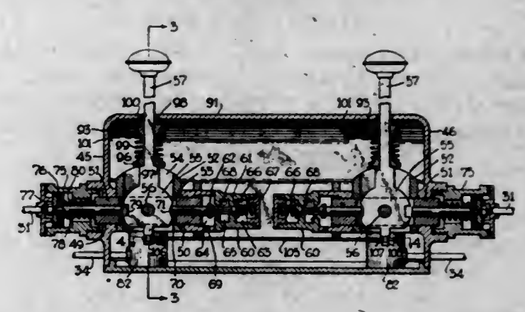
2. In a railway car truck, the combination of a side frame comprising side walls spaced apart and having a bolster opening therethrough, a bolster disposed transversely of the truck and guided for vertical movement by the wall margins of said opening, spring means below the bolster supporting said bolster in said frame, pivotally mounted levers positioned between the walls of the frame and having friction shoe portions frictionally engaging the side walls of the bolster, said levers having arms forming spring seats, and springs in the upper part of the frame above the bolster compressed between said spring seats and the frame for forcing the shoe portions against the bolster.

2,407,876
FOLLOW-UP CONTROL SYSTEM
Sidney Godet, Albany, N. Y., assignor to General Electric Company, a corporation of New York
Application November 30, 1943, Serial No. 512,359
2 Claims. (Cl. 172—239)



1. A follow-up control system comprising in combination, a pilot device, a driven object, driving means for said object, coarse and fine controlling means responsive to positional disagreement of said pilot device and driven object for producing periodically varying control voltages for controlling said driving means to drive said object toward a position of correspondence with said pilot device, means for transferring control of said driving means between said fine and coarse controlling means in response to the magnitude of said positional disagreement, means for dephasing the control voltage produced by said coarse control means a predetermined amount with respect to the other of said control voltages, and means for adding to said coarse control voltage an alternating voltage opposite in phase and substantially equal in magnitude to the magnitude of said dephased voltage when said pilot device and driven object are in positional agreement.

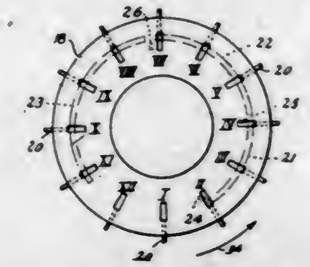
2,407,877
INTERLOCK APPARATUS
John N. Good, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 30, 1942, Serial No. 452,950
5 Claims. (Cl. 74—483)



1. In combination, a casing, two independent lever members each having a first position in which both are arranged side by side, said lever members being movable in opposite directions each to a second position and being then further movable in opposite directions each to a third position, interlock means connecting said lever members providing for independent movement thereof to their first and second position and movement of either to its third position with the

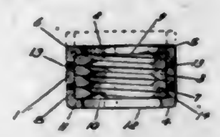
other in its first or second position, said interlock means being operative with either of said lever members in its said third position to prevent movement of the other to its third position.

2,407,878
MEANS FOR CARRYING OUT THE HEAT-TREATMENT OF GLASS ARTICLES
Ernest Greetham, London, England
Application October 17, 1944, Serial No. 559,102
In Great Britain December 11, 1942
6 Claims. (Cl. 49—58)



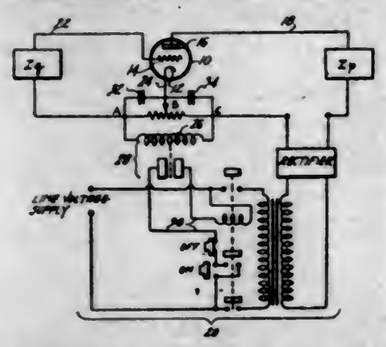
1. In a device for heating glass articles to progressively increasing temperatures said device having a table rotatable about a stationary support and work holders and heaters arranged on said table, gas supply means for said heaters, said means comprising a valve plate secured to the stationary support, said plate having at one surface thereof a plurality of spaced apart main gas ports and auxiliary ports intermediate the spaces between the main ports, a second valve plate, said second valve plate being secured to the table and movable therewith, and in surface engagement with the first mentioned plate, the said second plate having a plurality of ports in its engaging surface, and corresponding in number to the number of work holders, the ports in the movable plate being arranged so as to be in communication with the main ports and to register with one of the auxiliary ports just prior to breaking communication with one of said main ports and to break communication with the said auxiliary port immediately after making communication with the next main port, gas inlet means connected to the stationary plate ports, and gas outlet means from the movable plate ports connected to the heaters.

2,407,879
COMPOSITE NUT
Otto Haas, Richmond Hill, N. Y., assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y., a corporation of New York
Application July 8, 1944, Serial No. 544,029
16 Claims. (Cl. 85—32)



1. A nut comprising a barrel with a cylindrical inner surface and embodying a top rim and a bottom flange both inwardly projecting, and a helical coil between said rim and said flange and having screw-thread-forming portions of its convolutions projecting inwardly from said rim and said flange, said coil convolutions being bonded to the wall of said barrel intermediate the ends of the coil.

2,407,880
PROTECTION FOR ELECTRON TUBES
Robert F. Holtz, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1944, Serial No. 561,280
4 Claims. (Cl. 315—119)



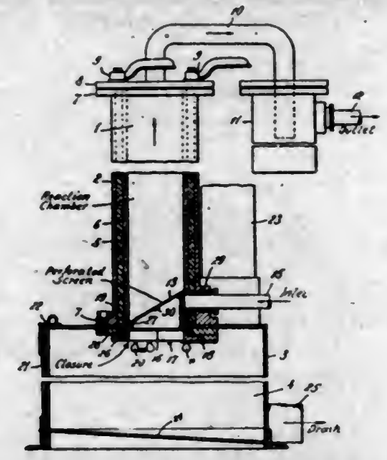
1. A system for protecting an electron tube, which has external grid and anode circuits, from damage due to an abnormal flow of current in either of said circuits, said system comprising a resistor connected in each of said circuits to form a balanced bridge circuit on normal flow of current in said circuits, said resistors forming two of the arms of said bridge, and the remaining total impedances of each of said circuits forming the other two arms of said bridge, means for adjusting the relative values of said resistors, and a relay for de-energizing said tube having its actuating winding connected across opposite points of said bridge, whereby on abnormal flow of current in either of said external circuits the balance of said bridge will be disturbed and said relay actuated to de-energize said tube.

2,407,881
PREPARATION OF GALVANIZED SHEETS TO RECEIVE RESINOUS COATINGS
George R. Hoover and Noble E. Hays, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
No Drawing. Application July 30, 1940, Serial No. 348,442
6 Claims. (Cl. 117—49)

1. A process for the treatment of galvanized ferrous articles including steps to free them from a blistering tendency when coated with thermosetting enamels, which comprises heat treating the galvanized sheets at a temperature and for a time sufficient to destroy the blistering tendency, but below a temperature and time cycle at which adherence of a galvanized coating will be adversely affected, and hence without altering the extent of alloy formation, said temperature being applied by passing the articles through a continuous heat treating furnace and subjecting them therein to a temperature of from 450 to 550° F. for from 3 to 15 minutes, the time duration of the heat treatment varying substantially inversely to the temperature thereof, and thereafter coating the articles with a thermosetting enamel.

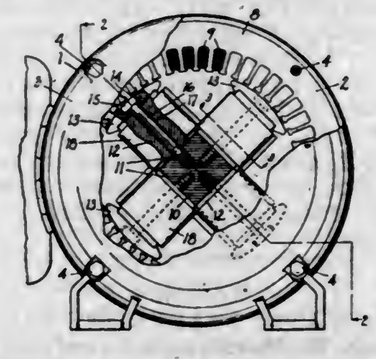
2,407,882
GENERATOR
Willis S. Hutchinson, St. Paul, Minn., and Eric R. Woodward, New York, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application May 27, 1944, Serial No. 537,752
5 Claims. (Cl. 23—281)

1. A gas generator comprising a reaction chamber, a vented discharge chamber below the reaction chamber, and a gas-impervious disc intermediate the chambers sufficiently strong to withstand a predetermined operating pressure in the



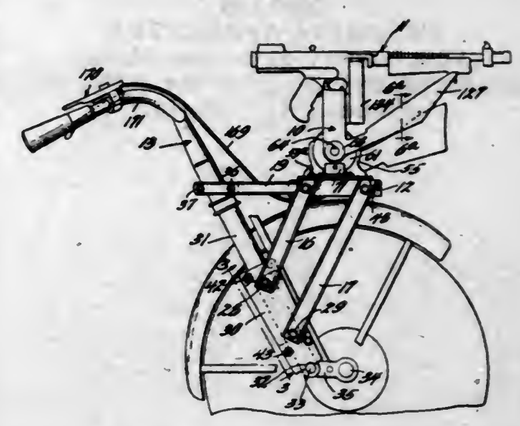
reaction chamber but rupturable at pressures exceeding such predetermined pressure to provide a passage-way between the chambers.

2,407,883
PERMANENT MAGNET FIELD GENERATOR
Corwill Jackson, Ludington, Mich.
Application February 21, 1944, Serial No. 523,222
5 Claims. (Cl. 171—209)



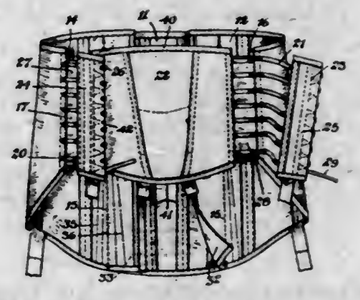
1. In a generator, the combination of a wound armature stator, a rotor rotatable within said stator and comprising a shaft having a portion of rectangular section intermediate its bearings, a plurality of pairs of block-like permanent magnet pole pieces mounted on the flat sides of said shaft in radially disposed relation, pole piece shoes detachably connected to said permanent magnet pole pieces and having recessed inner sides receiving the ends of said permanent magnet pole pieces, each permanent magnet pole piece being disposed with one magnetic pole abutting said shaft and with the opposite magnetic pole abutting a pole piece shoe, said pole piece shoes being of a length corresponding substantially to the width of the armature, radially disposed cap screws, each cap screw arranged through one of said pole piece shoes and radially through both the north and south magnetic poles of one of said permanent magnet pole pieces and threaded into said shaft whereby the permanent magnet pole pieces and pole piece shoes are detachably secured together and to the shaft, and copper bands of low resistance surrounding the permanent magnet pole pieces in closely embracing direct contact therewith, the ends of the copper bands being overlapped and brazed together, the width of the bands approximating the radial length of the permanent magnet pole pieces and extending approximately from said shaft to the pole piece shoes.

2,407,884
MACHINE GUN MOUNT
Greenhow Johnston, Richmond, Va., assignor of one-half to Greenhow Maury, Jr., Richmond, Va.
Application December 3, 1942, Serial No. 467,770
26 Claims. (Cl. 89—40)



1. In a mount for an instrument having a portion to be engaged, a pair of hook members for engaging said instrument portion, means to move said hook members upwardly and outwardly to allow the entry of the portion therebetween, and downwardly and convergently to clamp said portion in position, and a second means to impart an additional downward movement to said hook members.

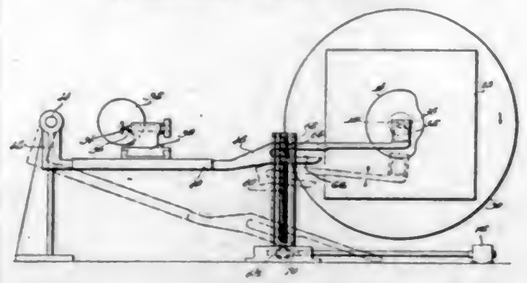
2,407,885
GARMENT
Joseph J. Kispert, New Haven, Conn., assignor to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application September 17, 1942, Serial No. 458,659
2 Claims. (Cl. 2—27)



1. A step-in maternity garment comprising an elongated back section covering the wearer's buttocks, side sections with marginal portions in overlapping relation to said back section and temporarily secured thereto by basting, the marginal portions of said side sections being provided with downwardly diverging gauge lines serving as guides in stitching the sections together more permanently when the garment is fitted, a short unitary abdomen supporting front section extending only to the lower part of the abdomen and loosely connected to the forward edges of the side sections by tapes passing through eyelets therein, lacing flaps secured to the opposite ends of said tapes and provided with flexible stays and lacing hooks, protecting sections of light fabric underlying said tapes and stitched to the forward edges of the side sec-

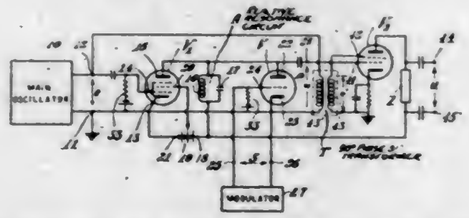
tions and the side edges of the front section, said protecting sections and said tapes being of sufficient length to permit the garment to be pulled over the wearer's hips, and laces cooperating with the lacing hooks to tighten the garment as desired.

2,407,886
TRACKING APPARATUS
Max Knobel, Arlington, Mass.
Application March 31, 1944, Serial No. 529,000
5 Claims. (Cl. 90—13.7)



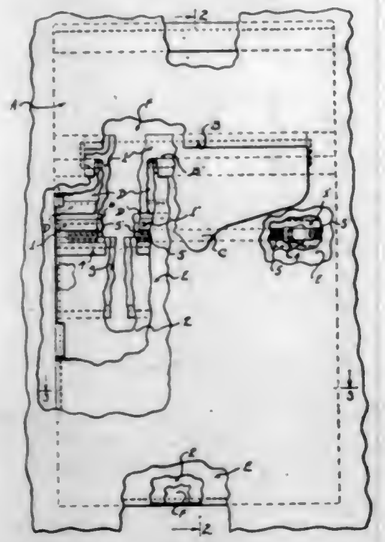
1. Tracking apparatus comprising a pattern having a narrow light-transmitting line scratched in an opaque coating on a transparent sheet, a movable member having an aperture through which the line is sighted, a work support, an instrument for operating on the work, the aperture being of the same shape as the operating part of said instrument but of different size according to a scale factor, a pivoted rigid connection between said member and said instrument whereby they are moved with relation to the pattern and the work, respectively, at rates depending on the scale factor.

2,407,887
PHASE MODULATION SYSTEM
Edouard Labin, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 20, 1944, Serial No. 527,286
10 Claims. (Cl. 179—171.5)



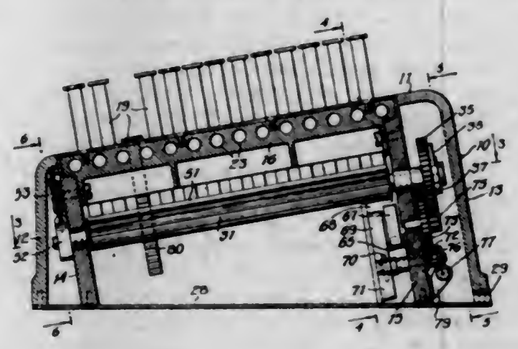
9. A system for modulating the phase angle of an electrical oscillation in accordance with a modulating potential, which comprises a source of main oscillation, a network comprising a susceptance and a variable conductance coupled to said source, means energized by said modulating potential to vary said conductance proportional to the trigonometric tangent function from zero to $\pi/2$ of an angle proportional to the amplitude of said modulating potential to produce a first component oscillation having a phase angle varying as the ratio of said conductance to said susceptance and an amplitude varying as a trigonometric function of said phase angle, means to derive a second component oscillation of constant amplitude and phase with respect to said main oscillation, and means to vectorially combine said first and second component oscillations to produce a resultant oscillation of constant amplitude having a phase angle linearly proportional to the amplitude of said modulating potential.

2,407,888
CONCEALED GARMENT POCKET
Julius Lesser, Chicago, Ill.
Application October 19, 1945, Serial No. 623,321
1 Claim. (Cl. 2—253)



A double garment pocket comprising an intermediate wall having a lower mouth lip, a reinforcing piece extending below said wall lip, a series of stitched folds about the lip, including the ends of the wall and reinforcing piece, a tape interfolded with the end wall and reinforcing piece forming an offset guard ridge, links projecting from the tape intermediate of the projecting guard ridges of said lip, a strip extending downwardly to complete the intermediate wall, and links carried thereby engaging the lower guarded links, whereby the user's hand is protected when inserted in the pocket.

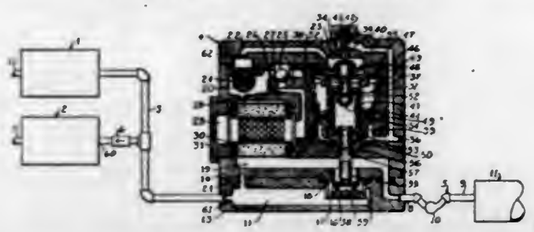
2,407,889
AUTOMATIC TELEPHONE DIALER
Thomas W. MacKenzie, Cranford, N. J.
Application June 9, 1944, Serial No. 539,512
21 Claims. (Cl. 179—90)



1. An automatic telephone dialer comprising a frame, means forming two rows of longitudinally spaced key receiving channels at the upper portion of the frame, keys having rack surfaces mounted to move vertically in said channels, elongated gears in the frame one adjacent each row of keys and adapted to be operated by any one of the keys in a row, spring motors operatively engaging said gears, two control rods, one arranged longitudinally of each row of keys, said rods being of rectangular cross sectional form, means maintaining said rods in operative engagement with spaced elements on each of the keys

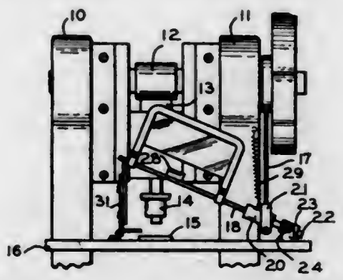
characterizing predetermined telephone numbers, two independent impulse transmitting devices, independent switches controlling circuits to said devices, and means in direct operative engagement with each bar for closing and opening the circuit through an associated switch device in controlling automatic transmission of a telephone number by movement of a key relatively to its associated rod.

2,407,890
PROTECTION VALVE DEVICE
Glenn T. McClure, McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 15, 1945, Serial No. 582,934
11 Claims. (Cl. 303—84)



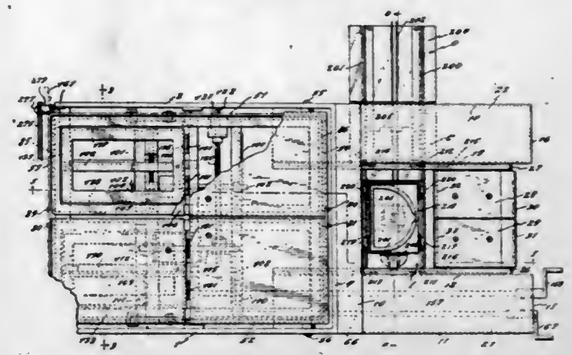
1. The combination with a fluid conducting conduit normally charged with fluid under pressure, of a valve device comprising a casing having two communicating passages constituting a portion of said conduit, a valve operative to open and close the communication between said passages, movable abutment means for actuating said valve and operative in response to fluid pressure for closing said valve, a spring urging the movable abutment in a direction for opening said valve, and valve means for controlling communication between one of said two passages and said movable abutment means, said valve means being responsive to a reduction in fluid pressure in said one passage to a predetermined degree to open the latter communication and responsive to an increase in fluid pressure in said one passage to a predetermined higher degree to close the latter communication.

2,407,891
SAFETY APPLIANCE
George W. McKinstry, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 22, 1943, Serial No. 488,075
5 Claims. (Cl. 74—615)



1. In a machine of the type described having a bedplate for holding a workpiece to be acted upon by a die, the combination of means for moving said die into work engaging position; guard means adapted to be actuated by one hand of an operator and movable to a position intermediate said bedplate and the operator, said guard means actuating said moving means as the same is moved to said intermediate position; means for locking said guard means against movement; and means spaced from said guard means and requiring the other hand of the operator to actuate the same to release said locking means.

2,407,892
HOSPITAL BED
Otto Mehr, North Bergen, N. J.
Application May 20, 1943, Serial No. 487,702
3 Claims. (Cl. 5—90)



1. The combination with a hospital bed having a frame, a torso-supporting portion and a leg-supporting portion mounted on said frame, of a centrally disposed section slidably mounted in said leg-supporting portion for movement to provide an opening in said leg-supporting portion, a bed-pan support and track means disposed underneath the leg-supporting portion, means mounting said track means on said frame for disposition from a point beneath said opening to a position beyond an edge of said frame, said support being movable along said track means from a station below said opening to a station outside said frame, said track mounting means including a platform located underneath the leg-supporting portion, means mounting said platform on said bed frame for movement in a horizontal direction therebeneath, including means for raising and lowering said platform, a portion of said track means being carried upon said platform and movable therewith both horizontally and in the raising and lowering thereof, said movable portion of said track means being thereby adapted to be aligned with the non-movable portion, whereby said bed pan support may be placed upon the movable platform and raised therewith into said opening or may be lowered from said opening and moved along said track means.

2,407,893
NAVIGATOR
Albert Meyer, Albuquerque, N. Mex.
Application October 13, 1943, Serial No. 506,111
2 Claims. (Cl. 33—1)

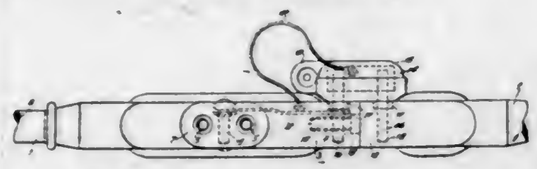
1. In a navigation calculating instrument one transparent washable disc of pyralin or other suitable material graduated circumferentially around its outer edge and having a circular hole or opening at its center for mounting upon its companion disc, a companion disc of like transparent material arranged for mounting through a central opening below the upper disc and being graduated circumferentially along its outer edge and having lines approximately 1 inch square etched upon its face, a disc of fibre or other material of the same circular dimensions as its companion transparent discs and having a circular hole at its center containing a retaining spring for the purpose of holding and retaining a central mounting stud upon which companion

transparent discs are mounted, a stud or bolt retained in fibre disc and extending thru central



openings of transparent super-imposed discs said discs being retained in position on stud by a thumb nut screwed to stud from top.

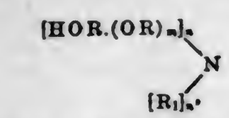
2,407,894
ELECTRICAL CONNECTING UNIT
James B. Miller, Webster Groves, Mo., assignor to Mines Equipment Company, St. Louis, Mo., a corporation of Missouri
Application November 24, 1941, Serial No. 420,249
9 Claims. (Cl. 173—334)



1. A plug-socket connector combination of the character described, comprising: a socket connector having a body, a socket contact housed in said body, and means on said body engageable with external locking means; a plug connector having a body, a plug contact housed therein, and engageable with said socket contact, and means on said plug connector body engageable with external locking means; and a locking device having means engageable with said lock-engageable means on both said bodies when said plug and socket connectors are in engagement with each other to lock the same against accidental disengagement, said bodies having mutually engageable sealing means, and said locking device having sealing means engageable with said sealing means on one of said bodies when not in engagement with the other to provide a water-tight enclosure for the contact thereof.

2,407,895
PROCESSES FOR RESOLVING OIL-IN-WATER EMULSIONS
Louis T. Monson, Alhambra, William W. Anderson, Montebello, and Fred W. Jenkins, Los Angeles, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1944, Serial No. 557,374
8 Claims. (Cl. 252—344)

1. A process for breaking petroleum emulsions of the oil-in-water type, characterized by subjecting the emulsion to the action of a surface-active heat-polymerized aminoalcohol of the formula:

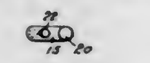


wherein OR is an alkylene oxide radical having not over 4 carbon atoms and selected from the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals, glycid radicals, and methyl glycid radicals consisting of hydrogen atoms and alkyl radicals having 6 carbon atoms or less; m represents a numeral varying from 0 to 3; n represents the numeral 2 or 3; and n' represents the numeral 0 or 1, with the proviso that $n+n'=3$; said heat-polymerized compound being selected from the class consisting of the anhydro base, the hydrated base, and salts.

2,407,896
METHOD OF RECOVERING THE SALT-FORMING COMPONENTS OF NYLON
Clovis D. Myers, Ardentown, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1943, Serial No. 492,716
7 Claims. (Cl. 260—78)

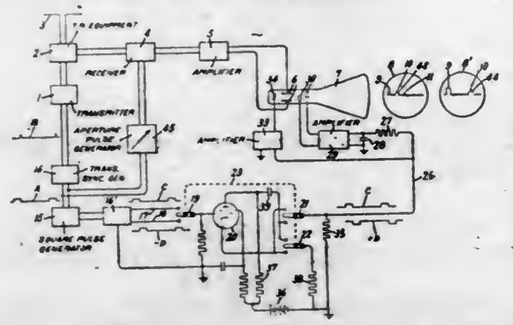
1. A process of recovering adipic acid and hexamethylene diamine suitable for reuse from polymeric hexamethylene adipamide waste, which comprises repeatedly hydrolyzing a mass containing the said adipamide with a mineral acid, and removing the adipic acid from the hydrolyzed mixture of each hydrolyzing step.

2,407,897
POCKETKNIFE
George W. Newman, Kansas City, Mo.
Application July 9, 1945, Serial No. 603,871
1 Claim. (Cl. 30—159)



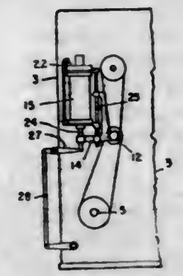
In a pocket knife, in combination with a handle having two parallel longitudinal lining plates, a cap end plate fastened to the outer side of one of said lining plates and forming therewith at its inner side a chamber, said one lining plate having through it a hole communicating with said chamber, said cap end plate having a hole therethrough communicating with said chamber and the atmosphere, and a pivot pin extending through said lining plates and said cap end plate, of a blade pivoted at its butt end on said pivot pin between said lining plates and adapted to swing approximately 180 degrees on said pivot pin to and extended open position and to a closed position, the side of said butt end next said lining plate having said hole having in it two locking recesses at diametrically opposite sides of said pivot pin and equally spaced therefrom and positioned to alternately register with said hole in said lining plate when said blade is in the fully open and fully closed positions, a locking lever in said chamber pivoted between its ends against said one lining plate and having at one end on its inner side a locking projection adapted to extend through said hole in said lining plate into the said recess in said butt end which at the time registers with said hole in said lining plate and having at its other end and outer side a manually depressible portion normally extending into said hole in said end cap, and, when so depressed, swinging said lever to its unlocked position in which said locking projection will be withdrawn from said registering recess, said lever having through it between its ends a tapering hole through which said pivot pin extends, and means normally forcing said lever to its locking position.

2,407,898
CATHODE-RAY APPARATUS
Donald E. Norgaard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application June 8, 1942, Serial No. 446,231. Divided and this application February 5, 1943, Serial No. 474,766
7 Claims. (Cl. 315—22)



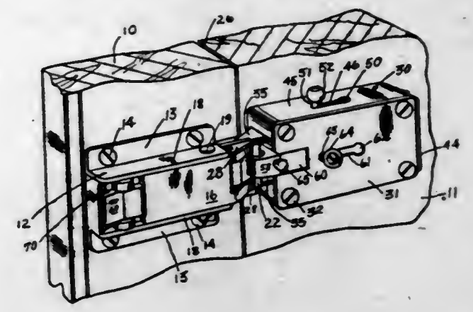
4. In combination, a cathode ray device having a viewing screen, means to deflect the ray of said device over a predetermined path on said screen in either of two different time intervals, said means comprising means to select either one of two square waves in accord with the time interval desired, means to integrate the square wave selected by said last means, and means to deflect said ray in accord with the integral produced by said last means, each of said square waves having positive and negative portions related in duration to deflect said ray over said path in the respective time interval.

2,407,899
WIRE REELING MECHANISM
Norman H. Nye, Cuyahoga Falls, and Walter E. Rogers, Stow, Ohio, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application May 30, 1944, Serial No. 537,998
3 Claims. (Cl. 242—45)



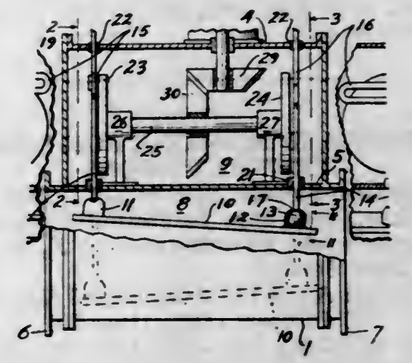
1. In mechanism for winding stranded material, a rotatable winding spool, a variable speed drive therefor, and means for adjusting said drive, said means including a fluid-containing cylinder, a piston reciprocable in said cylinder and operatively connected with said drive, means other than said fluid associated with said piston and tending to move same to reduce the speed of said drive, a check valve normally preventing escape of fluid from said cylinder in front of said piston whereby such movement of the latter is restrained, means engaging the material as it passes to said spool and adapted to be actuated thereby to unseat said check valve, and a by-pass permitting flow of fluid from the rear to the front of said piston.

2,407,900
COMBINATION LOCK AND LATCH FOR DOORS
Irving Paul, Chicago, Ill.
Application January 10, 1946, Serial No. 640,271
6 Claims. (Cl. 70—93)



1. In combination, a body attached to a door and providing a key-actuated slidable lock bolt and a slidable latch bolt, a keeper plate attached to a door jamb with which the door is swingingly associated and adapted to cooperate with the lock bolt for locking the door to the jamb, and a latch arm comprising sections adapted to be folded upon themselves and pivotally carried by the jamb and adapted to cooperate with the latch bolt to limit the opening of the door relative to the jamb when the lock bolt and keeper plate are disassociated with respect to each other.

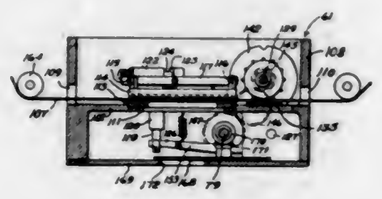
2,407,901
VANE MOTOR
Earl E. Petzold, Burbank, Calif.
Application December 21, 1943, Serial No. 515,168
5 Claims. (Cl. 103—80)



1. A fluid propelling device comprising a housing having a plurality of chambers, one of the chambers constituting an open duct and another of the chambers constituting a closed compartment, a movable plate means in the duct and mechanism in the compartment for moving the plate means in a sinuous manner, the mechanism comprising a crank shaft with a pair of spaced apart crank elements keyed thereto, a crank-pin at the periphery of each of the elements, a reciprocable rod adjacent each of the elements and

entering said duct, means at the top of the rods connecting with their respective adjacent crank-pin and means at the other ends of the rods pivotally connecting with opposite edges of the plate means and power means connected to the shaft for rotating it, said rods including cross-like frames, each frame having a short arm and a long arm, the short arm of each frame having a guide slot, and said crank-pins engaging the slots of the short arms of the frame.

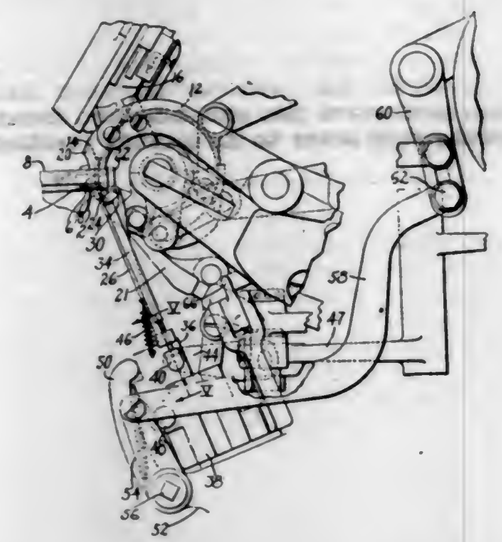
2,407,902
CAMERA
Verneur E. Pratt, Norwalk, Conn., assignor to Microstat Corporation, a corporation of Delaware
Original application January 3, 1942, Serial No. 425,528. Divided and this application July 1, 1943, Serial No. 493,034
3 Claims. (Cl. 88—28)



1. In a camera projector, a horizontal rectangular frame having vertical sides, a web within said frame and joining said sides to divide said frame into an upper and a lower compartment, a film gate formed in said web, a transparent pressure plate in said upper compartment, a holder for said pressure plate, a yoke on which said holder is trunnioned, a lever supported on said web in said upper compartment and carrying said yoke, a plunger reciprocally mounted in said web and having its upper end pivotally connected to said lever, spring means urging said plunger and imparting said urge via said lever to said pressure plate, an intermittent movement for moving said film through said gate, and cam means in said lower compartment connected to said movement and adapted to move said plunger against the urge of said spring and separate the pressure plate from said film gate while said film is moving therethrough.

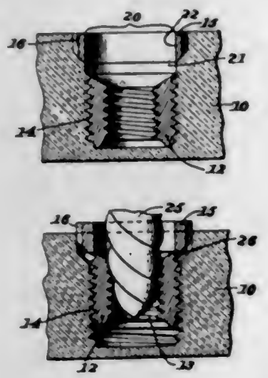
2,407,903
METHOD AND MACHINE FOR MAKING PREWELT SHOES
Edward Quinn, Saugus, and Israel I. Hersey, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 17, 1943, Serial No. 483,410
28 Claims. (Cl. 112—46)

10. In a machine for sewing the marginal portions of a shoe sole to the projecting edge portions of the welt on a prewelted upper while unsupported by a last, the combination with stitch forming devices including a needle, a work feeding awl, a work support shaped to enter the crease between the welt and the upper, a presser foot for clamping and releasing the sole and welt to enable movement of the work on the work support and the parts to become connected together in relatively unrestrained condition, and a back gage for guiding the outer edge of the welt and sole into registry, of a welt engaging pointed member located along the line of feed in advance of the needle and actuated to draw an unsewed portion of the welt only uniformly against the back gage



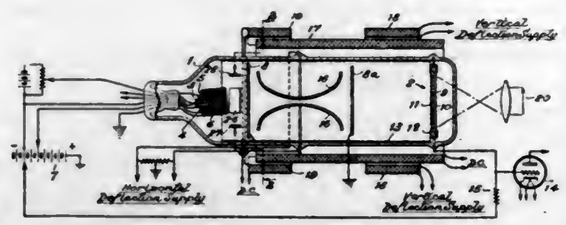
before the awl penetrates the work in each sewing cycle.

2,407,904
METHOD OF REMOVING AND REPLACING INSERTS
Joseph Rosan, North Hollywood, Calif.
Application June 9, 1943, Serial No. 490,200
1 Claim. (Cl. 29—148)



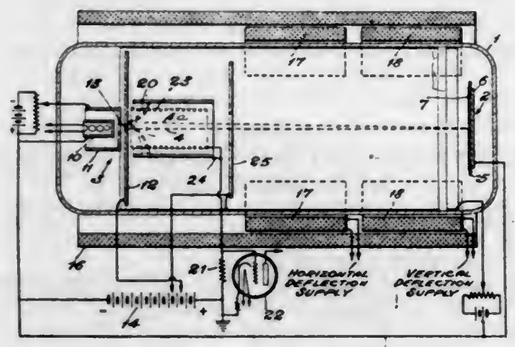
A method of removing an insert from a body and replacing the same with a substitute insert, the first insert having a threaded shank fitting within a correspondingly shaped cavity in the body, and an enlarged axially serrated head disposed and restrained against rotation within a correspondingly shaped cavity, said method comprising cutting into the body on a diameter less than the root diameter of the axial serrations on the head to disconnect the head from the shank, unscrewing the shank from its cavity, axially removing the head, thereby leaving in said body an interiorly threaded bore and an enlarged, axially serrated counterbore, screwing into the bore a substitute insert having an exteriorly threaded shank and an axially serrated head of substantially less diameter than said counterbore, and inserting in the counterbore a locking ring having internal serrations mating with those on the insert head and external serrations mating with those in the walls of the counterbore, to prevent rotation of the ring and the substitute insert with respect to the body.

2,407,905
TELEVISION TRANSMITTING APPARATUS AND METHOD OF OPERATION
Albert Rose, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 11, 1942, Serial No. 438,562
20 Claims. (Cl. 178—7.2)



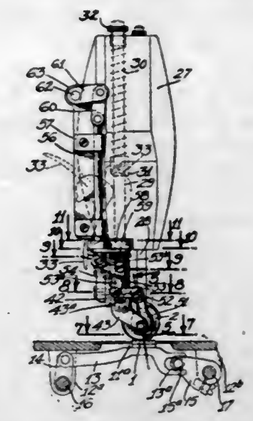
1. The method of reducing distortion in a television transmitting tube of the low velocity electron beam type comprising the steps of developing an electron beam having a helical path in a longitudinal magnetic field, developing a field of constant magnitude having lines of force transverse to the axis of said helical path and orienting said field to a position at which the radius of said helical path is a minimum and approaches a substantially straight path.

2,407,906
LOW VELOCITY TELEVISION TRANSMITTING APPARATUS
Albert Rose, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 27, 1942, Serial No. 456,344
10 Claims. (Cl. 250—150)



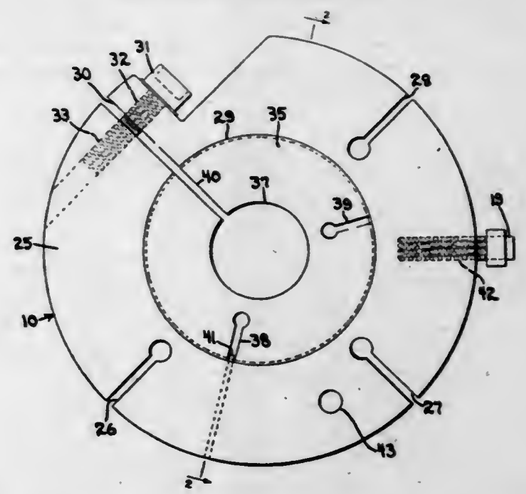
1. Television transmitting apparatus comprising an evacuated envelope, an electron source within said envelope, a target oppositely disposed from said source adapted to receive electrons from said source, magnetic means to develop a magnetic field extending from said cathode to said target, an anode having an electron beam limiting aperture between said source and said target, magnetic means between said anode and said target to deflect electrons passing through said limiting aperture over the surface of said target whereby electrons not reaching said target are returned to said anode along paths substantially coincident with but surrounding the initial path of electrons flowing toward said target, and means including an electrode positioned about said initial path and between said anode and said magnetic means to intercept secondary electrons developed by electrons returning from said target incident on said anode.

2,407,907
MATERIAL FEED MECHANISM FOR SEWING MACHINES
John E. Scott, Los [illegible]eles, Calif.
Application January 3, 1944, Serial No. 516,752
8 Claims. (Cl. 112—214)



2. In a feed mechanism of the class described, the combination with a sewing machine having a walking feed, means for operating the same, and a presser bar, of a roller positioned above and opposite said feed, a support on the machine for the roller, means, connected to the operating means, for intermittently and positively rotating the roller for moving the peripheral portion thereof in the direction of and simultaneously with the movement of the walking feed, said support being pivotally supported on a vertical axis on the presser bar, means for raising the presser bar and roller, and means in connection with the support and the presser bar for detachably locking the roller for normal sewing operation against shifting about said vertical axis.

2,407,908
WORK DRIVING DOG
Elio C. Ventres, Worcester, Mass.
Application June 20, 1945, Serial No. 600,587
5 Claims. (Cl. 82—41)



5. In a work holding and driving dog, a disk-shaped driving plate, a driving pin adjustably mounted thereon, a central aperture in said plate, a radially extending slot through said plate, a work receiving bushing the outer periphery of which mates with the aperture in said plate, a radially extending slot through said bushing, means to align the radial slots in said plate and said bushing, and a lever actuated clamping

mechanism arranged on opposite sides of the radial slot through said plate to facilitate clamping the plate and bushing into driving relation with a work piece.

2,407,909
PURIFICATION OF CRUDE CELLULOSIC MATERIAL

George P. Vincent, Poughkeepsie, N. Y., and Archie L. Dubeau, Rumford, R. I., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

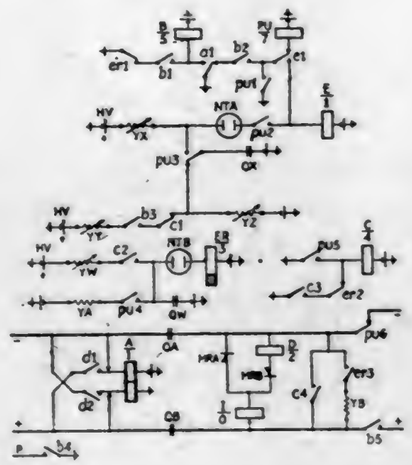
No Drawing. Application September 18, 1940, Serial No. 357,281
4 Claims. (Cl. 92—13)

1. A process for purifying crude cellulosic vegetable materials which comprises impregnating said material with an alkaline aqueous solution containing about 4 to 12% of caustic soda, discharging solution from the material until the ratio by weight of solution remaining in the material to the material is about 2:1, exposing the said material while wet with the solution to the action of steam for a period of at least about one-half hour in a steam chamber, thereafter washing the material with water, impregnating it with an acid aqueous solution containing sodium chlorite in amount effective to eliminate a substantial part of the non-cellulose impurities remaining in the material, discharging solution therefrom until the ratio by weight of solution remaining in the material to the material is about 2:1, and exposing the said material while wet with the second said solution to the action of steam for a period of at least about one-half hour in a steam chamber.

2,407,910
ELECTRICAL SIGNALING SYSTEM

Reginald Taylor and George Thomas Baker, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application June 30, 1943, Serial No. 492,832
In Great Britain August 20, 1942
11 Claims. (Cl. 179—16)



1. In a signaling system, a repeater responsive to received make and break impulses over an incoming circuit for repeating the same over an outgoing circuit, a relay in the repeater operated by the first interruption of the incoming circuit, a second relay responsive to the operation of the first relay to open the outgoing circuit, a condenser, a gas discharge tube, means for charging the condenser to the striking voltage of the tube, and means responsive to the striking of the tube to terminate the operation of the second relay and thereby close the outgoing circuit.

2,407,911
WAVE PROPAGATION

Lewi Tonks and Le Roy Apker, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application April 16, 1942, Serial No. 439,248
7 Claims. (Cl. 178—44)

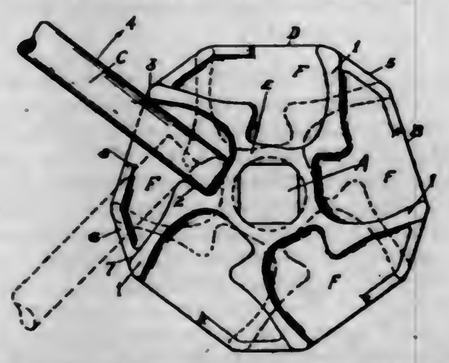


1. An electromagnetic system for propagating centimeter waves comprising a wave-propagating structure having a discontinuity at which reflection tends to occur, and means in proximity to said discontinuity and in the path of wave propagation for annulling the said reflection, said means comprising the combination of a plurality of spaced elements each constituting in itself a short section of wave-propagating structure and having a thickness in the direction of wave propagation which is a material fraction of the wave length of the waves to be propagated whereby the overall reflection from said combination is defined by a reflection coefficient in which both the spacing and thickness of the elements enter as dominant factors, the spacing of said elements with respect to one another being so adjusted that at any plane in said structure located in advance of the said elements and the said discontinuity with reference to the direction of wave propagation the reflection attributable to the elements is equal to that attributable to the said discontinuity, and the spacing of said elements with respect to the discontinuity being such that at the said plane a phase displacement of approximately $n\pi$ radians exists between reflections attributable to the discontinuity and reflections attributable to the elements, n being an odd integer.

2,407,912
SAFETY OPERATING HANDLE FOR CAR DOOR MECHANISM

Albert E. Zimmer, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application February 12, 1945, Serial No. 577,464
3 Claims. (Cl. 74—552)

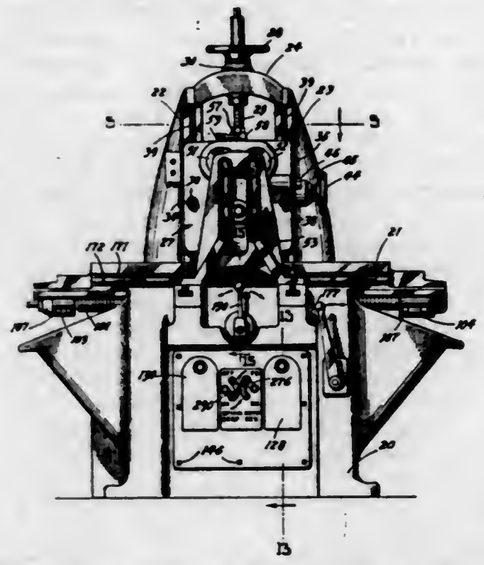


1. In a safety operating mechanism for the dump door operating mechanism of railway cars, the combination of an operating shaft for said door operating mechanism, manually operated means for rotating said shaft in either direction comprising a disc-like socket member secured to the shaft and having a plurality of sockets for the reception of a removable operating handle bar each of said sockets opening both on the periphery and on a side of the disc-like socket member, and a cam member associated with each socket and having an inclined surface adapted to engage the handle bar when the socket member is rotated in the same direction faster than it is rotated by the handle bar and eject said handle bar from said socket in a direction axially of the shaft.

2,407,913
MACHINE TOOL TRANSMISSION AND CONTROL MECHANISM

Joseph B. Armitage, Wauwatosa, and Orrin W. Barker, Milwaukee, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application February 23, 1942, Serial No. 431,908
20 Claims. (Cl. 90—21)



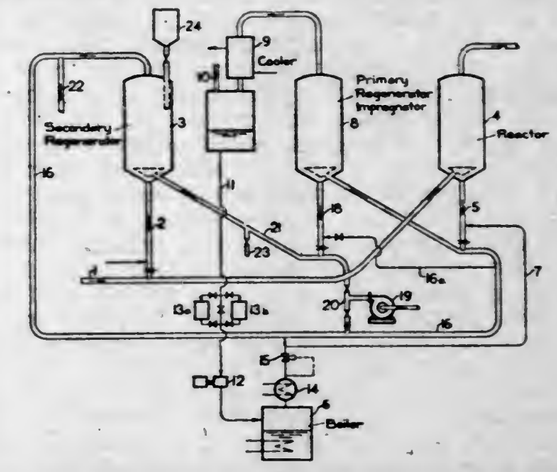
1. In a machine tool, a driving mechanism including a disconnecting clutch, a fluid pressure system arranged to move said clutch alternatively to connecting position or to disconnecting position, a valve operatively connected to control said fluid pressure system, means biasing said control valve to a position effecting movement of said clutch to connecting position, fluid pressure means selectively operable to force said valve to a position effecting disconnecting movement of said clutch, control means acting upon said fluid pressure means for controlling said valve to thereby effect control of said disconnecting clutch, and other control means acting mechanically upon said valve to move it to a position effecting disconnecting movement of said clutch.

2,407,914
CATALYTIC CONVERSION OF HYDROCARBONS AND THE PREPARATION OF CATALYSTS THEREFOR

William A. Bailey, Jr., Wilmington, and James Burgin, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application August 22, 1944, Serial No. 550,632
18 Claims. (Cl. 196—52)

1. Process for the preparation of boric oxide catalysts which comprises continuously feeding to a boiler an aqueous solution of boric acid, continuously generating in said boiler and withdrawing a steam-boric acid vapor mixture, superheating said mixture, expanding said superheated mixture, passing the superheated and expanded mixture up through a bed of an adsorptive base material consisting predominantly of alumina maintained at a temperature between about 140° C. and 590° C., cooling the exit vapors to condense an aqueous boric acid solution, adjusting the concentration of boric acid in said condensed boric acid solution, and feeding said solution to said boiler, thereby to impregnate said adsorptive aluminous base material with an effective amount of boric oxide.

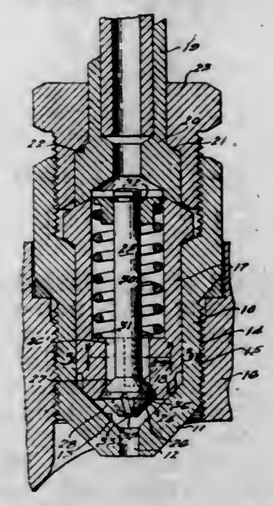


14. In a process for the catalytic conversion of a hydrocarbon with a catalyst comprising boric oxide and alumina in a fluidized catalyst system, the improvement which comprises effecting the regeneration of the catalyst in two stages, effecting the first stage at a temperature below about 500° C. with steam containing vapors of boric acid at a partial pressure of steam below 1 atmosphere, effecting the second stage at a temperature above about 500° C. with air, and replacing a portion of the total catalyst with an adsorptive base material consisting predominantly of alumina, whereby the activity of the catalyst in the system is maintained by the formation of fresh catalyst in said first regeneration stage.

2,407,915
INJECTION NOZZLE

Thomas M. Ball, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

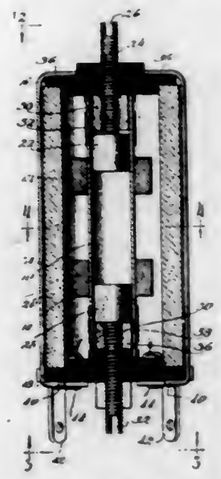
Application August 20, 1942, Serial No. 455,401
1 Claim. (Cl. 299—107.6)



A fuel nozzle comprising a hollow body portion provided with a fuel discharge opening communicating with the interior of said body portion, means for supplying fuel to the latter, a recipro-

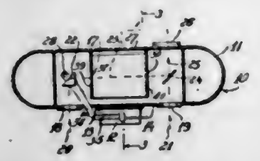
cable valve member shiftably mounted in the interior of said body portion having a head part provided with opposed faces, one adjacent and the other remote from said discharge opening and having a cylinder located between said faces, a fuel passageway extending through said valve head having an open inlet end located in the face of said head remote from said discharge opening, the face of said head adjacent said discharge opening having a fuel whirling groove therein provided with an open end at the periphery of said cylinder, an abutment surface in said body portion engageable in mating relationship by the face of said valve head remote from said discharge opening for closing the open inlet end of said passageway and cutting off the flow of fuel to said discharge outlet when said valve member is closed, a second abutment surface in said body portion engageable in mating relationship with the face of said valve head adjacent said discharge outlet when said valve member is in open position for closing a side of said fuel whirling groove, and a cylinder wall in said body portion between said abutment surfaces for receiving said cylinder of said valve head and closing the end of said fuel whirling groove, the face of said valve head remote from said outlet being disengageable from said first mentioned abutment face upon initial opening movement of said valve member for accommodating a preliminary flow of fuel through said passageway and said cylinder being removed from within said cylinder wall after a predetermined extent of opening movement of said valve member for accommodating a subsequent flow of fuel through said fuel whirling groove.

2,407,916
SHIELDED COIL
Howard O. Berg, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 10, 1943, Serial No. 482,528
5 Claims. (Cl. 250—16)



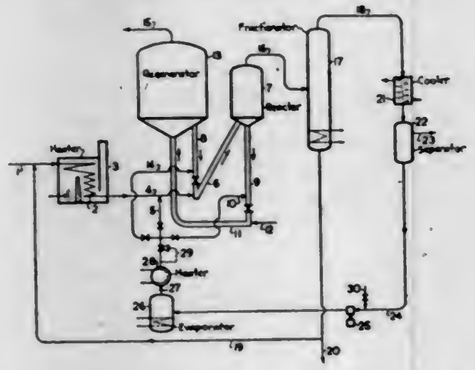
4. A shielded coil of the class described, comprising an insulating and non-magnetic tube having an inner and an outer metallic film at each end thereof, each inner film and its adjacent outer film forming a separate electrical condenser, electrical coils wound on said tube on the uncoated portion thereof, an iron dust core for each of said coils, an iron dust sleeve enclosing said coils and tube, end plates maintaining said tube and sleeve in spaced co-axial relationship, and a metal shield surrounding said sleeve and having portions overlying said end plates.

2,407,917
RANGE FINDER
Jacques Bolsey, New York, N. Y.
Substituted for abandoned application Serial No. 372,507, December 31, 1940. This application April 30, 1943, Serial No. 485,177
2 Claims. (Cl. 95—44)



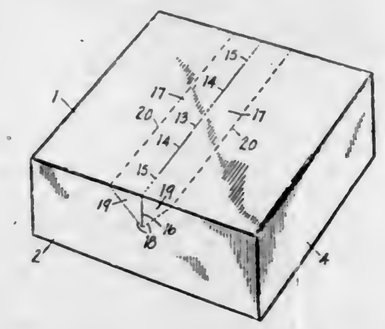
1. In a reflex camera a camera casing, a camera lens, a lens mount for said lens arranged on the front wall of said casing, a viewing chamber arranged in said casing and having side walls, aligned apertures in said side walls, a translucent screen for focusing purposes arranged within said viewing chamber parallel to the top wall of said casing, a focusing mirror in said viewing chamber adapted to reflect the light rays entering said casing through said camera lens on said translucent screen, two openings in the front wall of said casing defining a horizontal base and adapted to accept two light beams coming from the object to be photographed, a first reflecting member arranged inside of said casing in the path of the first of said light beams and reflecting it inside of said casing through said aligned apertures in said side walls of said viewing chamber and said viewing chamber itself along a path parallel to said camera front wall and said translucent screen crossing the path of the light rays reflected by said focusing mirror, a second reflecting member arranged at least partly in the path of the second of said light beams and adapted to reflect said reflected first light beam in a direction parallel to the path of said second light beam, a viewing opening in the rear wall of said camera casing arranged in the path of said second and said twice reflected first light beams, and means for adjusting said range finder in accordance with the position of said camera lens.

2,407,918
CATALYTIC CONVERSION OF CARBONACEOUS MATERIALS
James Burgin, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 1, 1943, Serial No. 489,296
22 Claims. (Cl. 196—50)



7. In a process for effecting a catalytic conversion of a hydrocarbon at an elevated temperature with a catalyst consisting essentially of a minor effective amount of boric oxide and a major amount of a relatively inert catalyst carrier wherein the hydrocarbon to be converted is passed in a fluid state in contact with the catalyst in a suitable reaction zone, the improvement which comprises forming a mixture of steam and boric acid, and passing said mixture through the reaction zone with the fluid hydrocarbon reactant to be converted.

2,407,919
DISPENSING BOX OR CONTAINER
Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan
Application October 8, 1945, Serial No. 621,003
2 Claims. (Cl. 206—57)

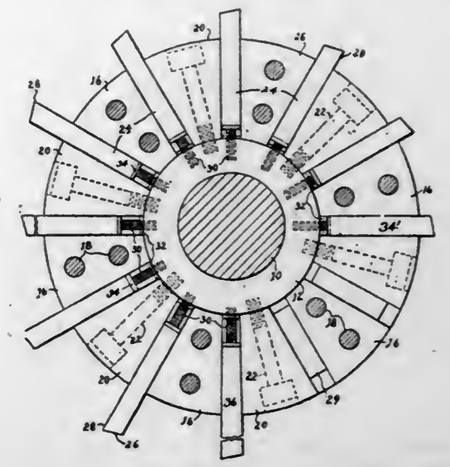


1. A dispensing carton comprising a top wall, and end walls integral therewith, the top wall having a central fracturing line extending from end to end thereof and comprising spaced relatively long slits and relatively short strips between said long slits, the end walls having slits of substantial length alined with and joining the fracturing line of the top, the top wall also having weakened hinge lines parallel to and spaced from said fracturing line, the end walls having diagonally disposed fracturing lines extending from said hinge lines to the outer ends of said slots in said end walls, the top wall sections between said hinge lines when the walls are fractured along said fracturing lines constituting closure members swingable to oppositely inclined positions and from between which the contents of the carton may be withdrawn.

2,407,920
PROCESS OF PRODUCING PENTAERYTHRITOL
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 25, 1942, Serial No. 459,707
8 Claims. (Cl. 260—635)

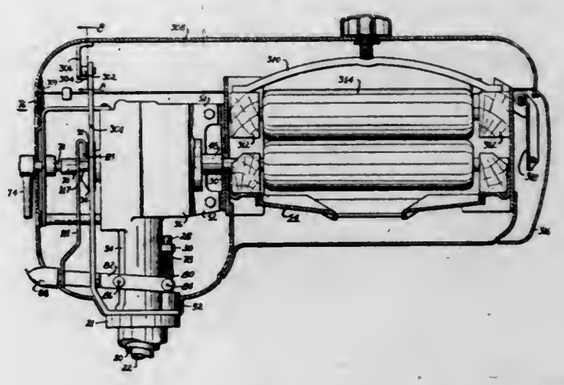
5. A process for making pentaerythritol comprising condensing acetaldehyde and formaldehyde in the presence of an alkaline material, adding an acidic precipitant for the metal ion of the alkaline material thereby freeing formic acid, treating the resulting mixture with a monohydric alcohol, which will form a ternary azeotropic composition having a boiling point of not more than 99° C. of such monohydric alcohol, the formic ester thereof and water, to convert the formic acid into the ester, distilling off said formic ester while maintaining the temperature of the mixture at from about 60° C. to about 99° C., and recovering pentaerythritol from the residue.

2,407,921
ROTARY BROACH
John Deliso, Worcester, Mass.
Application February 19, 1944, Serial No. 523,010
4 Claims. (Cl. 29—95.1)



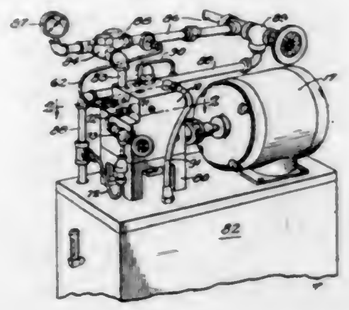
1. A rotary broach comprising a circular plate, spaced generally triangular elements secured in radial relation to a face of the plate, clamping members interposed between the elements, cutting tools clamped between the members and elements, and means to adjust the tools radially of the plate.

2,407,922
WRINGER
Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 28, 1943, Serial No. 488,840
5 Claims. (Cl. 68—249)



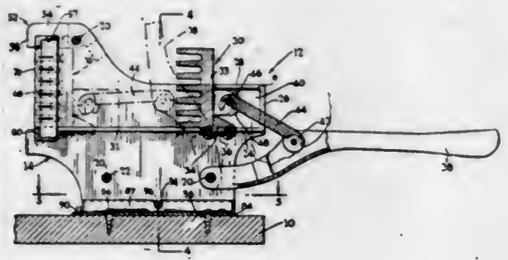
3. A wringer having a wringer frame, rolls mounted in the frame, a pressure means for the rolls, a driving mechanism for driving the rolls, normal control means having forward, reverse and neutral positions for controlling said driving mechanism, means providing a floating support for said frame, and means responsive to a movement of said frame with respect to its floating support for first moving said normal control means to its neutral position for disconnecting the driving mechanism from the rolls and thereafter upon further movement of said frame for releasing the pressure from the rolls.

2,407,923
PUMP
George E. Gall, Chicago, Ill., assignor to Anker-Holth Manufacturing Company, Inc., Chicago, Ill., a corporation of Michigan
Application January 31, 1944, Serial No. 520,391
7 Claims. (Cl. 103—10)



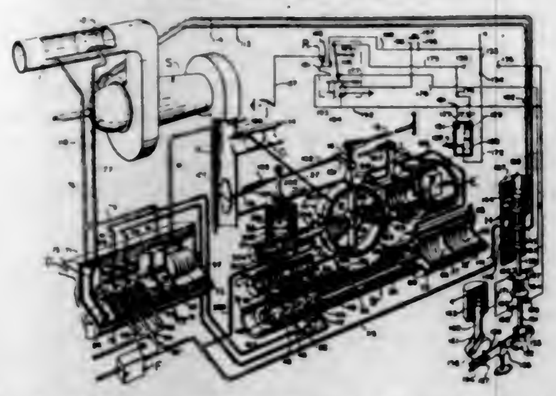
1. A pumping unit having a main outlet and comprising a high and low pressure section each having an outlet communicating with said main outlet, said low pressure section having its outlet connected also with the inlet of said high pressure section and being adapted to deliver liquid to said main outlet at a relatively fast rate so long as the pressure at said main outlet does not exceed a predetermined pressure, said low pressure section being also adapted to deliver liquid to said high pressure section when the pressure of said main outlet is in excess of said predetermined amount, a shaft for driving both of said pumping sections, a valve preventing backflow of liquid from said main outlet to said high pressure section, and a valve preventing backflow of liquid from the inlet of said high pressure section to said low pressure section.

2,407,924
FOOD SLICING MACHINE HAVING STATIONARY KNIVES AND A FOLLOWER FEED
Louis X. Garfunkel, New York, N. Y.
Application May 25, 1943, Serial No. 488,366
6 Claims. (Cl. 146—169)



1. In combination with a slicing machine frame on which is mounted a slicing machine head and a pusher ram reciprocable towards and away from said head, a mounting plate and cooperating means on said frame and plate to permit relative translatory sliding movement thereof in a direction parallel to that in which the ram reciprocates and to prevent movement in any direction transverse thereto, and means to optionally securely lock said frame and plate against such relative sliding movement in either direction.

2,407,925
APPARATUS FOR COMPARING PRESSURES
Henry W. Gilfillan, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application March 27, 1943, Serial No. 480,786. Divided and this application December 31, 1943, Serial No. 516,423
11 Claims. (Cl. 73—432)



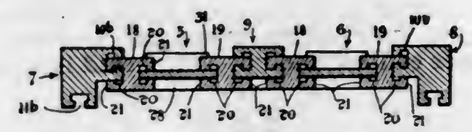
1. A device for comparing a small pressure quantity with a much larger pressure quantity by causing the small quantity to act against a much larger area than that acted against by the much larger quantity, said device comprising first and second diaphragms positioned opposite one another, the pressure-responsive area of the first diaphragm being larger than that of the second diaphragm, means for causing the much larger pressure quantity to apply force in one direction against the outer side of the first diaphragm, means for causing the much larger pressure quantity to apply force in the opposite direction against the second diaphragm, members secured to the inner sides of the first and second diaphragms and abutting one another for causing the forces to act in opposition to one another and to be resolved to a small force acting in the said one direction and being proportional to the product of the much larger pressure quantity and the difference in the pressure-responsive areas of the first and second diaphragms, a third diaphragm, means for applying the small pressure quantity against the third diaphragm in the said opposite direction, and means connecting the third diaphragm with the first and second diaphragms.

2,407,926
PAPER YARN
Kenneth Hamilton, Amsterdam, N. Y., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York
Application February 7, 1945, Serial No. 576,669
7 Claims. (Cl. 57—154)



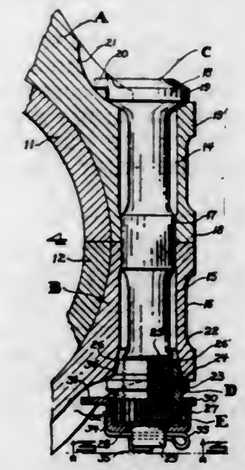
1. A yarn which comprises a strip of paper containing a substantial quantity of water distributed throughout the paper, the strip being formed with random generally longitudinal folds and twisted about its longitudinal axis, and a substantially continuous coating impenetrable by water covering the outer surface of the twisted strip, the water within the paper making the twisted coated strip flexible and the coating both adding to the wet strength of the twisted strip and preventing the escape of water therefrom.

2,407,927
MINIATURE SECTIONAL BUILDING CONSTRUCTION
Edward Hayden, Windsor, Ontario, Canada
Application May 5, 1945, Serial No. 592,100
2 Claims. (Cl. 46—19)



1. A miniature sectional building structure adapted to serve as a toy or builder's model, said structure comprising a plurality of detachably interlocked building elements, each element being provided with a T-shaped groove open at both ends and having one of the L-shaped defining walls of said groove slidably fitted within the T-shaped groove of an adjoining element, each part of the said L-shaped portion being in direct engagement with a wall portion of the T-shaped groove.

2,407,928
FASTENING DEVICE
Alexander G. Herreshoff, Grosse Pointe, and Wade Lamb, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 30, 1941, Serial No. 417,171
9 Claims. (Cl. 85—1)



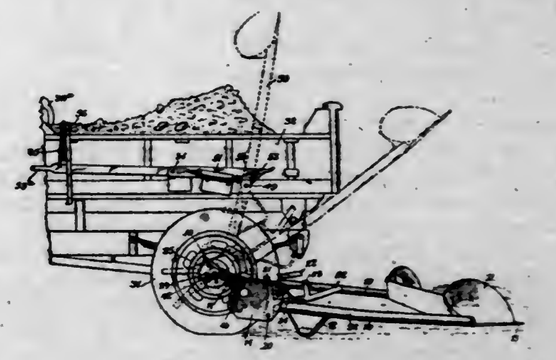
1. In a fastening device, a reaction-taking member having an opening formed with a frusto-conical seat portion, an abutment, a tension-taking element extending into said opening for seating at one end portion thereof on said abutment, the other end portion of said element having threads one portion of which extend for a distance along said element inwardly of said opening beyond said frusto-conical seat portion and another portion of which extend for a distance outwardly beyond said opening and said frusto-conical seat portion, a circumferentially continuous nut having threaded engagement with the threads of said element, said nut having a first portion thereof disposed within said opening and engaging said one portion of said threads, said nut having a second portion engaging said another portion of said threads, said nut having a frusto-conical seating portion intermediate its said first and second portions adapted to seat on the frusto-conical seat portion of said reaction-taking member such that said first and second portions of said nut extend in opposite directions beyond said seat portion of said opening.

2,407,929
CATHETER
Norman C. Jeckel, Glens Falls, N. Y., assignor to United States Catheter & Instrument Corp., a corporation of New York
Application April 29, 1944, Serial No. 533,281
13 Claims. (Cl. 87—11)



7. A braided tubular article having cylindrical portions and converging tapered portions therebetween, said tapered portions being formed from threads which enter into the braid of the cylindrical portions, certain of said threads leaving the braid in step-like order along the lengths of the tapered portions, passing inside of the braided tube and extending from one tapered portion to the other and inside thereof in unbraided relation.

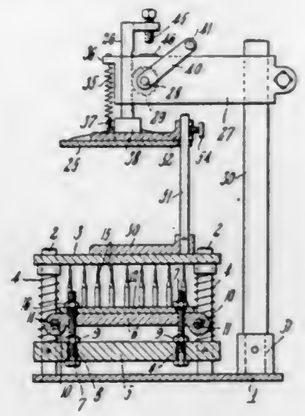
2,407,930
SHOVEL
Albert A. La Pointe, West Hartford, Conn., assignor to La Pointe Engineering Company, Unionville, Conn., a copartnership
Application March 9, 1945, Serial No. 581,729
5 Claims. (Cl. 214—81)



1. The combination with a vehicle having a body and a pair of drive wheels, of a pair of ratchet wheels connected to said drive wheels coaxially therewith, a pair of lifting arms pivotally mounted at one end coaxially with said drive and ratchet wheels, a scoop mounted at the opposite end of said arms and a pair of pawls mounted on said arms adjacent said pivoted end and engaging said ratchet wheels whereby the arms are caused to pivot upwardly raising the scoop in an arcuate line of movement from a ground position to a position above the vehicle body when the drive wheels rotate in one direction, and the arms are permitted to pivot downwardly and the scoop to return to the ground position along said arcuate line of movement in response to the attraction of gravity when the

drive wheels rotate in the opposite direction, further rotation of the drive wheels in the latter direction causing no vertical change in the ground position of the scoop.

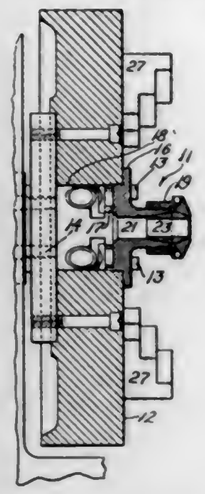
2,407,931
CIGAR PUNCHING MACHINE
John H. Lindsay and Sam Reso, Jacksonville, Fla., assignors to Universal Tobacco Machine Co., Inc., Jacksonville, Fla., a corporation of Florida
Application April 4, 1944, Serial No. 529,548
5 Claims. (Cl. 131—254)



1. A machine of the class described, comprising a pair of members movable from and toward each other, one of said members having recesses in its face remote from the other of said members spaced in accordance with the spacing of cigars in a bunch of cigars and perforated through said member from the bases of said recesses, a set of needles carried by the other of said members in line with said perforations, yieldable means normally separating said members sufficiently for the points of said needles to be back from the open ends of said recesses, a presser member moving in line with said pair of members for clamping a bunch of cigars with their rounded ends resting in said recesses, and for then pressing said perforated member toward the other of said pair of members to cause said needles to punch said cigars, and means limiting the approach of said presser member toward said perforated member to a predetermined distance during which approach said yielding means clamps the cigars of the bunch between said perforated and presser members, to thereby cause further motion of said presser member in pressing direction to move said perforated member positively and force the end portions of the cigars against the points of said needles to cause punching of the cigars.

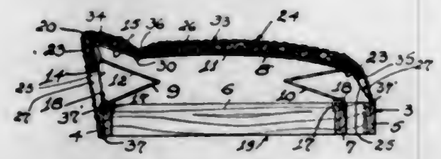
2,407,932
ATTACHMENT CHUCK
Frank R. Maxwell, Malden, Mass.
Application March 4, 1944, Serial No. 525,035
1 Claim. (Cl. 279—54)

An adapter attachment for application to an existing lathe chuck between the jaws thereof thereby to render the existing chuck capable of holding smaller work than is possible with the existing chuck as originally constructed, said adapter attachment comprising a body made with a hole through it, with a radial apertured flange upon its exterior to seat against the front face of the existing chuck, with a circular boss at its inner end to snugly but removably fit within the outer end of the bore of the existing chuck thereby to center the attachment, and having its outer end portion in the form of an exteriorly threaded nipple, the outer end portion of said hole being made conical with the larger end of said conical portion adjacent to the outer end of said nipple; an interiorly threaded nut adjustably mounted on said nipple; a longitudinally split bi-conical collet whereof one end is fitted within the outer conical end portion of said hole and the



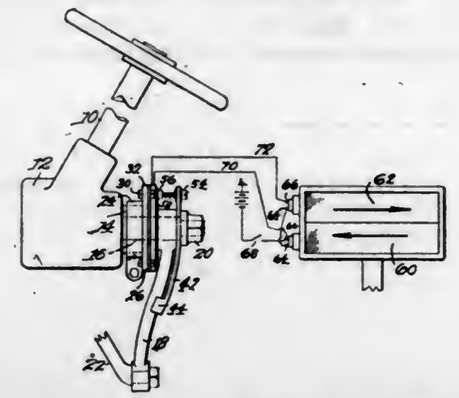
opposite end is fitted within a conical socket provided within the outer end portion of said nut, the latter serving to clamp the collet on to the work, a plurality of anchor blocks each made with a threaded hole and adapted to be removably confined within a separate one of the radial slots of said existing chuck, and screws occupying the apertures of said radial flange and said threaded holes by which screws the flange is rigidly fixed in position against the outer face of the existing chuck.

2,407,933
UPHOLSTERED SPRING CONSTRUCTION
William H. Neely, Cleveland, Ohio, assignor to The Universal Wire Spring Company, Cleveland, Ohio, a corporation of Ohio
Application May 1, 1944, Serial No. 533,621
11 Claims. (Cl. 155—179)



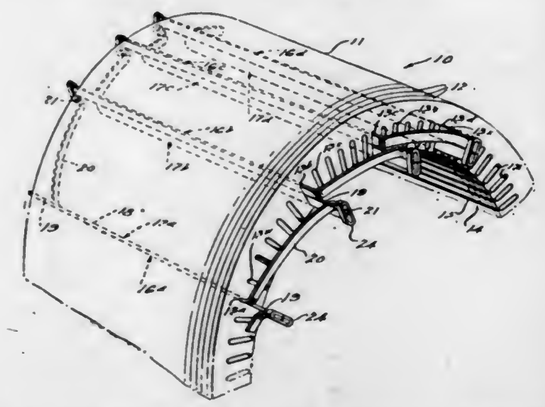
1. An upholstered spring structure embodying a spring construction including corrugated, elongated wire springs arranged side by side so that their corrugations align with each other and form a supporting surface, said corrugations comprising left and right handed loops connected by straight portions rectangularly related to the longitudinal axes of said springs, a pad seated upon the supporting surface and secured thereto between opposite edges thereof, said pad embodying an elongated sleeve member between its opposite ends in rectangular relationship to said axes of said springs and in alignment with certain straight portions thereof, aligning and attachment means within said sleeve member, and means directly connecting the straight portions of said springs with said aligning and attachment means in said sleeve member.

2,407,934
AUTOMATIC DIRECTION INDICATOR
Frederick W. Nilson, Worcester, Mass.
Application October 17, 1942, Serial No. 462,320
1 Claim. (Cl. 200—59)



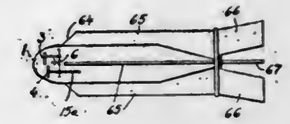
A switch comprising a plate, segmental spaced contacts on the plate, a collar fixed to the plate said collar adapted to be disposed about a relatively fixed part of a vehicle, means to tighten the collar for quick attachability, an arm provided with an aperture intermediate its ends to receive an associated fixed vehicle part for pivotal movement thereon, a sweeping contact arranged adjacent one end of the arm, means yielding urging the sweeping contact into selective engagement with the segmental contacts, means on the arm adapted to engage a movable vehicle part so that the arm is pivoted thereby, said means and arm being detachable.

2,407,935
ELECTRICAL MACHINE
John F. Perfetti, Dearborn, and Harold E. Waldron, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 25, 1944, Serial No. 537,336
11 Claims. (Cl. 171—206)



1. In combination, a core formed of a stack of laminations and having a plurality of openings extending through the stack, a first conductor positioned in a first opening in the stack and having a straight end protruding from one end of the stack and a bent end protruding from the other end of the stack, a second conductor positioned in a second opening of the stack and having a straight end protruding from the said other end of the stack and into proximity with the bent end of the first conductor and a second bent end protruding from the said one end of the stack, and means electrically connecting the bent end of the first conductor and the straight end of the second conductor.

2,407,936
AERIAL DROP BOMB
Helge Fabian Rost, Djursholm, Karl Harry Thunell, Nockeby, Sten Daniel Vigren, Stockholm, and Per Harry Elias Claesson, Jakobsberg, Sweden
Application December 26, 1941, Serial No. 424,496
In Sweden October 8, 1940
10 Claims. (Cl. 250—2)



5. The combination with steering means responsive to electrical impulses to cause deviations of an object moving in space from a predetermined axis in two directions at right angles to each other and to said axis, of a single wave energy responsive element centered on said axis, a scanning device including wave energy collecting means to converge wave energy emitted from a scanning field upon said responsive element, two rotatable screens having overlapping parts disposed in front of said responsive element, means for rotating said screens, each screen being provided with two concentric scanning slots displaced a certain angle relative to each other and being so disposed with respect to said responsive element and said collecting means as to pass, in one angular position of said screens, wave energy from an area on one side of a center plane of the scanning field through one of said concentric slots to said responsive element, and, after each screen has rotated through said certain angle, to pass wave energy from an equal area on the other side of said center plane of the scanning field through the other concentric slot to said responsive element to generate electrical potentials therein, distributing means electrically connected to the responsive element and to the steering means to apply to the latter for steering purposes the positive or negative differentials between two potentials obtained from opposite halves of the scanning field, and means for operating said distributing means synchronously with said rotating screens.

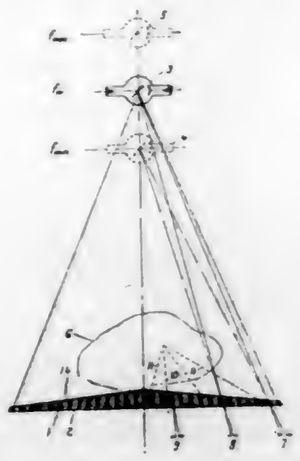
2,407,937
TERPENE DERIVATIVES
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 31, 1941, Serial No. 396,214
14 Claims. (Cl. 260—468)

1. An ester of a carboxylic organic acid and trimethyl butyl hexahydrobenzyl alcohol.

2,407,938
X-RAY SCREENING APPARATUS
Nils Georg Schönander, Stockholm, Sweden
Application November 24, 1943, Serial No. 511,503
In Sweden March 9, 1943
7 Claims. (Cl. 250—62)

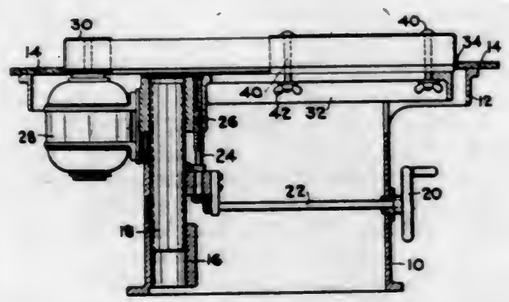
1. An X-ray apparatus comprising an X-ray tube, a screen for reducing secondary X-ray radiation on X-ray fluoroscopic or photographic plates or films and interposed between the object to be X-rayed and the said plate or film, said screen comprising on edge standing leaves of

material substantially impervious to X-rays, said leaves being alternately interspaced with material substantially transparent to X-rays, and means for moving the X-ray tube to vary the distance between the focus of said tube and the said screen, plate or film, in which the leaves are convergently directed towards a point located about half way



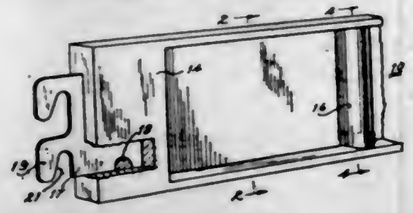
between the extreme positions of said variable focus in which the height of said leaves are lower near the edges of said screen than near the center of the same, in order thus to obtain substantially the same width of shadows and sharpness of picture over the entire surface of said plate or film at varying distances between the said X-ray focus and the said screen, plate or film.

2,407,939
BELT SANDER
Berthold Steinhilber, Worcester, Mass., assignor of two-fifths to George L. Anger, Worcester, Mass.
Application December 19, 1944, Serial No. 568,851
2 Claims. (Cl. 51—135)



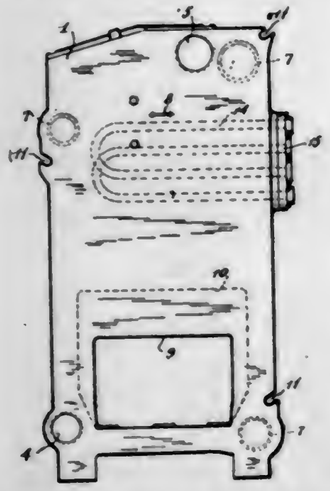
1. A belt sanding machine comprising a base, a fixed table thereon, said table having an aperture therein, a vertically adjustable bed located in the aperture, a depending bracket on the bed, said bracket being located within the base, a depending standard on the bracket, a vertically disposed guideway in the base receiving the standard for vertical movement therein, means to vertically move the bracket and standard, a motor on the bracket for movement therewith, a vertical shaft on the motor extending above the bed, a pulley on the shaft, a sanding belt trained over the pulley, said bed having a plurality of longitudinal slots therein, an elongated block having rounded ends disposed in adjustable relation on the bed, a pair of fasteners in the block for selective disposition through one or more slots to hold the block to the bed selectively parallel or at angles relative to the slots, said sanding belt being trained about the block, said bed, motor, and sanding belt being vertically adjustable relative to the table to provide desired heights of exposed sanding areas.

2,407,940
MANUFACTURED ARTICLE OF FURNITURE
Clinton L. Stevens, Jamestown, N. Y.
Application April 19, 1944, Serial No. 531,728
7 Claims. (Cl. 5—286)



3. In an article of furniture, a support member having solid ends, hook plates having their ends permanently joined to said solid ends, said member, intermediate its ends, being channel-like in cross section, the sides of the channel constituting top and bottom ledges, a plurality of spaced ribs formed integral with said ledges and the connecting web of the channel, each of said ribs, in cross section, being wedge-shaped with the wider part at the web of the channel and the narrow edge terminating substantially flush with the free edges of the top and bottom ledges.

2,407,941
BOILER
Ralph D. Terhune, Ridgewood, N. J., assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 13, 1945, Serial No. 588,082
1 Claim. (Cl. 122—225)



In a sectional heating boiler including a pair of end sections and an intermediate section therebetween arranged to provide a combustion chamber with flue passages leading therefrom between said sections, means interconnecting said sections at one side adjacent the water line and at the other side adjacent the top and the bottom, said end sections having cold water inlets adjacent the bottom at said first named side, and a domestic water heat exchanger disposed within said intermediate section above said combustion chamber and below the waterline, said intermediate section having, at said other side, a top outlet and mounting means for said heat exchanger.

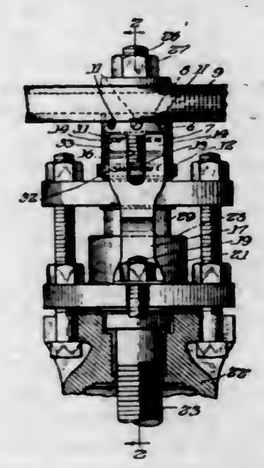
2,407,942
CARBALKOXYLATION OF ORGANIC COMPOUNDS
Vernon H. Wallingford, Ferguson, and August H. Homeyer, St. Louis, Mo., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Application February 20, 1941, Serial No. 379,828
14 Claims. (Cl. 260—476)

1. The method for simultaneously carbalkoxylating and metallating acetophenone, which comprises mixing said compound with an anhydrous alcoholate of an alkali metal and a large excess of a dialkyl carbonate over that required as a reactant.

2,407,943
RESIN MOLDING COMPOSITION
George W. Whitehead, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 8, 1943, Serial No. 482,315
19 Claims. (Cl. 260—73)

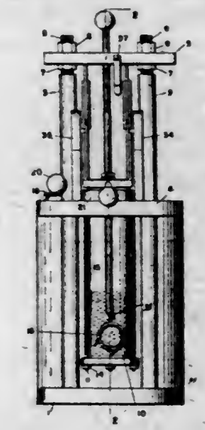
19. A polyvinyl acetal resin pressure molding composition having a decreased tendency to stick to a mold after molding, containing a water-insoluble polyvinyl acetal resin, and normally having a tendency to stick to a mold, to which has been added a sufficient proportion of glycolic acid effective to reduce the tendency to stick to a mold, said polyvinyl acetal resin containing at least 20% acetal on a chemical equivalent basis and the sum of the ester and twice the number of the acetal groups in said polyvinyl acetal resin exceeding the number of the hydroxyl groups.

2,407,944
INDICATOR FOR VALVES
Charles H. Bassett, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application March 17, 1944, Serial No. 526,981
1 Claim. (Cl. 116—125)



An indicator device for a non-rising stem valve or the like having a closure member and an operating stem, stem actuating means therefor provided with a lower depending hub portion, an externally threaded sleeve provided on and fixed to the external portion of the said hub portion of the said stem actuating means, an internally threaded pointer mounted for relative rotation on and axial movement along said threaded sleeve, the said rotation and axial movement being responsive to rotational movement of the said threaded sleeve, a graduated indicator plate coacting with the said pointer to prevent rotational movement of the said pointer but to provide axial movement and for indicating the position of the said closure member at and between its open and closed positions.

2,407,945
APPARATUS FOR TESTING WATERPROOF WATCHCASES
William Ogle Bennett, Jr., Lancaster Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Substitute for abandoned application November 1, 1943, Serial No. 508,538. Divided and this application February 14, 1946, Serial No. 647,566
3 Claims. (Cl. 73—40)



1. An apparatus for testing watch cases comprising a lower base, uprights extending upward from said base, an upper base formed with a central opening and supported by said uprights, an upper guiding plate supported by said uprights and above said upper base, means for varying the distance between said upper base and said upper guiding plate, a sealing plate for said upper base opening, a cylinder closed at one end and depending from said upper base opening, a link mechanism connected to said upper plate and said sealing plate, a handle connected with said link mechanism to swing said sealing plate from open to closed position, a resilient washer around said opening and contacted by said sealing plate, means limiting the motion of the handle to permit the link mechanism to move the sealing plate against and compress said resilient washer, said link mechanism passing beyond the straight line position to firmly lock said sealing plate in sealing position and means controlling the pressure within said cylinder.

2,407,946
COPOLYMERIZATION OF VINYL COMPOUNDS
Edgar C. Britton and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 6, 1944, Serial No. 534,530
14 Claims. (Cl. 260—84)

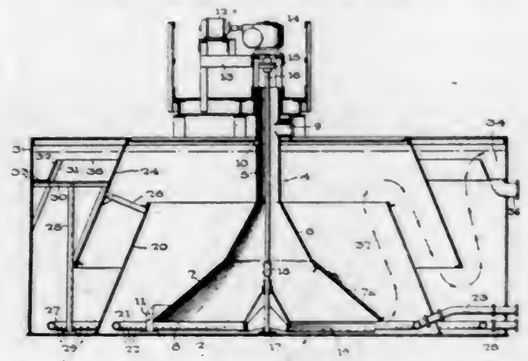
1. In a method wherein different polymerizable

organic compounds, each containing the radical:

$$H_2C{=}C\diagup\!\diagdown$$

are copolymerized, the step of catalyzing the reaction by carrying it out in the presence of a peroxygen compound, a farric salt of an inorganic acid in amount having an iron content corresponding to between about 0.0001 and about 0.05 per cent of the combined weight of the polymerizable organic compounds, and an acid in amount sufficient to give the polymerization mixture a pH value between about 1.5 and about 3, the peroxygen compound, ferric salt and acid each being dispersed within the polymerization mixture.

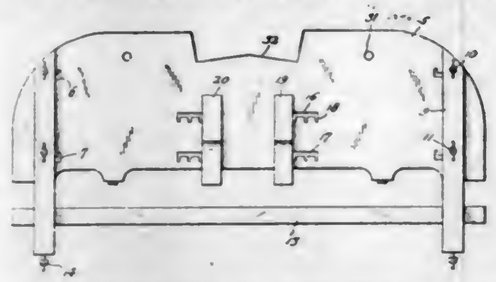
2,407,947
APPARATUS FOR THE CLARIFICATION OF LIQUIDS
Alfred Butcher, Pittsburgh, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1945, Serial No. 600,274
8 Claims. (Cl. 210—16)



1. A liquid clarifier comprising a tank having a bottom and a peripheral wall, a downcomer for the liquid to be treated, disposed substantially centrally of the tank and terminating in a lower edge spaced above the tank bottom, a rotatable vertical shaft mounted centrally of said downcomer, means for rotating said shaft, agitator blades carried by said shaft and adapted to sweep over the tank bottom with a horizontal propelling effect, an annular baffle surrounding the lower portion of the downcomer and adapted to direct upwardly the outflow from beneath said lower edge, an annular liquid withdrawal trough in said tank surrounding said baffle, a perforated annular sludge withdrawal conduit within said baffle adjacent the lower portion thereof toward which said agitator blades sweep precipitated sludge, a second annular baffle disposed between said trough and first baffle, said second baffle extending above and below the upper edge of the first baffle and above the upper edge of said trough and terminating downwardly a distance above the tank bottom, and a perforated annular sludge withdrawal conduit in the tank adjacent the lower portion of said peripheral wall.

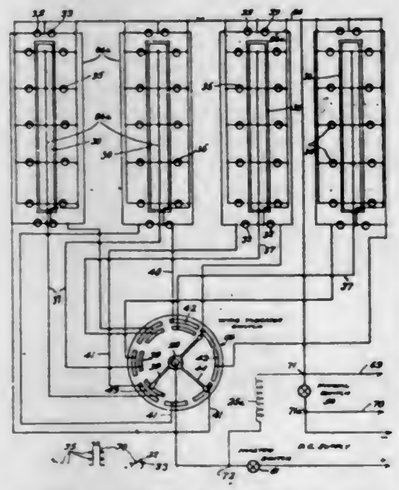
2,407,948
FOOTREST FOR EMBALMING TABLES
William Hobart Cawood, Middlesboro, Ky.
Application July 26, 1944, Serial No. 546,619
1 Claim. (Cl. 311—11)

A foot rest for embalming tables comprising a member disposed transversely of the surface of the table, means for securing the member against movement on the table, said member having horizontal slots therein, and spaced parallel vertical slots communicating with the horizontal slots, foot props positioned against one side of the member and adapted to abut the sides of the feet



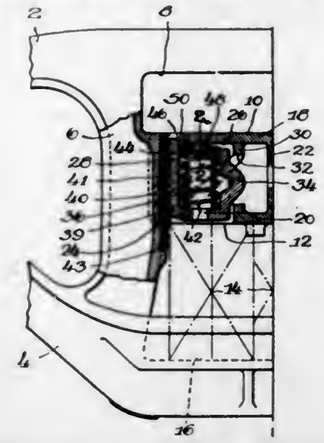
of a body resting on the table, and pins carried by the props and adapted for selective engagement in said vertical slots to secure the props in adjusted position transversely of the table.

2,407,949
RADIO CONTROLLED SIGNAL AND ILLUMINATING SYSTEM FOR AIRWAYS
Alfred A. Corcanges, Greenville, S. C.
Application November 15, 1943, Serial No. 510,386
5 Claims. (Cl. 177—352)



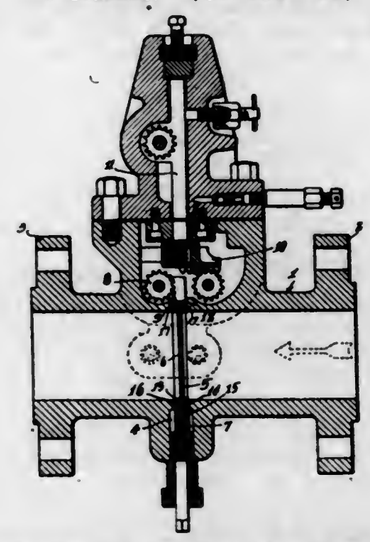
1. In an automatic lighting system for airdromes and airfields having a plurality of landing strips provided with directive head lights at the end of each strip for indicating the desirable and the undesirable direction of landing for the time being, and further provided with illuminating floodlights alongside the landing strips, a radio reception system, for operation by wave signals from a landing aircraft, a relay system, relay contacts associated therewith closed for the duration of the landing operation when the relay system has been operated initially by a signal, a wind indicator, comprising a windstock and an electrically operated windstock freezer, holding the windstock in its position for the duration of the landing operation, means for operating said freezer, a rotational double selector switch with two independently operated sets of contact strips arranged in a circle and two independent contactor arms co-operating with the two sets of contacts, the latter being adapted to be connected with the windstock, permanent connections between each of the contact strips of one contact set of the selector with the illuminating floodlights of one landing strip and permanent connections between one contact strip of the second set with one of the directive lights at each end, and a current supply circuit for the connections made by the contactor arms including the contacts of the relay set closed for the duration of the landing operation.

2,407,950
TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 6, 1945, Serial No. 571,611
13 Claims. (Cl. 105—197)



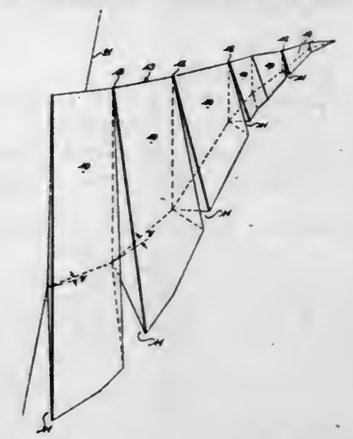
3. In a railway car truck, a side frame comprising spaced columns and an intervening bolster opening, resilient means on said frame in said opening, a bolster supported on said resilient means, spaced wedge surfaces on said bolster at each side thereof, a friction shoe interposed between the wedge surfaces at each side of said bolster and having means bearing on adjacent surfaces, each of said shoes bearing against the adjacent column, and pivotal spring means interposed between each shoe and a wall of said bolster operative to urge said shoe along said wedge surfaces and against the adjacent column.

2,407,951
ORIFICE PLATE CARRIER
Paul P. Daniel, Los Angeles, Calif.
Application October 18, 1943, Serial No. 506,722
2 Claims. (Cl. 138—44)



1. In a device of the class described, the combination of a plate carrier adapted to be positioned in a flow line, an orifice plate carried by the carrier within an opening formed therethrough, and a sealing ring interposed between the carrier and the plate within the said opening, said sealing ring being internally grooved to receive the peripheral edge of the orifice plate and of an external diameter to freely fit the said carrier opening, and the sealing ring being of thickness greater than the thickness of the carrier.

2,407,952
DAM STRUCTURE
Eugenio Diaz del Castillo y Español, Buenos Aires, Argentina
Application May 12, 1943, Serial No. 486,717
In Argentina March 20, 1943
3 Claims. (Cl. 61—30)



1. A dam structure having a broken line axis comprising a plurality of sections substantially in the over-all form of truncated prisms; the horizontal axes of said prisms being oblique to the horizontal projections of the line of maximum slope of the hillsides; the foundation base of each section being declivent, transversally to the section axis, toward upstream; whereby to afford foundation reactions opposite to water pressure, stability against sliding, reduced foundation width, and downstream reduction of height and accordingly diminution of the stresses; said sections being set in angular relationship with each other, defining between them at the reentrant upstream angles of the dam angular open spaces facing downstream, providing for drainage and free contraction; and impervious joints at the upstream contact of these sections.

2,407,953
TACKY RUBBERLIKE COMPOSITIONS AND METHOD OF MAKING THE SAME
Robert R. Dreisbach, Edgar C. Britton, and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 16, 1943, Serial No. 495,028
8 Claims. (Cl. 260—42)

1. A tacky rubber-like composition comprising from 75 to 95 per cent by weight of a non-tacky rubber-like co-polymer and from 5 to 25 per cent of a tacky, cyclohexanone-soluble co-polymer, based on the combined weight of the co-polymers, each of which co-polymers is composed, in chemically combined form, of from 37 to 65 per cent of an aliphatic conjugated diolefine, from 1 to 30 per cent of a 2-aryl-1-alkene, and from 20 to 60 per cent of an unsaturated ketone having the general formula:

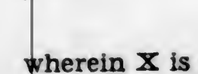
$$R{-}\overset{\displaystyle O}{\overset{\|}{C}}{-}\overset{\displaystyle R'}{\overset{|}{C}}{=}CH_2$$

wherein R represents an alkyl radical and R' represents a member of the group consisting of hydrogen and alkyl radicals, the above-mentioned tacky cyclohexanone-soluble co-polymer being one formed by co-polymerizing the corresponding polymerizable monomeric compounds

while in an aqueous emulsion thereof which is of a pH value below 3 and which contains an iron salt and a peroxide, and the non-tacky rubber-like co-polymer component of the composition being one prepared by co-polymerizing the corresponding polymerizable monomeric compounds under conditions other than those just specified for formation of the tacky co-polymer component.

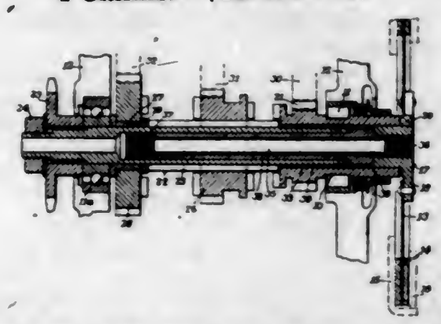
2,407,954
LUBRICATING COMPOSITION
Merrell R. Fenske and George H. Cummings, State College, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 23, 1942, Serial No. 444,262
7 Claims. (Cl. 252—52)

1. A lubricant comprising a lubricating oil and an oil-soluble, polymerized ester of the general formula—



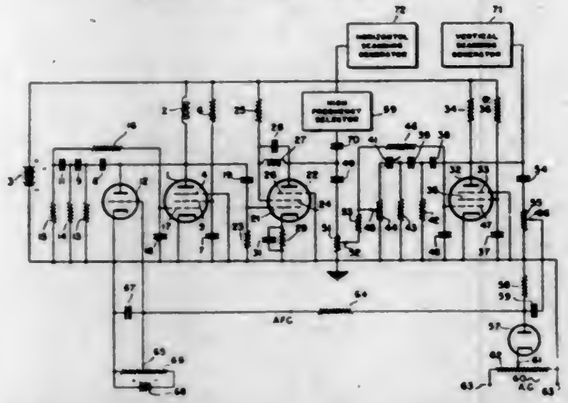
wherein X is a member of the class consisting of hydrogen and the methyl group, and R represents a saturated hydrocarbon group of at least five carbon atoms, said polymerized ester being present in an amount sufficient to improve the lubricating properties of the oil, and a hydrocarbon oil-soluble, alcoholic hydroxyl-containing ester of a polyhydric aliphatic alcohol and a long chain fatty acid in an amount sufficient to reduce substantially the emulsifying tendency of the oil containing said polymerized ester alone.

2,407,955
CONNECTION OF CLUTCHES TO SPEED GEARS
George Frederic Halliday and Albert William Thomas, Kingswood, Bristol, England, assignors to Douglas (Kingswood) Limited
Application November 13, 1944, Serial No. 563,162
In Great Britain September 28, 1943
4 Claims. (Cl. 192—20)



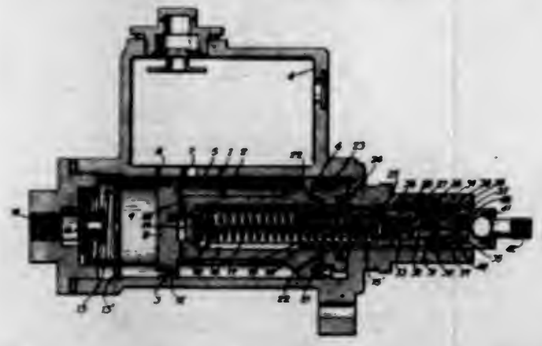
1. In a gear box and clutch unit, including a driven clutch element, a cushion drive device, including a straight torsion bar spring, a tubular member enclosing said torsion bar and rigidly connected thereto at its inner end, a rigid connection between the driven clutch element of the unit and the outer end of the torsion bar, a lost motion connection operating between the outer end of the tubular member and the said driven element of the clutch to limit the angle of twist of the torsion bar, a tubular shaft providing the power output shaft of the said gear box, the tubular member and torsion bar being disposed within the bore of the tubular shaft, and a toothed gear wheel splined to the outer end of the tubular member beyond the tubular output shaft, said gear wheel serving to transmit the drive within the gear box of the unit.

2,407,956
SYNCHRONIZING SIGNAL GENERATOR
Clyde E. Hallmark, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application November 18, 1943, Serial No. 510,759
4 Claims. (Cl. 178—7.2)



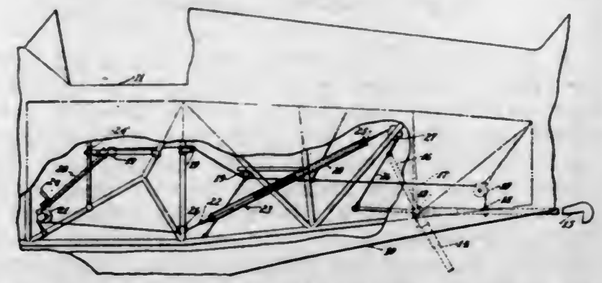
1. In a scanning frequency generator for a television system, means for producing oscillations of a distorted wave form at a submultiple frequency of a low frequency field scanning voltage and containing a plurality of harmonics of said submultiple frequency, means coupled to said oscillation producing means and controlled by a harmonic of said distorted wave form oscillations to produce a deflecting voltage for said television system at field scanning frequency, and means coupled to said oscillation producing means and controlled by another harmonic of said distorted wave form oscillations to produce a deflecting voltage for said television system at line scanning frequency.

2,407,957
COMPOUND HYDRAULIC BRAKE COMPRESSOR AND THE LIKE
Arthur Hull-Ryde, Bayside, N. Y., assignor of one-fourth to Arthur Wilde, Bayside, and one-half to Martin V. Groves, Brooklyn, N. Y.
Application June 25, 1943, Serial No. 492,281
7 Claims. (Cl. 60—54.6)



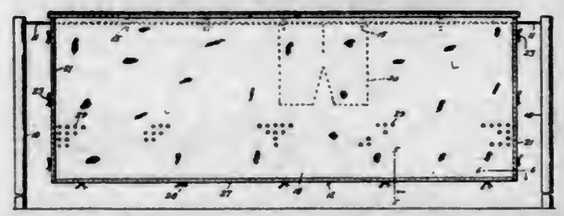
4. A valve structure comprising a pressure chamber having an outlet port, a reciprocable valve member for opening and closing said port, resilient means for yieldably holding said valve member in closed position, a piston for driving said valve member to open position against said resilient means, a cylinder within which said piston is disposed and providing therewith a closed cylinder chamber on one side of said piston for actuation of said piston, said cylinder on the opposite side of said piston being provided with a relief port, said piston and valve being provided with a passage in communication with said pressure chamber and said cylinder chamber, and valve means in said passage providing when closed a continuously open restricted fluid passage therethrough into said cylinder chamber and providing when open relatively free passage therethrough from said cylinder chamber into said pressure chamber.

2,407,958
SNUBBER
Norman L. Kearney, Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application March 28, 1936, Serial No. 71,514
5 Claims. (Cl. 244—110)



1. A tension hold-down device for an aircraft arresting hook including a cable circuit for raising and lowering said hook, comprising a cylinder and a piston having a rod engaged for sliding therein, said cylinder and piston rod respectively being attached in series in said cable, said piston and cylinder together forming a dashpot, and a tension coil spring embracing said cylinder and attached at its ends to said cylinder and said rod respectively.

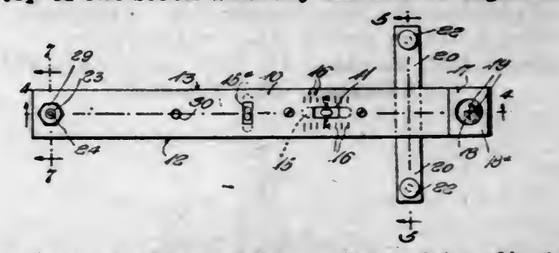
2,407,959
CLOTHESLINE COVER
Lillie Mae Littlejohn, North Birmingham, Ala.
Application July 14, 1945, Serial No. 605,080
4 Claims. (Cl. 211—119.18)



3. In a device of the character described adapted for use with clotheslines, a covering including a top, sides, ends and a bottom, means secured to said top for supporting said covering from a clothesline, said means spacing the top above said line, and comprising clothes pins adapted to engage said line, said bottom and ends being split, means for securing said split portions together, and means forming apertures in said sides and ends to permit circulation of air within said covering.

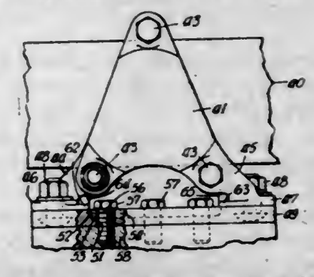
2,407,960
TRANSIT LEVEL
Anthony Mariotti, Lorain, Ohio
Application January 5, 1944, Serial No. 517,094
1 Claim. (Cl. 88—2.3)

A transit level comprising a stock having an upwardly angularly disposed end and carrying a mirror on the upper side thereof, an adjustable sighting point on the stock at the end thereof opposite the mirror and angularly disposed with respect to said stock, whereby said sighting point is reflected in said mirror, a spirit level exposed through the top of the stock, a second sighting point arranged on said mirror, said first and second sighting points being the same distance above the top of the stock whereby the line of sight will



be horizontal when said transit level is adjusted to a position in which the spirit level bubble is centered.

2,407,961
ROTATABLE BUS SUPPORT CLAMP
Irving Frederick Matthysse, New York, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application October 24, 1942, Serial No. 463,178
2 Claims. (Cl. 174—169)

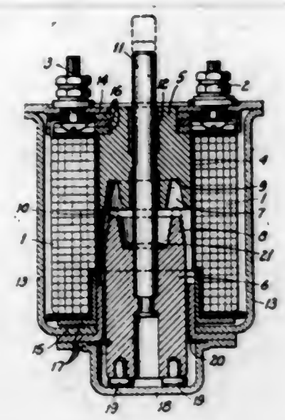


1. A clamp for supporting a bus bar on an insulator cap, comprising a base member having means for detachably mounting said base member to the insulator cap; a plurality of clamping members having pressure applying surfaces for gripping a bus bar; bolt means positioned on each side of the pressure applying surfaces for applying pressure uniformly to the surface of the bus bar and for locking the bus bar therebetween; means for rotating said clamping members with respect to said base member; said clamping members and base member being provided with male and female portions having relatively smooth contacting surfaces to permit rotation one on the other for facilitating the rotating movement there between and bolt means extending through the male and female portions for locking the two together in any angular position.

2,407,962
MOLDING CELLULOSE ESTER COMPOSITIONS
Howard K. Nason, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 24, 1944, Serial No. 527,959
8 Claims. (Cl. 18—55)

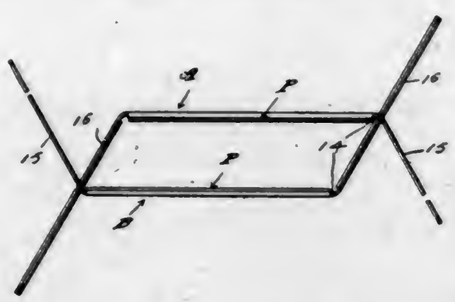
1. In a process of molding thick masses of cellulose ester plastic compositions wherein the plastic is heated above about 150° F., the steps which comprise placing the plastic material in a mold, the temperature of both the plastic and the mold being not over about 150° F., raising the temperature of all portions of the plastic above 150° F., by raising the temperature of the mold, the rate of increase of the mold temperature being such that a temperature gradient of not over about 30° F. is produced within the plastic mass before the temperature of any portion of the plastic goes above about 150° F. and a temperature gradient of not over about 30° F. is thereafter maintained within the plastic.

2,407,963
SOLENOID
Lawrence M. Persons, Ladue, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application January 11, 1943, Serial No. 471,919
5 Claims. (Cl. 175—341)



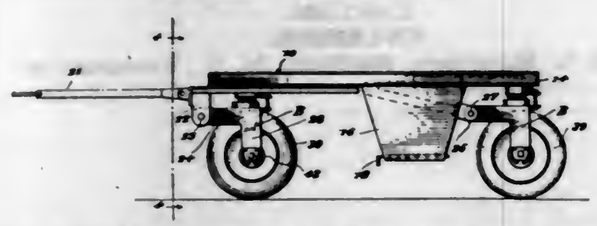
1. An electro-magnet comprising, an annular coil, a stationary yoke of magnetic material including a part extending exteriorly about the coil to provide a continuous external flux path and a part extending centrally of the coil to provide part only of an interior flux path, said central part terminating in a doubly tapered face, and an axially movable core piece disposed centrally of the coil to complete the interior flux path, said core piece having its side surfaces parallel with its axis and terminating in a doubly tapered face, the doubly tapered faces on said parts being of a size and shape complemental to each other and arranged to internest upon energization of the electro-magnet whereby the pull of said electro-magnet throughout the operative stroke of the movable core piece is substantially uniform.

2,407,964
WALLET OR PURSE
Norman W. Post, Philadelphia, Pa.
Application January 2, 1945, Serial No. 571,070
2 Claims. (Cl. 150—38)



1. A wallet of the character described, comprising two flat bodies each having a pocket with a mouth opening, on one side of the body, the bodies being designed to be placed together when in use with the pocket mouths upon the opposing sides of the bodies, a relatively long flap extending from one end of each body and having a slot cut therethrough adjacent to its attached end, a tongue extending from the other end of each body and adapted to extend through the slot of the flap of the other body, and means for connecting together the tongue and flap of each body across the back of the other body.

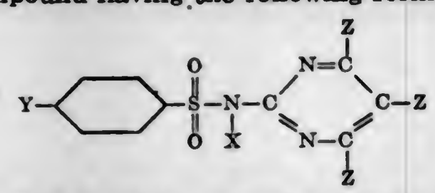
2,407,965
ROLLER
Luther B. Smith, Camp Hill, Pa., assignor to L. B. Smith, Incorporated, Camp Hill, Pa., a corporation of Pennsylvania
Application May 4, 1943, Serial No. 485,636
5 Claims. (Cl. 94—50)



1. A roller of the character described, comprising a weighted body and a forward and a rear series of supporting units therefor, each series comprising a plurality of angled brackets, each having a substantially horizontally disposed leg in close proximity to said body and a substantially vertical, downwardly extending leg having a forked lower end, a horizontal pivotal coupling between the first leg of each bracket and the body, a ground engaging wheel rotatably carried within said forked lower end of the downwardly extending leg and underlying a part of said horizontally disposed leg, and a short compression spring interposed between said part of each of the first legs and the body.

2,407,966
DIAZINE COMPOUNDS
James M. Sprague, Drexel Hill, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application October 14, 1940, Serial No. 361,106
6 Claims. (Cl. 260—239.6)

1. A p-substituted benzene sulfonamido pyrimidine compound having the following formula:

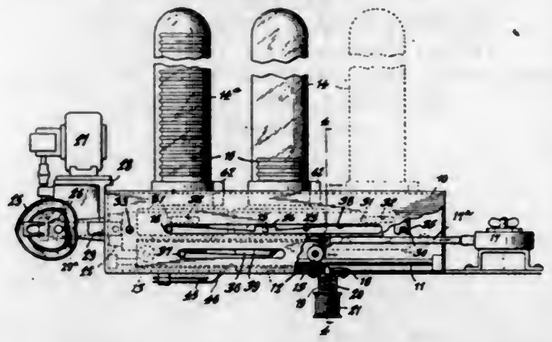


in which X is a positive radical and Y is a radical of the group consisting of NH_2 and radicals hydrolyzable to NH_2, the Z radicals being taken from the group consisting of lower alkyl hydrocarbon radicals and H, at least one Z radical being a lower alkyl hydrocarbon radical, prepared as a therapeutic agent and being effective against pneumococcal and streptococcal infections.

2,407,967
SURFACE COATED PROPELLENT EXPLOSIVE POWDERS
Thomas Thomson, Kilmarnock, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 15, 1943, Serial No. 494,833. In Great Britain August 19, 1942
6 Claims. (Cl. 52—20)

1. A process for the treatment of single base smokeless powders which comprises tumbling the base grain powder with an alcoholic solution of a solid deterrent which has good solubility in alcohol and which has weak gelatinizing power selected from the group consisting of pentaerythritol tetra-acetate and phthalide.

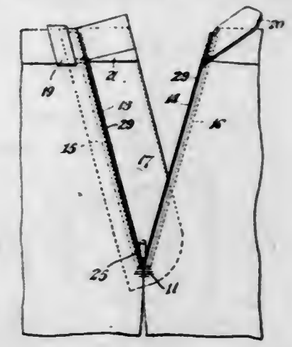
2,407,968
CUP DISPENSING MECHANISM
Walter Von Stoeser, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application September 17, 1943, Serial No. 502,771
12 Claims. (Cl. 312—44)



3. An apparatus of the character described, comprising a frame, a carriage guided on said frame and having a plurality of cup-dispensing magazines mounted thereon and adapted for movement to bring such magazines from and to a cup-dispensing position, each of said magazines having an actuating trigger therefor, means common to and releasably engageable at predetermined times with the magazine-triggers for actuating them to dispense cups, and means on said carriage and frame for governing the displacement of the trigger-actuating means to a released position from one of the magazine-triggers and into coupling engagement with the trigger of another magazine when the carriage is moved to bring the first magazine out of and the next magazine into cup-dispensing position when said first magazine is empty of cups.

2,407,969
GARMENT FASTENING DEVICE
Emanuel Di Ianni, Norristown, Pa.
Application November 17, 1944, Serial No. 563,869
1 Claim. (Cl. 2—234)

A garment fastening device for the upper edge of a garment whereby smoothness and freedom from wrinkles are substantally attained, comprising the combination of a nether garment having an elongated substantially vertical opening and an attached belt forming the upper edge of said garment, said belt being peripherally effectively of greater extent than such garment and terminating at each end in free tabs arranged for overlapping relation in closing said opening, said opening being delineated in part at least by flexible flaps formed of the material of the garment each extending vertically from the lower end of the opening across the belt line to termination vertically close to the lower edge of said belt peripherally spaced from the tab ends, two slide fastener parts including stringers seamed respectively inwardly of and behind the respective flaps and of a length such as to extend from the bottom of said opening upwardly across

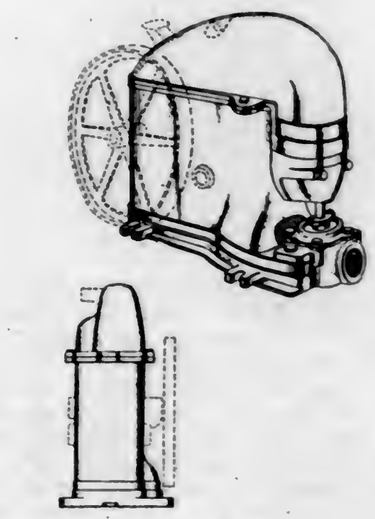


the upper terminations of the respective flaps to termination vertically below the upper edge of said belt and peripherally spaced from the respective tab ends, a locking slide for said parts arranged when in locked relation to be disposed vertically between the upper terminations of the flaps and the upper edge of the belt and transversely between the overlapping tabs, said belt and slide fastener parts so arranged that when the latter are locked the tabs conceal the locking element and adjacent portions of the slide fastener parts above the lower edge of the belt while the flaps conceal the slide fastener parts from a point just inside of the lower edge of the belt to the bottom of the opening, while the entire tensile strain of the belt is taken by said locked slide fasteners in the peripheral line of the belt.

DESIGNS

SEPTEMBER 17, 1946

145,595
DESIGN FOR A DEEP WELL PUMP HEAD
Elmer M. Deters, Davenport, Iowa, assignor to Red Jacket Manufacturing Co., Davenport, Iowa, a corporation of Iowa
Application July 11, 1945, Serial No. 120,640
Term of patent 14 years
(Cl. D65—1)



The ornamental design for a deep well pump head, substantially as shown and described.

145,596
DESIGN FOR A CHILD'S COAT
Ethel Fischer, New York, N. Y.
Application May 20, 1946, Serial No. 129,858
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a child's coat, substantially as shown.

145,597
DESIGN FOR A COAT
Mario Frascino, New York, N. Y.
Application May 20, 1946, Serial No. 129,861
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

145,598
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y.
Application May 29, 1946, Serial No. 130,215
Term of patent 3½ years
(Cl. D3—4)



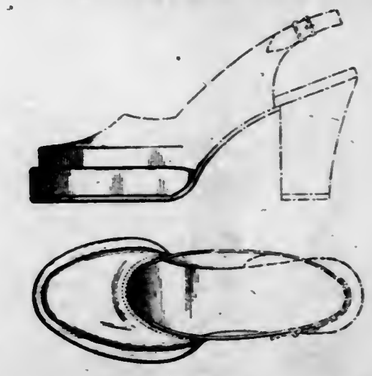
The ornamental design for a coat, substantially as shown.

145,599
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y.
Application May 29, 1946, Serial No. 130,216
Term of patent 3½ years
(Cl. D3—4)



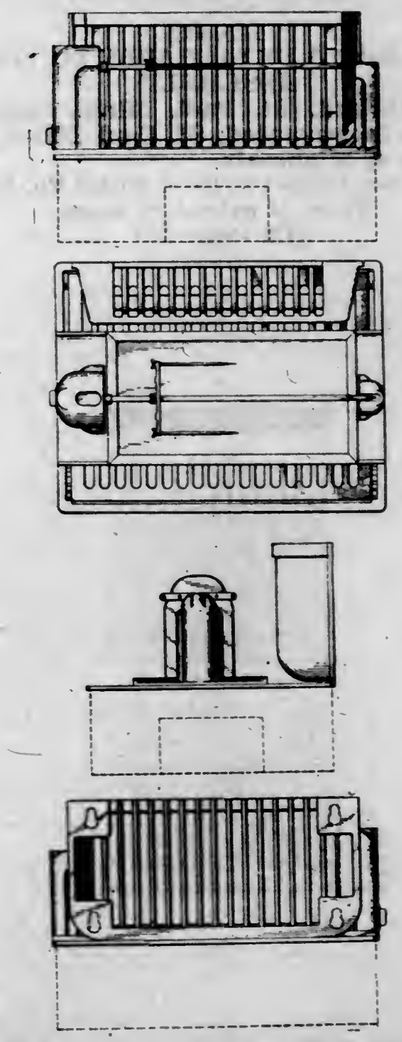
The ornamental design for a coat, substantially as shown.

145,600
DESIGN FOR A SHOE
Samuel Huberman, New York, N. Y.
Application June 5, 1946, Serial No. 130,419
Term of patent 7 years
(Cl. D7—7)



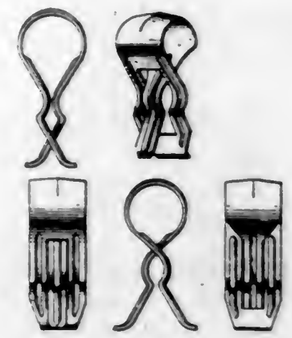
The ornamental design for a shoe, substantially as shown and described.

145,601
DESIGN FOR A ROTATABLE SPIT BARBECUE
Lewis C. Hufford and Landon R. Gray, Redondo Beach, Calif.
Application November 27, 1944, Serial No. 116,571
Term of patent 3½ years
(Cl. D81—10)



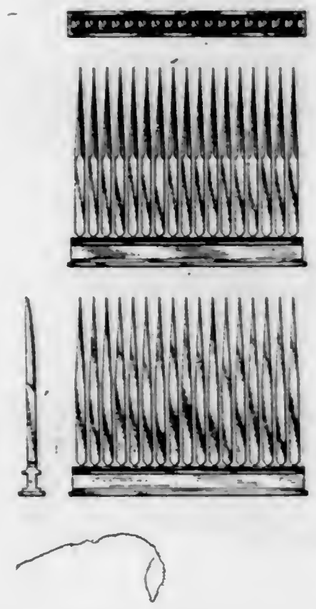
The ornamental design for a rotatable spit barbecue, substantially as shown and described.

145,602
DESIGN FOR A CLOTHESPIN
Alfred M. Jacobson, Denver, Colo.
Application March 18, 1946, Serial No. 127,626
Term of patent 3½ years
(Cl. D17—6)



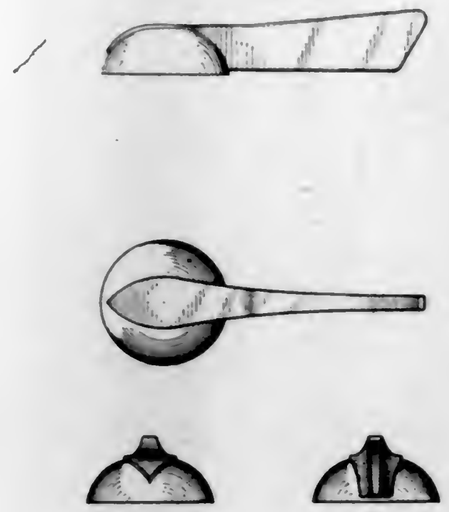
The ornamental design for a clothespin, substantially as shown.

145,603
DESIGN FOR A DETACHABLE TOOTHPICK ASSEMBLY
Glen E. Millard, St. Paul, Minn., assignor to Lactona Incorporated, St. Paul, Minn., a corporation of Minnesota
Application August 3, 1945, Serial No. 121,193
Term of patent 14 years
(Cl. D86—10)



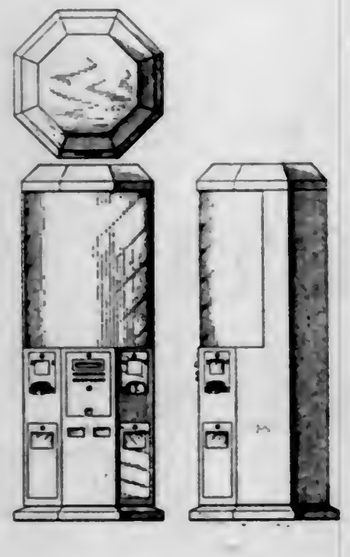
The ornamental design for a detachable toothpick assembly, as shown.

145,604
DESIGN FOR A HANDLE FOR A VALVE OR THE LIKE
Martin J. Rausch, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 9, 1944, Serial No. 115,243
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a handle for a valve or the like, as shown.

145,605
DESIGN FOR A VENDING MACHINE
Olga V. Wells, Alhambra, Calif.
Application December 22, 1945, Serial No. 125,016
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a vending machine, as shown and described.

145,606
DESIGN FOR A DRAWER HANDLE OR SIMILAR ARTICLE
James White, Corbridge, England
Application July 27, 1945, Serial No. 121,019
Term of patent 3½ years
(Cl. D10—8)



The ornamental design for a drawer handle or similar article, as shown.

145,607
DESIGN FOR A FAUCET HANDLE OR THE LIKE
Roy H. Zinkil, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application September 24, 1945, Serial No. 122,268
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a faucet handle or the like, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. B. & W. Transit Company: *See*—
Alexandria, Barcroft & Washington Transit Company.

Agency Paper Company, New York, N. Y. Air mail paper, air mail envelopes, printing paper, etc. Serial No. 493,939; Sept. 17. Class 37.

Alexandria, Barcroft & Washington Transit Company, doing business as A. B. & W. Transit Company, Alexandria, Va. Periodical. Serial No. 499,187; Sept. 17. Class 38.

Aluminum Products Co., San Francisco, Calif. Window ventilators. Serial No. 500,721; Sept. 17. Class 34.

Art Wire and Stamping Co., Newark, N. J. Artificial fish bait. Serial No. 490,053; Sept. 17. Class 22.

Bemis Bro. Bag Company, St. Louis, Mo. Tubing made of jute, cotton and/or paper fabric. Serial No. 490,993; Sept. 17. Class 42.

Bendix Aviation Corporation, Teterboro, N. J. Engine starting mechanisms. Serial No. 464,642; Sept. 17. Class 23.

Blanke-Baer Extract & Preserving Co., St. Louis, Mo. Jam, marmalade, fruit butters, etc. Serial No. 491,541; Sept. 17. Class 46.

Bloomingdale Bros., Inc., New York, N. Y. Cough syrup. Serial No. 494,208; Sept. 17. Class 6.

Blossom Acres Ranch: *See*—
Meyer, Horace J.

Bol, Ltd., New York, N. Y. Cosmetics. Serial No. 489,648; Sept. 17. Class 6.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Strophanthus tincture, bismuth subsalicylate with chlorobutanol in oil, etc. Serial No. 496,948; Sept. 17. Class 6.

Canton Trading Co.: *See*—
De Haro, Francis L.

Celanese Corporation of America, New York, N. Y. Airplane and aircraft dopes, lacquers, automobile and furniture polishes, etc. Serial No. 495,862; Sept. 17. Class 16.

Centennial Flouring Mills Company, Seattle, Wash. Breakfast cereals. Serial No. 496,500; Sept. 17. Class 46.

Cohn, Julian S., New York, N. Y. Handkerchiefs. Serial No. 478,947; Sept. 17. Class 39.

Congoleum-Nairn, Inc., Kearny, N. J. Enamel surface felt base rugs and floor covering. Serial No. 498,503; Sept. 17. Class 20.

Consolidated Cosmetics, Chicago, Ill. Scissors. Serial No. 494,658; Sept. 17. Class 23.

Cornelius Products Company, New York, N. Y. Synthetic wax. Serial No. 497,373; Sept. 17. Class 1.

Coryer, Albert E., Prairie du Chien, Wis. Liniment. Serial No. 498,209; Sept. 17. Class 6.

Cowles Magazines, Inc., Des Moines, Iowa. Section of a regularly issued magazine. Serial No. 498,402; Sept. 17. Class 38.

Cryns Products, Inc., Chicago, Ill. Cake liner in grease form. Serial No. 496,204; Sept. 17. Class 46.

Cryns Products, Inc., Chicago, Ill. Food for yeast. Serial No. 496,206; Sept. 17. Class 46.

Cryns Products, Inc., Chicago, Ill. Rye yeast. Serial No. 496,208; Sept. 17. Class 46.

Daisy Manufacturing Company, Plymouth, Mich. Toy guns and toy pistols. Serial No. 496,015; Sept. 17. Class 22.

Daumit, Kay, assignor to Kay Daumit, Inc., Chicago, Ill. Cologne. Serial No. 492,688; Sept. 17. Class 6.

Daumit, Kay, Inc.: *See*—
Daumit, Kay.

Davis Clothing Company, Boston, Mass. Military uniforms, industrial uniforms, and uniforms for persons engaged in professions. Serial No. 476,241; Sept. 17. Class 39.

Davisville Hosiery Mill, Davisville, Pa. Hosiery. Serial No. 483,217; Sept. 17. Class 39.

Deacon Products, Inc., Moline, Ill. Electrically heated cooking units. Serial No. 493,258; Sept. 17. Class 21.

De Haro, Francis L., doing business as Canton Trading Co., New York, N. Y. Radio and television sets and parts thereof, transmitting and/or receiving antenna, etc. Serial No. 497,073; Sept. 17. Class 21.

Delaney, Harold J., Providence, R. I. Magazine. Serial No. 499,123; Sept. 17. Class 38.

Delta Brush Manufacturing Corporation, New York, N. Y. Artists' water colors. Serial No. 492,765; Sept. 17. Class 16.

Donaline Publishing Company, Incorporated, The, Columbia, S. C. Periodical publications. Serial No. 498,509; Sept. 17. Class 38.

Duramold Aircraft Corporation, New York, N. Y. Aircraft fuel tanks. Serial No. 490,178; Sept. 17. Class 2.

Du Pont, E. I., de Nemours, and Company, Wilmington, Del. Chemical compound. Serial No. 497,234; Sept. 17. Class 6.

Elco Lamp & Shade Studio, New York, N. Y. Lamp shades. Serial Nos. 501,838–9; Sept. 17. Class 34.

Elmo Sales Corporation, Philadelphia, Pa. Perfume, cologne, dusting powder, etc. Serial No. 492,619; Sept. 17. Class 6.

Ervana Co.: *See*—
Klein, Hannah.

Etivista Winery & Vineyards, Cucamonga and Etiwanda, Calif. Wines. Serial No. 490,062; Sept. 17. Class 47.

Evans, Emanuel E., Youngstown, Ohio. Toy banks. Serial No. 492,432; Sept. 17. Class 22.

Fingerhut, A. E., doing business as Sinesac Company, Cleveland, Ohio. Sweetening compound. Serial No. 494,743; Sept. 17. Class 46.

Flashlight Company of America, Jersey City, N. J. Pyrophoric cigarette and cigar lighters. Serial No. 502,065; Sept. 17. Class 34.

Fleischer, Robert, Company, New York, N. Y. Bracelets, brooches, earrings, etc. Serial No. 498,411; Sept. 17. Class 28.

Formax Company: *See*—
Murano, Carl G.

Friedman, Abe A., Augusta, Ga. Diamonds, diamond rings, stone rings, etc. Serial No. 485,405; Sept. 17. Class 28.

General Fibre Products Co., Maspeth, N. Y. Plates, circles, and boards made of cardboard. Serial No. 493,116; Sept. 17. Class 37.

Granat Bros., Inc., San Francisco, Calif. Finger rings. Serial No. 483,615; Sept. 17. Class 28.

Green, H. L., Company, Inc., New York, N. Y. Radio receiving sets. Serial No. 498,137; Sept. 17. Class 21.

H. & S. Originals, New York, N. Y. Simulated pearls. Serial No. 489,666; Sept. 17. Class 28.

Haft, Morris W., & Brothers Inc., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. Serial No. 488,034; Sept. 17. Class 39.

Harte, Ralph S., San Francisco, Calif. Thin transparent or translucent sheets or films of polyvinyl chloride resin. Serial No. 490,826; Sept. 17. Class 42.

Hi-Line Co., Inc., New York, N. Y. Infants', children's, boys', girls', misses', and women's apparel. Serial Nos. 497,795–6; Sept. 17. Class 39.

Hillyard Chemical Company, St. Joseph, Mo. Liquid wood floor preservative. Serial No. 472,059; Sept. 17. Class 16.

Hinde & Dauch Paper Company, The, Sandusky, Ohio. Laminated paper wrapping material. Serial No. 495,473; Sept. 17. Class 37.

Hollywood Doll Manufacturing Company: *See*—
Ippolito, Domenick.

Holophane Company, Inc., New York, N. Y. Glass, plastic, and combinations of metal and glass and/or plastic refractors and reflectors. Serial No. 500,881; Sept. 17. Class 34.

Honig, Jack L., Inc., New York, N. Y. Children's and misses' dresses. Serial No. 498,632; Sept. 17. Class 39.

Infilco Incorporated, Chicago, Ill. Filtering apparatus. Serial No. 494,685; Sept. 17. Class 31.

Ingber & Company, Philadelphia, Pa. Ladies' handbags. Serial No. 492,200; Sept. 17. Class 3.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. Serial No. 504,838; Sept. 17. Class 22.

Jewel Paint and Varnish Co., Chicago, Ill. Ready-mixed paints, enamels and varnishes. Serial No. 495,031; Sept. 17. Class 16.

Jolo Merchandise Company Inc., New York, N. Y. Waterproof capes, aprons, raincaps, etc. Serial No. 479,799; Sept. 17. Class 39.

Klein, Hannah, doing business as Ervana Co., Brooklyn, N. Y. Beauty preparations. Serial No. 492,270; Sept. 17. Class 6.

Knitting Works Zimmerli & Company, Aarburg, Switzerland. Knitted wear. Serial No. 490,193; Sept. 17. Class 39.

Kraft Foods Company, Chicago, Ill. Dried whey. Serial No. 499,632; Sept. 17. Class 46.

Kraft Foods Company, Chicago, Ill. Stabilizing material for use in soups, etc. Serial No. 499,638; Sept. 17. Class 46.

Lehman Bros. Corp., Jersey City, N. J. Floor, porch, and deck paint enamels. Serial No. 494,221; Sept. 17. Class 16.

Lehman Bros. Corp., Jersey City, N. J. Ready-mixed paints. Serial No. 494,222; Sept. 17. Class 16.

Levitan, Louis, Co. Inc., Long Island City, N. Y. Electric lighting fixtures, and electric lamps. Serial No. 486,997; Sept. 17. Class 21.

Lewis, J. B., & Sons Limited, Nottingham, England. Piece goods made of cotton, natural silk, wool, etc. Serial No. 488,109; Sept. 17. Class 42.

Loeb & Hoch, Inc., New York, N. Y. Ladies', misses', and junior misses' coats and suits. Serial No. 500,097; Sept. 17. Class 39.

Magic Nut Shop, The, Los Angeles, Calif. Macaroni shells. Serial No. 492,636; Sept. 17. Class 46.

Malecki, Michael, doing business as Michael Malecki Co., Brooklyn, N. Y. Razor blade holders. Serial No. 497,392; Sept. 17. Class 23.
Malecki, Michael, Co.: *See*—
Malecki, Michael.
Marvel Products, Inc., New York, N. Y. Mucilage and adhesive paste. Serial No. 493,793; Sept. 17. Class 5.
Master Builders Company, The, Cleveland, Ohio. Composition including a water soluble plasticizing agent. Serial No. 500,551; Sept. 17. Class 12.
Master Industries, Inc., New York, N. Y. Ice cream freezer. Serial No. 503,305; Sept. 17. Class 31.
Mavest Inc., New York, N. Y. Women's and men's suits, coats, and pants. Serial No. 489,523; Sept. 17. Class 39.
Merriam and Company, Washington, D. C. Germicides. Serial No. 497,186; Sept. 17. Class 6.
Meyer, Horace J., doing business as Blossom Acres Ranch, Paso Robles, Calif. Nut candies. Serial No. 498,434; Sept. 17. Class 46.
Murano, Carl G., doing business as Formax Company, New Haven, Conn. Medicated soap. Serial No. 495,252; Sept. 17. Class 4.
Mutchler, E. J., Sinton, Tex. Fresh vegetables. Serial No. 492,849; Sept. 17. Class 46.
Na-Mac Products Corporation, Hollywood, Calif. Rotary hand food mixers. Serial No. 495,147; Sept. 17. Class 23.
Nash & Kinsella Laboratories, Inc., St. Louis, Mo. Insecticides. Serial No. 502,228; Sept. 17. Class 6.
National Pencil Company, Shelbyville, Tenn. Woodcased lead pencils. Serial No. 493,450; Sept. 17. Class 37.
National Pencil Company, Shelbyville, Tenn. Pencils, leads, erasers, etc. Serial Nos. 494,352–3; Sept. 17. Class 37.
New England Trawler Equipment Co., Chelsea, Mass. Marine and deep sea fishing equipment. Serial No. 494,457; Sept. 17. Class 19.
New Process Service Company, San Francisco, Calif. Chemical solvent preparation. Serial No. 489,603; Sept. 17. Class 6.
New Rexbilt Leather Goods Corporation, New York, N. Y. Leather goods. Serial Nos. 501,192–3; Sept. 17. Class 3.
Norman Products Company, Columbus, Ohio. Gas conversion burner. Serial No. 502,994; Sept. 17. Class 34.
Ohio Brewery, Inc., Columbus, Ohio. Bottle beer. Serial No. 482,637; Sept. 17. Class 48.
Pantex Manufacturing Corporation, Pawtucket, R. I. Commercial laundry and dry cleaning equipment. Serial No. 497,124; Sept. 17. Class 24.
Pantex Manufacturing Corporation, Pawtucket, R. I. Commercial laundry and dry cleaning equipment. Serial No. 497,405; Sept. 17. Class 24.
Parfums Schiaparelli, Inc., New York, N. Y. Perfumes, colognes, toilet waters, etc. Serial No. 497,327; Sept. 17. Class 6.
Parfums Schiaparelli, Inc., New York, N. Y. Perfumes, colognes, toilet waters, etc. Serial No. 502,152; Sept. 17. Class 6.
Pfuhl, Charles H., Ramsey, N. J. Girls' and women's dresses, and combination blouse-slips, etc. Serial No. 496,566; Sept. 17. Class 39.
Plasticform Co.: *See*—
Sawicki, Sophie C.
Professional Pharmacal Co., San Antonio, Tex. Preparation for the treatment of whooping-cough, etc. Serial No. 485,599; Sept. 17. Class 6.
Rayon Processing Co. of R. I. Inc., Central Falls, R. I., and elsewhere. Finely cut or comminuted metals. Serial No. 492,663; Sept. 17. Class 1.
Reiss-Premier Corporation, The, West New York, N. J. Smokers' pipes, cigar and cigarette holders. Serial No. 493,401; Sept. 17. Class 8.
Rite-Rite Mfg. Co., Downers Grove, Ill. Mechanical pencils. Serial No. 497,413; Sept. 17. Class 37.
San Antonio Portland Cement Co., San Antonio, Tex. Portland cement. Serial No. 500,703; Sept. 17. Class 12.
Sani-Mode Mfg. Co., assignor to Sani-Mode Mfg. Co., Chicago, Ill. Window drapes, bed spreads, mattress covers, etc. Serial No. 485,798; Sept. 17. Class 42.
Sawicki, Sophie C., doing business as Plasticform Co., Brooklyn, N. Y. Doll carriages. Serial No. 504,214; Sept. 17. Class 22.
Scalamandré, Franco, doing business as Scalamandré Silks, New York, N. Y. Textile fabrics in the piece. Serial No. 494,980; Sept. 17. Class 42.
Scalamandré Silks: *See*—
Scalamandré, Franco.
Scientific Anglers, Inc., Midland, Mich. Fishing rod cases. Serial No. 499,080; Sept. 17. Class 22.
Scripto Manufacturing Company, Atlanta, Ga. Mechanical pencils, pencil leads, and erasers. Serial No. 497,274; Sept. 17. Class 37.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Lozenge or troche. Serial No. 498,865; Sept. 17. Class 6.
Sinesac Company: *See*—
Fingerhut, A. E.
Sleepwear, Inc., New York, N. Y. Pajamas and nightshirts. Serial No. 499,439; Sept. 17. Class 39.
Smith, A. O., Corporation, Milwaukee, Wis. Automatic stokers and parts thereof. Serial No. 503,014; Sept. 17. Class 34.
Société à Responsabilité Limité: Carven, Paris, France. Perfumes. Serial Nos. 495,416–18; Sept. 17. Class 6.
Somersville Mf'g. Company, Somersville, Conn. Wool piece goods. Serial No. 491,520; Sept. 17. Class 42.
State Electric Supply, Oakland, Calif. Electrical wiring devices and supplies and electrical equipment and apparatus, etc. Serial No. 476,444; Sept. 17. Class 21.
Stedfast Rubber Co., Inc., Mattapan, Mass. Rubberized hospital sheeting. Serial No. 502,166; Sept. 17. Class 44.
Stevenson's Moygashel Linens, Ltd., New York, N. Y. Linen piece goods. Serial No. 496,051; Sept. 17. Class 42.
Stiassney, Geza, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 492,109; Sept. 17. Class 6.
Stifel, J. L., & Sons, Inc., Wheeling, W. Va. Draperies and curtains. Serial No. 487,578; Sept. 17. Class 42.
Stoltz, Arnold, New York, N. Y. Tooth paste, tooth powder, and tooth cleanser. Serial No. 495,558; Sept. 17. Class 6.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Cellulose ethers. Serial No. 497,277; Sept. 17. Class 6.
Syndicat des Fabricants de Soieries et Tissus de Lyon, Lyon, France. Piece goods composed wholly or in part of wool, hair, silk, etc. Serial No. 493,846; Sept. 17. Class 42.
Tamro Products, New York, N. Y. Men's and boys' underwear and shorts. Serial No. 499,023; Sept. 17. Class 39.
Technifinish Laboratory, Inc., Rochester, N. Y. Photographic prints. Serial Nos. 495,843–4; Sept. 17. Class 38.
Technifinish Laboratory, Inc., Rochester, N. Y. Photographic prints. Serial Nos. 497,634–7; Sept. 17. Class 38.
Three Ribbons Packing Company, Mountain View, Calif. Canned spaghetti, canned dinner of egg noodles, chicken broth, etc. Serial No. 495,422; Sept. 17. Class 46.
Tips Magazine, Inc., New York, N. Y. Weekly periodical. Serial No. 498,737; Sept. 17. Class 38.
Triner, Joseph, Corporation, Chicago, Ill. Proprietary medicinal preparation. Serial No. 501,349; Sept. 17. Class 6.
Unique Art Manufacturing Company, Inc., Newark, N. J. Telephone indexes (blank). Serial No. 492,668; Sept. 17. Class 37.
U. S. Vitamin Corporation, New York, N. Y. Vitamin-mineral supplement. Serial No. 497,827; Sept. 17. Class 6.
Verney Fabrics Corporation, New York, N. Y. Piece goods of synthetic and natural fibres. Serial No. 483,390; Sept. 17. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods of synthetic and natural fibres. Serial No. 483,392; Sept. 17. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods of synthetic and natural fibres. Serial No. 483,395; Sept. 17. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods of synthetic and natural fibres. Serial Nos. 483,397–8; Sept. 17. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods of synthetic and natural fibres. Serial No. 483,400; Sept. 17. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods of synthetic and natural fibres. Serial No. 483,404; Sept. 17. Class 42.
Vincent-McCall Company, The, Kenosha, Wis. Mattresses. Serial Nos. 495,920–1; Sept. 17. Class 32.
Vitamins & Pharmaceuticals, Inc., Dover, Del. Germicide. Serial No. 497,282; Sept. 17. Class 6.
Wallace Laboratories, Inc., New Brunswick, N. J. Preparation for use in the treatment of acne, etc. Serial No. 489,496; Sept. 17. Class 6.
Walthur Manufacturing Company, Philadelphia, Pa. Woolen piece goods. Serial Nos. 496,183–4; Sept. 17. Class 42.
Wetherholt's Perfume Co., Chicago, Ill. Perfume and cologne. Serial No. 490,725; Sept. 17. Class 6.
Wheatley Mayonnaise Co., Inc., Louisville, Ky. Mayonnaise, sandwich spread, home style dill pickles, etc. Serial No. 489,242; Sept. 17. Class 46.
White & Wyckoff Mfg. Co., Holyoke, Mass. Greeting cards. Serial Nos. 498,666–8; Sept. 17. Class 38.
White & Wyckoff Mfg. Co., Holyoke, Mass. Greeting cards. Serial Nos. 498,670–1; Sept. 17. Class 38.
Wilster, Inc., Cleveland, Ohio. Electric fans and ventilating grilles. Serial No. 498,193; Sept. 17. Class 34.
Witte, Charles A., Chicago, Ill. Coach trailers. Serial Nos. 498,969–70; Sept. 17. Class 19.
Wood Commodities Corporation, New York, N. Y. Educational peg game. Serial No. 490,912; Sept. 17. Class 22.
Worthman, Irving, Brooklyn, N. Y. Facial tissue. Serial No. 483,407; Sept. 17. Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Brick Company, Fort Worth, Tex. Fire brick and refractory shapes. 424,124; Sept. 17. Class 12.
Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 218,767; renewed Oct. 5, 1946. O. G. Sept. 17. Class 23.
Affiliated Retailers, Inc., New York, N. Y. Surgical dressings. 424,010; Sept. 17; Serial No. 494,996; published June 25, 1946. Class 44.
Affiliated Retailers, Inc., New York, N. Y. Sanitary napkins. 424,011; Sept. 17; Serial No. 495,001; published June 25, 1946. Class 44.
Agate Plastics Corporation, Chicago, Ill. Infants' transparent plastic pots. 424,099; Sept. 17. Class 2.
Albert, Nathan, & Sons, New York, N. Y. Jackets, sweaters, coats, etc. 424,013; Sept. 17; Serial No. 495,264; published June 11, 1946. Class 39.
Alenikoff, Philip, New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. 423,987; Sept. 17; Serial No. 493,940; published June 11, 1946. Class 39.
Alien Property Custodian: *See*—
Mülhens & Kropff.
Allied Chemical & Dye Corporation: *See*—
Barrett Company, The.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and also Quackenbush Company, Paterson, N. J. Garment washing machines. 423,982; Sept. 17; Serial No. 493,711; published July 2, 1946. Class 24.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and also Quackenbush Company, Paterson, N. J. Garment washing machines. 423,983; Sept. 17; Serial No. 493,713; published July 2, 1946. Class 24.
American Brake Shoe Company, New York, N. Y. Publication. 423,923; Sept. 17; Serial No. 482,664; published July 2, 1946. Class 38.
American Cyanamid & Chemical Corporation, assignor to American Cyanamid Company, New York, N. Y. Synthetic plant hormones. 424,070; Sept. 17. Class 6.
American Cyanamid Company, assignee: *See*—
American Cyanamid & Chemical Corporation.
American & Foreign Rosary Company: *See*—
Gilooly, William J.
American Safety Razor Corporation: *See*—
Gem Safety Razor Corporation.
Kampfe Bros.
Wilehle Soap Company, The.
American Safety Razor Corporation, Brooklyn N. Y. Safety razors. 214,072; renewed June 15, 1946. O. G. Sept. 17. Class 23.
American Tobacco Company, The: *See*—
Gianaclis, Nestor Company.
Ames Baldwin Wyoming Co.: *See*—
St. Louis Shovel Co.
Ampco Metal, Inc., Milwaukee, Wis. Wrought bronze shapes; forgings, ingots; castings; etc. 423,957; Sept. 17; Serial No. 492,019; published June 11, 1946. Class 14.
Anaconda Wire & Cable Company: *See*—
Tubular Woven Fabric Company.
Appleton, Lou, New York, N. Y. Cravats. 424,112; Sept. 17. Class 39.
Armstrong Packing Company, Dallas, Tex., to Swift & Company, Chicago, Ill. Cottonseed oil shortening. 216,783; renewed Aug. 17, 1946. O. G. Sept. 17. Class 46.
Art Wire and Stamping Company, Newark, N. J. Swivels, snaps, baits, etc. 424,110; Sept. 17. Class 22.
Atlantic Battery Company: *See*—
Migell, Dorothy B.
Atlas Powder Company, Wilmington, Del. Ready-mixed paints and paint enamels, paint colors, etc. 423,914; Sept. 17; Serial No. 478,800; published June 11, 1946. Class 16.
Austenal Laboratories, Incorporated, New York, N. Y. Metal castings. 423,935; Sept. 17; Serial No. 488,307; published June 4, 1946. Class 14.
Baar & Beards, Inc., New York, N. Y. Dickeys and vestees. 424,060; Sept. 17. Class 39.
Baird Manufacturing Company: *See*—
Sheridan, Harold J.
Baker, Walter, & Company, Inc., Dorchester, Mass. Candy. 423,949; Sept. 17; Serial No. 491,226; published July 2, 1946. Class 46.
Baker, Walter, & Company, Inc., Dorchester, Mass. Chocolate products. 423,990; Sept. 17; Serial No. 494,005; published June 25, 1946. Class 46.
Barnängens Tekniska Fabrikers Aktiebolag, Stockholm, Sweden. Eau de cologne, perfumery; aromatic oil; etc. 205,502; renewed Nov. 10, 1945. O. G. Sept. 17. Class 6.
Barr, G., & Company, Chicago, Ill. Hand lotion. 424,094; Sept. 17. Class 6.
Barrett Company, The, to Allied Chemical & Dye Corporation, New York, N. Y. Liquid or liquefiable bituminous coatings. 218,363; renewed Sept. 28, 1946. O. G. Sept. 17. Class 12.
Bartels, William L.: *See*—
Middle River Bottling Co.
Basalt Rock Company, Inc., Napa, Calif. Concrete blocks. 424,014; Sept. 17; Serial No. 495,355; published July 2, 1946. Class 12.
Baxter, Don, Inc., Glendale, Calif. Alkaline detergent. 423,911; Sept. 17; Serial No. 470,909; published June 11, 1946. Class 4.
Beach Soap Company, Lawrence, Mass. Cleansing preparation. 423,933; Sept. 17; Serial No. 487,697; published June 11, 1946. Class 4.
Beaver Products Company, Inc., The, Buffalo, N. Y., to Certain-teed Products Corporation, Chicago, Ill. Plaster. 213,041; renewed May 18, 1946. O. G. Sept. 17. Class 12.
Beekman Engineering Co.: *See*—
Beekman, Robert L.
Beekman, Robert L., doing business as Beekman Engineering Co., Fort Lauderdale, Fla. Turret tool posts. 424,115; Sept. 17. Class 23.
Bell Oil and Refining Co., Los Angeles, Calif. Asphalt. 423,953; Sept. 17; Serial No. 491,453; published July 2, 1946. Class 12.
Berlinger, Jacob, New York, N. Y. Finger rings. 219,295; renewed Oct. 12, 1946. O. G. Sept. 17. Class 28.
Berry-Lebeck Mfg. Co.: *See*—
Berry, Robert W.
Berry, Robert W., doing business as Berry-Lebeck Mfg. Co., California, Mo. Fish lures. 424,015–16; Sept. 17; Serial Nos. 495,360–1; published July 2, 1946. Class 22.
Blue Diamond Coal Company, Knoxville, Tenn. Coal. 424,093; Sept. 17. Class 1.
Blue Moon Foods, Inc., Thorp, Wis. Cheese spread. 424,069; Sept. 17. Class 46.
Bon Marche, The: *See*—
Allied Stores Corporation.
Bond Stores, Incorporated: *See*—
Goodlow Corporation.
Bonneville Distilleries Inc., Idaho Falls, Idaho. Gin. 424,077; Sept. 17. Class 49.
Book House for Children, The, Chicago, Ill. Printed books. 219,655; renewed Oct. 19, 1946. O. G. Sept. 17. Class 38.
Bovril of America Inc.: *See*—
Bovril Limited.
Bovril Limited, London, England, and Montreal, Quebec, Canada, to Bovril of America Inc., New York, N. Y. Syrups, flavorings, tonics and extracts. 48,907; renewed Jan. 16, 1946. O. G. Sept. 17. Class 45.
Bovril Limited, London, England, to Bovril of America Inc., New York, N. Y. Extracts and essences of meat. 51,862; re-renewed Apr. 24, 1946. O. G. Sept. 17. Class 46.
Brach, L. S., Manufacturing Co., to L. S. Brach Manufacturing Corporation, Newark, N. J. Lightning arresters and parts thereof. 217,568; renewed Sept. 7, 1946. O. G. Sept. 17. Class 21.
Brach, L. S., Manufacturing Corporation: *See*—
Brach, L. S., Manufacturing Co.
Bradas & Gheens: *See*—
Gheens, C. Edwin.
Bradas & Gheens, Inc.: *See*—
Gheens, C. Edwin.
Branston Company, Inc., New York, N. Y. Pyrophoric cigar, cigarette, and pipe lighters. 424,096; Sept. 17. Class 34.
Buenger, Clem, doing business as Highland Manufacturing Company, Cold Springs, Ky. Pyrophoric cigarette lighters. 424,038; Sept. 17; Serial No. 497,991; published July 2, 1946. Class 34.
Bunyan, Paul Bait Company, The, Minneapolis, Minn. Boat propellers. 424,119; Sept. 17. Class 19.
Burton-Dixie Corporation: *See*—
Kinney-Rome Company.
Callite Tungsten Corporation, Union City, N. J. Welding rods. 423,942; Sept. 17; Serial No. 489,438; published June 11, 1946. Class 14.
Cameo Doll Products Co.: *See*—
Kallus, Jos. L.
Cannon, Elaine, Batavia, Ill. Dolls. 424,012; Sept. 17; Serial No. 495,214; published July 2, 1946. Class 22.
Carlay Company, The: *See*—
Futter, Carl A.
Caron Corporation, New York, N. Y. Perfume, toilet water, brilliantine, etc. 218,293; renewed Sept. 21, 1946. O. G. Sept. 17. Class 6.
Carter, H. W., & Co., Limited, Bristol, England. Black currant syrup for making beverages. 424,107; Sept. 17; Serial No. 495,449; published July 2, 1946. Class 45.
Catholic Foreign Mission Society of America, Inc., Ossining, N. Y. Periodical publication. 423,958; Sept. 17; Serial No. 492,031; published July 2, 1946. Class 38.

Central Chemical Company: *See*—
Nobrega, Frank B.

Certain-teed Products Corporation: *See*—
Beaver Products Company, Inc., The.

Certain-teed Products Corporation, Chicago, Ill. Shingle of asphalt roofing material. 424,042; Sept. 17. Class 12.

Chemical Products Corporation, to Industrial Chemical Products Co., Detroit, Mich. Chemical preparation. 206,654; renewed Dec. 8, 1945. O. G. Sept. 17. Class 6.

Chicopee Sales Corporation, New York, N. Y. Unwoven fibre sheeting. 423,917; Sept. 17; Serial No. 479,279; published June 25, 1946. Class 37.

China Overseas, New York, N. Y. Jewelry. 423,999; Sept. 17; Serial No. 494,259; published July 2, 1946. Class 28.

Cleno Products Manufacturing Company: *See*—
Marien, Kenneth P.

Climax Fuse Co., The, New York, N. Y., to The Ensign-Bickford Company, Simsbury, Conn. Safety-fuse for exploding gunpowder and other explosives. 56,488; re-renewed Oct. 2, 1946. O. G. Sept. 17. Class 9.

Climax Fuse Co., The, New York, N. Y., to The Ensign-Bickford Company, Simsbury, Conn. Fuses. 56,489; re-renewed Oct. 2, 1946. O. G. Sept. 17. Class 9.

Colorado Bedding Company, The: *See*—
Colorado Bedding Co., The.

Colorado Bedding Co., The, Pueblo, Colo., to The Colorado Bedding Company, Denver, Colo. Mattresses. 53,139; re-renewed May 29, 1946. O. G. Sept. 17. Class 32.

Columbia Protektosite Co., Inc., Carlstadt, N. J. Hair combs. 424,073; Sept. 17. Class 40.

Comex Trading Co., Inc., New York, N. Y. Anchovies in salt and fillets of anchovies in olive oil. 424,092; Sept. 17. Class 46.

Commander-Larabee Milling Company: *See*—
Minneapolis Milling Company.

Commercial Compinex Company, New York, N. Y. Canned fish. 424,076; Sept. 17. Class 46.

Commonwealth Plywood Company Limited, Ste. Therese, Quebec, Canada. Plywood. 424,029; Sept. 17; Serial No. 496,430; published July 2, 1946. Class 12.

Compañia Comercial e Industrial Nicolas Merino S. A., Habana, Cuba. Rum. 423,915; Sept. 17; Serial No. 478,950; published July 2, 1946. Class 49.

Consolidated Cosmetics, Chicago, Ill. Cigarettes and cigars. 423,973; Sept. 17; Serial No. 493,327; published July 2, 1946. Class 17.

Consolidated Distilleries, Inc., East Taunton, Mass. Whiskey. 423,932; Sept. 17; Serial No. 487,357; published July 2, 1946. Class 49.

Consolidated Millinery Company, Chicago, Ill. Ladies', misses', and juniors' hats. 218,124; renewed Sept. 21, 1946. O. G. Sept. 17. Class 39.

Continental Can Company, Inc., New York, N. Y. Cardboard, paper, and pasteboard cartons and parts thereof. 424,059; Sept. 17. Class 2.

Corn Products Refining Company, New York, N. Y. Sugar. 424,035; Sept. 17; Serial No. 497,372; published July 2, 1946. Class 46.

Cover Girl: *See*—
Revoc, Inc.

Craft, Griffin, doing business as Dixie Syrup Company, Sheffield, Ala. Table syrup. 424,117; Sept. 17. Class 46.

Crest Fabrics Corp., New York, N. Y. Ladies', misses', and girls' dresses, blouses, playsuits, etc. 423,926; Sept. 17; Serial No. 484,831; published June 4, 1946. Class 39.

Crouch, Lee D., Oneonta, N. Y. Radio receiving sets. 211,901; renewed Apr. 20, 1946. O. G. Sept. 17. Class 21.

Cryns Products, Inc., Chicago, Ill. Food for yeast in powdered form, etc. 424,125; Sept. 17. Class 46.

Curtice Brothers Co., Rochester, N. Y. Catchup. 55,170; re-renewed Aug. 7, 1946. O. G. Sept. 17. Class 46.

Curtice Brothers Co., Rochester, N. Y. Catchup. 55,813; re-renewed Aug. 21, 1946. O. G. Sept. 17. Class 46.

Cycling Press, Inc., New York, N. Y. Section in a trade-periodical. 424,109; Sept. 17. Class 38.

D. & W. Fuse Co., Providence, R. I., to General Electric Company, Schenectady, N. Y. Electric switches and parts thereof and mountings and inclosures therefor. 52,844; re-renewed May 22, 1946. O. G. Sept. 17. Class 21.

Dade Brothers, Inc., Mineola, N. Y. Packing and shipping cases. 423,924; Sept. 17; Serial No. 483,134; published June 25, 1946. Class 2.

Dartford Deb Modes Inc., New York, N. Y. Junior dresses. 423,971; Sept. 17; Serial No. 493,104; published June 11, 1946. Class 39.

Davis and Lawrence Company: *See*—
Davis and Lawrence Co.

Davis and Lawrence Co., New York, N. Y., to Davis and Lawrence Company, Dobbs Ferry, N. Y. Certain medicinal preparation. 54,100; re-renewed June 19, 1946. O. G. Sept. 17. Class 6.

Dey Brothers & Company: *See*—
Allied Stores Corporation.

Dixie Syrup Company: *See*—
Craft, Griffin.

Doulton & Company Limited, Lambeth, London, England. Pottery, earthenware, and china. 215,854–55; renewed July 27, 1946. O. G. Sept. 17. Class 30.

Doulton & Company Limited, Lambeth, London, England. Pottery, earthenware, and china. 216,872; renewed Aug. 24, 1946. O. G. Sept. 17. Class 30.

Du Bois Company, The, Cincinnati, Ohio. Soap. 423,913; Sept. 17; Serial No. 477,872; published June 11, 1946. Class 4.

Durallium Products Corporation, Chicago, Ill. Cast porcelain artificial teeth and dental jacket porcelain. 424,088; Sept. 17. Class 44.

Durite Corporation, Detroit, Mich. Automobile polishing wax, paint remover preparation, self-polishing floor wax, etc. 423,950; Sept. 17; Serial No. 491,249; published June 4, 1946. Class 16.

Earnshaw Sales Company, Chicago, Ill., to Earnshaw Publications, Inc., Newton, Mass. Magazine. 214,158; renewed June 15, 1946. O. G. Sept. 17. Class 38.

Earnshaw Publications, Inc.: *See*—
Earnshaw Sales Company.

Edwards, J., & Co., Philadelphia, Pa. Leather shoes. 424,067; Sept. 17. Class 39.

Edwards, J., & Co., Philadelphia, Pa. Leather shoes. 424,071; Sept. 17. Class 39.

Elder Manufacturing Company, St. Louis, Mo. Certain piece goods. 218,424; renewed Sept. 28, 1946. O. G. Sept. 17. Class 42.

Elder Manufacturing Company, St. Louis, Mo. Certain piece goods. 218,717; renewed Oct. 5, 1946. O. G. Sept. 17. Class 42.

Ellis Paint Company, Long Beach, Calif. Ready-mixed paints, paint enamels, varnishes, etc. 424,116; Sept. 17. Class 16.

Ellmore Silver Company, Inc., The, Meriden, Conn. Silverware. 424,024; Sept. 17; Serial No. 495,961; published July 2, 1946. Class 28.

Empire Products Corporation, El Paso, Tex. Imitation grape punch concentrate. 423,969; Sept. 17; Serial No. 492,995; published July 2, 1946. Class 45.

Engen, Alf, Company, Salt Lake City, Utah. Skin lotion. 424,111; Sept. 17. Class 6.

Ensign-Bickford Company, The: *See*—
Climax Fuse Co., The.

Epstein Garment Co., Inc., New York, N. Y. Ladies' dresses. 424,123; Sept. 17. Class 39.

Fageol, William B., Kent, Ohio. Child's tricycle. 424,002; Sept. 17; Serial No. 494,546; published July 2, 1946. Class 19.

Fast, John E., & Co., Chicago, Ill. Electric condensers, transformer coils, and resistances. 424,045; Sept. 17. Class 21.

Fels & Company, to Fels & Company, Philadelphia, Pa. Soap. 56,841; re-renewed Oct. 23, 1946. O. G. Sept. 17. Class 4.

Filippone, B., & Co., to B. Filippone & Co., Passaic, N. J. Macaroni, canned peas, and tomatoes. 219,494; renewed Oct. 19, 1946. O. G. Sept. 17. Class 46.

Fitch, F. W., Company, The, Des Moines, Iowa. Hair tonic. 218,007; renewed Sept. 14, 1946. O. G. Sept. 17. Class 6.

Fleischer, R. T., & Co., Nogales, Ariz. Fresh vegetables. 424,103; Sept. 17. Class 46.

Fluff Sheen Cleaners: *See*—
Harrison, William G.

Frank, Murray, & Associates, Chicago, Ill. Permanent wave pads. 424,089; Sept. 17. Class 44.

Freydberg Bros.-Strauss, Inc., New York, N. Y. Pressure adhesive tape dispensers. 424,026–7; Sept. 17; Serial Nos. 496,230–1; published July 2, 1946. Class 2.

Frizzell, Robert E., Fort Worth, Tex. Prepared foods. 423,927; Sept. 17; Serial No. 485,477; published July 2, 1946. Class 46.

Frontier Bronze Corporation, Niagara Falls, N. Y. Aluminum alloys and castings. 423,963; Sept. 17; Serial No. 492,319; published June 18, 1946. Class 14.

Futter, Carl A., doing business as The Carlay Company, Chicago, Ill. Candy. 424,007; Sept. 17; Serial No. 496,694; published June 25, 1946. Class 46.

Future Fashions, Inc., New York, N. Y. Ladies' and misses' dresses and sportswear. 424,001; Sept. 17; Serial No. 494,438; published June 11, 1946. Class 39.

Gates Rubber Company, The, Denver, Colo. Pneumatic automobile and truck tires, inner tubes, etc. 424,054; Sept. 17. Class 35.

Gem Safety Razor Corporation, to American Safety Razor Corporation, Brooklyn, N. Y. Safety razors. 216,268; renewed Aug. 10, 1946. O. G. Sept. 17. Class 23.

General Electric Company: *See*—
D. & W. Fuse Co.

General Electric Company, Schenectady, N. Y. Certain electric heaters; and electric soldering irons and sheathed electric heating units. 216,410; renewed Aug. 10, 1946. O. G. Sept. 17. Class 21.

Gheens, C. Edwin, doing business as Bradas & Gheens, to Bradas & Gheens, Inc., Louisville, Ky. Stick candy. 214,949; renewed July 6, 1946. O. G. Sept. 17. Class 46.

Gianaclis, Nestor, Company, Boston, Mass., to American Tobacco Company, The, New York, N. Y. Cigarettes and tobacco for cigarettes. 54,790; re-renewed July 31, 1946. O. G. Sept. 17. Class 17.

Gibson, Guy T., Incorporated, to Parfums Ciro, Inc., New York, N. Y. Perfume preparation for the bath. 219,696; renewed Oct. 19, 1946. O. G. Sept. 17. Class 6.

Gillette Safety Razor Company, Boston, Mass. Safety-razor blades. 216,569; renewed Aug. 17, 1946. O. G. Sept. 17. Class 23.

Gilmore, F. F., & Co., Inc., Boston, Mass. Tools. 424,074; Sept. 17. Class 23.

Gilooly, William J., doing business as American & Foreign Rosary Company, Central Falls, R. I. Rosaries. 424,005; Sept. 17; Serial No. 494,672; published July 2, 1946. Class 28.

Gladding McBean & Co.: *See*—
Los Angeles Pressed Brick Co.

Goens, Everett M., Richmond, Ind. Compound in liquid form for cleaning rugs, carpets, upholstery, etc. 423,919; Sept. 17; Serial No. 481,538; published June 11, 1946. Class 4.

Goodlow Corporation, to Bond Stores, Incorporated, New York, N. Y. Men's and boys' suits, raincoats, and overcoats. 218,070; renewed Sept. 21, 1946. O. G. Sept. 17. Class 39.

Goodrich, B. F., Company, The, doing business as Hood Rubber Company, New York, N. Y., and Watertown, Mass. Synthetic resin material. 423,991; Sept. 17; Serial No. 494,060; published July 2, 1946. Class 12.

Gordon Company, The: *See*—
Rosenberg, Gordon W.

Gougler, C. L., Keyless Lock Company, The, assignor to The C. L. Gougler Machine Company, Kent, Ohio. Locks. 424,030; Sept. 17; Serial No. 496,505; published July 2, 1946. Class 25.

Gougler, C. L., Machine Company, The: *See*—
Gougler, C. L., Keyless Lock Company, The.

Great Lakes Carbon Corporation, Chicago, Ill., and Los Angeles, Calif. Compositions of inert mineral absorbents and hygroscopic salts, etc. 424,098; Sept. 17. Class 6.

Greif, L., & Bro., Incorporated, Baltimore, Md. Top-coats, overcoats, coats, etc., for men, youths, and boys. 217,769; renewed Sept. 7, 1946. O. G. Sept. 17. Class 39.

Grenoville, Marie Marthe Richard Vve., doing business as Parfumerie Grenoville, to Grenoville, Societe Anonyme, Asnieres, France. Liquid adhesive toilet powder. 177,048; renewed Dec. 11, 1943. O. G. Sept. 17. Class 6.

Grenoville, Societe Anonyme: *See*—
Grenoville, Marie Marthe Richard Vve.

Gross Blouse Co., New York, N. Y. Ladies' blouses. 424,114; Sept. 17. Class 39.

Grosset & Dunlap, Inc., New York, N. Y. Printed books. 423,940; Sept. 17; Serial No. 488,897; published July 2, 1946. Class 38.

Habitant Shops, Inc., Bay City, Mich. Corner trellises, lawn trellises, arbors, etc. 424,031; Sept. 17; Serial No. 496,506; published July 2, 1946. Class 12.

Haire Publishing Company, New York, N. Y. Section in a magazine. 424,113; Sept. 17. Class 38.

Hale, Elwyn C., Fisheries and Estate of C. P. Hale, San Francisco, Calif. Canned fish, fish meal, salad dressing, etc. 423,984; Sept. 17; Serial No. 493,887; published July 2, 1946. Class 46.

Halgreen, Inc., New York, N. Y. Custom made jewelry, brooches, and fancy lighters. 424,075; Sept. 17. Class 28.

Hal Pern M'f'g Co.: *See*—
Halpern, Irving.

Halpern, Irving, doing business as Hal Pern M'f'g Co., Brooklyn, to Henry F. Pupke, Valley Stream, N. Y. Dyes. 216,956; renewed Aug. 24, 1946. O. G. Sept. 17. Class 6.

Hanskat, Rose, doing business as Rosehan Company, Chicago, Ill., to Rose Hanskat, Pass-A-Grille Beach, Fla. Women's undergarments. 212,231; renewed Apr. 27, 1946. O. G. Sept. 17. Class 39.

Hargold Associates, Inc., New York, N. Y. Pipes, cigar and cigarette holders, and tobacco pouches. 423,977–8; Sept. 17; Serial Nos. 493,555–6; published July 2, 1946. Class 8.

Harrison, William G., doing business as Fluff Sheen Cleaners, Chicago, Ill. Water soluble paste. 423,952; Sept. 17; Serial No. 491,409; published June 11, 1946. Class 4.

Hause, Charles F., doing business as Chas. F. Hause Mfg. Co., Reseda, Calif. Faucet washers. 423,934; Sept. 17; Serial No. 488,266; published July 2, 1946. Class 35.

Hause, Chas. F., Mfg. Co.: *See*—
Hause, Charles F.

Hausman, M., & Sons, New York, N. Y. Ladies', misses', and children's dresses, blouses, coats, etc. 423,979; Sept. 17; Serial No. 493,681; published June 11, 1946. Class 39.

Haynes Stellite Company, New York, N. Y. Ferro-alloy. 423,980; Sept. 17; Serial No. 493,683; published June 11, 1946. Class 14.

Heinz Beverages, Pittsburgh, Pa. Non-alcoholic, non-cereal, maltless beverages. 424,107; Sept. 17. Class 45.

Henry Company, The: *See*—
Meyers, Henry.

Heppenstall Company, Pittsburgh, Pa. Steel forgings. 423,920–1; Sept. 17; Serial Nos. 481,703–4; published June 11, 1946. Class 14.

Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y., to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Safes. 52,827; re-renewed May 22, 1946. O. G. Sept. 17. Class 25.

Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y., to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Safes. 54,280; re-renewed June 26, 1946. O. G. Sept. 17. Class 25.

Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y., to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Safes. 56,278–9; re-renewed Sept. 4, 1946. O. G. Sept. 17. Class 25.

Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y., to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Safes. 56,287; re-renewed Sept. 4, 1946. O. G. Sept. 17. Class 25.

Highgrove Fruit Association, Highgrove, Calif. Fresh citrous fruits. 219,429; renewed Oct. 19, 1946. O. G. Sept. 17. Class 46.

Highland Manufacturing Company: *See*—
Buenger, Clem.

Hillcrest Silk Mills, West New York, N. J., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Certain piece goods. 211,408; renewed Apr. 13, 1946. O. G. Sept. 17. Class 42.

Hilliard Corporation, The, Elmira, N. Y. Filtering apparatus. 423,998; Sept. 17; Serial No. 494,218; published July 2, 1946. Class 31.

Hirsch, Clement L., doing business as Meat-Y-Fresh Pet Food Co., Los Angeles, Calif. Pet food. 424,090; Sept. 17. Class 46.

Hollander-Craft, Neptune, N. J. Wearing apparel and accessory racks. 424,006; Sept. 17; Serial No. 494,679; published July 2, 1946. Class 32.

Hollidge, C. Crawford, to C. Crawford Hollidge, Ltd., Boston, Mass. Certain named clothing for women, girls and misses. 217,647; renewed Sept. 7, 1946. O. G. Sept. 17. Class 39.

Hollidge, C. Crawford, Ltd.: *See*—
Hollidge, C. Crawford.

Hood Rubber Company: *See*—
Goodrich, B. F., Company, The.

Horst, E. Clemens, Co., San Francisco, Calif. Canned fruits, canned vegetables, dried fruits, etc. 218,778; renewed Oct. 5, 1946. O. G. Sept. 17. Class 46.

Hough Packed Produce: *See*—
Hough, T. E.

Hough, T. E., doing business as Hough Packed Produce, Harlingen, Tex. Fresh vegetables. 424,131; Sept. 17. Class 46.

Hower, Harry C., to Vogue Rubber Company, Chicago, Ill. Automobile tires and tubes. 212,547; renewed May 4, 1946. O. G. Sept. 17. Class 35.

Hudson, H. D., Manufacturing Company: *See*—
Hudson Mfg. Company.

Hudson, J. L., Company, The, Detroit, Mich. Hosiery. 219,852; renewed Oct. 26, 1946. O. G. Sept. 17. Class 39.

Hudson Mfg. Company, Minneapolis, Minn., to H. D. Hudson Manufacturing Company, Chicago, Ill. Portable and hand-operated sprayers and parts thereof. 218,856–8; renewed Oct. 5, 1946. O. G. Sept. 17. Class 23.

Hudson Mfg. Company, Minneapolis, Minn., to H. D. Hudson Manufacturing Company, Chicago, Ill. Portable and hand-operated sprayers and parts thereof. 218,966; renewed Oct. 5, 1946. O. G. Sept. 17. Class 23.

Hughes Aircraft Company: *See*—
Hughes Tool Company.

Hughes-Autograf Brush Co., Inc., New York, N. Y., now by change of name to Hughes Brushes Inc. Protective brush covers. 424,121; Sept. 17. Class 50.

Hughes Brushes Inc.: *See*—
Hughes-Autograf Brush Co., Inc.

Hughes Tool Company, doing business as Hughes Aircraft Company, Culver City, Calif. Small boats. 423,966; Sept. 17; Serial No. 492,441; published July 2, 1946. Class 19.

Hunt, Rodney, Machine Company, Orange, Mass. Vats. 424,064; Sept. 17. Class 2.

Ideal Commutator Dresser Company, Sycamore, Ill. Insulated, internally threaded connection members. 424,062; Sept. 17. Class 21.

Illinois Watch Case Co.: *See*—
Illinois Watch Case Company.

Illinois Watch Case Company, to Illinois Watch Case Co., Elgin, Ill. Watch movements and watchcases. 211,955–61; renewed Apr. 20, 1946. O. G. Sept. 17. Class 27.

Industrial Chemical Products Co.: *See*—
Chemical Products Corporation.

Interchemical Corporation: *See*—
Murphy Varnish Company.

International Cigar Machinery Company, New York, N. Y., to International Cigar Machinery Company, Flemington, N. J. Cigar-making machinery and parts thereof. 216,300; renewed Aug. 10, 1946. O. G. Sept. 17. Class 23.

International Cigarette Co., Long Island City, N. Y. Cigarettes. 423,988; Sept. 17; Serial No. 493,967; published June 25, 1946. Class 17.

International Nickel Company, Inc., The, New York, N. Y. Nickel-copper alloy. 423,981; Sept. 17; Serial No. 493,685; published June 4, 1946. Class 14.

Jaden, F., Manufacturing Co. Inc., Hastings, Nebr. Air conditioners, air conditioning equipment and parts thereof, etc. 424,080; Sept. 17. Class 34.

Jaguar Cars Limited, Warwickshire, England. Automobiles, buses, motor vans, etc. 423,961; Sept. 17; Serial No. 492,201; published July 2, 1946. Class 19.

Janszen Company, The: *See*—
Janszen Grocery Company, The.

Janszen Grocery Company, The, to The Janszen Company, Cincinnati, Ohio. Table salt and baking powder. 219,378; renewed Oct. 19, 1946. O. G. Sept. 17. Class 46.

Johnson-March Corporation, The, New York, N. Y. Material for the curing of concrete. 424,040; Sept. 17. Class 12.

Justi, H. D., & Son, Inc., Philadelphia, Pa. Dental impression materials. 423,992; Sept. 17; Serial No. 494,076; published June 25, 1946. Class 44.

Kalamazoo Pant Company: *See*—
Rosenbaum, Sam, & Company.

Kalender Bros.: *See*—
Wright & Hughson.

Kallus, Jos. L., doing business as Cameo Doll Products Co., Port Allegany, Pa. Toy dolls. 424,025; Sept. 17; Serial No. 496,084; published July 2, 1946. Class 22.

Kampfe Bros., New York, to American Safety Razor Corporation, Brooklyn, N. Y. Razors and razor blades. 56,186; re-renewed Aug. 28, 1946. O. G. Sept. 17. Class 23.

Kaufmann, Gerson, Co., Inc., New York, N. Y. Dresses, smocks, and brunch coats. 423,972; Sept. 17; Serial No. 493,268; published June 18, 1946. Class 39.

Kelly-Springfield Tire Company, The: *See*—
Kelly-Springfield Tire Company.

Kelly-Springfield Tire Company, New York, N. Y., to The Kelly-Springfield Tire Company, Cumberland, Md. Solid and pneumatic tires and inflatable inner tubes of rubber. 216,288; renewed Aug. 10, 1946. O. G. Sept. 17. Class 35.

Kennedy, David E., Inc., Brooklyn, N. Y. Floor tiles. 424,034; Sept. 17; Serial No. 497,250; published July 2, 1946. Class 12.

King Brooks, Inc., Detroit, Mich. Men's suits, topcoats, overcoats, etc. 424,003; Sept. 17; Serial No. 494,613; published June 11, 1946. Class 39.

Kinney-Rome Company, to Burton-Dixie Corporation, Chicago, Ill. Bed springs. 218,252; renewed Sept. 21, 1946. O. G. Sept. 17. Class 32.

Kinney Rome Company, to Burton-Dixie Corporation, Chicago, Ill. Bed springs. 218,729; renewed Oct. 5, 1946. O. G. Sept. 17. Class 32.

Knoepfler Bros., Inc., New York, N. Y. Pyrophoric lighters. 423,970; Sept. 17; Serial No. 493,066; published July 2, 1946. Class 34.

Kohn, L., & Sons Meat and Grocery Company, doing business as The Kohn Stores, St. Louis, Mo., to The Kroger Co., Cincinnati, Ohio. Coffee, butter, and food-flavoring vanilla extract, etc. 216,063; renewed Aug. 3, 1946. O. G. Sept. 17. Class 46.

Kohn Stores, The: *See*—
Kohn, L., & Sons Meat and Grocery Company.

Kolber, A., Inc., New York, N. Y. Pens, fountain pens and parts thereof, mechanical pencils, etc. 424,085; Sept. 17. Class 37.

Kriete, Rudolf, doing business as Old Bird Co., to Ellie Polte, Kansas City, Mo. Bird food. 219,899; renewed Oct. 26, 1946. O. G. Sept. 17. Class 46.

Kroger Co., The: *See*— —
Kohn, L., & Sons Meat and Grocery Company.
Kroger Grocery & Baking Co., The.

Kroger Grocery & Baking Co., The, to The Kroger Co., Cincinnati, Ohio. Canned fruits. 214,567; renewed June 29, 1946. O. G. Sept. 17. Class 46.

Kroger Grocery & Baking Co., The, to The Kroger Co., Cincinnati, Ohio. Pancake flour, dried raisins, dried prunes, etc. 214,571; renewed June 29, 1946. O. G. Sept. 17. Class 46.

Krolik Corporation, The: *See*—
National Textile Distributers Corporation.

Kronthal, Leon, Inc., New York, N. Y. Misses' and junior misses' blouses. 424,128; Sept. 17. Class 39.

La Grange Shoe Corporation: *See*—
Stickles, L. D., Shoe Company, The.

Lambert, Lamiza B., St. Louis, Mo. Column. 424,004; Sept. 17; Serial No. 494,615; published June 25, 1946. Class 38.

La Rue, William S., Omaha, Nebr. Cleansing lotion. 424,048; Sept. 17. Class 6.

Leigh Chemist, Inc., New York, N. Y., to Shulton, Inc., Hoboken, N. J., and New York, N. Y. Massage cream. 219,508; renewed Oct. 19, 1946. O. G. Sept. 17. Class 6.

Leigh Chemist, Inc., New York, N. Y., to Shulton, Inc., Hoboken, N. J., and New York, N. Y. Face creams. 219,671; renewed Oct. 19, 1946. O. G. Sept. 17. Class 6.

Lever Brothers Company, Cambridge, Mass. Soap. 219,185; renewed Oct. 12, 1946. O. G. Sept. 17. Class 4.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass. 424,041; Sept. 17. Class 33.

Lindblad, Allan P., doing business as Sudbury Brass Goods Company, Boston, Mass. Metallic candle burners. 424,129; Sept. 17. Class 34.

Linden Hill Corporation, New York, N. Y. Section of a publication. 423,916; Sept. 17; Serial No. 479,244; published June 25, 1946. Class 38.

Los Angeles Pressed Brick Co., to Gladding McBean & Co., Los Angeles, Calif. Brick and tile. 219,041; renewed Oct. 12, 1946. O. G. Sept. 17. Class 12.

Low Moor Best Yorkshire Iron Limited. *See*—
Low Moor Company Limited.

Low Moor Company Limited, Low Moor, near Bradford, to Low Moor Best Yorkshire Iron Limited, Low Moor (Bradford), Yorkshire, England. Rivets. 51,189; re-renewed Mar. 20, 1946. O. G. Sept. 17. Class 13.

Low Moor Company Limited, Low Moor, near Bradford, to Low Moor Best Yorkshire Iron Limited, Low Moor (Bradford), Yorkshire, England. Iron bars, rods, sheets, etc. 51,242; re-renewed Apr. 10, 1946. O. G. Sept. 17. Class 14.

Magnolia Citrus Association, Porterville, Calif. Fresh citrous fruit. 217,333; renewed Aug. 31, 1946. O. G. Sept. 17. Class 46.

Magnolia Citrus Association, Porterville, Calif. Fresh citrous fruit. 219,750; renewed Oct. 26, 1946. O. G. Sept. 17. Class 46.

Maico Company, Incorporated, The, Minneapolis, Minn. Hearing aids. 423,993–4; Sept. 17; Serial Nos. 494,095–6; published June 25, 1946. Class 44.

Maico Company, Incorporated, The, Minneapolis, Minn. Hearing aids. 424,028; Sept. 17; Serial No. 496,251; published June 25, 1946. Class 44.

Makepeace, D. E., Company, Attleboro, Mass. Sheets, wire, tubing, and solders, all of precious metals, and their alloys. 424,049; Sept. 17. Class 14.

Mann, Harold, doing business as Mann Overall Company, El Paso, Tex. Overalls and work clothes. 423,985; Sept. 17; Serial No. 493,889; published June 11, 1946. Class 39.

Mann Overall Company: *See*—
Mann, Harold.

Marien, Kenneth P., doing business as Cleno Products Manufacturing Company, St. Louis, Mo. Floor sweeping compounds. 423,948; Sept. 17; Serial No. 491,105; published June 11, 1946. Class 4.

Maywood Hosiery Mills, Inc., Cordele, Ga. Hosiery. 423,989; Sept. 17; Serial No. 493,973; published June 18, 1946. Class 39.

McLanathan, F. W., & Son, Inc., Lawrence, Mass. Belting for power transmission. 423,943; Sept. 17; Serial No. 489,672; published June 25, 1946. Class 35.

McNeely, G. H., & Co., to McNeely & Price Co., Philadelphia, Pa. Glazed kid. 28,734; re-renewed Aug. 11, 1946. O. G. Sept. 17. Class 1.

McNeely & Price Co.: *See*—
McNeely, G. H., & Co.

Mead Johnson & Company, Evansville, Ind. Specially-prepared food in powdered form. 219,116; renewed Oct. 12, 1946. O. G. Sept. 17. Class 46.

Meat-Y-Fresh Pet Food Co.: *See*—
Hirsch, Clement L.

Merrill & Usher Company, Worcester, Mass. Steel and steel alloy metal rods, sheets, and bars. 423,964; Sept. 17; Serial No. 492,388; published June 18, 1946. Class 14.

Meyers, Henry, doing business as The Henry Company, New York, N. Y. Handbags. 424,104; Sept. 17. Class 3.

Michael, David, doing business as The David Michael Company, Chicago, Ill. Hosiery. 424,022; Sept. 17; Serial No. 495,679; published June 18, 1946. Class 39.

Michael, David, Company, The: *See*—
Michael, David.

Middlebrooke Lancaster, Inc., Brooklyn, N. Y. Shaving cream and toilet soap. 424,095; Sept. 17. Class 4.

Middle River Bottling Company: *See*—
Middle River Bottling Co.

Middle River Bottling Co., Middle River, to William L. Bartels, doing business as Middle River Bottling Company, Baltimore, Md. Carbonated, nonalcoholic, non-cereal, maltless beverages. 217,179; renewed Aug. 24, 1946. O. G. Sept. 17. Class 45.

Migell, Dorothy B., doing business as Atlantic Battery Company, Boston, Mass. Storage batteries. 424,120; Sept. 17. Class 21.

Minneapolis Brewing Co., to Minneapolis Brewing Co., Minneapolis, Minn. Beer. 54,642–3; re-renewed June 26, 1946. O. G. Sept. 17. Class 48.

Minneapolis Milling Company, to Commander-Larabee Milling Company, Minneapolis, Minn. Durum feed and durum flour. 215,554; renewed June 20, 1946. O. G. Sept. 17. Class 46.

Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 216,263; renewed Aug. 10, 1946. O. G. Sept. 17. Class 42.

Morrison-Atlas Products, Franklin Park, Ill. Applicator for applying shoe polish, leg make-up, saddle soap and the like. 424,078; Sept. 17. Class 29.

Morrison, Charles A., Springfield, Mass. Perfumes, colognes, sachet powders, etc. 424,130; Sept. 17. Class 6.

Montaperto, Giuseppe, Brooklyn, N. Y., to Gus Sclafani, Stamford, Conn. Olive oil. 218,745; renewed Oct. 5, 1946. O. G. Sept. 17. Class 46.

Mukamal Company, New York, N. Y. Matches. 423,959; Sept. 17; Serial No. 492,077; published June 11, 1946. Class 9.

Mülhens & Kropff, New York, N. Y., vested in the Alien Property Custodian, Washington, D. C. Glycerin-soap. 51,386; re-renewed Apr. 17, 1946. O. G. Sept. 17. Class 4.

Murphy Varnish Company, Newark, N. J., to Interchemical Corporation, New York, N. Y. Certain paints and painters' materials. 218,941; renewed Oct. 5, 1946. O. G. Sept. 17. Class 16.

Myrurgia, S. A., Barcelona, Spain. Toilet soaps. 424,063; Sept. 17. Class 4.

Nash Incorporated, Jersey City, N. J. Billfolds. 424,036; Sept. 17; Serial No. 497,556; published June 25, 1946. Class 3.

Nashua Manufacturing Company: *See*—
Nashua Manufg. Company.

Nashua Manufg. Company, Nashua, N. H., to Nashua Manufacturing Company, Boston, Mass. Cotton piece goods. 219,424; renewed Oct. 19, 1946. O. G. Sept. 17. Class 42.

Natelson, Alvin, Amityville, Long Island, N. Y. Men's undershirts, underdrawers, and union suits. 424,009; Sept. 17; Serial No. 494,917; published June 11, 1946. Class 39.

National Acme Company, The: *See*—
National-Acme Manufacturing Company, The.

National-Acme Manufacturing Company, The, to The National Acme Company, Cleveland, Ohio. Lathes. 49,597; re-renewed Feb. 13, 1946. O. G. Sept. 17. Class 23.

National Growers & Shippers, Los Angeles, Calif. Fresh vegetables. 424,091; Sept. 17. Class 46.

National Lead Company, New York, N. Y. Ingots and castings of lead alloys. 423,918; Sept. 17; Serial No. 481,190; published June 18, 1946. Class 14.

National Pectin Products Company, Chicago, Ill. Emulsifiers. 423,975; Sept. 17; Serial No. 493,504; published July 2, 1946. Class 46.

National Textile Distributers Corporation, New York, N. Y., to The Krolik Corporation, Detroit, Mich. Hosiery. 219,620; renewed Oct. 19, 1946. O. G. Sept. 17. Class 39.

Nethe, L. J., & Company, New York, N. Y. Veilings. 424,097; Sept. 17. Class 42.

New Castle Grocery Co., to New Castle Grocery Co., New Castle, Pa. Canned fruits, canned vegetables, bottled cherries, etc. 214,524; renewed June 29, 1946. O. G. Sept. 17. Class 46.

New England Extract Company, Boston, Mass. Coffee extracts. 424,008; Sept. 17; Serial No. 494,858; published July 2, 1946. Class 46.

New York Merchandise Co., Inc., New York, N. Y. Combs. 424,061; Sept. 17. Class 40.

New York Merchandise Co., Inc., New York, N. Y. Toothbrushes. 424,087; Sept. 17. Class 29.

Nobrega, Frank B., doing business as Central Chemical Company, Kansas City, Mo. Surface polishing wax. 423,947; Sept. 17; Serial No. 491,023; published June 18, 1946. Class 16.

Norcross, Sterling E., Bloomfield, N. J. Blank order forms. 424,066; Sept. 17. Class 37.

Nox-Rust Corporation, Chicago, Ill. Plastic coating material. 424,044; Sept. 17. Class 6.

Nu-Starch, Inc., New York, N. Y. Combination starch and bluing concentrate. 424,122; Sept. 17. Class 6.

Nutty Comics, Inc., New York, N. Y. Humorous cartoon magazine. 423,945; Sept. 17; Serial No. 490,603; published June 25, 1946. Class 38.

Odeon Theatres Limited, London, England. Confectionery. 423,944; Sept. 17; Serial No. 490,206; published July 2, 1946. Class 46.

Ohio Art Co., The, Bryan, Ohio. Toy children's lunch boxes, toy dishes, toy trays, etc. 424,051; Sept. 17. Class 22.

Old Bird Co.: *See*—
Kriete, Rudolf.

Old Hickory Chair Co., The, to Old Hickory Furniture Company, Martinsville, Ind. Rustic chairs, settees, tables, etc. 51,685; re-renewed Apr. 24, 1946. O. G. Sept. 17. Class 32.

Old Hickory Furniture Company: *See*—
Old Hickory Chair Co., The.

Oz Laboratories: *See*—
Reichman, Henry H.

Parfumerie Grenoville: *See*—
Grenoville, Marie Marthe Richard Vve.

Parfums Ciro, Inc.: *See*—
Gibson, Guy T., Incorporated.

Park Sherman Co., Inc., Chicago, Ill. Pyrophoric cigarette lighters. 423,960; Sept. 17; Serial No. 492,082; published July 2, 1946. Class 34.

Park City Cornice Works, Incorporated, Bridgeport, Conn. Skylights, skylight lifts, and built-in roof ventilators. 216,432; renewed Aug. 10, 1946. O. G. Sept. 17. Class 12.

Patten, Van, Pharmaceutical Co., Chicago, Ill. Sodium ascorbate. 424,083; Sept. 17. Class 6.

Peacock, O. L., Fort Pierce, Fla. Fresh citrus fruits. 424,040; Sept. 17. Class 46.

Penney, J. C., Company: *See*—
Hillcrest Silk Mills.

Permetch Company, The, Wichita, Kans. Metal etching inks. 424,081; Sept. 17. Class 11.

Perry Bottling Company, Perry, Iowa. Non-alcoholic maltless beverage. 423,967; Sept. 17; Serial No. 492,579; published July 2, 1946. Class 45.

Piltzer Bros.: *See*—
Piltzer, Morris.

Piltzer, Morris, doing business as Piltzer Bros., Los Angeles, Calif. Certain desk pads and desk files. 215,194; renewed July 13, 1946. O. G. Sept. 17. Class 37.

Pipe Couplings, Inc., New York, N. Y. Flexible gaskets. 424,020; Sept. 17; Serial No. 495,624; published July 2, 1946. Class 35.

Pittsburg Water Heater Company, to The Pittsburg Water Heater Corporation, Pittsburgh, Pa. Gas hot-water heaters and gas hot-water-storage systems. 214,104; renewed June 15, 1946. O. G. Sept. 17. Class 34.

Pittsburg Water Heater Corporation, The: *See*—
Pittsburg Water Heater Company.

Planters Nut and Chocolate Company: *See*—
Planters Nut & Chocolate Company, The.

Planters Nut & Chocolate Company, The, Wilkes-Barre, Pa., and Suffolk, Va., to Planters Nut and Chocolate Company, Wilkes-Barre, Pa. Chocolate bars. 216,016; renewed Aug. 3, 1946. O. G. Sept. 17. Class 46.

Plymouth Cordage Company, Plymouth, to Plymouth Cordage Company, North Plymouth, Mass. Ropes, yarns, twines, and cords. 56,622; re-renewed Oct. 9, 1946. O. G. Sept. 17. Class 7.

Polaroid Corporation, Cambridge, Mass. Publications. 423,934; Sept. 17; Serial No. 491,505; published June 25, 1946. Class 38.

Polte, Ellie: *See*—
Kriete, Rudolf.

Polycraft, Inc., New York, N. Y. Notebooks, pads, diaries, etc. 423,946; Sept. 17; Serial No. 490,852; published July 2, 1946. Class 37.

Pratt, B. G., Company, New York, N. Y., to B. G. Pratt Company, Hackensack, N. J. Insecticides. 54,343; re-renewed June 26, 1946. O. G. Sept. 17. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 423,995; Sept. 17; Serial No. 494,116; published June 11, 1946. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 423,996; Sept. 17; Serial No. 494,118; published June 11, 1946. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 423,997; Sept. 17; Serial No. 494,120; published June 11, 1946. Class 4.

Public National Bank and Trust Company of New York, The, New York, N. Y. Check-books. 424,043; Sept. 17. Class 37.

Pupke, Henry F.: *See*—
Halpern, Irving.

Quackenbush Company: *See*—
Allied Stores Corporation.

Redlands Cooperative Fruit Association: *See*—
Redlands Co-Operative Fruit Association.

Redlands Co-Operative Fruit Association, to Redlands Cooperative Fruit Association, Redlands, Calif. Fresh citrous fruits. 219,741; renewed Oct. 26, 1946. O. G. Sept. 17. Class 46.

Redlands Co-Operative Fruit Association, to Redlands Cooperative Fruit Association, Redlands, Calif. Fresh citrous fruits. 217,946; renewed Sept. 14, 1946. O. G. Sept. 17. Class 46.

Refined Syrups & Sugars Inc., Yonkers, N. Y. Cane syrup. 424,058; Sept. 17. Class 46.

Reichard-Coulston, Inc., New York, N. Y. Dry earth pigments. 215,976; renewed Aug. 3, 1946. O. G. Sept. 17. Class 16.

Reichard-Coulston, Inc., New York, N. Y. Dry earth pigments. 216,131; renewed Aug. 3, 1946. O. G. Sept. 17. Class 16.

Reichard-Coulston, Inc., New York, N. Y. Earth pigments. 219,230; renewed Oct. 12, 1946. O. G. Sept. 17. Class 6.

Reichard-Coulston, Inc., New York, N. Y. Earth pigments. 219,233–34; renewed Oct. 12, 1946. O. G. Sept. 17. Class 6.

Reichman, Henry H., doing business as Oz Laboratories, New York, N. Y. Packaged prepared desserts. 423,951; Sept. 17; Serial No. 491,286; published July 2, 1946. Class 46.

Revoc, Inc., New York, N. Y. Cigarette and cigar holders, pipe cleaners, pipes, and pipe racks. 423,936; Sept. 17; Serial No. 488,370; published July 2, 1946. Class 8.

Revoc, Inc., doing business as Cover Girl, New York, N. Y. Dolls, games, toy paint books, etc. 423,937; Sept. 17; Serial No. 488,372; published July 2, 1946. Class 22.

Reynolds Brothers, Niagara Falls, N. Y., and Senoia, Ga. Food products. 424,032; Sept. 17; Serial No. 496,519; published July 2, 1946. Class 46.

Rhoads, J. E., & Sons, Philadelphia, Pa., and Wilmington, Del., to J. E. Rhoads & Sons, Philadelphia, Pa. Leather belting and packing. 56,567; re-renewed Oct. 9, 1946. O. G. Sept. 17. Class 35.

Richter, Robert A., Ephrata, Pa. Medicinal preparation. 424,106; Sept. 17. Class 6.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Sheets, sheeting, and pillowcases. 424,055; Sept. 17. Class 42.

Rockland-Rockport Lime Co. Inc.: *See*—
Rockland & Rockport Lime Corporation.

Rockland & Rockport Lime Corporation, to Rockland-Rockport Lime Co. Inc., Rockland, Maine. Hydrated lime. 216,972; renewed Aug. 24, 1946. O. G. Sept. 17. Class 12.

Rohloff, Harry H., Los Angeles, Calif. Chemical stains. 424,072; Sept. 17. Class 6.

Rosehan Company: *See*—
Hanskat, Rose.

Rosenbaum, Sam, & Sons Company, doing business as Kalamazoo Pant Company, to Kalamazoo Pant Company, Kalamazoo, Mich. Boys' trousers. 219,664; renewed Oct. 19, 1946. O. G. Sept. 17. Class 39.

Rosenberg, Gordon W., doing business as The Gordon Company, Philadelphia, Pa. Men's coats, military and industrial uniforms, sport jackets, etc. 423,974; Sept. 17; Serial No. 493,458; published June 11, 1946. Class 39.

Royal Stationery and Printing Co., Minneapolis, Minn. Papeterie. 423,941; Sept. 17; Serial No. 489,417; published June 25, 1946. Class 37.

St. Louis Shovel Co., St. Louis, Mo., to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, scoops, and spades. 54,314; re-renewed June 26, 1946. O. G. Sept. 17. Class 23.

Samdahl Drug Company: *See*—
Samdahl, Nordahl S.

Samdahl, Nordahl S., doing business as Samdahl Drug Company, Black River Falls, Wis. Ointment. 424,100; Sept. 17. Class 6.

Schenley Distillers Corporation: *See*—
Schenley Products Company.

Schenley Products Company, Jersey City, N. J., and Louisville, Ky., to Schenley Distillers Corporation, New York, N. Y. Grain alcohol (nonbeverage). 216,265; renewed Aug. 10, 1946; O. G. Sept. 17. Class 49.

Schnefel Bros. Corporation, Newark, N. J. Nail polish. 424,082; Sept. 17. Class 6.

Schultz, Michael A., Kirksville, Mo. Pile ointment. 424,057; Sept. 17. Class 6.

Schur, Leonard M., Inc., New York, N. Y. Bed rests. 424,086; Sept. 17. Class 32.

Schwarting, Julia, Hollywood, Fla. Articles of jewelry. 424,018; Sept. 17; Serial No. 495,510; published July 2, 1946. Class 28.

Sciafani, Gus: *See*—
Montaperto, Giuseppe.

Searle, G. D., & Co., Chicago, Ill. Effervescent salt. 216,912; renewed Aug. 24, 1946. O. G. Sept. 17. Class 6.

Security Liquor Company, St. Louis, Mo. Whiskey. 423,930; Sept. 17; Serial No. 485,888; published July 2, 1946. Class 49.

Sheridan, Harold J., doing business as Baird Manufacturing Company, Tulsa, Okla. Ball and seat valves. 424,118; Sept. 17. Class 23.

Shulton, Inc.: *See*—
Leigh Chemist, Inc.

Sidebotham, John, Frankfort, to John Sidebotham, Incorporated, Philadelphia, Pa. Woven tape. 215,091; renewed July 13, 1946. O. G. Sept. 17. Class 40.

Sidebotham, John, Incorporated: *See*—
Sidebotham, John.

Simonds Worden White Co., Dayton, Ohio. Knives. 424,047; Sept. 17. Class 23.

Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y. Fresh deciduous fruits. 424,03; Sept. 17; Serial No. 496,991; published July 2, 1946. Class 46.

Simplex Products Corporation, Cleveland, Ohio. Metallic piston rings and expanders therefor. 424,050; Sept. 17. Class 35.

Slovene National Benefit Society, Chicago, Ill. Periodical publication. 423,912; Sept. 17; Serial No. 477,433; published June 25, 1946. Class 38.

Smith-Alsop Paint and Varnish Company, The, Terre Haute, Ind. Gloss varnish. 424,052; Sept. 17. Class 16.

Smith and Smith: *See*—
Tittle, Violet.

Socony-Vacuum Oil Company, Incorporated: *See*—
Vacuum Oil Company.

Soil-Off Manufacturing Co., Glendale, Calif. Non-inflammable liquid paint cleaner. 423,956; Sept. 17; Serial No. 492,004; published June 11, 1946. Class 4.

Solar Aircraft Company, San Diego, Calif. Aircraft heaters. 423,922; Sept. 17; Serial No. 482,510; published July 2, 1946. Class 34.

Southern Comfort Corporation, St. Louis, Mo. Liqueur. 423,955; Sept. 17; Serial No. 491,891; published July 2, 1946. Class 49.

Spiegel, Inc., Chicago, Ill. Linoleum. 423,962; Sept. 17; Serial No. 492,288; published July 2, 1946. Class 20.

Sponge Rubber Products Company, The, Shelton, Conn. Material used as cushioning supports and fillers. 424,021; Sept. 17; Serial No. 495,767; published July 2, 1946. Class 32.

Sportgems, Inc., New York, N. Y. Women's and misses' outer skirts, jackets, suits, etc. 424,019; Sept. 17; Serial No. 495,520; published June 11, 1946. Class 39.

Squire Dingee Company, Chicago, Ill. Pickles. 215,089; renewed July 13, 1946. O. G. Sept. 17. Class 46.

Staedtler, J. S., Inc., New York, N. Y. Lead pencils. 217,377; renewed Aug. 31, 1946. O. G. Sept. 17. Class 37.

Staedtler, J. S., Inc., New York, N. Y. Lead pencils. 218,744; renewed Oct. 5, 1946. O. G. Sept. 17. Class 37.

Staley, A. E., Manufacturing Company: *See*—
Staley, Augustus E.

Staley, Augustus E., Baltimore, Md., to A. E. Staley Manufacturing Company, Decatur, Ill. Corn-starch. 55,578; re-renewed Aug. 14, 1946. O. G. Sept. 17. Class 46.

Standard Oil Company, Louisville, Ky. Liquid preparation for cleaning and polishing furniture, etc. 423,929; Sept. 17; Serial No. 485,663; published June 11, 1946. Class 16.

Standard Oil Company of New Jersey: *See*—
Standard Oil Company (New Jersey).

Standard Oil Company (New Jersey), Bayonne, N. J., to Standard Oil Company of New Jersey, Wilmington, Del. Certain oils and greases. 216,060; renewed Aug. 3, 1946. O. G. Sept. 17. Class 15.

Standard Steel Spring Company, Corapolis, Pa. Protectively surfaced ferrous or nonferrous metals. 423,928; Sept. 17; Serial No. 485,613; published Dec. 11, 1945. Class 14.

Stange, Wm. J., Co., Chicago, Ill. Dry soluble seasoning materials. 424,108; Sept. 17. Class 46.

Star Brush Manufacturing Co., Inc., Boston, Mass. Paint brushes. 424,000; Sept. 17; Serial No. 494,412; published July 2, 1946. Class 29.

Sternman, Irving F., New York, N. Y. Cosmetics. 424,065; Sept. 17. Class 6.

Stickles, L. D., Shoe Company, The, to La Grange Shoe Corporation, Red Wing, Minn. Leather boots and shoes. 218,064; renewed Sept. 21, 1946. O. G. Sept. 17. Class 39.

Stickles, L. D., Shoe Company, The, to La Grange Shoe Corporation, Red Wing, Minn. Leather boots and shoes. 218,156; renewed Sept. 21, 1946. O. G. Sept. 17. Class 39.

Sudbury Brass Goods Company: *See*—
Lindblad, Allan P.

Swift & Company: *See*—
Armstrong Packing Company.

Swift & Company, Chicago, Ill. Certain meats; and shortenings, and other provisions. 28,452; re-renewed June 23, 1946. O. G. Sept. 17. Class 46.

Swift & Company, Chicago, Ill. Stock feed. 214,133; renewed June 15, 1946. O. G. Sept. 17. Class 46.

Swift & Company, Chicago, Ill. Soap. 215,084; renewed July 13, 1946. O. G. Sept. 17. Class 4.

Swift & Company, Chicago, Ill. Butter, eggs, and cheese. 216,192; renewed Aug. 3, 1946. O. G. Sept. 17. Class 46.

Sylvania Electric Products Inc.: *See*—
Sylvania Products Company.

Sylvania Products Company, Emporium, Pa., to Sylvania Electric Products Inc., Salem, Mass. Radio tubes. 212,808; renewed May 11, 1946. O. G. Sept. 17. Class 21.

Tallman-McCluskey Fabrics Co., St. Louis, Mo. Wicks. 423,965; Sept. 17; Serial No. 492,404; published July 2, 1946. Class 34.

Telegraphic Cable and Radio Registrations, Inc., New York, N. Y. Trade-directory. 424,084; Sept. 17. Class 38.

Terhune, Yereance & Wolff, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 424,068; Sept. 17. Class 42.

Theilman, Milton R., Cincinnait, Ohio. Storm sash. 423,986; Sept. 17; Serial No. 493,936; published July 2, 1946. Class 12.

Theodorsen, Olav T., Oslo, Norway. Certain metallic parts. 217,122; renewed Aug. 24, 1946. O. G. Sept. 17. Class 12.

Times Publishing Company, The, Detroit, Mich. Daily newspaper. 219,611; renewed Oct. 19, 1946. O. G. Sept. 17. Class 38.

Timken-Detroit Axle Company, The, Detroit, Mich. Brakes, braking systems, and parts thereof. 219,199; renewed Oct. 12, 1946. O. G. Sept. 17. Class 19.

Tittle, Violet, Blountstown, Fla., to Smith and Smith, Mission, Tex. Hair tonic. 209,465; renewed Feb. 23, 1946. O. G. Sept. 17. Class 6.

Tripler, F R. & Co. Inc., New York, N. Y. Men's coats, vests, long pants, etc. 212,769; renewed May 11, 1946. O. G. Sept. 17. Class 39.

Tubular Woven Fabric Company, Pawtucket, R. I., to Anaconda Wire & Cable Company, New York, N. Y. Nonmetallic sheathed cables for electric circuits. 217,907; renewed Sept. 14, 1946. O. G. Sept. 17. Class 21.

Union Pencil Co., Inc., New York, N. Y. Cedar pencils. 218,842–3; renewed Oct. 5, 1946. O. G. Sept. 17. Class 37.

United Advertising Corporation, New Haven, Conn. Charcoal broilers. 423,968; Sept. 17; Serial No. 492,600; published July 2, 1946. Class 34.

United States Graphite Co., The, Saginaw, Mich. Foundry-facings. 54,026; re-renewed June 19, 1946. O. G. Sept. 17. Class 1.

United States Graphite Co., The, Saginaw, Mich. Pulverized graphite. 54,454; re-renewed June 26, 1946. O. G. Sept. 17. Class 1.

United States Graphite Co., The, Saginaw, Mich. Plumbago (or graphite) axle-grease. 54,647; re-renewed June 26, 1946. O. G. Sept. 17. Class 15.

United States Graphite Co., The, Saginaw, Mich. Lubricating-graphite. 55,468; re-renewed Aug. 14, 1946. O. G. Sept. 17. Class 15.

United States Time Corporation, The, Waterbury, Conn. Watches and clocks. 423,939; Sept. 17; Serial No. 488,877; published July 2, 1946. Class 27.

Upland Heights Orange Association, Upland, Calif. Fresh citrous fruits. 219,543; renewed Oct. 19, 1946. O. G. Sept. 17. Class 46.

Vacuum Oil Company, Rochester, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oils and lubricants of all kinds. 28,936–7; re-renewed Oct. 6, 1946. O. G. Sept. 17. Class 15.

Vagim, James G., doing business as Vagim Packing Co., Fresno, Calif. Dried fruits. 424,127; Sept. 17. Class 46.

Vagim Packing Co.: *See*—
Vagim, James G.

Vita-Var Corporation, Newark, N. J. Varnish type coating. 424,056; Sept. 17. Class 16.

Vogue Rubber Company: *See*—
Hower, Harry C.

Wallace, Mary, Food Specialties: *See*—
Wallace, Mary P.

Wallace, Mary P., doing business as Mary Wallace Food Specialties, Newport, Ky. Fruit cake. 423,925; Sept. 17; Serial No. 483,641; published June 25, 1946. Class 46.

Warren Featherbone Co., The, Three Oaks, Mich. Rayon and silk ribbons, metallic ribbon, and wide elastic. 424,039; Sept. 17. Class 42.

Warren, Northam, Corporation, Stamford, Conn. Preparation for dressing and improving the appearance of the hair. 424,079; Sept. 17. Class 6.

Wason Bros. Co., Seattle, Wash. White table syrup. 424,102; Sept. 17. Class 46.

Weissberg, Harry E., Los Angeles, Calif. House and camp trailers. 423,931; Sept. 17; Serial No. 486,838; published July 2, 1946. Class 19.

Wesley & Winter, Inc., Newark, to Wesley & Winter, Inc., Linden, N. J. Writing paper and mailing envelopes. 217,736; renewed Sept. 7, 1946. O. G. Sept. 17. Class 37.

West Foods: *See*—
West Mushroom Company.

West Mushroom Company, also doing business as West Foods, Salem, Oreg. Canned mushrooms. 424,037; Sept. 17; Serial No. 497,639; published July 2, 1946. Class 46.

Western Trail Company, Portland, Oreg. Lawn and party room furniture. 423,938; Sept. 17; Serial No. 488,631; published July 2, 1946. Class 32.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Resinous compositions for insulating electrical apparatus. 424,101; Sept. 17. Class 21.

Wheeler Paper Corporation, Albany, N. Y. Paper towels. 423,976; Sept. 17; Serial No. 493,523; published July 2, 1946. Class 37.

White, H. N., Company, The, Cleveland, Ohio. Band instruments. 217,580; renewed Sept. 7, 1946. O. G. Sept. 17. Class 36.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental instruments. 212,260; renewed Apr. 27, 1946. O. G. Sept. 17. Class 44.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental cement. 212,261; renewed Apr. 27, 1946. O. G. Sept. 17. Class 44.

Wiehle Soap Company, The, Ironton, Ohio, to American Safety Razor Corporation, Brooklyn, N. Y. Bar-soap. 54,421; re-renewed June 26, 1946. O. G. Sept. 17. Class 4.

Wilson Cabinet Company, Smyrna, Del. Milk coolers. 424,132; Sept. 17. Class 31.

Winterbottom Book Cloth Company, Limited, The, Manchester, England. Tracing cloth. 214,208; renewed June 15, 1946. O. G. Sept. 17. Class 37.

Winthrop Mills, Winthrop, Maine. Woolen fabrics in the piece. 424,105; Sept. 17. Class 42.

Wolverine Manufacturing Company, Berrien Springs, Mich. Toy wagons, toy sleds, etc. 424,023; Sept. 17; Serial No. 495,926; published July 2, 1946. Class 22.

Woolcott Milling Company, Harrisburg, Ill. Self-rising flour and wheat flour. 424,053; Sept. 17. Class 46.

Wright & Hughson, to Kalender Bros., Dinuba, Calif. Fresh grapes. 211,473; renewed Apr. 13, 1946. O. G. Sept. 17. Class 46.

Young, Paul O., Philadelphia, Pa. Hand trucks, dollies, and the like. 424,126; Sept. 17. Class 19.

Zeman, Otto, Chicago, Ill. Spectacles, eyeglasses, goggles, etc. 211,906; renewed Apr. 20, 1946. O. G. Sept. 17. Class 26.

Zürcher Papierfabrik an der Sihl, Zurich, Switzerland. Certain kinds of paper, and card-board. 213,049; renewed May 18, 1946. O. G. Sept. 17. Class 37.

Zürcher Papierfabrik an der Sihl, Zurich, Switzerland. Certain kinds of paper. 216,279; renewed Aug. 10, 1946. O. G. Sept. 17. Class 37.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Blue Diamond Coal Company. 424,093; Sept. 17.

Foundry-facings. United States Graphite Co. 54,026; re-renewed June 19, 1946. O. G. Sept. 17.

Graphite, Pulverized. United States Graphite Co. 54,454; re-renewed June 26, 1946. O. G. Sept. 17.

Kid, Glazed. G. H. McNeely & Co. 28,734; re-renewed Aug. 11, 1946. O. G. Sept. 17.

CLASS 2

Cartons and parts thereof, Cardboard, paper, and pasteboard. Continental Can Company, Inc. 424,059; Sept. 17.

Cases, Packing and shipping. Dade Brothers, Inc. 423,924; Sept. 17; Serial No. 483,134; published June 25, 1946.

Dispensers, Pressure adhesive tape. Freydberg Bros.-Strauss, Inc. 424,026–7; Sept. 17; Serial Nos. 496,230–1; published July 2, 1946.

Pots, Infants' transparent plastic. Agate Plastics Corporation. 424,099; Sept. 17.

Vats. Rodney Hunt Machine Company. 424,064; Sept. 17.

CLASS 3

Billfolds. Nash Incorporated. 424,036; Sept. 17; Serial No. 497,556; published June 25, 1946.

Handbags. H. Meyers. 424,104; Sept. 17.

CLASS 4

Bar-soap. Wiehle Soap Company. 54,421; re-renewed June 26, 1946. O. G. Sept. 17.

Cleaner, cleanser and detergent, Sudsing. Procter & Gamble Company. 423,995; Sept. 17; Serial No. 494,116; published June 11, 1946.

Cleaner, cleanser and detergent, Sudsing. Procter & Gable Company. 423,996; Sept. 17; Serial No. 494,118; published June 11, 1946.

Cleaner, cleanser and detergent, Sudsing. Procter & Gamble Company. 423,997; Sept. 17; Serial No. 494,120; published June 11, 1946.

Cleaner, Non-inflammable liquid paint. Soil-Off Manufacturing Co. 423,956; Sept. 17; Serial No. 492,004; published June 11, 1946.

Cleansing preparation. Beach Soap Company. 423,933; Sept. 17; Serial No. 487,697; published June 11, 1946.

Compound in liquid form for cleaning rugs, carpets, upsolstery, etc. E. M. Goens. 423,919; Sept. 17; Serial No. 481,538; published June 11, 1946.

Cream and toilet soap, Shaving. Middlebrooke Lancaster, Inc. 424,095; Sept. 17.

Detergent, Alkaline. Don Baxter, Inc. 423,911; Sept. 17; Serial No. 470,909; published June 11, 1946.

Floor sweeping compounds. K. P. Marien. 423,948; Sept. 17; Serial No. 491,105; published June 11, 1946.

Glycerin-soap. Mülhens & Kropff. 51,386; re-renewed Apr. 17, 1946. O. G. Sept. 17.

Paste, Water soluble. W. G. Harrison. 423,952; Sept. 17; Serial No. 491,409; published June 11, 1946.

Soap. Du Bois Company. 423,913; Sept. 17; Serial No. 477,872; published June 11, 1946.

Soap. Fels & Company. 56,841; re-renewed Oct. 23, 1946. O. G. Sept. 17.

Soap. Lever Brothers Company. 219,185; renewed Oct. 12, 1946. O. G. Sept. 17.

Soap. Swift & Company. 215,084; renewed July 13, 1946. O. G. Sept. 17.

Soaps, Toilet. Myrurgia, S. A. 424,063; Sept. 17.

CLASS 6

Absorbents and hygroscopic salts, etc., Compositions of inert mineral. Great Lakes Carbon Corporation. 424,098; Sept. 17.

Chemical preparation. Chemical Products Corporation. 206,654; renewed Dec. 8, 1945. O. G. Sept. 17.

Chemical stains. H. H. Rohloff. 424,072; Sept. 17.

Coating material, Plastic. Nox-Rust Corporation. 424,044; Sept. 17.

Cosmetics. I. F. Sternman. 424,065; Sept. 17.
Cream, Massage. Leigh Chemist, Inc. 219,508; renewed Oct. 19, 1946. O. G. Sept. 17.
Creams, Face. Leigh Chemist, Inc. 219,671; renewed Oct. 19, 1946. O. G. Sept. 17.
Dyes. I. Halpern. 216,956; renewed Aug. 24, 1946. O. G. Sept. 17.
Eau de cologne, perfumery; aromatic oil; etc. Barnängens Tekniska Fabrikers Aktiebolag. 205,502; renewed Nov. 10, 1945. O. G. Sept. 17.
Insecticides. B. G. Pratt Company. 54,343; re-renewed June 26, 1946. O. G. Sept. 17.
Lotion, Cleansing. W. S. La Rue. 424,048; Sept. 17.
Lotion, Hand. G. Barr & Company. 424,094; Sept. 17.
Lotion, Skin. Alf Engen Company. 424,111; Sept. 17.
Medicinal preparation. R. A. Richter. 424,106; Sept. 17.
Medicinal preparation, Certain. Davis and Lawrence Co. 54,100; re-renewed June 19, 1946. O. G. Sept. 17.
Nail polish. Schnefel Bros. Corporation. 424,082; Sept. 17.
Ointment. N. S. Samdahl. 424,100; Sept. 17.
Ointment, Pile. M. A. Schultz. 424,057; Sept. 17.
Perfume preparation for the bath. G. T. Gibson. 219,969; renewed Oct. 19, 1946. O. G. Sept. 17.
Perfume, toilet water, brilliantine, etc. Caron Corporation. 218,293; renewed Sept. 21, 1946. O. G. Sept. 17.
Perfumes, colognes, sachet powders, etc. C. A. Morrison. 424,130; Sept. 17.
Pigments, Earth. Reichard-Coulston, Inc. 219,230; renewed Oct. 12, 1946. O. G. Sept. 17.
Pigments, Earth. Reichard-Coulston, Inc. 219,233–4; renewed Oct. 12, 1946. O. G. Sept. 17.
Plant hormones, Synthetic. American Cyanamid & Chemical Corporation. 424,070; Sept. 17.
Powder, Liquid adhesive toilet. M. M. R. Vve. Grenoville. 177,048; renewed Dec. 11, 1943. O. G. Sept. 17.
Preparation for dressing and improving the appearance of the hair. Northam Warren Corporation. 424,079; Sept. 17.
Salt, Effervescent. G. D. Searle & Co. 216,912; renewed Aug. 24, 1946. O. G. Sept. 17.
Sodium ascorbate. Van Patten Pharmaceutical Co. 424,083; Sept. 17.
Starch and bluing concentrate, Combination. Nu-Starch, Inc. 424,122; Sept. 17.
Tonic, Hair. F. W. Fitch Company. 218,007; renewed Sept. 14, 1946. O. G. Sept. 17.
Tonic, Hair. V. Tittie. 209,465; renewed Feb. 23, 1946. O. G. Sept. 17.

CLASS 7

Ropes, yarns, twines, and cords. Plymouth Cordage Company. 56,622; re-renewed Oct. 9, 1946. O. G. Sept. 17.

CLASS 8

Holders, and tobacco pouches, Pipes, cigar and cigarette. Hargold Associates, Inc. 423,977–78; Sept. 17; Serial Nos. 493,555–6; published July 2, 1946.
Holders, pipe cleaners, pipes, and pipe racks, Cigarette and cigar. Revoc, Inc. 423,936; Sept. 17; Serial No. 488,370; published July 2, 1946.

CLASS 9

Fuses. Climax Fuse Co. 56,489; re-renewed Oct. 2, 1946. O. G. Sept. 17.
Matches. Mukamal Company. 423,959; Sept. 17; Serial No. 492,077; published June 11, 1946.
Safety-fuse for exploding gunpowder and other explosives. Climax Fuse Co. 56,488; re-renewed Oct. 2, 1946. O. G. Sept. 17.

CLASS 11

Inks, Metal etching. Permetch Company. 424,081; Sept. 17.

CLASS 12

Asphalt. Bell Oil and Refining Co. 423,953; Sept. 17; Serial No. 491,453; published July 2, 1946.
Blocks, Concrete. Basalt Rock Company, Inc. 424,014; Sept. 17; Serial No. 495,355; published July 2, 1946.
Brick and tile. Los Angeles Pressed Brick Co. 219,041; renewed Oct. 12, 1946. O. G. Sept. 17.
Bricks and refractory shapes, Fire. Acme Brick Company. 424,124; Sept. 17.
Coatings, Liquid or liquefiable bituminous. Barrett Company. 218,363; renewed Sept. 28, 1946. O. G. Sept. 17.
Lime, Hydrated. Rockland & Rockport Lime Corporation. 216,972; renewed Aug. 24, 1946. O. G. Sept. 17.
Material for the curing of concrete. Johnson-March Corporation. 424,040; Sept. 17.
Metallic parts, Certain. O. T. Theodorsen. 217,122; renewed Aug. 24, 1946. O. G. Sept. 17.
Plaster. Beaver Products Company, Inc. 213,041; renewed May 18, 1946. O. G. Sept. 17.
Plywood. Commonwealth Plywood Company Limited. 424,029; Sept. 17; Serial No. 496,430; published July 2, 1946.
Resin material, Synthetic. B. F. Goodrich Company. 423,991; Sept. 17; Serial No. 494,060; published July 2, 1946.
Sash, Storm. M. R. Theilman. 423,986; Sept. 17; Serial No. 493,936; published July 2, 1946.
Shingle of asphalt roofing material. Certain-teed Products Corporation. 424,042; Sept. 17.
Skylights, skylight lifts, and built-in roof ventilators. Park City Cornice Works, Incorporated. 216,432; renewed Aug. 10, 1946. O. G. Sept. 17.
Tiles, Floor. David E. Kennedy Inc. 424,034; Sept. 17; Serial No. 497,250; published July 2, 1946.
Trellises, lawn trellises, arbors, etc., Corner. Habitant Shops, Inc. 424,031; Sept. 17; Serial No. 496,506; published July 2, 1946.

CLASS 13

Rivets. Low Moor Company Limited. 51,189; re-renewed Mar. 20, 1946. O. G. Sept. 17.

CLASS 14

Alloy, Nickel-copper. International Nickel Company, Inc. 423,981; Sept. 17; Serial No. 493,685; published June 4, 1946.
Alloys and castings, Aluminum. Frontier Bronze Corporation. 423,963; Sept. 17; Serial No. 492,319; published June 18, 1946.
Bars, rods, sheets, etc., Iron. Low Moor Company Limited. 51,242; re-renewed Apr. 10, 1946. O. G. Sept. 17.
Bronze shapes; forgings; ingots, castings; etc., Wrought. Ampco Metal, Inc. 423,957; Sept. 17; Serial No. 492,019; published June 11, 1946.
Castings, Metal. Austenal Laboratories, Incorporated. 423,935; Sept. 17; Serial No. 488,307; published June 4, 1946.
Ferro-alloy. Haynes Stellite Company. 423,980; Sept. 17; Serial No. 493,683; published June 11, 1946.
Forgings, Steel. Heppenstall Company. 423,920–1; Sept. 17; Serial Nos. 481,703–04; published June 11, 1946.
Ingots and castings of lead alloys. National Lead Company. 423,918; Sept. 17; Serial No. 481,190; published June 18, 1946.
Metals and their alloys, Sheets, wire tubing, and solders, all of. D. E. Makepeace Company. 424,049; Sept. 17.
Metals, Protectively surfaced ferrous or nonferrous. Standard Steel Spring Company. 423,928; Sept. 17; Serial No. 485,613; published Dec. 11, 1945.
Rods, Welding. Callite Tungsten Corporation. 423,942; Sept. 17; Serial No. 489,438; published June 11, 1946.
Steel and steel alloy metal rods, sheets, and bars. Merrill & Usher Company. 423,964; Sept. 17; Serial No. 492,388; published June 18, 1946.

CLASS 15

Axle-grease, Plumbago (or graphite). United States Graphite Co. 54,647; re-renewed June 26, 1946. O. G. Sept. 17.
Lubricating-graphite. United States Graphite Co. 55,468; re-renewed Aug. 14, 1946. O. G. Sept. 17.
Oils and greases, Certain. Standard Oil Company (New Jersey). 216,060; renewed Aug. 3, 1946. O. G. Sept. 17.
Oils and lubricants of all kinds. Vacuum Oil Company. 28,936–7; re-renewed Oct. 6, 1946. O. G. Sept. 17.

CLASS 16

Liquid preparation for cleaning and polishing furniture, etc. Standard Oil Company. 423,929; Sept. 17; Serial No. 485,663; published June 11, 1946.
Paints and paint enamels, paint colors, etc., Ready-mixed. Atlas Powder Company. 423,914; Sept. 17; Serial No. 478,800; published June 11, 1946.
Paints and painters' materials, Certain. Murphy Varnish Company. 218,941; renewed Oct. 5, 1946. O. G. Sept. 17.
Paints, paint enamels, varnishes, etc., Ready-mixed. Ellis Paint Company. 424,116; Sept. 17.
Pigments, Dry earth. Reichard-Coulston, Inc. 215,976; renewed Aug. 3, 1946. O. G. Sept. 17.
Pigments, Dry earth. Reichard-Coulston, Inc. 216,131; renewed Aug. 3, 1946. O. G. Sept. 17.
Varnish, Gloss. Smith-Alsop Paint and Varnish Company. 424,052; Sept. 17.
Varnish type coating. Vita-Var Corporation. 424,056; Sept. 17.
Wax, paint remover preparation, self-polishing floor wax, etc., Automobile polishing. Durite Corporation. 423,950; Sept. 17; Serial No. 491,249; published June 4, 1946.
Wax, Surface polishing. F. B. Nobrega. 423,947; Sept. 17; Serial No. 491,023; published June 18, 1946.

CLASS 17

Cigarettes. International Cigarette Co. 423,988; Sept. 17; Serial No. 493,967; published June 25, 1946.
Cigarettes and cigars. Consolidated Cosmetics. 423,973; Sept. 17; Serial No. 493,327; published July 2, 1946.
Cigarettes and tobacco for cigarettes. Nestor Gianaclis Company. 54,790; re-renewed July 31, 1946. O. G. Sept. 17.

CLASS 19

Automobiles, buses, motor vans, etc. Jaguar Cars Limited. 423,961; Sept. 17; Serial No. 492,201; published July 2, 1946.

Boats, Small. Hughes Tool Company. 423,966; Sept. 17; Serial No. 492,441; published July 2, 1946.
Brakes, braking systems, and parts thereof. Timken-Detroit Axle Company. 219,199; renewed Oct. 12, 1946. O. G. Sept. 17.
Propellers, Boat. Paul Bunyan Bait Company. 424,119; Sept. 17.
Trailers, House and camp. H. E. Weissberg. 423,931; Sept. 17; Serial No. 486,838; published July 2, 1946.
Tricycle, Child's. W. B. Fageol. 424,002; Sept. 17; Serial No. 494,546; published July 2, 1946.
Trucks, dollies, and the like, Hand. P. O. Young. 424,126; Sept. 17.

CLASS 20

Linoleum. Spiegel, Inc. 423,962; Sept. 17; Serial No. 492,288; published July 2, 1946.

CLASS 21

Arresters and parts thereof, Lightning. L. S. Brach Manufacturing Co. 217,568; renewed Sept. 7, 1946. O. G. Sept. 17.
Batteries, Storage. D. B. Migell. 424,120; Sept. 17.
Cables for electric circuits, Nonmetallic sheathed. Tubular Woven Fabric Company. 217,907; renewed Sept. 14, 1946. O. G. Sept. 17.
Electric condensers, transformer coils, and resistances. John E. Fast & Co. 424,045; Sept. 17.
Heaters; and electric soldering irons and sheathed electric heating units, Certain electric. General Electric Company. 216,410; renewed Aug. 10, 1946. O. G. Sept. 17.
Insulated, internally threaded connection members. Ideal Commutator Dresser Company. 424,062; Sept. 17.
Radio receiving sets. L. D. Crouch. 211,901; renewed Apr. 20, 1946. O. G. Sept. 17.
Radio tubes. Sylvania Products Company. 212,808; renewed May 11, 1946. O. G. Sept. 17.
Resinous composition for insulating electrical apparatus. Westinghouse Electric Corporation. 424,101; Sept. 17.
Switches and parts thereof and mountings and inclosures therefor, Electric. D. & W. Fuse Co. 52,844; re-renewed May 22, 1946. O. G. Sept. 17.

CLASS 22

Dolls. E. Cannon. 424,012; Sept. 17; Serial No. 495,214; published July 2, 1946.
Dolls, games, toy paint books, etc. Revoc, Inc. 423,937; Sept. 17; Serial No. 488,372; published July 2, 1946.
Fish lures. R. W. Berry. 424,015–16; Sept. 17; Serial Nos. 495,360–1; published July 2, 1946.
Swivels, snaps, baits, etc. Art Wire and Stamping Company. 424,110; Sept. 17.
Toy children's lunch boxes, toy dishes, toy trays, etc. Ohio Art Co. 424,051; Sept. 17.
Toy dolls. J. L. Kallus. 424,025; Sept. 17; Serial No. 496,084; published July 2, 1946.
Toy wagons, toy sleds, etc. Wolverine Manufacturing Company. 424,023; Sept. 17; Serial No. 495,926; published July 2, 1946.

CLASS 23

Cigar-making machinery and parts thereof. International Cigar Machinery Company. 216,300; renewed Aug. 10, 1946. O. G. Sept. 17.
Knives. Simonds Worden White Co. 424,047; Sept. 17.
Lathes. National-Acme Manufacturing Company. 49,597; re-renewed Feb. 13, 1946. O. G. Sept. 17.
Razors and razor blades. Kampfe Bros. 56,186; re-renewed Aug. 28, 1946. O. G. Sept. 17.
Razors, Safety. American Safety Razor Corporation. 214,072; renewed June 15, 1946. O. G. Sept. 17.
Razors, Safety. Gem Safety Razor Corporation. 216,268; renewed Aug. 10, 1946. O. G. Sept. 17.
Safety-razor blades. Gillette Safety Razor Company. 216,569; renewed Aug. 17, 1946. O. G. Sept. 17.
Scissors and shears. Acme Shear Company. 218,767; renewed Oct. 5, 1946. O. G. Sept. 17.
Shovels, scoops, and spades. St. Louis Shovel Co. 54,314; re-renewed June 26, 1946. O. G. Sept. 17.
Sprayers and parts thereof, Portable and hand-operated. Hudson Mfg. Company. 218,856–8; renewed Oct. 5, 1946. O. G. Sept. 17.
Sprayers and parts thereof, Portable and hand-operated. Hudson Mfg. Company. 218,966; renewed Oct. 5, 1946. O. G. Sept. 17.
Tool posts, Turret. R. L. Beekman. 424,115; Sept. 17.
Tools. F. F. Gilmore & Co., Inc. 424,074; Sept. 17.
Valves, Ball and seat. H. J. Sheridan. 424,118; Sept. 17.

CLASS 24

Washing machines, Garment. Allied Stores Corporation. 423,982; Sept. 17; Serial No. 493,711; published July 2, 1946.
Washing machines, Garment. Allied Stores Corporation. 423,983; Sept. 17; Serial No. 493,713; published July 2, 1946.

CLASS 25

Locks. C. L. Gougler Keyless Lock Company. 424,030; Sept. 17; Serial No. 496,505; published July 2, 1946.
Safes. Herring-Hall-Marvin Safe Company. 52,827; re-renewed May 22, 1946. O. G. Sept. 17.
Safes. Herring-Hall-Marvin Safe Company. 54,280; re-renewed June 26, 1946. O. G. Sept. 17.
Safes. Herring-Hall-Marvin Safe Company. 56,278–9; re-renewed Sept. 4, 1946. O. G. Sept. 17.
Safes. Herring-Hall-Marvin Safe Company. 56,287; re-renewed Sept. 4, 1946. O. G. Sept. 17.

CLASS 26

Spectacles, eyeglasses, goggles, etc. O. Zeman. 211,906; renewed Apr. 20, 1946. O. G. Sept. 17.

CLASS 27

Watch movements and watchcases. Illinois Watch Case Company. 211,955–61; renewed Apr. 20, 1946. O. G. Sept. 17.
Watches and clocks. United States Time Corporation. 423,939; Sept. 17; Serial No. 488,877; published July 2, 1946.

CLASS 28

Jewelry, China Overseas. 423,999; Sept. 17; Serial No. 494,259; published July 2, 1946.
Jewelry, Articles of. J. Schwarting. 424,018; Sept. 17; Serial No. 495,510; published July 2, 1946.
Jewelry, brooches, and fancy lighters, Custom made. Halgreen, Inc. 424,075; Sept. 17.
Rings, Finger. J. Berlinger. 219,295; renewed Oct. 12, 1946. O. G. Sept. 17.
Rosaries. W. J. Gilooly. 424,005; Sept. 17; Serial No. 494,672; published July 2, 1946.
Silverware. Ellmore Silver Company, Inc. 424,024; Sept. 17; Serial No. 495,961; published July 2, 1946.

CLASS 29

Applicator for applying shoe polish, leg make-up, saddle soap and the like. Morrison-Atlas Products. 424,078; Sept. 17.
Brushes, Paint. Star Brush Manufacturing Co. Inc. 424,000; Sept. 17; Serial No. 494,412; published July 2, 1946.
Toothbrushes. New York Merchandise Co., Inc. 424,087; Sept. 17.

CLASS 30

Pottery, earthenware, and china. Doulton & Company Limited. 215,854–5; renewed July 27, 1946. O. G. Sept. 17.
Pottery, earthenware, and china. Doulton & Company Limited. 216,872; renewed Aug. 24, 1946. O. G. Sept. 17.

CLASS 31

Coolers, Milk. Wilson Cabinet Company. 424,132; Sept. 17.
Filtering apparatus. Hilliard Corporation. 423,998; Sept. 17; Serial No. 494,218; published July 2, 1946.

CLASS 32

Bed rests. Leonard M. Schur, Inc. 424,086; Sept. 17.
Chairs, settees, tables, etc., Rustic. Old Hickory Chair Co. 51,685; re-renewed Apr. 24, 1946. O. G. Sept. 17.
Furniture, Lawn and party room. Western Trail Company. 423,938; Sept. 17; Serial No. 488,631; published July 2, 1946.
Mattresses. Colorado Bedding Co. 53,139; re-renewed May 29, 1946. O. G. Sept. 17.
Racks, Wearing apparel and accessory. Hollander-Craft. 424,006; Sept. 17; Serial No. 494,679; published July 2, 1946.
Springs, Bed. Kinney-Rome Company. 218,252; renewed Sept. 21, 1946. O. G. Sept. 17.
Springs, Bed. Kinney Rome Company. 218,729; renewed Oct. 5, 1946. O. G. Sept. 17.
Supports and fillers, Material used as cushioning. Sponge Rubber Products Company. 424,021; Sept. 17; Serial No. 495,767; published July 2, 1946.

CLASS 33

Glass, Sheet. Libbey-Owens-Ford Glass Company. 424,041; Sept. 17.

CLASS 34

Air conditioners, air conditioning equipment and parts thereof, etc. F. Jaden Manufacturing Co. Inc. 424,080; Sept. 17.
Broilers, Charcoal. United Advertising Corporation. 423,968; Sept. 17; Serial No. 492,600; published July 2, 1946.
Candle burners, Metallic. A. P. Lindblad. 424,129; Sept. 17.
Heaters, Aircraft. Solar Aircraft Company. 423,922; Sept. 17; Serial No. 482,510; published July 2, 1946.
Heaters and gas hot-water-storage systems, Gas hot-water. Pittsburg Water Heater Company. 214,104; renewed June 15, 1946. O. G. Sept. 17.
Lighters, Pyrophoric. Knoepfler Bros., Inc. 423,970; Sept. 17; Serial No. 493,066; published July 2, 1946.
Lighters, Pyrophoric cigar, cigarette, and pipe. Branston Company, Inc. 424,096; Sept. 17.

Lighters, Pyrophoric cigarette. C. Buenger. 424,038; Sept. 17; Serial No. 497,991; published July 2, 1946.
Lighters, Pyrophoric cigarette. Park Sherman Co., Inc. 423,960; Sept. 17; Serial No. 492,082; published July 2, 1946.
Wicks. Tallman-McCluskey Fabrics Co. 423,965; Sept. 17; Serial No. 492,404; published July 2, 1946.

CLASS 35

Automobile and truck tires, inner tubes, etc., Pneumatic. Gates Rubber Company. 424,054; Sept. 17.
Belting and packing, Leather. J. E. Rhoads & Sons. 56,567; re-renewed Oct. 9, 1946. O. G. Sept. 17.
Belting for power transmission. F. W. McLanathan & Son, Inc. 423,943; Sept. 17; Serial No. 489,672; published June 25, 1946.
Gaskets, Flexible. Pipe Couplings, Inc. 424,020; Sept. 17; Serial No. 495,624; published July 2, 1946.
Piston rings and expanders therefor, Metallic. Simplex Products Corporation. 424,050; Sept. 17.
Tires and inflatable inner tubes of rubber, Solid and pneumatic. Kelly-Springfield Tire Company. 216,288; renewed Aug. 10, 1946. O. G. Sept. 17.
Tires and tubes, Automobile. H. C. Hower. 212,547; renewed May 4, 1946. O. G. Sept. 17.
Washers, Faucet. C. F. Fause. 423,934; Sept. 17; Serial No. 488,266; published July 2, 1946.

CLASS 36

Instruments, Band. H. N. White Company. 217,580; renewed Sept. 7, 1946. O. G. Sept. 17.

CLASS 37

Check-books. Public National Bank and Trust Company of New York. 424,043; Sept. 17.
Fibre sheeting, Unwoven. Chicopee Sales Corporation. 423,917; Sept. 17; Serial No. 479,279; published June 25, 1946.
Forms, Blank order. S. E. Norcross. 424,066; Sept. 17.
Notebooks, pads, diaries, etc. Polycraft, Inc. 423,946; Sept. 17; Serial No. 490,852; published July 2, 1946.
Pads and desk files, Certain desk. M. Piltzer. 215,194; renewed July 13, 1946. O. G. Sept. 17.
Paper, and card-board, Certain kinds of. Zürcher Papierfabrik an der Sihl. 213,049; renewed May 18, 1946. O. G. Sept. 17.
Paper and mailing envelopes, Writing. Wesley & Winter, Inc. 217,736; renewed Sept. 7, 1946. O. G. Sept. 17.
Paper, Certain kind of. Zürcher Papierfabrik an der Sihl. 216,279; renewed Aug. 10, 1946. O. G. Sept. 17.
Paper towels. Wheeler Paper Corporation. 423,976; Sept. 17; Serial No. 493,523; published July 2, 1946.
Papeterie. Royal Stationery and Printing Co. 423,941; Sept. 17; Serial No. 489,417; published June 25, 1946.
Pencils, Cedar. Union Pencil Co., Inc. 218,843–3; renewed Oct. 5, 1946. O. G. Sept. 17.
Pencils, Lead. J. S. Staedtler, Inc. 217,377; renewed Aug. 31, 1946. O. G. Sept. 17.
Pencils, Lead. J. S. Staedtler, Inc. 218,744; renewed Oct. 5, 1946. O. G. Sept. 17.
Pens, fountain pens and parts thereof, mechanical pencils, etc. A. Kolber, Inc. 424,085; Sept. 17.
Tracing cloth. Winterbottom Book Cloth Company, Limited. 214,208; renewed June 15, 1946. O. G. Sept. 17.

CLASS 38

Books, Printed. Grosset & Dunlap, Inc. 423,940; Sept. 17; Serial No. 488,897; published July 2, 1946.
Column. L. B. Lambert. 424,004; Sept. 17; Serial No. 494,615; published June 25, 1946.
Daily newspaper. Times Publishing Company. 219,611; renewed Oct. 19, 1946. O. G. Sept. 17.
Magazine. Earnshaw Sales Company. 214,158; renewed June 15, 1946. O. G. Sept. 17.
Magazine, Humorous cartoon. Nutty Comics, Inc. 423,945; Sept. 17; Serial No. 490,603; published June 25, 1946.
Magazine, Section in a. Haire Publishing Company. 424,113; Sept. 17.
Printed books. Book House for Children. 219,655; renewed Oct. 19, 1946. O. G. Sept. 17.
Publication. American Brake Shoe Company. 423,923; Sept. 17; Serial No. 482,664; published July 2, 1946.
Publication, Periodical. Catholic Foreign Mission Society of America, Inc. 423,958; Sept. 17; Serial No. 492,031; published July 2, 1946.
Publication, Periodical. Slovene National Benefit Society. 423,912; Sept. 17; Serial No. 477,433; published June 25, 1946.
Publications. Polaroid Corporation. 423,954; Sept. 17; Serial No. 491,505; published June 25, 1946.
Section of a publication. Linden Hill Corporation. 423,916; Sept. 17; Serial No. 479,244; published June 25, 1946.
Trade-directory. Telegraphic Cable and Radio Registrations, Inc. 424,084; Sept. 17.
Trade-periodical. Section in a. Cycling Press, Inc. 424,109; Sept. 17.

CLASS 39

Blouses, Ladies'. Gross Blouse Co. 424,114; Sept. 17.
Blouses, Misses' and junior misses'. Leon Kronthal, Inc. 424,128; Sept. 17.
Boots and shoes, Leather. L. D. Stickles Shoe Company. 218,064; renewed Sept. 21, 1946. O. G. Sept. 17.
Boots and shoes, Leather. L. D. Stickles Shoes Corporation. 218,156; renewed Sept. 21, 1946. O. G. Sept. 17.
Clothing for women, girls, and misses, Certain named. C. C. Hollidge. 217,647; renewed Sept. 7, 1946. O. G. Sept. 17.
Coats, military and industrial uniforms, sport jackets, etc., Men's. G. W. Rosenberg. 423,974; Sept. 17; Serial No. 493,458; published June 11, 1946.
Coats, suits, jackets, etc., Ladies', and misses'. P. Alenikoff. 423,987; Sept. 17; Serial No. 493,940; published June 11, 1946.
Coats, vests, long pants, etc., Men's. F. R. Tripler & Co. Inc. 212,769; renewed May 11, 1946. O. G. Sept. 17.
Cravats. L. Appleton. 424,112; Sept. 17.
Dickeys and vestees. Baar & Beards, Inc. 424,060; Sept. 17.
Dresses and sportswear, Ladies' and misses'. Future Fashions, Inc. 424,001; Sept. 17; Serial No. 494,438; published June 11, 1946.
Dresses, blouses, coats, etc., Ladies', misses', and children's. M. Hausman & Sons. 423,979; Sept. 17; Serial No. 493,681; published June 11, 1946.
Dresses, blouses, playsuits, etc., Ladies', misses', and girls'. Crest Fabrics Corp. 423,926; Sept. 17; Serial No. 484,831; published June 4, 1946.
Dresses, Junior. Dartford Deb Modes Inc. 423,971; Sept. 17; Serial No. 493,104; published June 11, 1946.
Dresses, Ladies'. Epstein Garment Co., Inc. 424,123; Sept. 17.
Dresses, smocks, and brunch coats. Gerson Kaufmann Co., Inc. 423,972; Sept. 17; Serial No. 493,268; published June 18, 1946.
Hats, Ladies', misses', and juniors'. Consolidated Millinery Company. 218,124; renewed Sept. 21, 1946. O. G. Sept. 17.
Hosiery. J. L. Hudson Company. 219,852; renewed Oct. 26, 1946. O. G. Sept. 17.
Hosiery. Maywood Hosiery Mills, Inc. 423,989; Sept. 17; Serial No. 493,973; published June 18, 1946.
Hosiery. D. Michael. 424,022; Sept. 17; Serial No. 495,679; published June 18, 1946.
Hosiery. National Textile Distributers. 219,620; renewed Oct. 19, 1946. O. G. Sept. 17.
Jackets, sweaters, coats, etc. Nathan Albert & Sons. 424,013; Sept. 17; Serial No. 495,264; published June 11, 1946.
Overalls and work clothes. H. Mann. 423,985; Sept. 17; Serial No. 493,889; published June 11, 1946.
Shoes, Leather. J. Edwards & Co. 424,067; Sept. 17.
Shoes, Leather. J. Edwards & Co. 424,071; Sept. 17.
Skirts, jackets, suits, etc., Women's and misses' outer. Sportgems, Inc. 424,019; Sept. 17; Serial No. 495,520; published June 11, 1946.
Suits, raincoats, and overcoats, Men's and boys'. Goodlow Corporation. 218,070; renewed Sept. 21, 1946. O. G. Sept. 17.
Suits, topcoats, overcoats, etc., Men's. King Brooks, Inc. 424,003; Sept. 17; Serial No. 494,613; published June 11, 1946.
Topcoats, overcoats, coats, etc., for men, youths, and boys. L. Grief & Bro., Incorporated. 217,769; renewed Sept. 7, 1946. O. G. Sept. 17.
Trousers, Boys'. Sam Rosenbaum & Sons Company. 219,664; renewed Oct. 19, 1946. O. G. Sept. 17.
Undergarments, Women's. R. Hanskat. 212,231; renewed Apr. 27, 1946. O. G. Sept. 17.
Undershirts, underdrawers, and union suits, Men's. A. Natelson. 424,009; Sept. 17; Serial No. 494,917; published June 11, 1946.

CLASS 40

Combs. New York Merchandise Co., Inc. 424,061; Sept. 17.
Combs, Hair. Columbia Protektosite Co., Inc. 424,073; Sept. 17.
Tape, Woven. J. Sidebotham. 215,091; renewed July 13, 1946. O. G. Sept. 17.

CLASS 42

Cotton piece goods. Minot, Hooper & Co. 216,263; renewed Aug. 10, 1946. O. G. Sept. 17.
Cotton piece goods. Nashua Manufg. Company. 219,424; renewed Oct. 19, 1946. O. G. Sept. 17.
Piece goods, Certain. Elder Manufacturing Company. 218,424; renewed Sept. 28, 1946. O. G. Sept. 17.
Piece goods, Certain. Elder Manufacturing Company. 218,717; renewed Oct. 5, 1946. O. G. Sept. 17.
Piece goods, Certain. Hillcrest Silk Mills. 211,408; renewed Apr. 13, 1946. O. G. Sept. 17.
Rayon and silk ribbons, metallic ribbon, and wide elastic. Warren Featherbone Co. 424,039; Sept. 17.
Sheets, sheeting, and pillowcases. Riverside & Dan River Cotton Mills, Inc. 424,055; Sept. 17.
Veilings. I. J. Nethe & Company. 424,097; Sept. 17.
Woolen and worsted fabrics in the piece. Terhune, Yereance & Wolff, Inc. 424,068; Sept. 17.
Woolen fabrics in the piece. Winthrop Mills. 424,105; Sept. 17.

CLASS 44

Cement, Dental. S. S. White Dental Manufacturing Company. 212,261; renewed Apr. 27, 1946. O. G. Sept. 17.
Dressings, Surgical. Affiliated Retailers, Inc. 424,010; Sept. 17; Serial No. 494,996; published June 25, 1946.
Hearing aids. Maico Company, Incorporated. 423,993–4; Sept. 17; Serial Nos. 494,095–6; published June 25, 1946.
Hearing aids. Maico Company, Incorporated. 424,028; Sept. 17; Serial No. 496,251; published June 25, 1946.
Impression materials, Dental. H. D. Justi & Son, Inc. 423,992; Sept. 17; Serial No. 494,076; published June 25, 1946.
Instruments, Dental. S. S. White Dental Manufacturing Company. 212,260; renewed Apr. 27, 1946. O. G. Sept. 17.
Pads, Permanent wave. Murray Frank & Associates. 424,089; Sept. 17.
Sanitary napkins. Affiliated Retailers, Inc. 424,011; Sept. 17; Serial No. 495,001; published June 25, 1946.
Teeth and dental jacket porcelain, Cast porcelain artificial. Durallium Products Corporation. 424,088; Sept. 17.

CLASS 45

Beverage, Non-alcoholic maltless. Perry Bottling Company. 423,967; Sept. 17; Serial No. 492,579; published July 2, 1946.
Beverages, Carbonated, nonalcoholic, noncereal, maltless. Middle River Bottling Co. 217,179; renewed Aug. 24, 1946. O. G. Sept. 17.
Beverages, Non-alcoholic, non-cereal, maltless. Heinz Beverages. 424,107; Sept. 17.
Punch concentrate, Imitation grape. Empire Products Corporation. 423,969; Sept. 17; Serial No. 492,995; published July 2, 1946.
Syrup for making beverages, Black currant. H. W. Carter & Co., Limited. 424,017; Sept. 17; Serial No. 495,449; published July 2, 1946.
Syrups, flavorings, tonics, and extracts. Bovril Limited. 48,907; re-renewed Jan. 16, 1946. O. G. Sept. 17.

CLASS 46

Anchovies in salt and fillets of anchovies in olive oil. Comex Trading Co., Inc. 424,092; Sept. 17.
Butter, eggs, and cheese. Swift & Company. 216,192; renewed Aug. 3, 1946. O. G. Sept. 17.
Cake, Fruit. M. P. Wallace. 423,925; Sept. 17; Serial No. 483,641; published June 25, 1946.
Candy. Walter Baker & Company, Inc. 423,940; Sept. 17; Serial No. 491,226; published July 2, 1946.
Candy. C. A. Futter. 424,007; Sept. 17; Serial No. 496,094; published June 25, 1946.
Candy, Stick. C. E. Gheens. 214,949; renewed July 6, 1946. O. G. Sept. 17.
Canned fish. Commercial Compinex Company. 424,076; Sept. 17.
Canned fish, fish meal, salad dressing, etc. E. C. Hale. 423,984; Sept. 17; Serial No. 493,887; published July 2, 1946.
Canned fruits. Kroger Grocery & Baking Co. 214,567; renewed June 29, 1946. O. G. Sept. 17.
Canned fruits, canned vegetables, bottled cherries, etc. New Castle Grocery Co. 214,524; renewed June 29, 1946. O. G. Sept. 17.
Canned fruits, canned vegetables, dried fruits, etc. E. Clemens Horst Co. 218,778; renewed Oct. 5, 1946. O. G. Sept. 17.
Canned mushrooms. West Mushroom Company. 424,037; Sept. 17; Serial No. 497,639; published July 2, 1946.
Catchup. Curtice Brothers Co. 55,170; re-renewed Aug. 7, 1946. O. G. Sept. 17.
Catchup. Curtice Brothers Co. 55,813; re-renewed Aug. 21, 1946. O. G. Sept. 17.
Cheese spread. Blue Moon Foods, Inc. 424,069; Sept. 17.
Chocolate bars. Planters Nut & Chocolate Company. 216,016; renewed Aug. 3, 1946. O. G. Sept. 17.
Chocolate products. Walter Baker & Company, Inc. 423,990; Sept. 17; Serial No. 494,005; published June 25, 1946.
Coffee, butter, and food-flavoring vanilla extracts, etc. L. Kohn & Sons Meat and Grocery Company. 216,063; renewed Aug. 3, 1946. O. G. Sept. 17.
Confectionery. Odeon Theatres Limited. 423,944; Sept. 17; Serial No. 490,206; published July 2, 1946.
Corn-starch. A. E. Staley. 55,578; re-renewed Aug. 14, 1946. O. G. Sept. 17.
Desserts, Packaged prepared. H. H. Reichman. 423,951; Sept. 17; Serial No. 491,286; published July 2, 1946.
Emulsifiers. National Pectin Products Company. 423,975; Sept. 17; Serial No. 493,504; published July 2, 1946.
Extracts and essences of meat. Bovril Limited. 51,862; re-renewed Apr. 24, 1946. O. G. Sept. 17.
Extracts, Coffee. New England Extract Company. 424,008; Sept. 17; Serial No. 494,858; published July 2, 1946.
Feed and durum flour, Durum. Minneapolis Milling Company. 215,554; renewed July 20, 1946. O. G. Sept. 17.
Feed, Stock. Swift & Company. 214,133; renewed June 15, 1946. O. G. Sept. 17.
Flour and wheat flour, Self-rising. Woolcott Milling Company. 424,053; Sept. 17.
Flour, dried raisins, dried prunes, etc., Pancake. Kroger Grocery & Baking Co. 214,571; renewed June 29, 1946. O. G. Sept. 17.
Food, Bird. R. Kriete. 219,899; renewed Oct. 26, 1946. O. G. Sept. 17.
Food for yeast in powdered form. Cryns Products, Inc. 424,125; Sept. 17.
Food in powdered form, Specially-prepared. Mead Johnson & Company. 219,116; renewed Oct. 12, 1946. O. G. Sept. 17.
Food, Pet. C. L. Hirsh. 424,090; Sept. 17.
Food products. Reynolds Brothers. 424,032; Sept. 17; Serial No. 496,519; published July 2, 1946.
Foods, Prepared. R. E. Frizzell. 423,927; Sept. 17; Serial No. 485,477; published July 2, 1946.
Fruits, Dried. J. G. Vagim. 424,127; Sept. 17.
Fruits, Fresh citrous. Highgrove Fruit Association. 219,429; renewed Oct. 19, 1946. O. G. Sept. 17.
Fruit, Fresh citrous. Magnolia Citrus Association. 217,333; renewed Aug. 31, 1946. O. G. Sept. 17.
Fruit, Fresh citrous. Magnolia Citrus Association. 219,750; renewed Oct. 26, 1946. O. G. Sept. 17.
Fruits, Fresh citrus. O. L. Peacock. 424,046; Sept. 17.
Fruits, Fresh citrus. Redlands Co-Operative Fruit Association. 217,946; renewed Sept. 14, 1946. O. G. Sept. 17.
Fruits, Fresh citrous. Redlands Co-Operative Fruit Association. 219,741; renewed Oct. 26, 1946. O. G. Sept. 17.
Fruits, Fresh citrous. Upland Heights Orange Association. 219,543; renewed Oct. 19, 1946. O. G. Sept. 17.
Fruits, Fresh deciduous. Simons & French Company, Incorporated. 424,033; Sept. 17; Serial No. 496,991; published July 2, 1946.
Grapes, Fresh. Wright & Hughson. 211,473; renewed Apr. 13, 1946. O. G. Sept. 17.
Macaroni, canned peas and tomatoes. B. Filippone & Co. 219,494; renewed Oct. 19, 1946. O. G. Sept. 17.
Meats; and shortenings, and other provisions, Certain. Swift & Company. 28,452; re-renewed June 23, 1946. O. G. Sept. 17.
Olive oil. G. Montaperto. 218,745; renewed Oct. 5, 1946. O. G. Sept. 17.
Pickles. Squire Dingee Company. 215,089; renewed July 13, 1946. O. G. Sept. 17.
Salt and baking powder, Table. Janszen Grocery Company. 219,378; renewed Oct. 19, 1946. O. G. Sept. 17.
Seasoning materials, Dry soluble. Wm. J. Stange Co. 424,108; Sept. 17.
Shortening, Cottonseed oil. Armstrong Packing Company. 216,783; renewed Aug. 17, 1946. O. G. Sept. 17.
Sugar. Corn Products Refining Company. 424,035; Sept. 17; Serial No. 497,372; published July 2, 1946.
Syrup, Cane. Refined Syrups & Sugars Inc. 424,058; Sept. 17.
Syrup, Table. G. Craft. 424,117; Sept. 17.
Syrup, White table. Wason Bros. Co. 424,102; Sept. 17.
Vegetables, Fresh. R. T. Fleischer & Co. 424,103; Sept. 17.
Vegetables, Fresh. T. E. Hough. 424,131; Sept. 17.
Vegetables, Fresh. National Growers & Shippers. 424,091; Sept. 17.

CLASS 48

Beer. Minneapolis Brewing Co. 54,642–3; re-renewed June 26, 1946. O. G. Sept. 17.

CLASS 49

Alcohol (nonbeverage), Grain. Schenley Products Company. 216,265; renewed Aug. 10, 1946. O. G. Sept. 17.
Gin. Bonneville Distilleries Inc. 424,077; Sept. 17.
Liqueur. Southern Comfort Corporation. 423,955; Sept. 17; Serial No. 491,891; published July 2, 1946.
Rum. Compañia Comercial e Industrial Nocolas Merino S. A. 423,915; Sept. 17; Serial No. 478,950; published July 2, 1946.
Whiskey. Consolidated Distilleries, Inc. 423,932; Sept. 17; Serial No. 487,357; published July 2, 1946.
Whiskey. Security Liquor Company. 423,930; Sept. 17; Serial No. 485,888; published July 2, 1946.

CLASS 50

Covers, Protective brush. Hughes-Autograf Brush Co. Inc. 424,121; Sept. 17.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Huck, Louis C., Grosse Pointe, assignor to Huxon Holding Corporation, Detroit, Mich. Riveted structure and making the same. Re. 22,792; Sept. 17.

Huxon Holding Corporation, assignee: *See*—
Huck, Louis C.

Satchwell, Leonard, Slough, England. Boiler. Re. 22,793. Sept. 17.

LIST OF PLANT PATENTEES

Etter, Albert F., Ettersburg, assignor to G. C. Roeding, Jr., Niles, Calif. Apple tree. 710; Sept. 17.

Roeding, George C., Jr., assignee: *See*—
Etter, Albert F.

LIST OF DESIGN PATENTEES

Crane Co., assignee: *See*—
Zinkil, Roy H.

Deters, Elmer M., assignor to Red Jacket Manufacturing Co., Davenport, Iowa. Deep well pump head. 145,595; Sept. 17.

Fischer, Ethel, New York, N. Y. Child's coat. 145,596; Sept. 17.

Frascino, Mario, New York, N. Y. Coat. 145,597; Sept. 17.

Goldberg, Harry, New York, N. Y. Coat. 145,598; Sept. 17.

Goldberg, Harry, New York, N. Y. Coat. 145,599; Sept. 17.

Gray, Landon R.: *See*—
Hufford, Lewis C., and Gray.

Huberman, Samuel, New York, N. Y. Shoe. 145,600; Sept. 17.

Hufford, Lewis C., and L. R. Gray, Redondo Beach, Calif. Rotatable spit barbecue. 145,601; Sept. 17.

Imperial Brass Manufacturing Company, The, assignee: *See*—
Rausch, Martin J.

Jacobson, Alfred M., Denver, Colo. Clothespin. 145,602; Sept. 17.

Lactona Incorporated, assignee: *See*—
Millard, Glen E.

Millard, Glen E., assignor to Lactona Incorporated, St. Paul, Minn. Detachable toothpick assembly. 145,603; Sept. 17.

Rausch, Martin J., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Handle for valves or the like. 145,604; Sept. 17.

Red Jacket Manufacturing Co., assignee: *See*—
Deters, Elmer M.

Wells, Olga V., Alhambra, Calif. Vending machine. 145,605; Sept. 17.

White, James, Corbridge, England. Drawer handle or similar article. 145,606; Sept. 17.

Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Faucet handle or the like. 145,607; Sept. 17.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aerojet Engineering Corperation, assignee: *See*—
Smith, Apollo M. O.
Aircraft Screw Products Company, Inc., assignee: *See*—
Haas, Otto.
Aktiebolaget Bolinder-Munktell, assignee: *See*—
Wallgren, August G. F.
Alien Property Custodian: *See*—
Deserno, Peter.
Mesnel, Pierre.
Suchy, Robert, and Messner.
All American Aviation, Inc., assignee: *See*—
Du Pont, Richard C.
Allied Chemical & Dye Corporation, assignee: *See*—
Kern, Jean G.
Allied Control Company, Inc., assignee: *See*—
Horman, John H.
McPherson, Hal W.
Aluminum Company of America, assignee: *See*—
Blackmun, Edward V.
American Rolling Mill Company, The, assignee: *See*—
Hoover, George R., and Hays.
American Steel Foundries, assignee: *See*—
Cottrell, Robert B.
Anchor Hocking Glass Corporation, assignee: *See*—
Herrold, Gordon W.
Anderson, Arthur A., Rose Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive tape dispenser and applier. 2,407,641; Sept. 17.
Anderson Company, The, assignee: *See*—
Boddy, Leonard.
Anderson, John F., Oakland, Calif. Drilling vise. 2,407,769; Sept. 17.
Anderson, William W.: *See*—
Monson, Louis T.; Anderson, and Jenkins.
Anger, George L., assignee: *See*—
Steinhilber, Berthold.
Anglo-Iranian Oil Company Limited, assignee: *See*—
Fawcett, Eric W. M.
Anker-Holth Manufacturing Company, Inc., assignee: *See*—
Gall, George E.
Apker, Le Roy: *See*—
Tonks, Lewi, and Apker.
Armitage, Joseph B., Wauwatosa, and O. W. Barker, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,407,913; Sept. 17.
Arnold, Mervin V., Clay, N. Y., and J. W. Napier, Macon, Ga. Apparatus for applying tread material to tire casings. 2,407,806; Sept. 17.
Arzt, Louis, Bronx, N. Y. Chair bed. 2,407,864; Sept. 17.
Ashby, Carl T., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Two temperature evaporator for inert gas type absorption refrigerators. 2,407,733; Sept. 17.
Ashworth, Robert W., assignor to Hughes Tool Company, Houston, Tex. Treating cutter teeth. 2,407,642; Sept. 17.
Austin, Edwin C., trustee, et al., assignee: *See*—
Geiger, William A.
Automatic Electric Laboratories, Inc., assignee: *See*—
Droel, Louis W.
Gillings, Charles, and Beale.
Taylor, Reginald, and Baker.
Woodruff, Albert E.
Automatic Voting Machine Corporation, assignee: *See*—
Gustavson, Alvin N.
Back, M. F., trustee, assignee, et al.: *See*—
Geiger, William A.
Bailey, William A., Jr., Wilmington, and J. Burgin, Oakland, assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons and the preparation of catalysts therefor. 2,407,914; Sept. 17.
Bailliere, Edna C., Warren, Ohio. Toy and ball casing. 2,407,734; Sept. 17.
Baker, George T.: *See*—
Taylor, Reginald, and Baker.
Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Injection nozzle. 2,407,915; Sept. 17.
Barger, Edgar L.: *See*—
Engler, Kyle, Barger, and Thompson.
Barker, Orrin W.: *See*—
Armitage, Joseph B., and Barker.
Basic Refractories, Inc., assignee: *See*—
Schoenlaub, Robert A.
Bassett, Charles H., assignor to Crane Co., Chicago, Ill. Indicator for valves. 2,407,944; Sept. 17.
Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,407,643; Sept. 17.
Bausch & Lomb Optical Company, assignee: *See*—
Fraser, Walter A.
McKinstry, George W.
Bay Products Corporation, assignee: *See*—
Keema, Alexander W.
Beale, Charles E.: *See*—
Gillings, Charles, and Beale.
Beckerman, Raymond, Danbury, Conn. Finger bandage. 2,407,735; Sept. 17.
Bell Telephone Laboratories, Inc., assignee: *See*—
Budenbom, Horace T.
Butterfield, Joseph T., Knapp, and Runyon.
Kircher, Reymond J.
Ohl, Russell S.
Roberts, Leland C.
Southworth, George C.
Bendix Aviation Corporation, assignee: *See*—
MacCallum, Alan M.
Winchel, Henry T.
Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Ranging system. 2,407,644; Sept. 17.
Bennett, William O., Jr., Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Apparatus for testing waterproof watchcases. 2,407,945; Sept. 17.
Bentley, Oliver D. H., Dover, assignor to B. F. Sturtevant Company, Boston, Mass. Bearing. 2,407,807; Sept. 17.
Berg, Howard O., assignor to Stewart-Warner Corporation, Chicago, Ill. Shielded coil. 2,407,916; Sept. 17.
Bersworth, Frederick C., Verona, assignor to The Martin Dennis Company, Newark, N. J. Aliphatic polycarboxylic amino acids and making them. 2,407,645; Sept. 17.
Best, John W., Arlington, Calif. High chair. 2,407,646; Sept. 17.
Bird, John C., Pleasantville, and A. Kuna, Douglaston, N. Y., assignors, by mesne assignments, to The William S. Merrell Company, Cincinnati, Ohio. Aqueous solution of riboflavin. 2,407,624; Sept. 17.
Bird & Son, inc., assignee: *See*—
Young, James G.
Biskamp, Ernest J., San Antonio, Tex. Closure for cartons. 2,407,865; Sept. 17.
Bivans, Elbert L., Los Angeles, Calif. Pepper mill. 2,407,808; Sept. 17.
Blackmun, Edward V., Bay Village, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of oxide coated aluminum articles. 2,407,809; Sept. 17.
Board Of Trustees of the University of Arkansas, assignee: *See*—
Engler, Kyle, Barger, and Thompson.
Boddy, Leonard, Ann Arbor, Mich., assignor to The Anderson Company. Electrical indicating system. 2,407,810; Sept. 17.
Bodman, John W., Winchester, assignor to Lever Brothers Company, Cambridge, Mass. Synthetic organic nonsoap detergent in bar form and making same. 2,407,647; Sept. 17.
Boehm, Alfred A., Jr., New York, N. Y. Warpage measuring machine. 2,407,648; Sept. 17.
Bolsey, Jacques, New York, N. Y. Range finder. 2,407,917; Sept. 17.
Bower, John L., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,407,866; Sept. 17.
Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,407,625; Sept. 17.
Bristol Aeroplane Company Limited, The, assignee: *See*—
Goodby, William T.
Britton, Edgar C.: *See*—
Dreisbach, Robert R., Britton, and Le Fevre.

Britton, Edgar C., and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Copolymerization of vinyl compounds. 2407,946; Sept. 17.
Brown Instrument Company, The, assignee: *See*—
Kliever, Waldo H.
Brundage, Ellis W., Sheridan, Mont. Hoist. 2,407,811; Sept. 17.
Bruns, August, assignee: *See*—
Hoffstad, Ole J.
Brunswick-Balke-Collender Company, The, assignee: *See*—
Luth, Harold J.
Bryant Heater Company, The, assignee: *See*—
Terhune, Ralph D.
Buchanan, Charles H., Kingston-on-Thames, assignor to Jicwood Limited, Weybridge, England. Producing curved "sandwich" material. 2,407,867; Sept. 17.
Budenbom, Horace T., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direction finding system. 2,407,649; Sept. 17.
Burgin, James: *See*—
Bailey, William A., Jr., and Burgin.
Burgin, James, Oakland, assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of carbonaceous materials. 2,407,918; Sept. 17.
Burke Theodore H. D., Eggertsville, assigner to Otis Elevator Company, New York, N. Y. Treating refratory. 2,407,868; Sept. 17.
Burndy Engineering Company, Inc., assignee: *See*—
Matthysse, Irving F.
Butcher, Alfred, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Apparatus for the clarification of liquids. 2,407,947; Sept. 17.
Butterfield, Joseph T., Summit, N. J., H. M. Knapp, Flushing, N. Y., and B. F. Runyon, Basking Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wiper contact for electrical devices. 2,407,650; Sept. 17.
Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Dispensing box or container. 2,407,919; Sept. 17.
Cain, Sidney R., Henley-on-Thames, England. Remote control of fluid pressure actuated apparatus. 2,407,812; Sept. 17.
California Institute Research Foundation, assignee: *See*—
Nemeyer, Roland O.
Carmody, Don R.: *See*—
Evering, Bernard L., d'Ouville, and Carmody.
Marschner, Robert F., and Carmody.
Castedello, William: *See*—
Schwartz, Morris, and Castedello.
Cawood, William H., Middlesboro, Ky. Footrest for embalming tables. 2,407,948; Sept. 17.
Chandler, James H., Oak Park, Ill., assignor to Ekco Products Company. Pressure cooker. 2,407,627; Sept. 17.
Cheney, Harry A., Oakland, assignor to Shell Development Company, San Francisco, Calif. Manufacture of supported catalysts. 2,407,813; Sept. 17.
Cheney, Harry A., Oakland, assignor to Shell Development Company, San Francisco, Calif. Catalysts. 2,407,814; Sept. 17.
Chrysler Corporation, assignee: *See*—
Ball, Thomas M.
Gilfillan, Henry W.
Herreshoff, Alexander G., and Lamb.
Perfetti, John F., and Waldron.
Churchill, Wilmer H., Sangus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shiftable cowling and like socket fastener member. 2,407,815; Sept. 17.
Ciper, Anthony L., Glenwillard, and A. W. Snyder, Aliquippa, Pa. Elevated hanger and lamp lowering and hoisting means. 2,407,869; Sept. 17.
Claesson, Per H. E.: *See*—
Rost, Helge, F., Thunell, Vigren, and Claesson.
Clark, Donald H., Stockton, Calif. Bead dispenser control. 2,407,628; Sept. 17.
Clemmer, Julius B., and B. H. Clemmons, Tuscaloosa, Ala., assignors to the United States of America, as represented by the Secretary of Interior. Concentrating fluorspar by froth flotation. 2,407,651; Sept. 17.
Clemmons, Ballard H.: *See*—
Clemmer, Julius B., and Clemmons.
Cook, Earle S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake apparatus. 2,407,870; Sept. 17.
Corcanges, Alfred A., Creenville, S. C. Radio controlled signal and illuminating system for airways. 2,407,949; Sept. 17.
Costa, Philip J., Franklin Square, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Detonation responsive means for controlling internal-combustion engines. 2,407,652; Sept. 17.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,407,950; Sept. 17.
Courtenay, William A., Jr., Chester, assignor to Sun Oil Company, Philadelphia, Pa. Vehicle hoist. 2,407,629; Sept. 17.
Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Producing pentaerythritol. 2,407,920; Sept. 17.
Crane Co., assignee: *See*—
Bassett, Charles H.
Crompton & Knowles Loom Works, assignee: *See*—
Fletcher, Norman.
Cross, Bert S.: *See*—
Palmquist, P. V., Cross, and Netherly.
Cross, Garrett P. S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Direction-controlling mechanism for guns. 2,407,871; Sept. 17.
Crown Can Company, assignee: *See*—
Gladfelter, Wiltie I., and Ehrlich.
Crown Cork & Seal Company, assignee: *See*—
Stewart, Robert J.
Cummings, George H.: *See*—
Fenske, Merrell R., and Cummings.
Curtiss-Wright Corporation, assignee: *See*—
Kearney, Norman L.
Czerner, Severin F., Kings Mill, Tex. Folding tail vane windmill. 2,407,816; Sept. 17.
Daniel, Isabelle H., Los Angeles, Calif. Liquid applicator. 2,407,770; Sept. 17.
Daniel, Paul P., Los Angeles, Calif. Orifice plate carrier. 2,407,951; Sept. 17.
Danner, Arthur V., Villanova, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Converting hydrocarbons. 2,407,817; Sept. 17.
De Almeida, José G., Rio de Janeiro, Brazil. Automatic telegraph transmitter. 2,407,818; Sept. 17.
Del Castillo y Español, Eugenio D., Buenos Aires, Argentina. Dam structure. 2,407,952; Sept. 17.
Deliso, John, Worcester, Mass. Rotary broach. 2,407,921; Sept. 17.
Dempsey, Walter E., Moose Jaw, Saskatchewan, Canada. Grain cleaner. 2,407,653; Sept. 17.
De Rose, John P., Albany, Calif. Seat support. 2,407,771; Sept. 17.
Deserno, Peter, Berlin, Germany; vested in the Alien Property Custodian. Television receiver. 2,407,654; Sept. 17.
Deurmyer, Richard H., Eugene, and C. G. Yocum, Cheshire, Oreg. Saw filing gauge. 2,407,736; Sept. 17.
Dewan, Leon, Arverne, N. Y. Supercharger. 2,407,630; Sept. 17.
Dexter, Roger W., and P. L. Loewe, Chicago, Ill. Piston. 2,407,631; Sept. 17.
Dextone Company, The, assignee: *See*—
Falco, Louis A.
Di Ianni, Emannel, Norristown, Pa. Garment fastening device. 2,407,969; Sept. 17.
Di Santi, Thomas G., Newark, N. J. Scaffold. 2,407,655; Sept. 17.
Dodge, Adiel Y., Rockford, Ill. Clutch and bearing construction. 2,407,772; Sept. 17.
Dolan, Charles H., II, Old Greenwich, Conn. Potato peeler. 2,407,819; Sept. 17.
Douglas (Kingswood) Limited, assignee: *See*—
Halliday, George F., and Thomas.
D'Ouville, Edmond L.: *See*—
Evering, Bernard L., d'Ouville, and Carmody.
Dow Chemical Co., The, assignee: *See*—
Britton, Edgar C., and Le Fevre.
Dreisbach, Robert R., Britton, and Le Fevre.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston device. 2,407,872; Sept. 17.
Dreisbach, Robert R., E. C. Britton, and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Tacky rubberlike compositions and making the same. 2,407,953; Sept. 17.
Dreyfus, Camille, New York, N. Y. Screening material. 2,407,632; Sept. 17.
Droel, Louis W., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Retarded relay. 2,407,633; Sept. 17.
Dubeau, Archie L.: *See*—
Vincent, George P., and Dubeau.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Myers, Clovis D.
Du Pont, Richard C., Granogue, assignor to All American Aviation, Inc., Wilmington, Del. Shock absorbing aerial towline. 2,407,634; Sept. 17.
Durrum, Emmett L., Palo Alto, assignor to Shell Development Company, San Francisco, Calif. Separating aromatic hydrocarbons. 2,407,820; Sept. 17.
Egry Register Co., The, assignee: *See*—
Ritzert, Robert W.
Ehrlich, Walter A.: *See*—
Gladfelter, Wiltie I., and Ehrlich.
Ekco Products Company, assignee: *See*—
Chandler, James H.
Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Binding element. 2,407,656; Sept. 17.
Engelbaugh, Harold E.: *See*—
Gettig, Martin S., and Engelbaugh.
Engle, Burr N., assignor to I. M. Engle, Los Angeles, Calif. Indenting device. 2,407,821; Sept. 17.
Engle, Inga M., assignee: *See*—
Engle, Burr N.

Engler, Herman, assignor to P. Koletzko and C. A. Hands, New York, N. Y. Preparation for treating launderable fabric articles. 2,407,635; Sept. 17.

Engler, Kyle, Fayetteville, Ark., E. L. Barger, Ames, Iowa, and A. H. Thompson, deceased, by R. G. Thompson, administratrix, assignors to Board of Trustees of the University of Arkansas, Fayetteville, Ark. Drier. 2,407,636; Sept. 17.

Enterprise Railway Equipment Company, assignee: *See*— Zimmer, Albert E.

Erasmus, Martha C., Krugersdorp, Transvaal, Union of South Africa. Inspection lamp for motor vehicles and the like. 2,407,737; Sept. 17.

Esval, Orland E., Huntington, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Transformer pick-off. 2,407,657; Sept. 17.

Evering, Bernard L., Chicago, Ill., E. L. d'ouville, Pittsburgh, Pa., and D. R. Carmody, Newton, Iowa, assignors to Standard Oil Company, Chicago, Ill. Polymerization of olefins. 2,407,873; Sept. 17.

Fahnestock, Frank C., Haddonfield, N. J., and W. A. Hagerbaumer, Haverford Township, Delaware County, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Making acid reagents. 2,407,822; Sept. 17.

Falco, Louis A., assignor to The Dextone Company, New Haven, Conn. Bathtub. 2,407,738; Sept. 17.

Farnsworth Television and Radio Corporation, assignee: *See*— Hallmark, Clyde E. Rasley, Donald R.

Fawcett, Eric W. M., Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company, Limited, London, England. Production of branched chain alkanes. 2,407,637; Sept. 17.

Federal Telephone and Radio Corporation, assignee: *See*— Fuchs, Morton.

Fenske, Merrell R., and G. H. Cummings, State College, assignors to Rohm & Haas Company, Philadelphia, Pa. Lubricating composition. 2,407,954; Sept. 17.

Ferrante, Gaspare, assignor to Grasoph Building Corp., Brooklyn, N. Y. Plastic cementitious material. 2,407,739; Sept. 17.

Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Wringer. 2,407,922; Sept. 17.

Fieser, Louis F., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Antihemorrhagic esters and producing the same. 2,407,823; Sept. 17.

Fisher, John A., Tarpon Springs, Fla. Turbine engine. 2,407,824; Sept. 17.

Fletcher, Norman, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft tension for Axminster looms. 2,407,773; Sept. 17.

Folkers, Karl: *See*— Major, Randolph T., and Folkers.

Fowler, Harlan D., San Diego, Calif. Airplane construction. 2,407,774; Sept. 17.

Fram, David: *See*— Holschuh, Carl G., and Fram.

Fraser, Walter A., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Fluorine-containing ceramics and making same. 2,407,874; Sept. 17.

Frey, Frederick E., Bartlesville, Okla., and R. D. Snow, Edgewood, Md., assignors to Phillips Petroleum Company. Producing and concentrating diolefins. 2,407,825; Sept. 17.

Frost, Horace E., Grand Rapids, Mich. Indoor latch and lock. 2,407,775; Sept. 17.

Fuchs, Alfred R.: *See*— Fuchs, John R. and A. R.

Fuchs, John R. and A. R., Kansas City, Mo. Slicing device. 2,407,658; Sept. 17.

Fuchs, Morton, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Phase comparison system. 1,407,659.

Fuller, Frederic B.: *See*— Guibert, Francis W., and Fuller.

Gallus, George, Stillwater, Minn. Hoe. 2,407,740; Sept. 17.

Gall, George E., assignor to Anker-Holth Manufacturing Company, Inc., Chicago, Ill. Pump. 2,407,923; Sept. 17.

Gardner-Richardson Company, The, assignee: *See*— Ringler, William A.

Garfunkel, Louis X., New York, N. Y. Food slicing machine having stationary knives and a follower feed. 2,407,924; Sept. 17.

Geiger, William A., assignor to W. P. Sidley, M. F. Back, A. P. Withall, E. C. Austin, and G. A. Johnson, Chicago, Ill., and A. T. Miner, Chazy, N. Y., as trustees of The William H. Miner Foundation. Railway car truck. 2,407,875; Sept. 17.

General Binding Corporation, assignee: See— Emmer, Charles E.

General Electric Company, assignee: *See*— Bower, John L. Brand, Frederick F. Godet, Sidney. Norgaard, Donald E. Sclater, Ivanhoe H. Tonks, Lewi, and Apker. Welch, Alanson U., Jr.

General Motors Corporation, assignee: *See*— Ferris, Donald K. Martin, Thomas B., and Haines.

General Railway Signal Company, assignee: *See*— O'Brien, John C.

Gettig, Martin S., Poland, and H. E. Engelbaugh, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Apparatus for delivering elongated cylindrical articles. 2,407,638; Sept. 17.

Gilbert, Frank, Jr., Olmsted Falls, Ohio. Container and making same. 2,407,639; Sept. 17.

Gilfillan, Henry W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for comparing pressures. 2,407,925; Sept. 17.

Gillings, Charles, and C. E. Beale, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc. Telephone or like signaling system. 2,407,640; Sept. 17.

Gladfelter, Willie I., Philadelphia, Pa., and W. A. Ehrlich, Bridgeport, Conn., assignors to Crown Can Company, Philadelphia, Pa. Can-beading machine. 2,407,776; Sept. 17.

Godber, George R., Los Angeles, Calif. Construction for electric storage batteries. 2,407,826; Sept. 17.

Godet, Sidney, Albany, N. Y., assignor to General Electric Company. Follow-up control system. 2,407,876; Sept. 17.

Goldsmith, George R., Girraween Grove, Ashgrove, Brisbane, Queensland, Australia. Refrigerant evaporator. 2,407,827; Sept. 17.

Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Interlock apparatus. 2,407,877; Sept. 17.

Goodby, William T., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Screw-threaded member. 2,407,741; Sept. 17.

Gorder, John R., Bismarck, N. Dak. Illuminating device. 2,407,829; Sept. 17.

Gorin, Everett, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrocarbon conversion process. 2,407,828; Sept. 17.

Graham & Allen, assignee: *See*— Graham, George C.

Graham, George C., assignor, by mesne assignments, to Graham & Allen, Ridgewood, N. J. Washing machine. 2,407,660; Sept. 17.

Grasoph Building Corp., assignee: *See*— Ferrante, Gaspare.

Grawunder, Henry C., Bellville, assignor of one-half to J. B. Huff, Jr., Harris County, Tex. Glider. 2,407,777; Sept. 17.

Greetham, Ernest, London, England. Carrying out the heat-treatment of glass articles. 2,407,878; Sept. 17.

Griffin, Theodore R., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Lock nut. 2,407,830; Sept. 17.

Groene, William F., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Taper turning apparatus. 2,407,778; Sept. 17.

Grove, Edwin W., III, Ladue, Mo. Perambulator. 2,407,779; Sept. 17.

Groves, Martin V., assignee, et al.: *See*— Hull-Ryde, Arthur.

Guibert, Francis W., Beverly Hills, and F. B. Fuller, Whittier, Calif.; said Fuller assignor to said Guibert. Fluid pressure device. 2,407,698; Sept. 17.

Gulf Oil Corporation, assignee: *See*— Butcher, Alfred.

Gurries, Albert G., Gilroy, Calif. Finishing leveler. 2,407,780; Sept. 17.

Gustavson, Alvin N., Bemus Point, assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,407,831; Sept. 17.

Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Method and apparatus for sealing cartons. 2,407,781; Sept. 17.

Haas, Otto, Richmond Hill, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Composite nut. 2,407,879; Sept. 17.

Hagerbaumer, William A.: *See*— Fahnestock, Frank C., and Hagerbaumer.

Haines, John F.: *See*— Martin, Thomas B., and Haines.

Halliday, George F., and A. W. Thomas, Kingswood, Bristol, England, assignors to Douglas (Kingswood) Limited. Connection of clutches to speed gears. 2,407,955; Sept. 17.

Hallmark, Clyde E., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Synchronizing signal generator. 2,407,956; Sept. 17.

Hamilton, Kenneth, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Paper yarn. 2,407,926; Sept. 17.

Hamilton Watch Company, assignee: *See*— Bennett, William O., Jr.

Hands, C. Alfred, assignee, et al.: *See*— Engler, Herman.

Hardy, John S., Los Gatos, Calif. Tray stacker. 2,407,782; Sept. 17.

Harries, John H. O., Clapham Park, London, S. W. 4, England. Construction and assembly of electron discharge tubes. 2,407,742; Sept. 17.

Harrison, Bertram M., Newton Highlands, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling device. 2,407,661; Sept. 17.

Hart, Harold M., Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Method and apparatus for submarine signaling. 2,407,662; Sept. 17.

Hart, Robert W., Lynn, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Method and means for distance and direction finding. 2,407,663; Sept. 17.

Hartford National Bank and Trust Company, trustee, assignee: *See*— Labin, Edouard. Verhoeff, Adrianus. Ziegler, Marc.

Hayden, Edward, Windsor, Ontario, Canada. Miniature sectional building construction. 2,407,927; Sept. 17.

Hays, Noble E.: *See*— Hoover, George R., and Hays.

Helyar, Charles M., St. Vital, Manitoba, Canada. Air draft timing and volume control. 2,407,743; Sept. 17.

Hercules Powder Company, assignee: *See*— Cox, Richard F. B. Rummelsburg, Alfred L.

Herreshoff, Alexander G., Grosse Pointe, and W. Lamb, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Fastening device. 2,407,928; Sept. 17.

Herrold, Gordon W., Connellsville, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Transferring device for annealing leers. 2,407,664; Sept. 17.

Hersey, Israel I.: *See*— Quinn, Edward, and Hersey.

Herwick, Ole, and T. M. Taylor, Portland, Oreg. Lawn mower sharpener. 2,407,783; Sept. 17.

Hill, Henry C., Montclair, N. J., assignor to Wright Aeronautical Corporation. Hydraulic brake. 2,407,699; Sept. 17.

Hoffstad, Ole J., Rahway, N. J., assignor of one-half to A. Bruns, Port Chester, N. Y. Rollable type window screen. 2,407,784; Sept. 17.

Holschuh, Carl G., Wood-ridge, N. J., and D. Fram, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Aircraft fire control computer. 2,407,665; Sept. 17.

Holtz, Robert F., Merchantville, N. J., assignor to Radio Corporation of America. Protection for electron tubes. 2,407,880; Sept. 17.

Homeyer, August H.: *See*— Wallingford, Vernon H., and Homeyer.

Hoover, Edward M., Anderson, Ind. Reciprocating tool. 2,407,785; Sept. 17.

Hoover, George R., and N. E. Hays, assignors to The American Rolling Mill Company, Middletown, Ohio. Preparation of galvanized sheets to receive resinous coatings. 2,407,881; Sept. 17.

Horman, John H., Tuckahoe, assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Electromagnetic relay. 2,407,744; Sept. 17.

Hotvedt, Ludvig C., Cambridge, England. Combination hand tool. 2,407,832; Sept. 17.

Huff, J. B., Jr., assignee: *See*— Grawunder, Henry C.

Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of fluid reactants. 2,407,700; Sept. 17.

Hughes Tool Company, assignee: *See*— Ashworth, Robert W.

Hull-Ryde, Arthur, assignor of one-fourth to A. Wilde, Bayside, and one-half to M. V. Groves, Brooklyn, N. Y. Compound hydraulic brake compressor and the like. 2,407,957; Sept. 17.

Hutchinson, Willis S., St. Paul, Minn., and E. R. Woodward, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Generator. 2,407,882; Sept. 17.

Hydraulic Control Engineering Company, assignee: *See*— Stephens, William T.

Imperial Chemical Industries Limited, assignee: *See*— Jones, David G., and Phillipson. Thomson, Thomas.

Interior, United States of America, as represented by the Secretary of, assignee: *See*— Clemmer, Julius B., and Clemmons.

International Harvester Company, assignee: *See*— Morkoski, James.

Jablonsky, Bruno, Waddon, Croydon, England. Manufacturing articles from fibrous material. 2,407,833; Sept. 17.

Jackson, Corwill, Ludington, Mich. Permanent magnet field generator. 2,407,883; Sept. 17.

Jacobson, Franz, New York, N. Y. Rotary joint. 2,407,745; Sept. 17.

Jeckel, Norman C., Glens Falls, N. Y., assignor to United States Catheter & Instrument Corp. Catheter. 2,407,929; Sept. 17.

Jenkins, Fred W.: *See*— Monson, Louis T., Anderson, and Jenkins.

Jicwood Limited, assignee: *See*— Buchanan, Charles H.

Johnson, George A., trustee, assignee, et al.: *See*— Geiger, William A.

Johnson, Herbert L.: *See*— Perrine, John H., and Johnson.

Johnson, Jesse E., Colbert, Wash. Oscillating welding rod. 2,407,746; Sept. 17.

Johnston, Greenhow, assignor of one-half to G. Maury, Jr., Richmond, Va. Machine gun mount. 2,407,884; Sept. 17.

Jones, David G., and M. Phillipson, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Manufacture of halogenated hydrocarbons. 2,407,701; Sept. 17.

Jones, Leo D., assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal separation. 2,407,834; Sept. 17.

Jowett, John A., Scottsville, N. Y. Sounding device. 2,407,702; Sept. 17.

Joy Manufacturing Company, assignee: *See*— Paget, Win W.

Kalart Company, Inc., The, assignee: *See*— Schwartz, Morris, and Castedello.

Kaplan, Saul, Rutherford, N. J., assignor to Onyx Oil & Chemical Company. Amino amide compounds. 2,407,703; Sept. 17.

Kearney, Norman L., Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Snubber. 2,407,958; Sept. 17.

Kearney & Trecker Corporation, assignee: *See*— Armitage, Joseph B., and Barker.

Kearny, Cresson H., U. S. Army, Fort Clayton, Canal Zone. Boat. 2,407,666; Sept. 17.

Keema, Alexander W., Providence, R. I., assignor, by mesne assignments, to Bay Products Corporation. Attachment for grinding machines. 2,407,835; Sept. 17.

Keest, Frank, Urbana, Ill. Combination chair and cot. 2,407,786; Sept. 17.

Kelsey-Hayes Wheel Company, assignee: *See*— Sinclair, Charles W.

Kemper, Harry C.: *See*— Groene, William F., and Kemper.

Kern, Jean G., Orchard Park, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Anthraquinone acid dyestuff. 2,407,704; Sept. 17.

Kernahan, Ray, Portland, Oreg. Packsack. 2,407,787; Sept. 17.

Ketelbey, Frederick G., and G. Mason, Birmingham, England. Electrode holder for use in electric welding. 2,407,836; Sept. 17.

Kilgore, George R.: *See*— Shulman, Carl I., and Kilgore.

Kilgore, George R., Verona, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,407,705; Sept. 17.

Kilgore, George R., Verona, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,407,707; Sept. 17.

Kilgore, George R., Verona, and L. Malter, Newark, N. J., assignors to Radio Corporation of America. Electron discharge device. 2,407,708; Sept. 17.

Kingsburg Cotton Oil Co., assignee: *See*— Peterson, Clarence J.

Kircher, Reymond J., Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic generator. 2,407,667; Sept. 17.

Kispert, Joseph J., assignor to I. Newman & Sons, Inc., New Haven, Conn. Garment. 2,407,885; Sept. 17.

Kissel, William H., Ludington, Mich. Window stop. 2,407,837; Sept. 17.

Kliever, Waldo H., Minneapolis, Minn., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,407,838; Sept. 17.

Knapp, Harry M.: *See*— Butterfield, Joseph T., Knapp, and Runyon.

Knauss, Richard H., Peoria, Ill. Internal-combustion engine. 2,407,788; Sept. 17.

Knobel, Max, Arlington, Mass. Tracking apparatus. 2,407,886; Sept. 17.

Koehler, Gustave J., Dayton, Ohio. Fluid valve. 2,407,789; Sept. 17.

Koletzko, Paul, assignee, et al.: *See*— Engler, Herman.

Koppers Company, Inc., assignee: *See*— O'Brochta, John, and Rodman.

Kuna, Andrew: *See*— Bird, John C., and Kuna.

Labin, Edouard, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Phase modulation system. 2,407,887; Sept. 17.

Lamb, Wade: *See*— Herreshoff, Alexander G., and Lamb.

La Pointe, Albert A., West Hartford, assignor to La Pointe Engineering Company, Unionville, Conn. Shovel. 2,407,930; Sept. 17.

La Pointe Engineering Company, assignee: *See*— La Pointe, Albert A.

Leatherman, Martin, Hyattsville, Md. Fire resistant coating composition. 2,407,668; Sept. 17.

Le Blond, R. K., Machine Tool Company, The, assignee: *See*— Groene, William F., and Kemper.

Le Fevre, Walter J.: *See*—
Britton, Edgar C., and Le Fevre.
Dreisbach, Robert R., Britton, and Le Fevre.

Lemos, Manuel G., New York, N. Y. Convertible rocking chair. 2,407,839; Sept. 17.

Leonard, Robert D., Aldan, Pa. Rotary indexing mechanism. 2,407,840; Sept. 17.

Le Roy, Frank, assignor of one-half to J. D. Robinson, San Diego, Calif. Garment hanger. 2,407,841; Sept. 17.

Lescher, George W., Garden City, and W. H. Steet, Roosevelt, N. Y., assignors to Republic Aviation Corporation. Manually operated arresting hook. 2,407,709; Sept. 17.

Lesser, Julius, Chicago, Ill. Concealed garment pocket. 2,407,888; Sept. 17.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Reciprocating pressure generator. 2,407,790; Sept. 17.

Lever Brothers Company, assignee: *See*—
Bodman, John W.

Lindsay, John H., and S. Reso, assignors to Universal Tobacco Machine Co., Inc., Jacksonville, Fla. Cigar punching machine. 2,407,931; Sept. 17.

Lipe-Rollway Corporation, assignee: *See*—
Spase, Charles B.

Littlejohn, Lillie M., North Birmingham, Ala. Clothesline cover. 2,407,959; Sept. 17.

Loewe, Peter L.: *See*—
Dexter, Roger W., and Loewe.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric switch. 2,407,710; Sept. 17.

Lombard Governor Corporation, assignee: *See*—
Schmidt, Edward.

Luth, Harold J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Building and forming plywood parts. 2,407,711; Sept. 17.

Luth, Harold J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Solenoid. 2,407,712; Sept. 17.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,407,669; Sept. 17.

MacCallum, Alan M., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Magnetic clutch. 2,407,757; Sept. 17.

MacCluney, William R., Dearborn, Mich. Fastening device. 2,407,758; Sept. 17.

MacKenzie, Thomas W., Cranford, N. J. Automatic telephone dialer. 2,407,889; Sept. 17.

Major, Randolph T., Mountainside, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Erythrina alkaloid and its production. 2,407,713; Sept. 17.

Mallinckrodt Chemical Works, assignee: *See*—
Wallingford, Vernon H., and Homeyer.

Maloney, William J., Ansonia, Conn. Human carrier. 2,407,714; Sept. 17.

Malter, Louis: *See*—
Kilgore, George R., and Malter.

Manson, Frank G., Chicago, Ill. Quick-release connector. 2,407,715; Sept. 17.

Margolin, Meyer, Elgin, Ill. Resilient insole. 2,407,670; Sept. 17.

Mariotti, Anthony, Lorain, Ohio. Transit level. 2,407,960; Sept. 17.

Marschner, Robert F., assignor to Standard Oil Company, Chicago, Ill. Superfuel. 2,407,716; Sept. 17.

Marschner, Robert F., Homewood, assignor to Standard Oil Company, Chicago, Ill. Aviation superfuel. 2,407,717; Sept. 17.

Marschner, Robert F., Homewood, Ill., and D. R. Carmody, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Aviation superfuel. 2,407,718; Sept. 17.

Martin Dennis Company, The, assignee: *See*—
Bersworth, Frederick C.

Martin, Thomas B., and J. F. Haines, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Governor valve. 2,407,791; Sept. 17.

Mason, George: *See*—
Ketelbey, Frederick H., and Mason.

Mathieson Alkali Works, Inc., The, assignee: *See*—
Hutchinson, Willis S., and Woodward.
Vincent, George P., and Dubeau.

Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Rotatable bus support clamp. 2,407,961; Sept. 17.

Maury, Greenhow, Jr.: *See*—
Johnston, Greenhow.

Maxwell, Frank R., Malden, Mass. Attachment chuck. 2,407,932; Sept. 17.

McBride, Thomas C., Philadelphia, Pa., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Lubricator. 2,407,841; Sept. 17.

McClure, Glenn T., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Protection valve device. 2,407,890; Sept. 17.

McDonald, Donald A., Dearborn, Mich. Merry-go-round for playgrounds and the like. 2,407,843; Sept. 17.

McDougal, Royden K., San Pedro, Calif. Fishhook, 2,407,759; Sept. 17.

McKinstry, George W., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Safety appliance. 2,407,891; Sept. 17.

McLaughlin, John R., Palmer, Mass., assignor, by mesne assignments, to Tampax, Inc., New York, N. Y. Method of and apparatus for fitting telescopic tubes and the like. 2,407,760; Sept. 17.

McMillan, James O., Wichita, Kans. Diaphragm pump. 2,407,792; Sept. 17.

McPherson, Hal W., Chicago, Ill., assignor to Allied Control Co., Inc., New York, N. Y. Valve. 2,407,761; Sept. 17.

McQuay-Norris Manufacturing Company, assignee: *See*—
Persons, Lawrence M.

Mehr, Otto, North Bergen, N. J. Hospital bed. 2,407,892; Sept. 17.

Melchior, Frederick C., New York, N. Y. Carburetor preheat system. 2,407,719; Sept. 17.

Merck & Co., Inc., assignee: *See*—
Major, Randolph T., and Folkers.

Merrell, William S., Company, The, assignee: *See*—
Bird, John C., and Kuna.

Mesnel, Pierre, Colombes, France; vested in the Alien Property Custodian. Guideway for sliding windows. 2,407,671; Sept. 17.

Messner, Georg: *See*—
Suchy, Robert, and Messner.

Meyer, Albert, Albuquerque, N. Mex. Navigator. 2,407,893; Sept. 17.

Microstat Corporation, assignee: *See*—
Pratt, Verneur E.

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Synthesis of 1-alkyl-8-methyl hexahydroindanone-4. 2,407,672; Sept. 17.

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Synthesis of 1-keto-8-methylhexahydroindanol-1. 2,407,673; Sept. 17.

Miller, James B., Webster Groves, assignor to Mines Equipment Company, St. Louis, Mo. Electrical connecting unit. 2,407,894; Sept. 17.

Miner, Alice T., trustee, assignee, et al.: *See*—
Geiger, William A.

Miner, William H., Foundation, The, assignee: *See*—
Geiger, William A.

Mines Equipment Company, assignee: *See*—
Miller, James B.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Anderson, Arthur A.
Palmquist, Philip V., Cross, and Netherly.

Mitchell, Roscoe A., Evansville, Ind. Bottle cap or jar cover remover. 2,407,793; Sept. 17.

Mohawk Carpet Mills, Inc., assignee: *See*
Hamilton, Kenneth.

Monsanto Chemical Company, assignee: *See*—
Nason, Howard K.
Whitehead, George W.

Monson, Louis T., Alhambra, W. W. Anderson, Montebello, and F. W. Jenkins, Los Angeles, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Resolving oil-in-water emulsions. 2,407,895; Sept. 17.

Morgan, David H., Youngstown, Ohio. Door and operating means therefor. 2,407,674; Sept. 17.

Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle drive axle gearing. 2,407,675; Sept. 17.

Moriarty, Ernest C., Washington, D. C. Bomb fuse. 2,407,844; Sept. 17.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Mechanical power lift. 2,407,762; Sept. 17.

Muffly, Glenn, Springfield, Ohio. Refrigerating mechanism. 2,407,794; Sept. 17.

Mull, Arthur B., Hollywood, Calif., assignor to Spotswood Specialty Co., Inc., Lexington, Ky. Toy airplane. 2,407,720; Sept. 17.

Munson, Alexander L., Detroit, Mich. Welding mechanism. 2,407,676; Sept. 17.

Myers, Clovis D., Ardentown, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovering the salt-forming components of nylon. 2,407,896; Sept. 17.

Napier, James W.: *See*—
Arnold, Mervin V., and Napier.

Nason, Howard K., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Molding cellulose ester compositions. 2,407,962; Sept. 17.

National Lock Co., assignee: *See*—
North, Edwin W., and Stone.

Nauert, Carl H., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerating apparatus. 2,407,721; Sept. 17.

Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Upholstered spring construction. 2,407,933; Sept. 17.

Nelson, Clarence L., Minneapolis, Minn. Device for maintaining film loops. 2,407,795; Sept. 17.

Nemeyer, Roland O., assignor to California Institute Research Foundation, Pasadena, Calif. Aligning device for tools. 2,407,845; Sept. 17.

Netherly, George P.: *See*—
Palmquist, P. V., Cross, and Netherly.

Newman, George W., Kansas City, Mo. Pocketknife. 2,407,897; Sept. 17.

Newman, I., & Sons, Inc., assignee: *See*—
Kispert, Joseph J.

Nilson, Frederick W., Worcester, Mass. Automatic direction indicator. 2,407,934; Sept. 17.

Norgaard, Donald E., Schenectady, N. Y., assignor to General Electric Company. Cathode ray apparatus. 2,407,898; Sept. 17.

North, Edwin W., and R. A. Stone, assignors to National Lock Co., Rockford, Ill. Furniture handle. 2,407,763; Sept. 17.

Nye, Norman H., Cuyahoga Falls, and W. E. Rogers, Stow, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire reeling mechanism. 2,407,899; Sept. 17.

O'Brien, John C., assignor to General Railway Signal Company, Rochester, N. Y. Radio communication system. 2,407,846; Sept. 17.

O'Brochta, John, and H. Rodman, Jr., Pittsburgh, Pa., assignors, by mesne assignments, to Koppers Company, Inc. Separating carbazole from crudes thereof. 2,407,677; Sept. 17.

Oebbecke, Bernard F., Pittsburgh, Pa. Thermostatic switch plug. 2,407,764; Sept. 17.

Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermoelectric system. 2,407,678; Sept. 17.

Onyx Oil & Chemical Company, assignee: *See*—
Kaplan, Saul.

Otis Elevator Company, assignee: *See*—
Burke, Theodore H. D.

Page, Herbert E., Pasadena, Calif. Tripod jack. 2,407,796; Sept. 17.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Drilling apparatus. 2,407,679; Sept. 17.

Palmer, John F., Waukesha, Wis. Push-button pump type soap dispenser. 2,407,765; Sept. 17.

Palmquist, Philip V., New Canada Township, Ramsey County, B. S. Cross, and G. P. Netherly, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Reflex light reflector. 2,407,680; Sept. 17.

Parenti, Joseph S., Buffalo, N. Y. Internal-combustion engine. 2,407,681; Sept. 17.

Paul, Irving, Chicago, Ill. Combination lock and latch for doors. 2,407,900; Sept. 17.

Perfetti, John F., Dearborn, and H. E. Waldron, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Electrical machine. 2,407,935; Sept. 17.

Perrine, John H., Prospect Park, and H. L. Johnson, Norwood, assignors to Sun Oil Company, Philadelphia, Pa. Modified alkyd resins. 2,407,766; Sept. 17.

Persons, Lawrence M., Ladue, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Solenoid. 2,407,963; Sept. 17.

Peterson, Alfred T., Minneapolis, Minn. Push mower. 2,407,767; Sept. 17.

Peterson, Clarence J., assignor to Kingsburg Cotton Oil Co., Kingsburg, Calif. Dust collector. 2,407,722; Sept. 17.

Peterson, Donald W., Princeton, N. J., assignor to Radio Corporation of America. Radio frequency switch. 2,407,847; Sept. 17.

Petrie, John W., assignor to Petrie-Lewis Manufacturing Co., Inc., New Haven, Conn. Wand. 2,407,723; Sept. 17.

Petrie-Lewis Manufacturing Co., Inc., assignee: *See*—
Petrie, John W.

Petrolite Corporation, Ltd., assignee: *See*—
Monson, Louis T., Anderson, and Jenkins.

Petzold, Earl E., Burbank, Calif. Vane motor. 2,407,901; Sept. 17.

Phillips Petroleum Company, assignee: *See*—
Frey, Frederick E., and Snow.
Ray, Gardner C.
Wolk, I. Louis.

Phillipson, Maddison: *See*—
Jones, David G., and Phillipson.

Post, Norman W., Philadelphia, Pa. Wallet or purse. 2,407,964; Sept. 17.

Powderloys Limited, assignee: *See*—
Trent, Edward M.

Poz, William M., U. S. Navy, Park Ridge, N. J. Terminal weight. 2,407,682; Sept. 17.

Pratt, Verneur E., Norwalk, Conn., assignor to Microstat Corporation. Camera. 2,407,902; Sept. 17.

Predmore, Bert, assignor to The Seamless Rubber Company, New Haven, Conn. Making rubber goods. 2,407,768; Sept. 17.

Prentice, William G., Indianapolis, Ind. Cable splice vulcanizing mold. 2,407,683; Sept. 17.

Quinn, Edward, Saugus, and I. I. Hersey, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Method and machine for making prewelt shoes. 2,407,903; Sept. 17.

Radio Corporation of America, assignee: *See*—
Holtz, Robert F.
Kilgore, George R.
Peterson, Donald W.
Rose, Albert.
Shulman, Carl I., and Kilgore.
Wolf, Lester J.

Ramsey, Willis L., Parma, Mo. Bookrack or casing. 2,407,797; Sept. 17.

Rasley, Donald R., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Voltage rectifier. 2,407,724; Sept. 17.

Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of cyanoalkenes. 2,407,848; Sept. 17.

Regents of the University of Minnesota, assignee: *See*—
Smith, Lee I., and Renfrow.

Renfrow, William B., Jr.: *See*—
Smith, Lee I., and Renfrow.

Republic Aviation Corp., assignee: *See*—
Lescher, George W., and Steet.

Research Consultants Limited, assignee: *See*—
Smith, Frederick G.

Research Corporation, assignee: *See*—
Fieser, Louis F.
Milas, Nicholas A.

Reso, Sam: *See*—
Lindsay, John H., and Reso.

Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Bottle carrier. 2,407,798; Sept. 17.

Ritzert, Robert W., assignor to The Egry Register Co., Dayton, Ohio. Carbon feeding manifolding machines. 2,407,799; Sept. 17.

Roberts, Leland C., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio communication system. 2,407,684; Sept. 17.

Robinson, James D., assignee: *See*—
Le Roy, Frank.

Rodman, Hugh, Jr.: *See*—
O'Brochta, John, and Rodman.

Rogers, Walter E.: *See*—
Nye, Norman H., and Rogers.

Rohm & Haas Company, assignee: *See*—
Fenske, Merrell R., and Cummings.

Rosan, Joseph, North Hollywood, Calif. Removing and replacing inserts. 2,407,904; Sept. 17.

Rose, Albert, East Orange, N. J., assignor to Radio Corporation of America. Television transmitting apparatus and operation. 2,407,905; Sept. 17.

Rose, Albert, East Orange, N. J., assignor to Radio Corportation of America. Low velocity television transmitting apparatus. 2,407,906; Sept. 17.

Rost, Helge F., Djursholm, K. H. Thunell, Nockeby, S. D. Vigren, Stockholm, and P. H. E. Claesson, Jakobsberg, Sweden. Aerial drop bomb. 2,407,936; Sept. 17.

Roth, Joseph, Bronx, N. Y. Apparatus for firing pressed fuel. 2,407,849; Sept. 17.

Rudolph, Corrie F., Washington, D. C. Fluorescent light control. 2,407,685; Sept. 17.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene derivatives. 2,407,937; Sept. 17.

Runyon, Benjamin F.: *See*—
Butterfield, Joseph T., Knapp, and Runyon.

Ruskin, Frances R., assignee: *See*—
Ruskin, Simon L.

Ruskin, Simon L., New York, N. Y., assignor to F. R. Ruskin. Sulphanilamide derivatives and preparing same. 2,407,686; Sept. 17.

Sanderson, Leonard W., Toronto, Ontario, Canada. Motion display stand. 2,407,747; Sept. 17.

Schmidt, Edward, Andover, assignor to Lombard Governor Corporation, Asland, Mass. Rotary pump. 2,407,748; Sept. 17.

Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Refractory lining of metallurgical structures. 2,407,725; Sept. 17.

Schönander, Nils G., Stockholm, Sweden. X-ray screening apparatus. 2,407,938; Sept. 17.

Schwartz, Morris, and W. Castedello, assignors to The Kalart Company, Inc., Stamford, Conn. Range finder. 2,407,687; Sept. 17.

Sclater, Ivanhoe H., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,407,688; Sept. 17.

Scott, John E., Los Angeles, Calif. Material feed mechanism for sewing machines. 2,407,907; Sept. 17.

Seamless Rubber Company, The, assignee: *See*—
Predmore, Bert.

Seifried, Eugen, Waldkirch in Breisgau, Germany, assignor to United States of America, as represented by the Secretary of War. Subaqueous electric cutting. 2,407,850; Sept. 17.

Servel, Inc., assignee: *See*—
Ashby, Carl T.
Nauert, Carl H.
Taylor, Robert S.

Shannon, Joseph C., Leadville, Colo. Mineral classifier. 2,407,851; Sept. 17.

Sharp & Dohme, Incorporated, assignee: *See*—
Sprague, James M.

Sharples Corporation, The, assignee: *See*—
Jones, Leo D.

Shell Development Company, assignee: *See*—
Bailey, William A., Jr., and Burgin.
Burgin, James.
Cheney, Harry A.
Durham, Emmett L.

Shulman, Carl I., East Orange, and G. R. Kilgore, Verona, N. J., assignors to Radio Corporation of America. Electron discharge device. 2,407,706; Sept. 17.

Sidley, William P., trustee, assignee, et al.: *See*—
Geiger, William A.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Vehicle wheel. 2,407,749; Sept. 17.

Smith, Apollo M. O., Bell, assignor to Aerojet Engineering Corporation, Azusa, Calif. Reaction motor. 2,407,852; Sept. 17.

Smith, Frederick G., assignor to Research Consultants Limited, Toronto, Ontario, Canada. Temperature sensitive resistor. 2,407,750; Sept. 17.

Smith, L. B., Incorporated, assignee: *See*—
Smith, Luther B.

Smith, Lee L., Minneapolis, Minn., and W. B. Renfrow, Jr., Charlotte, N. C., assignors to Regents of the University of Minnesota, Minneapolis, Minn. Preparing chemical products. 2,407,726; Sept. 17.

Smith, Luther B., assignor to L. B. Smith Incorporated, Camp Hill, Pa. Roller. 2,407,965; Sept. 17.

Smith, Roland L., Belmont, Mass. Exposure timing mechanism. 2,407,800; Sept. 17.

Smith, Wolcott M., Springfield, Mass. Power supply regulating apparatus. 2,407,853; Sept. 17.

Snow, Robert D.: *See*—
Frey, Frederick E., and Snow.

Snyder, Albert W.: *See*—
Ciper, Anthony L., and Snyder.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Danner, Arthur V.
Fahnestock, Frank C., and Hagerbaumer.
Gorin, Everett.

Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Chemical process and product. 2,407,689; Sept. 17.

Southworth, George C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide electrotherapeutic system. 2,407,690; Sept. 17.

Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Clutch. 2,407,727; Sept. 17.

Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction clutch. 2,407,728; Sept. 17.

Sperry Gyroscope Company, Inc., assignee: *See*—
Costa, Philip J.
Esval, Orland E.
Holschuh, Carl G., and Fram.

Spotswood Specialty Co. Inc., assignee: *See*—
Mull, Arthur B.

Sprague, James M., Drexel Hill, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Diazine compounds. 2,407,966; Sept. 17.

Standard Oil Company, assignee: *See*—
Evering, Bernard L., d'Ouville, and Carmody.
Marschner, Robert F.
Marschner, Robert F., and Carmody.

Steet, Walter H.: *See*—
Lescher, George W., and Steet.

Steingard, Arthur T., New York, N. Y. Carbon holder. 2,407,854; Sept. 17.

Steinhilber, Berthold, assignor of two-fifths to G. L. Anger, Worcester, Mass. Belt sander. 2,407,939; Sept. 17.

Steinwand, Otto J., Redwood City, Calif. Preparing fruit for marmalades, etc. 2,407,801; Sept. 17.

Stelzer, William, East Orange, N. J. Hydraulic brake mechanism. 2,407,856; Sept. 17.

Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic press system. 2,407,855; Sept. 17.

Stevens, Clinton L., Jamestown, N. Y. Manufactured article of furniture. 2,407,940; Sept. 17.

Stewart, Robert J., assignor to Crown Cork & Seal Company, Baltimore, Md. Dust collector. 2,407,751; Sept. 17.

Stewart-Warner Corporation, assignee: *See*—
Berg, Howard O.

Stone, Roy A.: *See*—
North, Edwin W., and Stone.

Stotter, Herbert J., Shaker Heights, Ohio. Lined carton. 2,407,802; Sept. 17.

Sturtevant, B. F., Company, assignee: *See*—
Bentley, Oliver D. H.

Submarine Signal Company, assignee: *See*—
Batchelder, Laurence.
Benioff, Hugo.
Harrison, Bertram M.
Hart, Harold M.
Hart, Robert W.
Williams, Robert L.

Suchy, Robert, and G. Messner, Bitterfeld, Germany; vested in the Alien Property Custodian. Cell for the production of metals by electrolysis of fused electrolytes. 2,407,691; Sept. 17.

Sun Oil Company, assignee: *See*—
Courtenay, William A., Jr.
Perrine, John H., and Johnson.

Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T.

Tampax, Inc., assignee: *See*—
McLaughlin, John R.

Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Electrical signaling system. 2,407,910; Sept. 17.

Taylor, Robert S., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Catalytic igniter for gaseous fuels. 2,407,729; Sept. 17.

Taylor, Thomas M.: *See*—
Herwick, Ole, and Taylor.

Terhune, Ralph D., Ridgewood, N. J., assignor to The Bryant Heater Company, Cleveland, Ohio. Boiler. 2,407,941; Sept. 17.

Thomas, Albert W.: *See*—
Halliday, George F., and Thomas.

Thomas, Carrie D., assignee, et al.: *See*—
Thomas, Walter O.

Thomas, W. Maureen, assignee, et al.: *See*—
Thomas, Walter O.

Thomas, Walter O., Winter Park, Fla., assignor, by decree of distribution, to C. D. and W. M. Thomas. Fruit clipper. 2,407,803; Sept. 17.

Thompson, Arthur H.: *See*—
Engler, Kyle, Barger, and Thompson.

Thompson, Rebecca G., administratrix: *See*—
Engler, Kyle, Barger, and Thompson.

Thomson, Thomas, Kilmarnock, Scotland, assignor to Imperial Chemical Industries Limited. Surface coated propellent explosive powders. 2,407,967; Sept. 17.

Thunell, Karl H.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.

Timken-Detroit Axle Company, The, assignee: *See*—
Morgan, Mathew B.

Tonks, Lewi, and Le R. Apker, Schenectady, N. Y., assignors to General Electric Company. Wave propagation. 2,407,911; Sept. 17.

Trent, Edward M., assignor to Powderloys Limited, Coventry, England. Separating hard constituents from sintered hard metals. 2,407,752; Sept. 17.

Trojan Powder Company, assignee: *See*—
Wyler, Joseph A.

United-Carr Fastener Corporation, assignee: *See*—
Churchill, Wilmer H.
Griffin, Theodore R.

United Gas Improvement Company, The, assignee: *See*—
Soday, Frank J.

United Shoe Machinery Corporation, assignee: *See*—
Cross, Garrett P. S.
Quinn, Edward, and Hersey.

United States Catheter & Instrument Corp., assignee: *See*—
Jeckel, Norman C.

Universal Oil Products Company, assignee: *See*—
Huff, Lyman C.

Universal Tobacco Machine Co., Inc., assignee: *See*—
Lindsay, John H., and Reso.

Universal Wire Spring Company, The, assignee: *See*—
Neely, William H.

Vaughn Machinery Company, The, assignee: *See*—
Nye, Norman H., and Rogers.

Ventres, Elio C., Worcester, Mass. Work driving dog. 2,407,908; Sept. 17.

Verhoeff, Adrianus, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Company, Hartford, Conn., trustee. X-ray tube. 2,407,857; Sept. 17.

Vickers, Harry F., Washington, D. C., assignor, by mesne assignments, to Vickers, Incorporated, Detroit, Mich. Safety control for hoists. 2,407,692; Sept. 17.

Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Safety control for hoists and circuit therefor. 2,407,693; Sept. 17.

Vickers, Harry F., assignor to Vickers, Incorporated, Detroit, Mich. Hoist control and drive. 2,407,694; Sept. 17.

Vickers, Incorporated, assignee: *See*—
Vickers, Harry F.

Vigren, Sten D.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.

Vincent, George P., Poughkeepsie, N. Y., and A. L. Dubeau, Rumford, R. I., assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Purification of crude cellulosic material. 2,407,909; Sept. 17.

Von Stoeser, Walter, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Cup dispensing mechanism. 2,407,968; Sept. 17.

Waldorf Paper Products Company, assignee: *See*—
Guyer, Reynolds.

Waldron, Harold E.: *See*—
Perfetti, John F., and Waldron.

Wallgren, August G. F., assignor to Aktiebolaget Bolinder-Munktell, Eskilstuna, Sweden. Gear wheel pump. 2,407,753; Sept. 17.

Wallingford, Vernon H., Ferguson, and A. H. Homeyer, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Carbalkoxylation of organic compounds. 2,407,942; Sept. 17.

War, United States of America, as represented by the Secretary of, assignee: *See*—
Seifried, Eugen.

Ward Leonard Electric Company, assignee: *See*—
Logan, Frank G.

Washcoe, Wilfred C., Arlington County, Va. Rotor. 2,407,695; Sept. 17.

Webster, George C., U. S. Navy. Detent mechanism. 2,407,696; Sept. 17.

Welch, Alanson U., Jr., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,407,626; Sept. 17.

Westinghouse Air Brake Company, The, assignee: *See*—
Cook, Earle S.
Down, Sidney G.
Good, John N.
McCure, Glenn T.

Westinghouse Electric Corporation, assignee: *See*—
Whitefield, Kyle C.

Wethers, Clifford H., Detroit, Mich. Roller for twister machines. 2,407,730; Sept. 17.

Whitefield, Kyle C., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus. 2,407,858; Sept. 17.

Whitehead, George W., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Resin molding composition. 2,407,943; Sept. 17.

Wilde, Arthur, assignee, et al.: *See*—
Hull-Ryde, Arthur.

Williams, Elmer R., Tulsa, Okla. Pressure relief valve. 2,407,754; Sept. 17.

Williams, Robert L., Newton, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,407,697; Sept. 17.

Wilson, Russel S., Filer, Idaho. Mechanical movement. 2,407,859; Sept. 17.

Winchel, Henry T., North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Radio cabinet and shockmount base. 2,407,804; Sept. 17.

Withall, Albert P., trustee, assignee, et al.: *See*—
Geiger, William A.

Witham, Marion R., Westfield, N. J. Shoulder pad. 2,407,755; Sept. 17.

Wolf, Lester J., Audubon, N. J., assignor to Radio Corporation of America. Communication system for ultra-high frequencies. 2,407,860; Sept. 17.

Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating hydrocarbons. 2,407,861; Sept. 17.

Woodruff, Albert E., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Receiver ear piece. 2,407,731; Sept. 17.

Woodward, Eric R.: *See*—
Hutchinson, Willis S., and Woodward.

Worthington Pump and Machinery Corporation, assignee: *See*—
McBride, Thomas C.

Wright Aeronautical Corp., assignee: *See*—
Hill, Henry C.

Wulff, John, Cambridge, Mass. Producing metal powders of high alloy content. 2,407,862; Sept. 17.

Wurlitzer, Rudolph, Co., The, assignee: *See*—
Von Stoeser, Walter.

Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Explosive composition. 2,407,805; Sept. 17.

Yocum, Cleo G.: *See*—
Deurmyer, Richard H., and Yocum.

Young, James G., Shreveport, La., assignor to Bird & Son, Inc., East Walpole, Mass. Saturating fibrous sheet material. 2,407,756; Sept. 17.

Youngstown Sheet and Tube Company, The, assignee: *See*—
Gettig, Martin S., and Engelbaugh.

Youngstrom, Axel H., Minneapolis, Minn. Multiple filing spindle. 2,407,732; Sept. 17.

Ziegler, Marc, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Reception of frequency modulated waves. 2,407,863; Sept. 17.

Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Safety operating handle for car door mechanism. 2,407,912; Sept. 17.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Boiler. L. Satchwell. Re. 22,793; Sept. 17.
Riveted structure and making the same. L. C. Huck. Re. 22,792; Sept. 17.

LIST OF PLANT INVENTIONS

Apple tree. A. F. Etter. Plant Pat. 710; Sept. 17.

LIST OF DESIGN INVENTIONS

Clothespin. A. M. Jacobson. 145,602; Sept. 17.
Coat. M. Frascino. 145,597; Sept. 17.
Coat. H. Goldberg. 145,598–9; Sept. 17.
Coat, Child's. E. Fischer. 145,596; Sept. 17.
Handle for valves or the like. M. J. Rausch. 145,604; Sept. 17.
Handle or similar article, Drawer. J. White. 145,606; Sept. 17.
Handle or the like, Faucet. R. H. Zinkil. 145,607; Sept. 17.
Pump head, Deep well. E. M. Deters. 145,595; Sept. 17.
Shoe. S. Huberman. 145,600; Sept. 17.
Spit Barbecue, Rotatable. L. C. Hufford and L. R. Gray. 145,601; Sept. 17.
Toothpick assembly, Detachable. G. E. Millard. 145,603; Sept. 17.
Vending machine. O. V. Wells. 145,605; Sept. 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid reagents, Making. F. C. Fahnestock and W. A. Hagerbaumer. 2,407,822; Sept. 17.
Airplane construction. H. D. Fowler. 2,407,774; Sept. 17.
Aligning device for tools. R. O. Nemeyer. 2,407,845; Sept. 17.
Aliphatic polycarboxylic amino acids and making them. F. C. Bersworth. 2,407,645; Sept. 17.
Alkanes, Production of branched chain. E. W. M. Fawcett. 2,407,637; Sept. 17.
Alkyl resins, Modified. J. H. Perrine and H. L. Johnson. 2,407,766; Sept. 17.
Aluminum articles, Treatment of oxide coated. E. V. Blackmun. 2,407,809; Sept. 17.
Amino amide compounds. S. Kaplan. 2,407,703; Sept. 17.
Antihemorrhagic esters and producing the same. L. F. Fieser. 2,407,823; Sept. 17.
Apparatus for applying tread material to tire casings. M. V. Arnold and J. W. Napier. 2,407,806; Sept. 17.
Apparatus for comparing pressures. H. W. Gilfillan 2,407,925; Sept. 17.
Apparatus for delivering elongated cylindrical articles. M. S. Gettig and H. E. Engelbaugh. 2,407,638; Sept. 17.
Apparatus for firing pressed fuel. J. Roth. 2,407,849; Sept. 17.
Apparatus for submarine signaling. L. Batchelder. 2,407,643; Sept. 17.
Apparatus for submarine signaling. R. L. Williams. 2,407,697; Sept. 17.
Apparatus for testing waterproof watchcases. W. O. Bennett, Jr. 2,407,945; Sept. 17.
Apparatus for the clarification of liquids. A. Butcher. 2,407,947; Sept. 17.
Applicator, Liquid. I. H. Daniel. 2,407,770; Sept. 17.
Aqueous solution of riboflavin. J. C. Bird and A. Kuna. 2,407,624; Sept. 17.
Articles from fibrous material, Manufacturing. B. Jablonsky. 2,407,833; Sept. 17.
Attachment for grinding machines. A. W. Keema. 2,407,835; Sept. 17.
Automatic direction indicator. F. W. Nilson. 2,407,934; Sept. 17.
Bandage, Finger. R. Beckerman. 2,407,735; Sept. 17.
Bathtub. L. A. Falco. 2,407,738; Sept. 17.
Bearing. O. D. H. Bentley. 2,407,807; Sept. 17.
Bed, Chair. L. Arzt. 2,407,864; Sept. 17.
Bed, Hospital. O. Mehr. 2,407,892; Sept. 17.
Binding element. C. E. Emmer. 2,407,656; Sept. 17.
Boat. C. H. Kearny. 2,407,666; Sept. 17.
Boiler. R. D. Terhune. 2,407,941; Sept. 17.
Bottle carrier. W. A. Ringler. 2,407,798; Sept. 17.
Box or container, Dispensing. K. T. Buttery. 2,407,919; Sept. 17.
Brake: *See*—
Hydraulic brake.
Brake apparatus, Variable load. E. S. Cook. 2,407,870; Sept. 17.
Brake compressor and the like, Compound hydraulic. A. Hull-Ryde. 2,407,957; Sept. 17.
Brake mechanism, Hydraulic. W. Stelzer. 2,407,856; Sept. 17.
Broach, Rotary. J. Delleo. 2,407,921; Sept. 17.
Building construction, Miniature sectional. E. Hayden. 2,407,927; Sept. 17.
Cabinet and shockmount base, Radio. H. T. Winchel. 2,407,804; Sept. 17.
Cable splice vulcanizing mold. W. G. Prentice. 2,407,683; Sept. 17.
Camera. V. E. Pratt. 2,407,902; Sept. 17.
Can-beading machine. W. I. Gladfelter and W. A. Ehrlich. 2,407,776; Sept. 17.
Carbalkoxylation of organic compounds. V. H. Wallingford and A. H. Homeyer. 2,407,942; Sept. 17.
Carbazole from crudes thereof, Separating. J. O'Brochta and H. Rodman, Jr. 2,407,677; Sept. 17.
Carbon holder. A. T. Steingard. 2,407,854; Sept. 17.
Carrier: *See*—
Bottle carrier.
Human carrier.
Orifice plate carrier.
Carton, Lined. H. J. Stotter. 2,407,802; Sept. 17.
Casing, Toy and ball. E. C. Bailliere. 2,407,734; Sept. 17.
Catalysts. H. A. Cheney. 2,407,814; Sept. 17.
Catalysts, Manufacture of supported. H. A. Cheney. 2,407,813; Sept. 17.
Catalytic conversion of carbonaceous materials. J. Burgin. 2,407,918; Sept. 17.
Catalytic conversion of hydrocarbons and the preparation of catalysts therefor. W. A. Bailey, Jr. and J. Burgin. 2,407,914; Sept. 17.
Catheter. N. C. Jeckel. 2,407,929; Sept. 17.
Cathode ray apparatus. D. E. Norgaard. 2,407,898; Sept. 17.
Cell for the production of metals by electrolysis of fused electrolytes. R. Suchy and G. Messner. 2,407,691; Sept. 17.
Cellulose ester compositions, Molding. H. K. Nason. 2,407,962; Sept. 17.
Cellulosic material, Purification of crude. G. P. Vincent and A. L. Dubeau. 2,407,909; Sept. 17.
Cementitious material, Plastic. G. Ferrante. 2,407,739; Sept. 17.
Centrifugal separation. L. D. Jones. 2,407,834; Sept. 17.
Ceramics and making same, Fluorine-containing. W. A. Fraser. 2,407,874; Sept. 17.
Chair: *See*—
Convertible rocking chair.
High chair.
Chair and cot, Combination. F. Keest. 2,407,786; Sept. 17.
Chemical process and product. F. J. Soday. 2,407,689; Sept. 17.
Chemical products, Preparing. L. I. Smith and W. B. Renfrow, Jr. 2,407,726; Sept. 17.
Chuck, Attachment. F. R. Maxwell. 2,407,932; Sept. 17.
Clamp: *See*—
Rotatable bus support clamp.
Classifier, Mineral. J. C. Shannon. 2,407,851; Sept. 17.
Cleaner: *See*—
Grain cleaner.
Clipper, Fruit. W. O. Thomas. 2,407,803; Sept. 17.
Closure for cartons. E. J. Biskamp. 2,407,865; Sept. 17.
Clothesline cover. L. M. Littlejohn. 2,407,959; Sept. 17.
Clutch: *See*—
Friction clutch.
Magnetic clutch.
Clutch. C. B. Spase. 2,407,727; Sept. 17.
Clutch and bearing construction. A. Y. Dodge. 2,407,772; Sept. 17.
Clutches to speed gears, Connection of. G. F. Halliday and A. W. Thomas. 2,407,955; Sept. 17.
Coating composition, Fire resistant. M. Leatherman. 2,407,668; Sept. 17.
Coil, Shielded. H. O. Berg. 2,407,916; Sept. 17.
Collector, Dust. C. J. Peterson. 2,407,722; Sept. 17.
Collector, Dust. R. J. Stewart. 2,407,751; Sept. 17.
Combination hand tool. L. C. Hotvedt. 2,407,832; Sept. 17.
Communication system for ultra high frequencies. L. J. Wolf. 2,407,860; Sept. 17.
Communication system, Radio. J. C. O'Brien. 2,407,846; Sept. 17.
Communication system, Radio. L. C. Roberts. 2,407,684; Sept. 17.
Comparison system, Phase. M. Fuchs. 2,407,659; Sept. 17.
Connecting unit, Electrical. J. B. Miller. 2,407,894; Sept. 17.
Connector: *See*—
Quick-release connector.
Constituents from sintered hard metals, Separating hard. E. M. Trent. 2,407,752; Sept. 17.
Construction and assembly of electron discharge tube. J. H. O. Harries. 2,407,742; Sept. 17.
Construction for electric storage batteries. G. R. Godber. 2,407,826; Sept. 17.
Contact for electrical devices, Wiper. J. T. Butterfield, H. M. Knapp, and B. F. Runyon. 2,407,650; Sept. 17.
Container and making same. F. Gilbert, Jr. 2,407,639; Sept. 17.
Control system. J. L. Bower. 2,407,866; Sept. 17.
Control system, Follow-up. S. Godet. 2,407,876; Sept. 17.
Convertible rocking chair. M. G. Lemos. 2,407,839; Sept. 17.
Cooker, Pressure. J. H. Chandler. 2,407,627; Sept. 17.
Core, Magnetic. F. F. Brand. 2,407,625; Sept. 17.
Core, Magnetic. I. H. Sclater. 2,407,688; Sept. 17.
Core, Magnetic. A. U. Welch, Jr. 2,407,626; Sept. 17.

Cover: *See*—
Clothesline cover.
Cover remover, Bottle cap or jar. R. A. Mitchell. 2,407,793; Sept. 17.
Cowling and like socket fastener member, Shiftable. W. H. Churchill. 2,407,815; Sept. 17.
Cutter teeth, Treating. R. W. Ashworth. 2,407,642; Sept. 17.
Cyanoalkenes, Production. G. C. Ray. 2,407,848; Sept. 17.
Dam structure. E. D. del Castillo y Espanol. 2,407,952; Sept. 17.
Detent mechanism. G. C. Webster. 2,407,696; Sept. 17.
Detergent in bar form and making same, Synthetic organic nonsoap. J. W. Bodman. 2,407,647; Sept. 17.
Device for annealing leers, Transferring. G. W. Herrold. 2,407,664; Sept. 17.
Device for maintaining film loops. C. L. Nelson. 2,407,795; Sept. 17.
Diaphragm pump. J. O. McMillan. 2,407,792; Sept. 17.
Diazine compounds. J. M. Sprague. 2,407,966; Sept. 17.
Diolefins, Producing and concentrating. F. E. Frey and R. D. Snow. 2,407,825; Sept. 17.
Direction-controlling mechanism for guns. G. P. S. Cross. 2,407,871; Sept. 17.
Direction finding system. H. T. Budenbom. 2,407,649; Sept. 17.
Dispenser: *See*—
Push-button pump type soap dispenser.
Dispenser and applier, Adhesive tape. A. A. Anderson. 2,407,641; Sept. 17.
Dispenser control, Bead. D. H. Clark. 2,407,628; Sept. 17.
Dispensing mechanism, Cup. W. Von Stoeser. 2,407,968; Sept. 17.
Distance and direction finding. R. W. Hart. 2,407,663; Sept. 17.
Door and operating means therefor. D. H. Morgan. 2,407,674; Sept. 17.
Drier. K. Engler, E. L. Barger, and A. H. Thompson. 2,407,636; Sept. 17.
Drilling apparatus. W. W. Paget. 2,407,679; Sept. 17.
Dropbomb, Aerial. H. F. Frost, K. H. Thunell, S. D. Vigren, and P. H. E. Claesson. 2,407,936; Sept. 17.
Dyestuff, Anthraquinone acid. J. G. Kern. 2,407,704; Sept. 17.
Ear piece, Receiver. A. E. Woodruff. 2,407,731; Sept. 17.
Electric switch. F. G. Logan. 2,407,710; Sept. 17.
Electrical machine. J. F. Perfetti and H. E. Waldron. 2,407,935; Sept. 17.
Electron discharge device. G. R. Kilgore. 2,407,705; Sept. 17.
Electron discharge device. G. R. Kilgore. 2,407,707; Sept. 17.
Electron discharge device. G. R. Kilgore and L. Malter. 2,407,708; Sept. 17.
Electron discharge device. C. I. Shulman and G. R. Kilgore. 2,407,706; Sept. 17.
Electrotherapeutic system, Wave guide. G. C. Southworth. 2,407,690; Sept 17.
Emulsions, Resolving oil-in-water. L. T. Monson, W. W. Anderson, and F. W. Jenkins. 2,407,895; Sept. 17.
Engine: *See*—
Internal-combustion engine. Turbine engine.
Evaporator for inert gas type absorption refrigerators, Two temperature. C. T. Ashby. 2,407,733; Sept. 17.
Evaporator, Refrigerant. G. R. Goldsmith. 2,407,827; Sept. 17.
Explosive composition. J. A. Wyler. 2,407,805; Sept. 17.
Eyrthrina alkaloid and its production. R. T. Major and K. Folkers. 2,407,713; Sept. 17.
Fabric articles, Preparation for treating launderable. H. Engler. 2,407,635; Sept. 17.
Fastening device. A. G. Herreshoff and W. Lamb. 2,407,928; Sept. 17.
Fastening device. W. R. MacCluney. 2,407,758; Sept. 17.
Fastening device, Garment. E. Di Ianni. 2,407,969; Sept. 17.
Feed mechanism for sewing machines, Material. J. E. Scott. 2,407,907; Sept. 17.
Feeding means for manifolding machines, Carbon. R. W. Ritzert. 2,407,799; Sept. 17.
Fibrous sheet material, Saturating. J. G. Young. 2,407,756; Sept. 17.
Fire control computor, Aircraft. C. G. Holschuh and D. Fram. 2,407,665; Sept. 17.
Fishhook. R. K. McDougal. 2,407,759; Sept. 17.
Fluid reactants, Conversion of. L. C. Huff. 2,407,700; Sept. 17.
Fluid valve. G. J. Koehler. 2,407,789; Sept. 17.
Fluorspar by froth flotation, Concentrating. J. B. Clemmer and B. H. Clemmons. 2,407,651; Sept. 17.
Footrest for embalming tables. W. H. Cawood. 2,407,948; Sept. 17.
Frequency modulated waves, Reception of. M. Ziegler. 2,407,863; Sept. 17.
Friction clutch. C. B. Spase. 2,407,728; Sept. 17.
Fruit for marmalades, Preparing fruit. O. J. Steinwand. 2,407,801; Sept. 17.
Furniture handle. E. W. North and R. A. Stone. 2,407,763; Sept. 17.
Furniture, Manufactured article of. C. L. Stevens. 2,407,940; Sept. 17.
Fuse, Bomb. E. C. Moriarty. 2,407,844; Sept. 17.
Garment. J. J. Kispert. 2,407,885; Sept. 17.
Garment hanger. F. Le Roy. 2,407,841; Sept. 17.
Gauge: *See*—
Saw filing gauge.
Gear wheel pump. A. G. F. Wallgren. 2,407,753; Sept. 17.
Gearing, Vehicle drive axle. M. B. Morgan. 2,407,675; Sept. 17.
Generator: *See*—
Harmonic generator. Synchronizing signal generator.
Permanent magnet field generator.
Reciprocating pressure generator.
Generator. W. S. Hutchinson and E. R. Woodward. 2,407,882; Sept. 17.
Glider. H. C. Grawunder. 2,407,777; Sept. 17.
Governor valve. T. B. Martin and J. F. Haines. 2,407,791; Sept. 17.
Grain cleaner. W. E. Dempsey. 2,407,653; Sept. 17.
Guideway for sliding windows. P. Mesnel. 2,407,671; Sept. 17.
Handle: *See*—
Furniture handle.
Handle for car door mechanism, Safety operating. A. E. Zimmer. 2,407,912; Sept. 17.
Hanger: *See*—
Garment hanger.
Hanger and lamp lowering and hoisting means, Elevated. A. L. Ciper and A. W. Snyder. 2,407,869; Sept. 17.
Harmonic generator. R. J. Kircher. 2,407,667; Sept. 17.
Heat-treatment of glass articles, Carrying out. E. Greetham. 2,407,878; Sept. 17.
High chair. J. W. Best. 2,407,646; Sept. 17.
Hoe. G. Gallus. 2,407,740; Sept. 17.
Hoist. E. W. Brundage. 2,407,811; Sept. 17.
Hoist control and drive. H. F. Vickers. 2,407,694; Sept. 17.
Hoist, Vehicle. W. A. Courtenay, Jr. 2,407,629; Sept. 17.
Holder: *See*—
Carbon holder.
Holder for use in electric welding, Electrode. F. G. Ketelbey and G. Mason. 2,407,836; Sept. 17.
Hook: *See*—
Manually operated arresting hook.
Human carrier. W. J. Maloney. 2,407,714; Sept. 17.
Hydraulic brake. H. C. Hill. 2,407,699; Sept. 17.
Hydrocarbon conversion process. E. Gorin. 2,407,828; Sept. 17.
Hydrocarbons, Converting. A. V. Danner. 2,407,817; Sept. 17.
Hydrocarbons, Manufacture of halogenated. D. G. Jones and M. Phillipson. 2,407,701; Sept. 17.
Hydrocarbons, Separating aromatic. E. L. Durrum. 2,407,820; Sept. 17.
Hydrocarbons, Treating. I. L. Wolk. 2,407,861; Sept. 17.
Igniter for gaseous fuels, Catalytic. R. S. Taylor. 2,407,729; Sept. 17.
Illuminating device. J. R. Gorder. 2,407,829; Sept. 17.
Indenting device. B. N. Engle. 2,407,821; Sept. 17.
Index mechanism, Rotary. R. D. Leonard. 2,407,840; Sept. 17.
Indicating system, Electrical. L. Boddy. 2,407,810; Sept. 17.
Indicator: *See*—
Automatic direction indicator.
Indicator for valves. C. H. Bassett. 2,407,944; Sept. 17.
Inserts, Removing and replacing. J. Rosan. 2,407,904; Sept. 17.
Insole, Resilient. M. Margolin. 2,407,670; Sept. 17.
Interlock apparatus. J. N. Good. 2,407,877; Sept. 17.
Internal-combustion engine. R. H. Knauss. 2,407,788; Sept. 17.
Internal-combustion engine. J. S. Parenti. 2,407,681; Sept. 17.
Jack: *See*—
Tripod jack.
Joint: *See*—
Rotary joint.
Lamp for motor vehicles and the like, Inspection. M. C. Erasmus. 2,407,737; Sept. 17.
Latch and lock, Indoor. H. E. Frost. 2,407,775; Sept. 17.
Leveler, Finishing. A. G. Gurries. 2,407,780; Sept. 17.
Lift, Mechanical power. J. Morkoski. 2,407,762; Sept. 17.
Light control, Fluorescent. C. F. Rudolph. 2,407,685; Sept. 17.
Lining of metallurgical structures, Refractory. R. A. Schoenlaub. 2,407,725; Sept. 17.
Lock and latch for doors, Combination. I. Paul. 2,407,900; Sept. 17.

Lock nut. T. R. Griffin. 2,407,830; Sept. 17.
Lubricating composition. M. R. Fenske and G. H. Cummings. 2,407,954; Sept. 17.
Lubricator. T. C. McBride. 2,407,842; Sept. 17.
Magnetic clutch. A. M. MacCallum. 2,407,757; Sept. 17.
Manually operated arresting hook. G. W. Lescher and W. H. Steet. 2,407,709; Sept. 17.
Measuring apparatus. W. H. Kliever. 2,407,838; Sept. 17.
Measuring machine, Warpage. A. A. Boehm, Jr. 2,407,648; Sept. 17.
Merry-go-round for playgrounds and the like. D. A. McDonald. 2,407,843; Sept. 17.
Metal powders of high alloy content, Producing. J. Wulff. 2,407,862; Sept. 17.
Mill: *See*—
Pepper mill.
Modulation system, Phase. E. Labin. 2,407,887; Sept. 17.
Mold: *See*—
Cable splice vulcanizing mold.
Motion display stand. L. W. Sanderson. 2,407,747; Sept. 17.
Motor: *See*—
Reaction motor. Vane motor.
Mount, Machine gun. G. Johnston. 2,407,884; Sept. 17.
Movement, Mechanical. R. S. Wilson. 2,407,859; Sept. 17.
Mower, Push. A. T. Peterson. 2,407,767; Sept. 17.
Navigator. A. Meyer. 2,407,893; Sept. 17.
Nozzle, Injection. T. M. Ball. 2,407,915; Sept. 17.
Nut, Composite. O. Haas. 2,407,879; Sept. 17.
Nylon, Recovering the salt-forming components of. C. D. Myers. 2,407,896; Sept. 17.
Olefins, Polymerization of. B. L. Evering, E. L. d'Ouville, and D. R. Carmody. 2,407,873; Sept. 17.
1-alkyl-8-methyl hexahydroindanone-4, Synthesis of. N. A. Milas. 2,407,672; Sept. 17.
1-keto-8-methylhexahydroindanol-1, Synthesis of. N. A. Milas. 2,407,673; Sept. 17.
Orifice plate carrier. P. P. Daniel. 2,407,951; Sept. 17.
Oscillating welding rod. J. E. Johnson. 2,407,746; Sept. 17.
Packsack. R. Kernahan. 2,407,787; Sept. 17.
Pad: *See*—
Shoulder pad.
Peeler, Potato. C. H. Dolan, II. 2,407,819; Sept. 17.
Pentaerythritol, Producing. R. F. B. Cox. 2,407,920; Sept. 17.
Pepper mill. E. L. Bivans. 2,407,808; Sept. 17.
Perambulator. E. W. Grove, III. 2,407,779; Sept. 17.
Permanent magnet field generator. C. Jackson. 2,407,883; Sept. 17.
Piston. R. W. Dexter and P. L. Loewe. 2,407,631; Sept. 17.
Piston device. S. G. Down. 2,407,872; Sept. 17.
Plug: *See*—
Thermostatic switch plug.
Plywood parts, Building and forming. H. J. Luth. 2,407,711; Sept. 17.
Pocket, Concealed garment. J. Lesser. 2,407,888; Sept. 17.
Pocketknife. G. W. Newman. 2,407,897; Sept. 17.
Powders, Surface coated propellent explosive. T. Thomson. 2,407,967; Sept. 17.
Preheat system, Carburetor. F. C. Melchior. 2,407,719; Sept. 17.
Press system, Hydraulic. W. T. Stephens. 2,407,855; Sept. 17.
Pressure device, Fluid. F. W. Guibert and F. B. Fuller. 2,407,698; Sept. 17.
Pressure relief valve. E. R. Williams. 2,407,754; Sept. 17.
Prewelt shoes, Method and machine for making. E. Quinn and I. I. Hersey. 2,407,903; Sept. 17.
Protection for electron tubes. R. F. Holtz. 2,407,880; Sept. 17.
Pump: *See*—
Diaphragm pump. Rotary pump.
Gear wheel pump.
Pump. G. E. Gall. 2,407,923; Sept. 17.
Punching machine, Cigar. J. H. Lindsay and S. Reso. 2,407,931; Sept. 17.
Push-button pump type soap dispenser. J. F. Palmer. 2,407,765; Sept. 17.
Quick-release connector. F. G. Manson. 2,407,715; Sept. 17.
Rack or casing, Book. W. L. Ramsey. 2,407,797; Sept. 17.
Radio frequency switch. D. W. Peterson. 2,407,847; Sept. 17.
Range finder. J. Bolsey. 2,407,917; Sept. 17.
Range finder. M. Schwartz and W. Castedello. 2,407,687; Sept. 17.
Ranging system. H. Benioff. 2,407,644; Sept. 17.
Reaction motor. A. M. O. Smith. 2,407,852; Sept. 17.
Receiver, Television. P. Deserno. 2,407,654; Sept. 17.
Reciprocating pressure generator. R. G. Le Tourneau. 2,407,790; Sept. 17.
Reciprocating tool. E. M. Hoover. 2,407,785; Sept. 17.
Rectifier, Voltage. D. R. Rasley. 2,407,724; Sept. 17.
Reeling mechanism, Wire. N. H. Nye and W. E. Rogers. 2,407,899; Sept. 17.
Reflector, Reflex light. P. V. Palmquist, B. S. Cross, and G. P. Netherly. 2,407,680; Sept. 17.
Refractory articles, Treating. T. H. D. Burke. 2,407,868; Sept. 17.
Refrigerating apparatus. C. H. Nauert. 2,407,721; Sept. 17.
Refrigerating mechanism. G. Muffly. 2,407,794; Sept. 17.
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Rotatable bus support clamp. I. F. Matthysse. 2,407,961; Sept. 17.
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Safety control for hoists and circuits therefor. H. F. Vickers. 2,407,693; Sept. 17.
Sander, Belt. B. Steinhilber. 2,407,939; Sept. 17.
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Superfuel, Aviation. R. F. Marschner. 2,407,717; Sept. 17.
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Wringer. D. K. Ferris. 2,407,922; Sept. 17.
X-ray tube. A. Verhoeff. 2,407,857; Sept. 17.
Yarn, Paper. K. Hamilton. 2,407,926; Sept. 17.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 17, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1946

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 590—No. 4 TUESDAY, SEPTEMBER 24, 1946 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

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Notice of Cancellation

U. S. Patent Office, *Richmond, Va., August 21, 1946.*

American Gear Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Burd Piston Ring Company, 2401 Tenth Street, Rockford, Ill., to effect the cancellation of trade-mark registration of American Gear Company, 212 South Horton Street, Jackson, Mich., No. 228,726, dated June 7, 1927, and the notice of such proceeding sent by registered mail to the said American Gear Company, at the said address, having been returned by the post office undeliverable, notice is hereby given that unless said American Gear Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Trade-Mark Registrations Canceled

39,209. Glass tubes. Schott & Gen., Jena, Germany. Registered Nov. 4, 1902. Canceled July 9, 1946.

214,552. Imitation pearls. Felix Guillard, Paris, France. Registered June 29, 1926. Canceled July 9, 1946.

254,217. Certain named heat protecting and insulating material. Eduard Dyckerhoff, Schloss-Blumenau, near Wunstorf, Germany. Registered Mar. 12, 1929. Canceled July 9, 1946.

309,823. Certain named clothing. Goodman Suss Clothes Corporation, New York, N. Y. Registered Jan. 30, 1934. Canceled Aug. 7, 1946.

412,788. Hair nets. Lewis Messinger, New York, N. Y. Registered Mar. 27, 1945. Canceled July 9, 1946.

Drawings

Rule 38

38. When there are drawings, the description will refer to the different views by figures and to the different parts by letters or numerals (preferably the latter).

Rule 52—Extract

(*f*) The different views should be consecutively numbered. Letters and figures of reference must be carefully formed. They should, if possible, measure at least one-eighth of an inch in height, so that they may bear reduction to one twenty-fourth of an inch; and they may be much larger when there is sufficient room. They must be so placed in the closed and complex parts of drawings as not to interfere with a thorough comprehension of the same, and therefore should rarely cross or mingle with the lines. When necessarily grouped around a certain part, they should be placed at a little distance, where there is available space, and connected by short lines with the parts to which they refer and by short broken lines when the number or letters refer to parts shown in dotted lines. They should not be placed upon shaded surfaces, and when it is difficult to avoid this, a blank space must be left in the shading where the letter occurs, so that it shall appear perfectly distinct and separate from the work. If the same part of an invention appears in more than one view of the drawing it must always be represented by the same character, and the same character must never be used to designate different parts.

It is suggested that numerals or letters be used without exponents.

Adjudicated Patent

(C. C. A. N. Y.) Dugan patent, No. 1,959,254, for an airplane mechanism, claims 1, 2, 3, 4, and 6 *Held* invalid. *Dugan* v. *Lear, Inc.*, 156 F.(2d) 29; 69 USPQ 357.

Condition of Applications Under Examination at Close of Business September 6, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 123,332; Trade-Mark Division, 10,061. Oldest new case, March 23, 1945; oldest amended, March 21, 1945.)

(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 11	June 18	2229
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 1	June 5	2716
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	May 23	May 19	1948
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	May 28	Aug. 24	2190
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 1	3438
6. GENIESSE, E. W., Carbon Chemistry (part)	Oct. 10	Oct. 16	1701
7. JARBOE, C. G., Optics, Photography	Oct. 23	Oct. 16	2046
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 7	July 26	2933
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 18	Apr. 19	2029
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	July 18	July 14	1478
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Jan. 31	Feb. 13	657
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 6	June 21	2384
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 13	June 28	1939
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Sept. 22	Sept. 21	1365
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	May 25	Aug. 12	1244
16. LOVEWELL, N. N., Telegraphy; Telephony	Aug. 24	Aug. 30	1200
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 10	Mar. 21	1098
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	May 28	June 29	1706
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 27	Sept. 26	1526
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 8	June 9	1732
21. THOMPSON, T. J., Textiles	Nov. 1	Jan. 12	737
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	June 29	1786
23. LEWIS, J. B., Cash Registers; Calculators (part)	May 28	July 13	238
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Jan. 10	Jan. 8	1079
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	July 9	Aug. 8	1464
26. YOUNG, R. R., Electricity—Generation and Motive Power	June 15	June 1	1821
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	May 10	June 5	1911
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	May 24	Apr. 3	1338
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	July 4	June 30	2055
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 3	July 11	2205
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Feb. 23	Feb. 20	936
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Aug. 29	Sept. 7	1852
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	July 27	July 25	2606
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 4	Aug. 29	1148
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	July 18	Sept. 21	1781
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1524
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 14	May 3	1324
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Aug. 9	July 21	1221
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	May 1	May 1	2290
40. DRUMMOND, E. J., Receptacles (part); Packages	Aug. 10	Sept. 26	2264
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles: Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 24	July 3	850
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Sept. 21	Sept. 21	962
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	June 14	July 2	1262
44. HARVEY, L. P., Refrigeration; Preserving	Apr. 24	June 4	1155
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 16	July 14	2339
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 3	Aug. 9	1363
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 4	Oct. 1	2461
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Apr. 5	Apr. 9	1867
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 3	Aug. 6	1516
50. LEVIN, SAMUEL, Synthetic Resins	Sept. 13	Sept. 13	2228
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	June 7	June 11	2184
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 4	July 13	2890
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 17	May 12	3039
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 22	May 24	2047
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Aug. 10	Sept. 4	1551
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	July 11	July 12	1482
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Mar. 23	May 21	2608
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	May 21	Dec. 5	1196
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	May 14	June 7	2014
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Aug. 14	1790
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	June 7	June 21	2395
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 5	Apr. 12	3285
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	June 2	Apr. 27	1941
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Feb. 2	Feb. 2	1027
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	May 23	May 26	2339
TRADE-MARKS. RICHMOND, F. A.	Dec. 17	†May 21	10061
DESIGNS: KALUPY, H. H.	Nov. 24	†June 6	6342

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE BARNETT

*No. 5,088. Decided June 7, 1946**

[155 F.(2d) 540; 69 USPQ 609]

1. PATENTABILITY—TEA BAGS.

Certain claims to tea bags *Held* properly rejected "on the ground of aggregation and the lack of invention resting in the printed legend, 'tea,' on the handle of the bags."

2. APPEAL—REJECTION.

Held that the Board of Appeals had the right to apply a new ground of rejection if it saw fit.

3. PATENTABILITY—METHOD.

"It is a well-settled rule in patent law that a method claim, though defining the method of the machine or its operation, is allowable in the same application with the machine claims if the thing accomplished by the machine could be done by another method or by hand."

4. SAME—SAME.

"If the machine performs a new, useful, inventive method, the party is entitled to method claims along with his machine claims not only because his method requires protection but because they are related inventions."

5. SAME—SAME.

"The method of the operation of the machine may, in some instances, be inventive when considered independently of the machine, or may be a related invention to that of the machine and allowable only as claims for a dependent invention in the same application as that of the machine."

6. SAME—SAME.

"The claims for a method which depend upon a machine and which are allowable only along with article claims in one application should never be measured, when their allowability is being considered, by the standard which would be required if they were in a separate application and for a separate and unrelated invention."

7. SAME—SAME.

"There is respectable authority supporting the conclusion that in certain cases where it is apparent that difficulty is encountered in defining the article invented and where method claims in the same application with allowable article claims serve the purpose of better defining the article than the article claims, and are intended to define nothing more than the article, such method claims should be allowed for that reason."

8. SAME—SAME.

Held that appellant's claimed tea bags may be made by more than one method; that certain of the appealed claims to a method of making tea bags are true method claims; and that they "should be allowed in the instant application along with the article claims as a dependent invention."

9. CLAIMS—PLURALITY.

Held that the practice of permitting the same invention to be defined in different ways a reasonable number of times "is certainly one to be commended as long as the rule relating to multiplicity is not violated and as long as claims are not couched in such language as to be misleading or intended to cover more than the real invention or to becloud a consideration of their patentability."

10. SAME—FORM.

"Reasonable latitude of expression in the claims of an application should be permitted."

11. SAME—MULTIPLICITY.

"Since the other appealed claims, which we think are allowable, fully protect the method phase of appellant's invention (*In re Dann*, 18 C. C. P. A. (Patents) 1031, 47 F.(2d) 356, 8 USPQ 367, 409 O. G. 7), it is not deemed necessary to require allowance of claim 1 over the views of the Board that it is not in proper form for a method claim."

12. SAME—DEPENDENT.

"Our holding as to claim 1 brings about the result of the same ground of rejection applying to claims 2 and 22, which are dependent on claim 1. As we understand the practice of the Patent Office in a case of this character, it is within the discretion of the Office to allow the applicant to select some other claim upon which to append such claims as 2 and 22. Of course it might be that appending something to an allowable claim would make the claim non-allowable because of aggregation or possibly other reasons. Therefore, with this suggestion, we affirm the action of the Board in rejecting claims 2 and 22 in their present form."

APPEAL from the Patent Office. Modified.

JACKSON, *J.*, and HATFIELD, *J.*, dissenting.

Mr. Louis Barnett, pro se.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

BLAND, *J.:*

The Primary Examiner of the United States Patent Office, after allowing article claims 10, 13, 14, and 16 to 21, inclusive, for a patent relating to infusion packages, or more particularly tea balls, rejected two article claims, 12 and 15, and all the method claims, 1 to 9, inclusive, and 22. The rejection of the Examiner of all the claims involved in this appeal was, upon grounds hereinafter discussed, affirmed by the Board of Appeals, and the applicant has appealed here seeking a revision and reversal of the Board's decision.

During the prosecution of the case certain references were cited against the claims and they were carried forward in the statement of the Examiner and the decision of the Board, but in neither of the decisions do the references form the basis of rejection except as to claims 12 and 15 and it is not deemed necessary to discuss any of them here.

The invention relates to a tea bag and like articles made from an oblong section of filter paper folded upon itself and upon the inside face of which, on the three open sides thereof, there is a thin layer of some thermoplastic material. All three of the coated edges are then sealed together by heat and pressure. A slit is next made along one or more of the edges in the mid-portion of the sealed flange, stopping short of complete severance. By thus slitting the flange at a place within the sealed portion the result is obtained of having the two strip portions which are to be used as a handle sealed together and at the same time leaving the closure of the bag intact. The partially severed

* This appeal was originally decided by this court on March 4, 1946. Thereafter, the Solicitor for the Patent Office filed a petition for rehearing. The rehearing was granted June 7, 1946, for the purpose of permitting the court to revise certain language in its original opinion and to modify its original decision.

strip, when displaced from the plane of said flange, forms a handle for manipulation of the bag when the tea is brewed. A number of different forms are shown in which the handle may take the form of a loop, etc., and the bag may also be made in two parts so that it may be separated along a weakened line somewhere in the middle of the whole bag in case only half strength of the tea is desired.

[1] The main controversy and the important question of law involved are concerned with the method claims, and we will first dispose of the appeal as to article claims 12 and 15. There is but little controversy on this subject and since the Board's opinion affirming the Examiner's rejection of these claims on the ground of aggregation and the lack of invention resting in the printed legend, "tea," on the handle of the bags, especially when the disclosures of Mock and Salfisberg are considered, is so clearly in accordance with well-settled law we do not feel called upon to discuss this question at length, and its decision as to claims 12 and 15 will be affirmed.

The main issue is of such importance that we feel required to here set out all of the rejected method claims, the necessity for which will appear as our discussion progresses. They follow:

1. In a method of manufacturing infusion bag packages each made with a sealed marginal closure forming a border flange, the step of through-splitting a sufficient amount of said flange along a substantial length thereof to provide a handle solely from a continuous integral segment of said flange when displaced out of the plane of the latter for manipulating said package by the handle during brewing.

2. The method defined in claim 1 in which said step of through-splitting is continued beyond a length necessary to form the segment-handle to a cut termination for eliminating accidental tearing and stabilizing the suspension of the bag by said handle.

3. In a method of making an infusion bag package formed with a closure portion, the steps of heat sealing a marginal area of said closure portion to form a border flange, through-splitting a substantial continuous length of said flange short of complete severance while retaining said sealed closure intact to provide an integral handle when only a portion thereof is displaced from the plane of said flange for suspending said package by said handle in manipulating said package during brewing.

4. The method of manufacturing an infusion package of the character described including the steps of enclosing an essence containing product in a filter sheet material to form a package with a seam joint closure, and constructing solely from an integral portion of said seam joint closure a dependent elongated handle as and for the purpose described and specified.

5. The method of making an infusion bag package defined in claim 4 including the step of crimping the seam joint closure including the handle forming portion with the ridges produced thereby extending longitudinally said closure and handle to strengthen the structure against tension strains and accidental tearing.

6. A method of manufacturing infusion packages of the character described including the steps of enclosing an essence containing product in a filter sheet material to form a package with a sealed joint seam closure flange, and through-cutting a mid-portion of the flange wholly within the border of the flange to provide an integral bail-handle segment for suspending the package by said bail-handle segment in manipulating the package during brewing while retaining the sealing of the joint seam closure flange intact.

7. A method of manufacturing infusion packages of the character described including the steps of enclosing an essence containing product in a filter sheet material to form a package with a sealed joint seam closure flange extending more than half way about the periphery of the package through-cutting a mid-portion of the flange wholly within the border of the flange to provide an integral bail-handle segment displaceable from the plane of said flange for suspending the package by said bail-handle segment in manipulating the package during brewing while retaining the sealing of the joint seam closure flange intact, and shaping the ends at the through-cutting to provide terminals for eliminating accidental tearing of the bail-handle segment from the package.

8. The method of manufacturing an infusion package of the character described including the steps of sectionalizing an essence containing product in a filter sheet material bag, sealing the sections along a border flange to form a seam joint, constructing solely from an integral portion of the seam joint a dependent handle, and weakening a mid-portion of said seam along a line for folding said sections toward each other when suspending the package by the handle during brewing.

9. The method defined in claim 8 in which the step of weakening a mid-portion of said seam includes perforating said line to provide tearing means for separating the sections for independent use.

22. The method defined in claim 1 in which said step of through-splitting is continued inwardly the edge of the flange to form a "tear-proof" termination end and to provide stabilization to the bag suspension by the handle.

In rejecting these claims the Examiner said:

These claims are rejected as being unpatentable since they involve but *the* obvious method of producing the article. The article may be invention, as indicated by the allowance of article claims, but this does not mean that the method of making the article is patentable. It is thought that any one skilled in the art, having seen the article, would use substantially the same method in producing it. Attention is directed to *Ex parte Trevette*, 97 O. G. 1173. [First italics ours.]

It will be noted that the Examiner, by the use of the term, "*the* obvious method of producing the article," implied that there was but one method of doing so. He might have arrived at a different conclusion if he had used the word "an" instead of "the." The importance of this circumstance will appear later.

It will also be observed that the Examiner's holding as to the method claims was upon the authority of *Ex parte Trevette*, 97 O. G. 1173, 1910 C. D. 170. The Board, however, in its stated grounds of rejection of the claims has departed materially from those of the Examiner, and we must frankly confess we have had some difficulty in arriving at the real position of the Board by reason of the language it used. In considering this decision we feel it necessary to call attention to several features of the language used and quote the following [italics and numbers by us]:

[1] The objection noted against the appealed claims is that while they are alleged to cover a process *no real steps are defined*. About all that is said in the claims is that the article is formed so as to have certain structural characteristics. [2] After a careful reading of the detailed *description* we fail to find any disclosure of procedure followed in making the article. Apparently no special sequence of steps is followed in the making up of the article. [3] Just when the charge of tea is placed in the bag is not stated, nor does it appear in the description when and how the slit is made. [4] It appears to us that whatever patentable merit there may be in this case resides in the particular concept of the structure and *after conception the article of manipulative steps employed in making it are so simple that no invention is seen in this feature.* It is obvious that bags made from paper by folding a sheet on itself and then sealing the other three sides are very old and common and there is certainly no invention involved in merely making a slit through one of these sealing edges. For reasons stated, we can see no invention in the process claims.

It will be noted that the concluding sentence is "For reasons stated, we can see no invention in the process claims," and the Board at no place cites the Trevette case or any of the many other cases having a bearing on the particular question involved. It does not indicate whether or not appellant's method is the obvious or only way of making the article.

We are at a loss to know whether or not by language [1] above the Board meant to reject the claims on account of defective form (no real steps). If it had been its purpose to do so, surely it would have given more consideration to the question, because if either the specifications or some of the claims are read it will be seen that there are well-defined steps disclosed.

[2] Since this may be regarded as a new ground of rejection, and the Board had the right to apply a new ground if it saw fit, it is thought best to point out that as to claim 1, which apparently, unfortunately, the Board used as illustrative, the claim may be regarded as a one-step claim, and if so there is considerable doubt as to whether it meets the requirements of the law as being in proper form as a true method claim. More as to this claim and the two dependent claims, 2 and 22, will be stated later herein.

As to the language indicated by [3], did the Board intend as a ground of rejection to hold that the claims were fatally defective because they did not state just when the charge of tea was placed in the bag? Some of the claims, such as 4, 6, 7, 8, and 9, specifically refer to the step of enclosing the essence containing product. In the light of this circumstance we look upon this statement on the part of the Board as not being a ground of rejection, but if so, an unwarranted one.

As to [4], we interpret the Board's decision as a holding to the effect, although not in definite language and without supporting citation, that the Examiner properly rejected the claims for the reasons stated in the above quotation from the Examiner's statement, and we think that the language employed by the Board was intended to be another way of stating the law of the Trevette case as applied by the Examiner.

In addition to the above-mentioned features of the Board's decision, it would appear from the last italicised phrase that it was possibly of the opinion that method claims defining a dependent invention and presented in the same application with allowable article claims must involve invention independent of the article. If it was of the opinion that the method claims define only the obvious method, or only method, of making the article, as stated by the Examiner, this inference from the said language need not be necessarily drawn.

The Solicitor for the Patent Office here presented the Board's decision to us upon the theory that it affirmed the view expressed by the Examiner, though in different language, and that the principles laid down in *Ex parte Trevette*, supra, rather than the principles of *Ex parte Kilbourn et al.*, 122 O. G. 737, 1915 C. D. 40, were controlling.

It is regrettable, in view of the importance of the issue, that the Board failed to make any mention of the applicability of the doctrines of these two cases, particularly in view of the unsettled practice of the Patent Office in relation to this subject matter as is discussed hereinafter.

Appellant here has stressed with great force his contention that *Ex parte Trevette*, supra, is not controlling and that *Ex parte Kilbourn et al.*, supra, and other decisions and principles of law are controlling.

This brings us to a careful consideration of the two above-cited authorities, and several others.

The Trevette case, the decision by Moore, Acting Commissioner of Patents, is an important one. It involved a question in some respects similar to the one involved here but evidently, judging from the language used, it turned upon questions essentially different from those presented by this appeal.

There only the method of stitching signatures was involved. It was held that the invention rested in the stitched article for which the applicant had presented no claims. The Commissioner there held that there was nothing inventive in the method of stitching because the method claims stated "nothing more than *the necessary* or *obvious* manner of effecting the product" [italics supplied] and that therefore they were not patentable since they did not state the real invention. The large portion of the opinion is devoted to the proposition that it was the duty of the Patent Office to permit the applicant who had described his invention in the wrong form of claim to substitute article claims which properly defined the invention.

There (not so here) no article claims were presented or allowed. There, method claims, defining the inventive article only were presented. Commissioner Moore, in the Trevette case, had under consideration solely the patentability of method claims when not associated with any other character of claims in an application. It is true that implicit in that decision is a holding that the only thing patentable was the article itself, because he concluded that the method was only "the necessary and obvious manner of effecting the product." He necessarily meant that the necessary and obvious manner defined by the method claims was the only method by which the article could be produced and it seems that that was true in that case.

It would probably be sufficient on this most important issue to rest decision of the case here with the statement that the holding in the Trevette case is not applicable here for reasons already pointed out and for the further reason that in the instant case we differ with the Examiner (the Board said nothing about it) in his statement that the claims involve but "the obvious method." He was of the opinion evidently that the tea bags involved could be made by only one method. Even if this were true under the circumstances at bar we do not feel justified (for reasons more fully appearing hereinafter) in approving the holding of the Examiner as a principle of patent law applicable in all cases involving this question.

We agree with the position of the appellant that the instant article can be made by more than one method, and no speculation or specific disclosure seems to be required to justify this conclusion. All of the claims here, except possibly claim 1, call for a step of heat sealing the marginal area of the closure portion to form a border flange. The second

step is through-cutting, or, in some of the claims, weakening or perforating the structure in the middle portion of the flange; this takes place after the flange is formed by sealing. Appellant suggests that the method defined by the claims is the most practicable and economical means of producing the article and it is the method which he claims will so cheapen the production of the article as to meet the real need of the art. He points out that the bag material may be first cut with the handle formed therewith and thereafter the same may be folded about the tea and the application of the heat sealing step forming the flange and the part of the flange which becomes the handle might subsequently take place. It is obvious that this would be a different method from that defined by the appealed claims. That it is a less economical method, as appellant states, we have no reason to doubt.

[3] Now, it is a well-settled rule in patent law that a method claim, though defining the method of the machine or its operation, is allowable in the same application with the machine claims if the thing accomplished by the machine could be done by another method or by hand. *In re Ernst et al.*, 21 C. C. P. A. (Patents) 1235, 71 F.(2d) 169, 22 USPQ 28, 449 O. G. 507; *Ex parte Trevette*, supra; *In re McCurdy*, 22 C. C. P. A. (Patents) 1140, 76 F.(2d) 400, 25 USPQ 136, 459 O. G. 923.

[4][5][6] In other words, if the machine performs a new, useful, inventive method, the party is entitled to method claims along with his machine claims not only because his method requires protection but because they are related inventions. The method of the operation of the machine may, in some instances, be inventive when considered independently of the machine, or may be a related invention to that of the machine and allowable only as claims for a dependent invention in the same application as that of the machine. The claims for a method which depend upon a machine and which are allowable only along with article claims in one application should never be measured, when their allowability is being considered, by the standard which would be required if they were in a separate application and for a separate and unrelated invention.

The same is obviously true where, as in a case like that at bar, the method of making an article, such as a tea bag, is not the only method which could be pursued to produce the article. It must be remembered that the holding in the Trevette case, involving a method claim where the invention rested in the article, was said to be a "corollary" to the proposition that a process which amounts to nothing more than the mere functioning of a machine is not patentable. In the Trevette case the process claims were the only claims presented and they were considered as an independent and separate invention.

There has been some misapplication of the Trevette doctrine in the Patent Office. It has been regarded, as in this case, as controlling in this kind of an issue. It has not been followed in all instances, as will hereinafter appear and for reasons which we think are sound.

It is worthy of note that it is an unusual circumstance to find that the Trevette case has been cited at least a dozen times in the Patent Office but so far as we have been able to discover has never been involved in the decision of an issue in any court at any time—neither by our predecessor in this jurisdiction nor by us. In this court, in *In re Stack* 24 C. C. P. A. (Patents) 836, 87 F.(2d) 210, 32 USPQ 250, 479 O. G. 997, the case was mentioned as being referred to in the decision of the Board but it was not discussed or considered in our decision.

Appellant's contention here, as hereinbefore stated, is that the tribunals of the Patent Office should have followed the holding in the Kilbourn case, supra, rather than that in the Trevette case, and to understand this contention it is necessary to state that in the Kilbourn case (decision by Newton, Assistant Commissioner of Patents, later Commissioner) there was more than one method of making the article and he stated that of course the claims should be allowed under these circumstances. But he also held that even if this were not true and the method claims did nothing more than to define the article and they were the only method of making it they should be allowable on the ground that patent applicants should be permitted a wide latitude in forms of expression to define their invention, since judicial tribunals and others concerned might differ as to the clearest and most definite way of defining the inventive article.

[7] This first above-stated holding in the Kilbourn case has been followed in most instances in the Patent Office, and we think we may properly add that there is respectable authority supporting the conclusion that in certain cases where it is apparent that difficulty is encountered in defining the article invented and where method claims in the same application with allowable article claims serve the purpose of better defining the article than the article claims, and are intended to define nothing more than the article, such method claims should be allowed for that reason. *Ex parte Heyman Rosenberg* (P. O. Bd. App.), 10 USPQ 1.

Cases involving the consideration of one or both of the two cases around which the chief controversy here revolves, the Trevette case and the Kilbourn case, are as follows: *Ex parte Butterfield*, (Comr. Pats.), 108 O. G. 795, 1904 C. D. 29; *Ex parte Frank Grasso*, (P. O. Bd. App.) 20 USPQ 229; *Ex parte Claxton et al.*, (P. O. Bd. App.), 43 USPQ 361; *Ex parte Laskin*, (P. O. Bd. App.) 54 USPQ 500; *Ex parte Plass*, (P. O. Bd. App.), 54 USPQ 504; *Ex parte Wayne* (P. O. Bd. App.) 59 USPQ 438; *Ex parte Daiger* (P. O. Bd. App.), 557 O. G. 586, 60 USPQ 65; *Ex parte Scott* (P. O. Bd. App.) 66 USPQ 371.

[8] In view of our conclusion that the article as defined by the article claims may be made by more than one method and that the appealed claims (except claim 1) are true method claims and should be allowed in the instant application along with the article claims as a dependent invention, it is unnecessary for us to further discuss the Kilbourn case or make any holding with respect to that portion of the decision which holds that method claims may be allowed upon the sole ground that they may be the best way of defining the article.

[9][10] From "Patentability and Validity," Revise and Caesar, page 433, we quote that which is well-settled patent law:

> An inventor is entitled to restate his inventive thought in different phraseology and with varying degrees of particularity a reasonable number of times. According to strict views, two distinct claims for substantially the same matter should not be allowed, yet out of regard for the variety of views among different legal tribunals as to the interpretation of claims and the difficulty of always correctly defining the invention, it has become the practice to permit the same invention to be defined in different ways a reasonable number of times.

This principle becomes important only in view of the argument of the Solicitor hereinafter quoted and the fact that in appellant's application he presents nine method claims in defining different modifications of his inventive method.

The above quotation states the practice of the Patent Office with respect to the allowance of more than one claim in the same application to the same invention which are of the same breadth and cover the same subject matter but are couched in different language. The practice is certainly one to be commended as long as the rule relating to multiplicity is not violated and as long as claims are not couched in such language as to be misleading or intended to cover more than the real invention or to becloud a consideration of their patentability. Reasonable latitude of expression in the claims of an application should be permitted.

Counsel representing the Solicitor for the Patent Office, in his brief in this case, makes the following statement:

> • • • it is submitted that this rule [rule 41 of the Rules of Practice of the Patent Office] does not contemplate the presentation, in any application, of claims which are essentially the same, though expressed in different words, and this is true even though the claims in form fall within two of the statutory classes of invention.

We think this language is entirely too broad to properly reflect the law upon the question and we quote it because it might well be said that certain language used by this court in certain cases reflects this view. "Patentability and Validity," supra, mentions this fact with the statement that "unfortunately the court [this court] used language from which it might be inferred that two claims cannot be allowed unless they differ from each other in material respects."

In *In re Einstein*, 18 C. C. P. A. (Patents) 885, 46 F.(2d) 373, 8 USPQ 166, 406 O. G. 287, the court stated what the general principle of law is, without stating the exceptions to the rule which now are universally made. We there said:

> Two distinct claims for the same substantial matter, differing only in nonessentials, cannot both be sustained. *Dececo Co. v. Gilchrist Co.*, 125 Fed. 293; *In re Prescott*, 51 App. D. C. 281, 278 Fed. 590; *In re McConnell*, 17 C. C. P. A. (Patents) 1139, 40 F.(2d) 567.

None of the cases cited, when considered in their entirety, sustains this statement. On the contrary, the Dececo Co. case is in effect the direct opposite. In that case is the following language:

> While according to strict rules of law, two distinct claims for the same substantial matter, differing only in nonessentials, cannot both be sustained, yet, out of regard to the frailty of human methods of expression, and the variety of views among different legal judicial tribunals as to the construction of instruments of the character of letters patent, and conceding, also, the difficulty of always correctly defining what one's invention really is, the practice has become settled to allow the same substantial invention to be stated in different ways, very much as the same cause of action, or the same offense intended to be covered by indictment, are permitted to be propounded in different counts, with a general verdict on all of them.

The statement in the Einstein case was only part of the important statement in the Dececo Co. case.

Since the decision in that case this court has uniformly held that more than one claim for the same invention may be included in one application and the whole question was thoroughly discussed and decided in *In re Clark*, 25 C. C. P. A. (Patents) 1317, 97 F.(2d) 628, 38 USPQ 139, 497 O. G. 549. There we said:

> As we understand it, under the patent law and the prevailing Patent Office practice, an inventor, where it is difficult to express his invention in the form of claims, has the right to, and ordinarily for his own protection does, express the same invention in more than one claim. If by so doing he more clearly defines his invention and does not by undue multiplicity obscure the same, he is acting within the rights granted and the duties required by the patent laws.

The method claims on appeal here were not rejected by the Patent Office on the ground of multiplicity or that appellant was not entitled to express the inventive concept of the method by employing different language though directed toward accomplishing the same purpose. The claims are not unduly multiplied, nor are they of such character as to render the application and the claims therein subject to the criticism that the real invention is beclouded and the purpose of the patent statute in requiring clarity of definition is being violated.

It may be pointed out that claim 1, upon which is dependent claims 2 and 22, may be subjected to the objection that if it is regarded as defining only a method and not an article it is deficient insofar as it may be interpreted to be a single-step claim and not in proper form for defining a method. This conclusion must be reached if the phrase "each made with a sealed marginal enclosure forming a border flange" is not interpreted to be a step in the method.

[11] Since the other appealed claims, which we think are allowable, fully protect the method phase of appellant's invention (*In re Dann*, 18 C. C. P. A. (Patents) 1031, 47 F.(2d) 356, 8 USPQ 367, 409 O. G. 7), it is not deemed necessary to require allowance of claim 1 over the views of the Board that it is not in proper form for a method claim.

[12] Our holding as to claim 1 brings about the result of the same ground of rejection applying to claims 2 and 22, which are dependent on claim 1. As we understand the practice of the Patent Office in a case of this character, it is within the discretion

of the Office to allow the applicant to select some other claim upon which to append such claims as 2 and 22. Of course it might be that appending something to an allowable claim would make the claim non-allowable because of aggregation or possibly other reasons. Therefore, with this suggestion, we affirm the action of the Board in rejecting claims 2 and 22 in their present form.

The decision of the Board rejecting claims 1, 2, 12, 15, and 22 is affirmed, and its decision rejecting claims 3, 4, 5, 6, 7, 8, and 9 is reversed.

Modified.

JACKSON, *J.*, (dissenting):

I disagree with that part of the majority decision which reverses the decision of the Board. To my mind the issue is uninvolved for the reason that it is in its essence whether or not the method claims are patentable over the allowed article claims.

The article is a square-shaped tea ball made from filter paper folded over on itself to form one seam of the bag. The other three seams are heat-sealed after the tea has been put into the bag. After sealing, one of the seams is partially cut through its midportion to form a handle.

The decisions of the Primary Examiner and the Board of Appeals are very clear to me. The Examiner in his statement said:

> The article may be invention, as indicated by the allowance of article claims, but this does not mean that the method of making the article is patentable. It is thought that any one skilled in the art, having seen the article, would use substantially the same method in producing it. Attention is directed to *Ex parte Trevette*, 97 O. G. 1173.

The Board in its decision stated:

> It appears to us that whatever patentable merit there may be in this case resides in the particular concept of the structure and after conception the article of manipulative steps employed in making it are so simple that no invention is seen in this feature. It is obvious that bags made from paper by folding a sheet on itself and then sealing the other three sides are very old and common and there is certainly no invention involved in merely making a slit through one of these sealing edges. For reasons stated, we can see no invention in the process claims.

I am in entire agreement with the decisions below, and cannot see how it would be anything but obvious to anyone having seen the article to employ appellant's obvious method or methods in producing it. In my opinion the decision of the Board should be affirmed.

I am authorized to state that Judge HATFIELD joins in this dissent.

U. S. Court of Customs and Patent Appeals

IN RE SOLAKIAN ET AL.

No. 5,132. Decided May 7, 1946

[155 F.(2d) 404; 69 USPQ 514]

1. PATENTABILITY—FURNACE.

Certain claims to a furnace for the heat treatment of metal *Held* properly rejected as unpatentable, since appellants "have done nothing more than to merely consolidate the desirable features of the cited prior art in such a manner that there is no new coaction between the elements and no new and unexpected result flowing from the device except that which could be expected from a mere consolidation of the old elements."

2. SAME—METHOD.

"It has been uniformly held that the mere fact that a machine is found that will perform the method is no justification for the disallowance of the method claim if it defines a novel and useful method."

3. SAME—SAME.

"While a method claim is not necessarily bad because it reads upon a device for performing the method where there is more than one way of performing it, a method claim that does nothing more than define the method of operation of a cited prior art device is certainly not an allowable method claim."

4. SAME—SAME.

"In the instant case it is our view that appellants' contention with respect to the allowability of the method claim is without merit and that they have not pointed out any other means by which their method could be carried out except on their machine and we know of no other way it could be carried out except on their furnace."

APPEAL from the Patent Office. Affirmed.

Messrs. Rockwell & Bartholow (*Mr. Henry E. Rockwell* and *Mr. Edwin R. Hutchinson* of counsel) for Solakian et al.

Mr. W. W. Cochran for the Commissioner of Patents.

BLAND, *J.*:

The Primary Examiner of the United States Patent Office rejected all of the claims, numbered 1, 7, 9, 10, 16 to 20, inclusive, and 22 to 24, inclusive, in appellants' application for a patent relating to Furnaces for Heat Treatment of Metal. Upon appeal to the Board of Appeals it reversed the action of the Examiner as to claims 10, 17, 23 and 24, and affirmed the Examiner's rejection as to the other claims.

From the decision of the Board affirming that of the Examiner as to said claims the appellants have here appealed. The claims involved are, therefore, claims 1, 7, 9, 16, 18, 19, 20 and 22.

Claims 9 and 22 seem to be representative of the appealed subject matter and read:

> 9. A furnace for the heat treatment of metal, comprising a pot, a charge of salts therein, means for fusing the salts and maintaining them in fused condition including a source of heating current and electrodes immersed in the salt bath, means for controlling the temperature of said fusing means including a lens and an open-ended ray-collecting tube associated therewith having its open end spaced upwardly from the surface of the salt bath, and means for supplying a downward current of air to the interior of said tube so as to cool the same and maintain a clear sighting space between the upper surface of the bath and the lens, said tube being in an intermediate position with respect to said electrodes.
>
> 22. The method of treating high-speed steel for hardening which comprises immersing the steel articles in a bath of salts heated to a high temperature for fusing and fluid only at a high temperature, collecting heat rays emanating from the upper surface of the bath in a predetermined localized part thereof, and utilizing those rays to control the temperature of the bath.

It will be noted that claim 22 is a method claim and it is the only method claim in the case.

The references cited by the Examiner (some of them are not discussed by the Board, being regarded by it as cumulative) are as follows: Siefert et al., 1,782,482, November 25, 1930; Bellis, 1,864,885, June 28, 1932; Larsen et al., 2,054,382, September 15, 1936; Adam, Jr., 2,145,677, January 31, 1939; Sordahl, 2,184,169, December 19, 1939; Dike, 2,232,594, February 18, 1941; Brooke, 2,290,028, July 14, 1942; Titcomb, 2,291,007, July 28, 1942; British patent, 510,060, July 26, 1939; Norwegian patent, 63,295, March 3, 1941.

We think the invention is well described in the Examiner's decision and we quote therefrom as follows, omitting the references to numerals:

> The alleged invention relates to an apparatus, and alleged method, for treating high speed steel for hardening in a fused salt bath furnace. The furnace is particularly characterized by having its electrodes immersed in the salt bath and provided with supporting shanks extended over the wall of the pot and the pot is square, the electrodes being arranged at the apices of a triangle, the middle electrode being located in one corner portion of the pot, and all three of the electrodes being on one side of a diagonal of the pot, to allow space to insert the work. On a bridge member, supported above the electrode shanks, is mounted a radiation pyrometer, provided with a tube and lens for collecting and concentrating heat rays from the upper surface of the bath upon the thermopile. The pyrometer controls the current supply to the electrodes, and hence the temperature of the bath, in a usual manner. It is claimed that by not immersing the pyrometer in the fused salt bath corrosion thereof is avoided, and that by placing the lens at some distance above the open tube end, which is adjustable with respect to the bath level, clouding of the lens by the fumes from the bath will be prevented.

In rejecting the claims the Examiner said:

> Claim 22 is the only alleged "method" claim now in the case, and it stands finally rejected as not defining the alleged invention. The step of "utilizing" rays to control the temperature of the bath is clearly no more than the function of a machine. See *In re Ernst et al.*, 1934 C. D. 595. *It is not seen that there can be any novel method in the case, in view of the fact that pyrometric control of the temperature of a salt bath furnace is generally old, as is shown by Adam, Jr., and also by Titcomb.* [Italics ours.]
>
> Claims 1, 7, 9, 16 to 20, 23 and 24 stand finally rejected as based on the old and unpatentable combination of Adam, Jr., or Titcomb. There is no evidence that there is any cooperation between specific features of the electrode arrangement with respect to the furnace, and specific construction of the pyrometer and/or the support therefor. Each of these arrangements performs its function independently of the other. Both Adam, Jr., and Titcomb show that the combination of a pyrometric control and a salt bath furnace whose temperature is controlled thereby is old, and applicant indeed admits this state of the art in his specification.
>
> Claims 1, 7, 9 and 22 stand finally rejected as unpatentable over Adam, Jr., or Titcomb, in view of Larsen et al., Sordahl, or Dike * * *, which show that the radiation pyrometer as claimed by applicant is old, in every essential detail. The Larsen et al. and Dike * * * arrangements are used to modify the temperature of bodies which they do not contact, and it is obvious that the Sordahl pyrometer may also be so used. This feature of applicant's alleged invention is therefore thought not to be novel, or to confer patentability on any claims wherein it is recited. It is not seen that it is patentably material what part of a furnace or charge is used to activate a controlling pyrometer for the furnace. Any skilled mechanic will obviously choose such a part as will produce the desired results, when used for this purpose.
>
> Claims 10 and 16 to 20 stand finally rejected as unpatentable over the art as applied to claim 1 in view of Bellis or Siefert et al., which show that it is old to arrange electrodes, whatever their number may be, at one side of a pot, in order to leave the remaining surface of the pot open and free, said pot, as shown in Bellis, may be the pot of a fused salt bath furnace. Attention is particularly directed to the statement in lines 71 to 75 of page 3 of Bellis that the single electrode * * * may be arranged adjacent to one side of the pot so that greater pot capacity is attained for receiving the metal objects to be treated. The Bellis patent shows also a like arrangement for two electrodes, and it is thought to be evident to any skilled mechanic that the same results as are obtained by Bellis with one or two electrodes may be obtained in the same way where three or any other number of electrodes is used. The British and the Norwegian patents show that the use of three electrodes is old, and also show a rectangular pot as claimed. Siefert also shows a rectangular pot, so this feature also is not thought to be patentably material. Claims 23 and 24 stand finally rejected on the art as above applied to claim 10. These claims being essentially of the type which are condemned in *Ex parte Fine*, 1927 C. D. 84, it is held that the additional details of construction which are recited therein are mere matters of aggregation, and are, moreover, well within the range of mechanical skill.

It will be noticed that in rejecting the method claim, 22, the Examiner held, first, that it did not define the alleged invention, and, second, that the steps defined nothing more than the function of the machine. He further stated that, "It is not seen that there can be any novel method in the case, in view of the fact that pyrometric control of the temperature of a salt bath furnace is generally old, as is shown by Adam, Jr., and also by Titcomb."

Whether the Board meant to affirm the Examiner's rejection of the claim on the prior art is subject to considerable doubt, although it did not specifically reverse the Examiner's decision in this regard. As to claim 22 the Board stated:

> Claim 22 is directed to an alleged method of treating high speed steel but the real subject matter in issue is a radiation pyrometer tube.

Later it said:

> * * * We are unable to see wherein this claim [22] defines any step that can be regarded as a true process step. The tube apparently functions exactly the same as those shown in the prior art. At best it merely sets forth the function of a specific apparatus and that is not regarded as a true process.

[1] We have considered very carefully the rejection by the Examiner and by the Board of the claims on appeal and we are in entire agreement with the conclusion reached by the Board as to their lack of patentability. We conclude that what appellants have done, in view of the prior art, as has been pointed out by both tribunals below, does not rise to the level of invention.

Appellants may have an improved device over those disclosed in the prior art, but it seems to us that they have done nothing more than to merely consolidate the desirable features of the cited prior art in such a manner that there is no new coaction between the elements and no new and unexpected result flowing from the device except that which could be expected from a mere consolidation of the old elements.

[2] As to claim 22, we find ourselves in rather an unusual position. The above-quoted statement by the Board indicates that if a method claim sets forth the function of a machine it is not a true process claim. This is not the first time we have had this question before us and it has been uniformly held that the mere fact that a machine is found that will perform the method is no justification for the disallowance of the method claim if it defines a novel and useful method.

This position is supported clearly by the decision in the case of *Waxham* v. *Smith et al.*, 294 U. S. 20, 451 O. G. 492, where the Supreme Court said, "A method * * * is not to be rejected as 'functional' merely because the specification shows a machine capable of using it."

The rule was stated and thoroughly discussed in *In re Parker*, 23 C. C. P. A. (Patents) 721, 79 F.(2d) 908, 27 USPQ 340, 462 O. G. 5. There we quoted with approval certain phases of this question which had been discussed by the Board but we found our-

selves in disagreement with its conclusion and stated:

From all the authorities it appears that the rule has become well settled that if the method of a claim can be performed by any other apparatus than that of the applicant, or if it can be performed by hand, it cannot be said that the claim recites the mere function of the apparatus so as to make its allowance double patenting. We think this rule, when applied to the issue at bar, controls the decision of the only question presented. If the steps of the method may be performed by other apparatus or by hand, the ground of rejection by the Board, we think, must be held to be unsound.

Then we pointed out that in that case the Board concluded that the steps could be performed by hand and we reversed the decision disallowing the claim.

In the instant case, as we read the decision of the Examiner, he rejected claim 22 by reciting that it was old, as shown by the prior art, to control the temperature of a salt bath furnace by pyrometric control. In other words, this portion of his decision rejects claim 22 upon the prior art.

The Board apparently agreed with the Examiner that claim 22 did not define the real subject matter in issue, i. e., a radiation pyrometer tube. In the above-quoted statement of the Board with respect to this claim, however, it used language so broad as to imply that if a method claim sets forth the function of a specific apparatus it is not allowable. It may or may not be allowable, depending upon the applicability of the rule stated in *In re Parker*, supra, and in many other decisions handed down by this court.

[3] It seems to us that the claim is objectionable on the ground that it is not inventive over the method of operation of the devices of the prior art, and we think the claim is so broad as not to cover the elements which are so specifically defined in claims 10, 17, 23 and 24 as to cause their allowance by the Board. We think the claim was properly rejected by the Examiner in one of his grounds of rejection, namely, on the prior art, because while a method claim is not necessarily bad because it reads upon a device for performing the method where there is more than one way of performing it, a method claim that does nothing more than define the method of operation of a cited prior art device is certainly not an allowable method claim.

We interpret the holding of the Examiner to be that claim 22 defines nothing inventive over the cited prior art. This ground of rejection the Board did not definitely disagree with although it implied that the claim was not "anticipated" by the prior art.

[4] In the instant case the situation seems to be very much like that which prevailed in *In re Ernst*, 21 C. C. P. A. (Patents) 1235, 71 F.(2d) 169, 22 USPQ 28, 449 O. G. 507. There it was pointed out that under the general rule it would be proper to allow a method claim which described the function of a machine if the method could be performed by other means and it was then held that it was not apparent that the method there under consideration could be done in any other way than on the precise machine described in the allowed apparatus claims. We held that the method was dependent upon the machine and that nowhere had it been pointed out that the process could be carried out except by means of the apparatus. In the instant case it is our view that appellants' contention with respect to the allowability of the method claim is without merit and that they have not pointed out any other means by which their method could be carried out except on their machine and we know of no other way it could be carried out except on their furnace.

We find ourselves in agreement with the holding of the Board affirming the rejection by the Examiner of the claims here on appeal and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MOORE

No. 5,139. Decided May 7, 1946

[155 F.(2d) 379; 69 USPQ 524]

1. APPEAL—CLAIMS CONSIDERED.
"Claims 4 and 5 were rejected as being drawn to non-elected species and, therefore, need not be considered on their merits, as they are allowable only in the event claim 2, which is generic to claims 3, 4, and 5, is held to be patentable."

2. PATENTABILITY—INVENTION.
" "Owing to the fact that the record discloses that acetonitrile (methyl cyanide) is a well-known insecticide, and as it appears from the Bousquet et al. patent that the substitution of a chlorine did not subtract from the effectiveness of the patentees' lauryl cyanide, it would seem to be obvious that when appellant used chloroacetonitrile, in which a chlorine is substituted for a hydrogen in acetonitrile (methyl cyanide), it was to be expected that it would possess insecticidal properties when used in a toxic amount. Under the circumstances, appellant's discovery that chloroacetonitrile was useful as an insecticide, or that it possessed insecticidal properties to a greater degree than acetonitrile, does not, in our opinion, involve invention."

3. SAME—SAME.
"Having every reason to suppose that his composition would be valuable as an insecticide when used in a toxic amount, appellant is not entitled to a patent for a method of killing insects by the use of such a composition based solely on the degree of effectiveness which he found the composition possessed."

4. CLAIM—FUNCTION.
The function of a claim is not to cover everything as to which the prior art is silent, but to point out what the applicant has invented.

5. SAME—BROADER THAN DISCLOSURE.
Where appellant's application was limited to so-called "fumigants," and nothing therein indicated that his composition would kill insects when applied in either solid or liquid form, *Held* that claims drawn to the "method of killing insects which includes the step of exposing the insects to a toxic amount" of the composition were properly rejected as broader than the disclosure in appellant's application.

APPEAL from the Patent Office. Affirmed.

Mr. Ellis S. Middleton (*Mr. Edmund H. Parry, Jr.*, of counsel) for Moore.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 2, 3, 4, and 5 in appellant's application for a patent for an alleged invention relating to "fumigants" for the killing of insects by exposing them to "mono substituted halogen acetonitrile."

[1] Claims 2 and 3 were rejected on the prior art, and as being broader than the disclosure in appellant's application. Claims 4 and 5 were rejected as being drawn to non-elected species and, therefore, need not be considered on their merits, as they are allowable only in the event claim 2, which is generic to claims 3, 4, and 5, is held to be patentable.

The claims are method claims. They read:

2. A method of killing insects which includes the step of exposing the insects to a toxic amount of a mono substituted halogen acetonitrile having a boiling point less than 200° C.

3. A method of killing insects which includes the step of exposing the insects to a toxic amount of chloroacetonitrile.

4. A method of killing insects which includes the step of exposing the insects to a toxic amount of bromoacetonitrile.

5. A method of killing insects which includes the step of exposing the insects to a toxic amount of iodoacetonitrile.

At the time of the Examiner's statement to the Board of Appeals, appellant's application contained 13 claims, and the references relied upon by the Examiner in rejecting all of the 13 claims were: I. G. F. (British), 432,188, July 23, 1935; Bousquet et al., 2,030,093, February 11, 1936; French patent, 816,921, May 10, 1937; Collie et al., 2,268,108, December 30, 1941; Technical Bulletin No. 162, published in 1929 by U. S. Dept. of Agriculture. See pages 30 and 31.

In appellant's brief before the Board of Appeals it was stated that appellant acquiesced in the rejection of the Primary Examiner as to claims 1, and 6 to 13, inclusive.

Claim 1, which was withdrawn before the Board of Appeals, was rejected by the Primary Examiner on the patent to Collie et al. and the British patent. As that claim is not before us, those patents need not be considered since they were not used as references against the claims here on appeal.

It is not contended here by counsel for appellant that the mono substituted halogen acetonitrile, called for by claim 2, or the chloroacetonitrile, called for by claim 3, are new compounds.

In claim 2, which as hereinbefore noted is generic to the other appealed claims, appellant has substituted a halogen for a hydrogen in acetonitrile.

Claim 3 is a species claim in which the halogen substituted is chlorine and the compound produced is chloroacetonitrile.

"Halogen" is defined in Webster's New International Dictionary as:

• • • *Chem.* An element or radical which forms salts by direct union with metals; — at present applied to chlorine, bromine, and iodine, and usually fluorine; sometimes also to cyanogen. See *chlorine family*

"Chlorine family" is defined by the same authority as:

Chem. The elements fluorine, chlorine, bromine, and iodine, called the halogens (salt formers). They are univalent toward hydrogen, metals, and other elements, but chlorine, bromine, and iodine also form higher oxygen compounds.

In agreeing with counsel for appellant that the disclosure in the French patent should not be given great weight in the consideration of the appealed claims, the Board of Appeals said:

Regarding the French patent, applicant urges that its teaching is that the common property of the class of compounds disclosed is due to the olefinic linkage. With this we agree, and we do not give great weight to the disclosure among his compounds of one which would contain both chlorine and a CN group.

With reference to the Bousquet et al. patent, attention was called by the tribunals of the patent Office to a statement contained therein, reading:

The toxicity of these lauryl derivatives also persists if the lauryl chain carries a negative substituent such as Cl, SO_3H which does not modify the straight carbon chain character of the lauryl radical.

In other words, the patentees Bousquet et al. disclosed that the substitution of a chlorine did not add to, or subtract from, the effectiveness of the insecticidal properties of their product, and it is argued by counsel for appellant that because the substitution of chlorine did not increase the toxicity of the patentees' insecticide, the patent is not a good reference.

In affirming the Examiner's rejection of the appealed claims on the prior art, the Board relied upon the reference Technical Bulletin No. 162, published by the United States Department of Agriculture in 1929.

It clearly appears from Bulletin No. 162 that acetonitrile (methyl cyanide) is used as a "fumigant" and is effective as an insecticide. It further appears from that publication that a maximum dosage of 392 mg. per liter of acetonitrile killed 90% of weavils upon exposure for twenty-four hours.

Counsel for appellant contend that, although the toxic effect of acetonitrile (methyl cyanide) had been known since 1929, "it never occurred to anyone to try a halogen substituted acetonitrile," and argue that, therefore, the appealed claims are patentable.

It appears from appellant's application, and it is not questioned by the Board of Appeals, that using chloroacetonitrile of 5 mg. per liter produced a 100% kill in a period of one hour; that, as stated by counsel for appellant, "This is 1/78th of the dosage of the Bulletin [reference] for 1/24th of the time and it resulted in total destruction of the insects"; and that when the dosage was reduced to 3 mg. per liter a 98.3% kill was obtained in one hour.

Without going into detail, it may be pointed out that the insecticidal properties of appellant's product are far superior to the insecticidal properties of acetonitrile (methyl cyanide) disclosed in the Bulletin reference.

It is not questioned here that chloroacetonitrile, the specific compound called for by claim 3, is, as stated by the Board in its decision, "one of the simplest derivatives of methyl cyanide, having the

same structure except that one hydrogen has been replaced by chlorine."

[2] Owing to the fact that the record discloses that acetonitrile (methyl cyanide) is a well-known insecticide, and as it appears from the Bousquet et al. patent that the substitution of a chlorine did not subtract from the effectiveness of the patentees' lauryl cyanide, it would seem to be obvious that when appellant used chloroacetonitrile, in which a chlorine is substituted for a hydrogen in acetonitrile (methyl cyanide), it was to be expected that it would possess insecticidal properties when used in a toxic amount. Under the circumstances, appellant's discovery that chloroacetonitrile was useful as an insecticide, or that it possessed insecticidal properties to a greater degree than acetonitrile, does not, in our opinion, involve invention.

[3] It certainly could not properly be contended that had appellant discovered that chloroacetonitrile possessed to the same degree the insecticidal properties of acetonitrile, his discovery involved invention. Having every reason to suppose that his composition would be valuable as an insecticide when used in a toxic amount, appellant is not entitled to a patent for a method of killing insects by the use of such a composition based solely on the degree of effectiveness which he found the composition possessed.

For the reasons stated, we are of opinion that appealed claims 2 and 3 were properly rejected on the prior art.

As hereinbefore noted, claims 2 and 3 were also rejected on the ground that they are broader than the disclosure in appellant's application.

Appellant states in his application that his alleged invention relates to "fumigants," and there is nothing stated therein to indicate that at the time of the filing of his application he was aware of the fact, if it be a fact, that the insecticidal properties of mono substituted halogen acetonitrile, called for by claim 2, and chloroacetonitrile, called for by claim 3, could be used otherwise than as "fumigants."

It will be observed that the claims are not limited to so-called "fumigants," but are sufficiently broad to read upon other forms of insecticides, such as solids and liquids.

In his statement to the Board of Appeals, the Primary Examiner stated that claims 2 and 3

> are further rejected as too broad and indefinite in failing to restrict the claims to fumigation. The disclosure is restricted to fumigation only. Fumigation necessitates the use of compounds in gaseous form. * * * and there is nothing in the case to indicate that the compounds disclosed would kill insects when applied in solid or liquid form. Accordingly, the present claims are not confined to the subect matter disclosed, and fail to set forth the alleged invention with the particularity required by statute.

With reference to that ground of rejection, the Board of Appeals said:

> The rejection of claims 2 and 3 as too broad and indefinite in failing to restrict them to fumigation was not traversed in the brief, so is assumed to have been proper * * *,

and entered a general affirmance of the Examiner's decision.

Counsel for appellant state in their brief that they had

> inadvertently omitted to set out in writing any argument with regard to the form rejection as to claims 2 and 3, that is, because the Examiner thought they should be limited to a method of fumigation rather than a method of killing insects. This matter was argued orally before the Board and it may well be that inasmuch as the decision was written almost four months after the hearing that they did not recall the argument. It may well be that this court will decide, as is their right, to stand on the printed record.

(It may be said at this point that the court accepts without question the statement of counsel for appellant that the Primary Examiner's holding that the claims are broader than appellant's disclosure was argued orally before the Board of Appeals.)

With reference to that issue, counsel further state:

> The fact is that no good reason has been advanced by anyone for so limiting the claims. While toxic materials which have a boiling point below 200° C. are particularly useful as fumigants due to their comparative ease of vaporization, yet this fact alone does not exclude the ability of those materials to kill by other methods, that is, as a contact poison. The art of record being absolutely silent as to the use of the killing agents by any method, no reason is seen why the applicant is not entitled to claim the killing of insects with them no matter what the specific method. This requirement is thought to be unreasonable and unjustified.

[4] It may be, as argued by counsel for appellant, that appellant's compounds "are particularly useful as fumigants due to their comparative ease of vaporization," and that that fact does not "exclude the ability of those materials to kill by other methods, that is, as a contact poison." However, appellant's application is limited, as stated by the Primary Examiner and as hereinbefore noted, to so-called "fumigants," and there is nothing in the application to indicate that appellant's composition would kill insects when applied in either solid or liquid form. On the contrary, appellant states in his application that his alleged "*invention in its broadest aspect* is concerned with the discovery that all members of the generic class of mono substituted acetonitriles which have a boiling point below 200° C. *are useful as fumigants.*" [Italics not quoted.] Furthermore, as stated in the brief of the Solicitor for the Patent Office, "the function of a claim is not to cover everything as to which the prior art is silent, but to point out what the applicant has invented."

It is well settled that claims in an application which are broader than the applicant's disclosure are not allowable. See *In re Bryson D. Horton*, 19 C. C. P. A. (Patents) 871, 875, 54 F.(2d) 961, 12 USPQ 221, 418 O. G. 273; *In re Thompson*, 30 C. C. P. A. (Patents) 1058, 1062, 135 F.(2d) 930, 57 USPQ 547, 554 O. G. 202.

[5] We are of opinion that appealed claims 2 and 3 are broader than the disclosure in appellant's application and that they were properly rejected for that reason. Accordingly, the decision of the Board of Appeals, affirming the decision of the Primary Examiner rejecting claims 2 and 3 on the prior art and on the ground that they are broader than the disclosure in appellant's application, is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE COULTER

No. 5,145. Decided May 7, 1946

[155 F.(2d) 271; 69 USPQ 531]

DIVISION—SUBCOMBINATION.

Upon consideration of a requirement for division between I, combination claims defining a signalling system for vehicles and broadly calling for a switch and a relay; II, a subcombination claim to the switch; and III, subcombination claims to the relay, *Held* "that the three groups of claims are for separate and distinct inventive subject matter, and that the mechanisms defined by the subcombination claims in groups II and III are not so co-related or interdependent, either in design or operation, to each other or to the signalling system for vehicles defined by the combination claims in group I as to entitle the subcombination claims to be claimed in the same application or in an application with the combination claims."

APPEAL from the Patent Office. Affirmed.

Mr. Edmund B. Whitcomb for Coulter.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner requiring division between three groups of claims in appellant's application for a patent for an alleged invention relating to improvements in a signalling system, particularly for vehicles.

The question of the patentability of the claims here on appeal has not been considered by the tribunals of the Patent Office. Accordingly, the question is not before us for consideration.

Group I includes claims 1 to 7, inclusive, and 13. Group II consists of claim 8. Group III includes claims 9 to 12, inclusive.

Claims 1, 8, and 9 are sufficiently illustrative of the claims on appeal. They read:

> 1. A signalling system for vehicles, spaced signalling means located at each side of the vehicle body including light sources; tell-tale means remotely positioned from said signalling means; connections between said tell-tale means, light sources and a source of electrical energy; controlling means for said connections including a selector switch having a central position and manually movable to operative positions for establishing a closed circuit through said connection from the source of electrical energy to energize the sources of light positioned on one side of the vehicle to indicate the direction of the turning of the vehicle and a normally open circuit with said tell-tale means; and switching means responsive to a predetermined flow of current in the circuit of said light sources for closing the normal open circuit of said tell-tale means.
>
> 8. In combination, an electrical switching arrangement to establish several circuits including a support; a pivoted arm carried by said support having a central position and movable in opposite directions; a plurality of contacting means movable by said arm; a stationary contact element engaging one of said contacting means in its central position and extending in the path of movement thereof; and stationary contacts adapted to be selectively engaged by said contacting means whereby several circuits are established.
>
> 9. A relay for a circuit indicating means arranged for intercalation in a wiring harness including a hollow housing; a frame in said housing; a stationary contact carried by said frame; an electro-responsive means carried by said frame including a movable contact arranged for cooperative engagement with said stationary contact; a plurality of terminals insulatingly supported in said housing; said housing having a plurality of openings to accommodate portions of the wiring harness extending into said housing; the portions of said wiring harness extending into said housing being connected to said terminals; said wiring harness providing the sole support for said housing.

The references are: Swartwout, 1,365,127, January 11, 1921; Tolmach, 1,623,219, April 5, 1927; Harvey, 2,034,866, March 24, 1936; Lamb, 2,178,479, October 31, 1939.

It will be observed that claim 1 defines a signalling system for vehicles which includes a manually selective switch mechanism and a relay mechanism, or, as stated in the claim, "switching means responsive to a predetermined flow of current in the circuit of said light sources for closing the normal open circuit of said tell-tale means."

Claim 8 is a subcombination claim and defines the switching mechanism called for broadly in claim 1.

Claim 9 is also a subcombination claim and defines the relay mechanism called for broadly in claim 1.

In requiring division between the three groups of claims, the Primary Examiner in his statement to the Board of Appeals stated that the signalling system defined in group I belongs to a well-established class of invention, and is so recognized in the art as is clearly shown by the claims in the patents to Swartwout and Tolmach.

With regard to group II (claim 8), the Examiner stated that the claim

> reads on the manual two way or double throw switch 69 of Fig. 5. That the switch is not so highly specialized as to be of doubtful use in any other than the applicant's signalling system is too obvious to require extended comment. Simple double throw switches of the type are very old and in common use in many and various situations * * *,

and that the patent to Harvey, although disclosing a somewhat specialized switch, had general utility and belonged to a "well established class of invention, distinct from any system in which the switch might be used."

As to group III, of which claim 9 is illustrative, the Examiner stated that it defines a relay mechanism which has various uses and is well recognized in the art as an established class of invention, and that the function of the relay defined in group III is "the simplest that a relay can have." The Examiner referred to claim 4 in the Lamb patent which, he stated:

> includes sufficient supporting means to constitute "a unitary assembly," which is strictly analogous to details providing support by the wiring harness in the present claims.

The Examiner then said that applicant's relay mechanism with its support had

> general application in many systems, for instance the ignition harness on an airplane or a submarine, or even for the control of a pilot light in a fire alarm system * * *;

that the switch mechanism defined in group II and the relay mechanism defined in group III could be used in many systems without any change in the structure of those mechanisms; and that "therefore there is no novel or peculiar relation making the switch and relay necessary parts of the system of group I."

In affirming the decision of the Examiner, the Board of Appeals stated that the switching mechanism, defined in claim 8, and the relay mechanism,

defined in claim 9, were capable of general use and were not limited to applicant's signalling system as clearly disclosed by the patents to Harvey and Lamb, and that the signalling system defined in claim 1 was a well-recognized separate and independent subject of invention as disclosed in the patents to Swartwout and Tolmach.

In replying to the argument of counsel for appellant that appellant disclosed in his application a unitary signalling system and that, therefore, the three groups of claims should be considered together as combination and subcombination claims, the Board stated that many complex mechanisms, including those in the electrical arts, employ subcombinations that are recognized as separate and independent subjects of invention; that switches and relay mechanisms in electrical systems have long been recognized as separate subjects of invention; and that, although the classification in the Patent Office was not conclusive on the question of division, nevertheless, division was required where subcombinations such as electrical switches and relay mechanisms are separate subjects of invention. The Board further stated:

> Another point urged by applicant is that in this case the sub-combination or subjects of invention, that is, the switch and relay are such that the system must depend upon them and that they mutually contribute to producing a certain result. It is not apparent but that other switches and relays could be used in applicant's system and the specific switch and relay do not necessarily contribute to produce a single result any more than other specific forms could accomplish.

Counsel for appellant contends that the Patent Office tribunals have improperly construed the provision of rule 41 of the Rules of Practice in the United States Patent Office, which, so far as material here, provides that "Two or more independent inventions can not be claimed in one application; but where several distinct inventions are dependent upon each other and mutually contribute to produce a single result they may be claimed in one application," and it is urged by counsel that where separate inventions actually depend upon each other and contribute to produce a single result, it is immaterial under the rule that the separate inventions might be independently used, and, as he states, "therefore dependent on other combinations, or that the separate inventions might not also mutually contribute in other environments to *other* results." [Italics quoted.]

It is further contended by counsel for appellant that as the switching mechanism, defined in claim 8, and the relay mechanism, defined in the claims of group III, are necessary to the operation of the signalling system for vehicles defined in the claims of group I, and as appellant's disclosure is an "inventive conception of a complete, unitary, successfully operating, directional signal system and each part thereof is essential to every other part" and dependent thereon, appellant is entitled to have the subject matter defined in the three groups of claims considered in the same application.

It is not questioned here by counsel for appellant that the three groups of claims are separately and independently classified in the Patent Office, or that the switch mechanism, defined in claim 8, and the relay mechanism, defined in the claims in group III, could be used in other systems without any change in the structure of those mechanisms.

There is no evidence whatsoever of record to warrant a holding that the tribunals of the Patent Office were in error in stating that the switch mechanism and the relay mechanism defined in groups II and III, respectively, could be used in many other systems, or that the combination called for by the first group of claims and the subcombination called for by the second and third groups of claims are recognized in the art as separate and independent subjects of invention as disclosed in the patents of record.

The quoted provisions of rule 41, supra, and issues similar to those raised here by counsel for appellant have been fully considered by this court in several cases. See *In re Pedersen*, 22 C. C. P. A. (Patents) 788, 73 F.(2d) 928, 23 USPQ 345, 453 O. G. 466, and cases therein cited; *In re Ferenci*, 23 C. C. P. A. (Patents) 1023, 83 F.(2d) 279, 29 USPQ 162, 468 O. G. 747; *In re Moss et al.*, 26 C. C. P. A. (Patents) 861, 101 F.(2d) 536, 40 USPQ 479, 503 O. G. 583; *In re Freeman*, 26 C. C. P. A. (Patents) 1265, 104 F.(2d) 187, 41 USPQ 784, 508 O. G. 290.

In the last cited case, we quoted the following excerpt from our decision in the case of *In re Ferenci*, supra:

> It will be noticed in the above quotation [from the decision of the Board of Appeals] that there are two main reasons which brought the Board to the conclusion that the inventions were so unrelated as to prevent their being included in the same application: First, agreeable to the holding in *In re Creveling* * * * [46 App. D. C. 536] (although not cited), it is pointed out that the wrapping material severing means and the bread slicing machine "have each acquired a distinct status in the art"; second, it is intimated that the details of the subcombination claims "are adapted for use generally in other structures or combinations and their functions are well understood."
>
> While we approve of the application of these two considerations in determining when two or more inventions may be "related" in respects heretofore referred to, we are not willing to say that the application of one or both of them may in every instance be determinative of the question. We think, however, that where a subcombination has acquired an independent status in the art, as is evidenced by patents being granted for the subject matter of such subcombination, and a separate examining division in the Patent Office is set up for its consideration, and where the subject matter of such combination is a matter of common understanding and is adapted for substantial, practical uses other than in, and independent of, the general combination, it ordinarily would not be regarded as being so related to the general combination as to entitle it to be claimed in the same application with the combination to which it belonged.
>
> Obvious difficulties in making application of the foregoing principles in every instance where the question might arise would suggest that they should not be regarded as inflexible and indispensable criteria. In some of the cases involving this question, there might be no factual basis for the application of all the above principles, and yet the subcombinations there involved might clearly be unrelated to the other claimed subject matter.
>
> The views above expressed are, in part, very clearly and succinctly stated at page 465 of the Journal of the Patent Office Society, Volume 1, No. 9, in an article by C. H. Pierce, and we quote therefrom as follows:
>
> * * * it is believed to be the more modern doctrine and practice that where an element or subcombination which is claimed in the same case with a combination of which it forms a part, even if that combination be new, is clearly capable of use apart from the combination and in other relations and not restricted in its design, operation and capabilities to use therewith, and if in addition there is a developed state of the art in relation to it, constituting a different field of activity and search, division may be required without awaiting determination of the novelty of the combination * * *,

and held, in accordance with the statement of the law as announced in the quoted excerpt, that as the subcombination claims there involved were not "restricted either in design or operation to any particular machine" and as they involved "separate and independent inventive acts," they were "not so related as to entitle them to be claimed in the same application."

It will be observed that in the Ferenci case, supra, we said, in substance, that where subcombinations had acquired an independent status in the art as evidenced by issued patents and were separately classified in the Patent Office, as in the instant case, and where such subcombinations were adapted for "practical uses other than in, and independent of, the general combination," claims to such subcombinations would not ordinarily be considered "as being so related to the general combination as to entitle * * * [them] to be claimed in the same application with the combination to which * * * [they] belonged."

Counsel for appellant also contends that claim 8, by virtue of the language contained therein, actually includes the relay, and that, therefore, "the whole purpose of applicant's system is involved in" that claim. In support of his argument, counsel relies upon the last clause in that claim which reads: "and stationary contacts adapted to be selectively engaged by said contacting means whereby several circuits are established." Counsel concedes that the quoted language in the claim is broadly worded. He contends, however, that it "inferentially, but nevertheless, actually" includes the relay.

The purpose of a switching mechanism is to establish circuits, and we are of opinion that the quoted excerpt from claim 8, relied upon by counsel, cannot properly be held to define a relay mechanism.

It is further contended by counsel for appellant that the claims in group III call for the relay therein defined arranged for connection in a wiring harness, portions of the wiring harness extending into a hollow housing and providing the sole support therefor; that the "combined relay and housing combination" called for by quoted claim 9 includes the "wiring harness which constitutes the elements of the connections of the system claimed in" quoted claim 1 of group I; and that, therefore, the signalling system defined in claim 1 and the relay mechanism defined in claim 9 depend upon each other.

Assuming that the wiring harness, referred to in quoted claim 9, is a positive element of that claim, and that it is the sole support for the housing of the relay mechanism, there is nothing in the claim to indicate that the wiring harness is the connection between the source of electrical energy and the light sources as argued by counsel for appellant. The most that the claim calls for in that respect is that the wiring harness is connected to the terminals of the relay and is the sole support for the housing of the relay.

We are in agreement with the statement contained in the decision of the Primary Examiner, hereinbefore quoted, that claim 4 of the Lamb patent includes supporting means and defines a "unitary assembly" which is analogous "to details providing support by the wiring harness in" quoted claim 9, and we think it is evident that the subject matter of claim 9 belongs to the same class of invention as that claimed in the Lamb patent.

Counsel for appellant states in his brief that the third group of claims calls for "the particular type of relay and supporting means therefor." No contention is made by counsel that claims 10, 11, and 12 of that group differ in any material respects from the subject matter called for by quoted claim 9.

It is unnecessary that we refer to other arguments presented here by counsel for appellant, as it is evident from the facts of record that the three groups of claims are for separate and distinct inventive subject matter, and that the mechanisms defined by the subcombination claims in groups II and III are not so co-related or interdependent, either in design or operation, to each other or to the signalling system for vehicles defined by the combination claims in group I as to entitle the subcombination claims to be claimed in the same application or in an application with the combination claims.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

WASBERG *v.* DITCHFIELD

DITCHFIELD *v.* WASBERG

Nos. 5,158 and 5,159. Decided May 7, 1946

[155 F.(2d) 408; 69 USPQ 538]

1. INTERFERENCE—COUNTS—LIMITATION.
   "Each of the involved counts contains an express limitation which must be considered as material in determining the right of each of the parties to make the claims constituting the counts in issue."
2. APPLICATION—DISCLOSURE—INHERENCY.
   In determining whether the limitation, in claims to a box-car door, of "an opening in the inner pocket" was inherently disclosed in the application of Ditchfield, which did not show or describe such an opening, *Held* that the "issue is simply whether one skilled in the art, in constructing the device from the disclosure in Ditchfield's application, would necessarily provide an opening in the inner pocket."
3. SAME—SAME—SAME.
   "Inherency requires certainty and cannot be established by possibilities or mere probabilities. * * * It is not sufficient, therefore, that one skilled in the art, in an attempt to follow the Ditchfield disclosure, might provide an opening such as that called for by the counts in issue."
4. SAME—SAME—SAME—EVIDENCE.
   "It is immaterial what Ditchfield intended to disclose in his application, or what disclosure he made to his attorney, and no weight can be given to the evidence presented by him on such matters."

5. SAME—SAME—ACCIDENTAL OPERATION.

Accidental leakage past a sealing member *Held* to form no proper basis for claims to a box-car door calling for "an open-ended inner pocket."

APPEAL from the Patent Office. Modified.

Mr. Rodney Bedell (*Mr. Joseph H. Milans* of counsel) for Wasberg.

Mr. Samuel Reese (*Mr. Lee L. Townshend* of counsel) for Ditchfield.

HATFIELD, *J.:*

These are cross-appeals in an interference proceeding from the decision of the Board of Interference Examiners awarding priority of invention of the subject matter defined by counts 1 to 4, inclusive, 7, 9, 11, 12, and 13 to appellee Wasberg in appeal No. 5159, and that defined by counts 5, 6, 8, and 10 to appellee Ditchfield in appeal No. 5158.

The interference is between Wasberg's patent, No. 2,313,106, issued March 9, 1943, on an application, No. 400,234, filed June 28, 1941, and an application of Ditchfield, No. 354,709, filed August 29, 1940.

The counts originated in Wasberg's patent and were copied by Ditchfield for interference purposes.

Wasberg is the junior party and the burden was upon him to establish priority of invention by a preponderance of the evidence.

As Wasberg failed in his preliminary statement to allege a "date prior to the filing date" of Ditchfield's involved application, he was ordered to show cause why judgment on the record should not be entered against him.

In answer to the order to show cause, Wasberg moved to dissolve the interference on the ground that Ditchfield could not make the claims constituting the counts in the interference. The motion was denied by the Primary Examiner.

The party Wasberg, thereupon, moved to introduce evidence for the purpose of establishing that the device disclosed in the Ditchfield application was not constructed, and would not operate, in accordance with the structure defined by the counts in issue, and also moved that the issue be set down for hearing. Both motions were granted by the Examiner of Interferences, whereupon both parties to the interference submitted evidence on the issue presented. No other issue is involved in the case.

In this court, the party Wasberg, in appeal No. 5158, has appealed from that portion of the Board's decision holding that Ditchfield could make the claims constituting counts 5, 6, 8, and 10, and, therefore, was entitled to an award of priority of invention of the subject matter defined by those counts, and, in appeal No. 5159, the party Ditchfield has appealed from that portion of the Board's decision holding that he was not entitled to make the claims constituting counts 1 to 4, inclusive, 7, 9, 11, 12, and 13, and that Wasberg was entitled to an award of priority of invention of the subject matter defined by those counts.

The invention defined by the counts in issue relates to a sliding-door arrangement for railway box cars.

Counts 1 and 10 were considered typical by the Board. They read:

1. In combination, a car sliding door having a body panel and an auxiliary post with an exterior face secured to one of the upright marginal portions of said panel, said post having elements forming a pocket positioned inwardly of the car from the exterior face of the post and having a closed inner end and an open end facing towards the exterior of the door opening, and another door having an upright marginal portion movable into cooperative relation with said post to close the door opening and provided with a member overlying said pocket open end when the doors are in closed position.

10. In combination, a pair of sliding doors movable into closed position with their adjacent edges abutting each other, each of said doors comprising a body panel and framing members at the margins thereof, the framing on the adjacent margins of the two doors including overlapping elements forming successive pockets closed from the space at the inner side of the doors, each having a relatively small opening directed outwardly from said space whereby air and matter carried thereby tending to pass from the space at the outer side of the doors to the space at the inner side of the doors is trapped, the body panels of the doors lying in the same general plane and one of the pockets resulting from the pocket forming elements being positioned inwardly of said plane and the other pocket being positioned outwardly of said plane.

Counts 5, 6, and 8, which together with count 10 were awarded Ditchfield, read:

5. In combination, a pair of sliding doors movable edgewise into closed position with respective members on their adjacent edges abutting each other, there being elements on said edges overlapping and cooperating with said members to form successive pockets facing in opposite directions longitudinally of the doors and each having a closed inner end and sides flaring towards an open end facing towards the exterior of the door opening and baffling the admission of air and matter carried thereby to the interior of the doors.

6. A structure as described in count 5 in which the pockets are abreast of each other transversely of the doors.

8. In combination, a pair of sliding doors movable edgewise into closed position with respective members on their adjacent edges abutting each other, there being elements on said edges overlapping and cooperating with said members to form successive pockets, the inner end and sides of each pocket being closed from the space at the inner side of the doors and the sides of the pockets flaring towards an open end facing towards the exterior of the doors and baffling the admission of air and matter carried thereby to the space at the interior of the doors.

The Wasberg patent discloses two doors, a main door and an auxiliary door, movable horizontally into and out of engagement with each other. The auxiliary door, which is ordinarily in closed position, carries a vertical post at the edge which engages the main door. The post may be locked to the car sill. A sealing structure is provided adjacent the post which is designed to form a tight fit with the edge of the main door when the doors are in engagement. The sealing structure comprises two rigid vertical flanges which are flared in opposite directions to form a groove adapted to receive the vertical edge of the main door, so that, when the doors are closed, one flange is within the car and the other is on the outside. A flexible vertical strip is attached to the end of the flange which lies within the car and extends outwardly to a point where it engages the edge of the main door throughout its entire length when the doors are in closed position. The flexible strip is bent at its edge and the bent portion also engages the main door throughout its entire length. The flexible strip and the inner flange form a pocket, the width of the strip being such that the pocket has an open mouth which faces outwardly to trap cinders, dirt, etc., which might otherwise enter the car. When the doors are closed, the edge of the main door and the outer flange of the auxiliary door cooperate to form a second pocket which opens outwardly. It will thus be seen that there are provided two pockets, one inside the car and the other outside, both pockets opening outwardly.

The Ditchfield structure is generally quite similar to that of Wasberg and, so far as the outer pocket is concerned, there is no difference between the two which is of importance here. In the Ditchfield structure, the inner flange of the auxiliary door is bent to form a vertical channel which, when the doors are closed, extends opposite and close to, but not in contact with, the edge of the main door. One edge of flexible weather strip is secured along the bottom of the channel, the free edge of the strip extending outwardly, so that, when the doors are closed, the free edge is bent back along the edge of the main door. In the Ditchfield drawing, the free edge of the weather strip is shown as contacting the auxiliary door and completely closing the mouth of the pocket formed by the strip and the channel when the doors are closed.

It is conceded in Ditchfield's brief that all of the "counts call for the doors being *closed* or *closed and in abutment.*" [Italics quoted.]

[1][2][3][4] Each of the counts is limited to a structure in which the pocket which lies within the car is open at one portion, although the language of the counts differs to some extend. Count 5, for example, which is one of the counts awarded Ditchfield, calls for each pocket "having a closed inner end and sides flaring towards an open end." Each of the involved counts contains an express limitation which must be considered as material in determining the right of each of the parties to make the claims constituting the counts in issue. *Bijur* v. *Rushmore*, 46 App. D. C. 395, 1918 C. D. 122, 246 O. G. 301; *Potts* v. *Kimball et al.*, 30 C. C. P. A. (Patents) 847, 134 F.(2d) 327, 56 USPQ 556, 553 O. G. 559, and cases therein cited. Accordingly, unless Ditchfield fairly discloses an opening in the inner pocket he is not entitled to make the counts.

Ditchfield's drawing does not disclose any opening in the inner pocket, and his specification does not mention such an opening. Accordingly, he could be held entitled to make the counts only on the theory that such an opening, although neither shown nor described, is inherent in his disclosure.

Inherency requires certainty and cannot be established by possibilities or mere probabilities. See *Brand* v. *Thomas*, 25 C. C. P. A. (Patents) 1053, 96 F.(2d) 301, 37 USPQ 505, 496 O. G. 561; *Hansgirg* v. *Kemmer*, 26 C. C. P. A. (Patents) 937, 102 F.(2d) 212, 40 USPQ 665, 505 O. G. 514; *Temple* v. *Littlehale*, 29 C. C. P. A. (Patents) 869, 125 F.(2d) 730, 52 USPQ 489, 539 O. G. 491. It is not sufficient, therefore, that one skilled in the art, in an attempt to follow the Ditchfield disclosure, might provide an opening such as that called for by the counts in issue.

It is immaterial what Ditchfield intended to disclose in his application, or what disclosure he made to his attorney, and no weight can be given to the evidence presented by him on such matters. The issue is simply whether one skilled in the art, in constructing the device from the disclosure in Ditchfield's application, would necessarily provide an opening in the inner pocket.

The evidence introduced by the parties consists largely in speculation and opinion as to whether there will necessarily be an opening in the inner pocket of the Ditchfield device. It is urged here by counsel for Ditchfield that, because of practical reasons, the Ditchfield weather strip could not form a tight closure at the mouth of the pocket.

We have considered all of the evidence introduced on behalf of Ditchfield, but deem it unnecessary to discuss it here.

It is true, as held by the Board of Interference Examiners, that, although the evidence introduced by Ditchfield indicates that gaps and leakage might occur in his device, it does not establish that the inner pocket of the Ditchfield structure has an open portion within the meaning of the counts, or that his structure would inherently operate in the manner contemplated by the counts.

[5] The weather strip in the Ditchfield structure is a sealing member and is disclosed as completely bridging the mouth of the pocket when the doors are in closed position. It was intended, so far as the Ditchfield disclosure is concerned, to effect as tight a closure as possible, and it is clear that any leakage which might take place would be merely accidental. If any such leakage occurs, it could not properly form a basis for the counts here involved. *In re Ratigan*, 32 C. C. P. A. (Patents) 904, 147 F.(2d) 1021, 64 USPQ 567, 575 O. G. 6.

The Board of Interference Examiners held that Ditchfield could not make the claims constituting counts 1 to 4, inclusive, 7, 9, 11, 12, and 13, because he did not show an open-ended inner pocket, but that he could make the claims constituting counts 5, 6, 8, and 10, because they "are broader and set forth the function of the inner pocket in baffling the admission of air and matter carried thereby."

It will be observed that count 5 calls for "successive pockets," and states that each pocket has "a closed inner end and sides flaring towards an open end facing towards the exterior of the door opening." That language clearly requires that the inner pocket shall be open at its outer end. Accordingly, Ditchfield cannot make that count for the reasons hereinbefore stated. Count 6 is dependent on count 5 and contains the same limitations. Count 8 contains substantially the same language as count 5, so far as the open ends of the pockets are concerned. Count 10 calls for successive pockets "each having a relatively small opening directed outwardly" which requires an opening in the inner pocket.

We are of opinion, therefore, that the Ditchfield application does not disclose the subject matter defined by any of the counts in issue, and that the Board erred in awarding priority of invention of

the subject matter defined by counts 5, 6, 8, and 10 to the party Ditchfield.

For the reasons stated, the decision of the Board of Interference Examiners is modified, being affirmed so far as it holds that the party Wasberg is entitled to an award of priority of invention of the subject matter defined by counts 1 to 4, inclusive, 7, 9, 11, 12, and 13, and reversed so far as it holds that the party Ditchfield is entitled to an award of priority of invention of the subject matter defined by counts 5, 6, 8, and 10.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE BROGDEN ET AL.

No. 5,147. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 187]

1. PATENTABILITY—SPECIES CLAIMS.

Claim 5 of appellants' application *Held* to define a patentable species under the genus defined by allowed claim 3; and *Held* that "claim 5 may be allowed as a reasonable and advantageous protection of appellants' invention."

2. SAME—SAME—IMMATERIAL LIMITATIONS.

"Claims 6 and 7 are successively narrower in scope than claim 5. There is nothing added in claims 6 and 7, however, that is not necessarily provided for in both claims 3 and 5. For that reason such claims are unnecessary and are not allowable on the ground that they contain immaterial limitations."

3. SAME—OLD COMBINATION.

Certain claims directed to a bottle carrier in combination with the bottles to be carried thereby *Held* properly rejected as defining a combination broadly old in the art.

4. APPEAL—RECORD—BRIEF.

"No useful purpose ever can be served by the incorporation of extrinsic or immaterial matter in the transcript of a record on appeal or in the brief of counsel. On the contrary, such action has a tendency not only to confuse the issue involved but also to retard the work of the court through the imposition of unnecessary and often prolix matters for its examination."

APPEAL from the Patent Office. Modified.

Mr. Roy F. Steward for Brogden et al.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting twenty-two claims in appellants' application for a patent for certain alleged new and useful "Improvements in Bottle Carriers and Packages." The Examiner rejected all the submitted claims, 1 to 25 inclusive; but the Board allowed claims 1, 3, and 21 which are generic to the two species of the invention defined by the claims. Claims 5, 6, 7, 15, 16, 17, 22, and 23 are drawn to the elected species. Claims 8, 9, 10, 18, 19, 20, 24, and 25, drawn to the non-elected species, were not appealed and are not before the court.

Claims 4, 11, and 22 are illustrative—

4. A bottle carrier as set forth in claim 3, having a handle strip with barbed ends engaged in slots provided in said side walls, said strip being long enough to provide a handgrip loop extending above the bottle tops when the carrier is loaded and being collapsible downwardly toward the top section.

11. A merchandising package comprising the combination, with a carrier as defined in claim 1, of a plurality of bottles of the stated character contained therein and snugly engaged by said sections of the carrier in the relation specified in said claim.

22. A consumer-unit bottle package comprising a group of cylindrical bottles of uniform size and shape and having upwardly tapering neck portions, compactly arranged in a single row, in combination with a carrier therefor consisting of a strip of thin flexible paperboard having its ends overlapped and joined to form a longitudinally continuous open-ended tube providing a bottom section, opposed side wall sections and a top section, which tube extends continuously around the bottle group circumferentially under stress compelling snug conformation of said sections to the base, the opposed long sides and the shoulder portion of the bottle group respectively; said carrier being so proportioned and having its top so apertured that the tapering bottle necks project beyond the highest portion of the carrier top a distance sufficient to permit grasping any bottle neck with the hand, said highest portion being of substantial width and extending substantially parallel to the carrier base; said bottom section being approximately from three-sixteenths to about one inch narrower than the base portion of the bottle group; said side walls being provided with oppositely disposed pairs of gripping apertures adjacent their junctions with said bottom section having a width parallel to said junctions equal to at least two-fifths of the given bottle diameter and extending a substantial distance transversely into the side wall sections; and the edges of said apertures being maintained in gripping engagement with the bottle base rims by the stress aforesaid whereby to resist movement of the bottles toward either open end of the carrier; said package being substantially rigid and non-deformable under normal conditions of use.

The references are—Manteau (French), 429,591, July 22, 1911, Cunningham, 1,702,199, February 12, 1929; Cubberley, 1,968,877, August 7, 1934; Janowitz, 2,021,788, November 19, 1935; Schell, 2,036,645, April 7, 1936; Keith, 2,094,744, October 5, 1937; Seifer, 2,109,034, February 22, 1938.

The device constructed by appellants comprising a carrier and a handle is designed to be used in the sale to customers in retail stores of bottled beverages in paperboard packages containing a small number of bottles, usually six or less, of uniform size and shape, and to encourage the customer, after the beverage has been consumed, to bring the bottles back in such container to obtain the refund of the deposit for the bottles commonly required at the time of purchase.

Appellants contend that—

The allowance by the Board of generic claims 1, 3 and 21, of which 1 and 3 are the broadest claims in the application, greatly simplifies and narrows the issue of this appeal. Broad patentable novelty of appellants' invention has already been conceded by the allowance of those claims, and is therefore not in issue here. The only question remaining is whether appellants, having been adjudged entitled to broad claims, are entitled to still other and more specific claims which appellants contend should properly be allowed them for fully adequate protection of their invention, but which the Board has refused on grounds which appellants believe to be erroneous as set forth in their assignment of errors.

The argument which appellants advance here was submitted to the Board of Appeals and adversely ruled upon by it on a motion involving the reconsideration of its original decision.

It is noted in the decision of the Board that claims 2, 4, 12, and 14, directed to a combination of a bottle carrier with a handle structure, were rejected as

aggregative and lacking invention over the patent to Janowitz and others of record, and claims 5, 6, and 7 on the ground that they add nothing to claim 3 to which they are appended. Claims 11 to 17, inclusive, 22, and 23, directed to a package comprising the carrier in combination with the bottles to be carried thereby, were rejected on the ground not only that there was no patentable combination of such a structure with the bottles to be carried therein, but also that such a combination was lacking in invention over such references as Cubberley and Keith.

The patent to Manteau relates to a container for the transportation of bottles, cans or other objects which may be disposed respectively in a single row, two rows or three. The packing or container of Manteau consists essentially of a single sheet of pasteboard or other appropriate material in which a series of openings is provided for receiving the necks of bottles or other similar objects placed side by side. The dimension of this sheet is adapted so that it can be folded four times on itself about the ensemble of the bottles the necks of which are engaged in said openings.

Cubberley provides a bottle carrier constructed from a single sheet of cardboard so as to substantially enclose and lock the bottles therein against shifting. The carrier with its contents may be placed in bottle crates. The mid-portion or bottom of the carrier is described as having sides extending upwardly therefrom—

• • • the distance between the parallel lines of folding of the bottom and sides being a slight amount less than the diameter of the bottom of the bottles to be carried therein. The respective sides of the carrier, near the bottom thereof, are cut away and the bottom portion is provided with arcuate shaped tabs extending through these cutaway portions to conform to the shape of the bottle bottoms.

Furthermore, in Cubberley—

• • • Hand grips are provided in the sides near the top of the carrier by cutting out openings in opposite parts of the carrier and by folding the material cut out inwardly. • • •

Keith shows a bottle wrapper formed from a single strip of flexible material, such as paper or pasteboard, cut and creased to form either a single or double row carton with openings in the lower portions of the sides to fit the lower bulges of the plurality of carried bottles. Keith is also provided with a handle for use in transporting the bottle carrier.

Appellants provide a handle for their container which handle has its bifurcated barbed ends engaged in pairs of locking slots provided near the upper edges of the side walls and is collapsible down upon the container top.

Janowitz discloses an invention for the formation of handles from tape for carrying packages "so that when a portion of the tape is used for securing a package, a loop may be left free and a handle formed therein to facilitate carrying of the package." To accomplish the desired result, Janowitz provides "sets of slits at intervals along the tape so that the edges may be infolded at the desired points for distances sufficiently long to form a handle which will be reinforced by the infolded edges."

Schell relates to movable handles for use as a carrying medium, "the handles being adapted to be selectively raised to a position to be grasped, or pushed down into a sheathed flat-lying relationship with their supporting body."

Seifer discloses "a carrying handle for use with pasteboard or paper containers usually made from flat stock and folded into their desired shape, the handle being of a character that will permit it being readily attached to the container" and being made of the same stock as the container.

The Board of Appeals held that while Cubberley is adapted to fit snugly about a group of bottles, the patent was not anticipatory of that feature of appellants' claims which define a bottle carrier "provided with openings or apertures in the top section thereof large enough to permit the tapered neck portions of the bottles to project upwardly beyond the top section."

Keith, the Board further held, did not anticipate that feature of appellants' carrier "which is so constructed that gripping engagement of the bottle rims is compelled by the snugness with which the carrier conforms circumferentially to the top, bottom and two opposed sides of the bottle group, as set out in claim 1, for example." A similar ruling was made regarding Manteau.

For the reasons hereinbefore stated, the Board allowed claim 21, directed to the bottle carrier, and also claims 1 and 3, as defining invention over the cited references.

Cubberley and Keith show, however, that a handle structure in combination with a bottle carrier is old in the art and it would involve no patentable distinction to substitute a handle such as described in Janowitz, Schell, and Seifer for appellants' use. We therefore agree with the Board that the combination of the bottle carrier with a handle structure of the general type defined by claims 2, 4, 12, and 14 is unpatentable over the cited references.

Appellants urge that the Board erred in holding that claims 5, 6, and 7 do not "add anything to claim 3 to which they are appended," that "None of claims 5, 6, and 7 appears to have limitations which set out any structure not necessarily present in the structure of claim 3," and that "the claims are multiplied until the invention covered by allowed claim 3 becomes vague." It is noted that claim 3 is generic to the two different species of the bottle carrier disclosed by appellants; one in which the bottles are disposed in the carrier in a single row and the other in which the bottles are disposed in a double row.

Claims 5, 6, and 7 are directed to the first species and the important and material limitations which

appellants allege differentiate such claims from claim 3 are defined as follows in their brief:

> Claims 5–7 all expressly recite that the top section of the carrier has a single row of neck-receiving apertures; also that the width of the bottom section of the carrier shall be less than the bottle diameter. Claims 6 and 7 require that the neck-receiving apertures shall be spaced apart between centers a distance slightly exceeding one bottle diameter; while claim 7 additionally requires that the base rim-gripping apertures also shall be similarly spaced apart.

For the purpose of considering claims 5, 6, and 7 in their entirety, it is deemed advisable to copy claim 3, which the Board allowed. It reads—

> 3. A bottle carrier adapted to hold a plurality of cylindrical bottles of predetermined uniform size and shape with upwardly tapering neck portions, which comprises a strip of relatively thin flexible sheet material suitably bent and having its ends overlapped and joined to form an open-ended tubular container with a top section and a bottom section, both longitudinally continuous and connected together by two opposed upright side walls, said top section being provided adjacent substantially the topmost part thereof with apertures in substantially rectilinear arrangement and large enough to permit the tapered neck portions of a group of bottles placed in the carrier to project a substantial distance upwardly therebeyond, with said topmost part extending transversely between the lower portions of the bottle necks and substantially perpendicular to the bottle axes, said side walls being apertured adjacent their respective junctions with said bottom section for gripping engagement with the base edges or rims of such bottles, such base apertures each having an effective rim-gripping width equal to at least two-fifths of the given bottle diameter; the size of said apertures in the top section being so correlated with the peripheral distance between them and the respective aforesaid junctions and said sheet material being of such thinness and flexibility that, when bottles of the predetermined size and shape for which the carrier is designed are contained therein, the edges of such base apertures engage the respective bottle rims and resist movement of the bottles toward either end of the carrier, such engagement being compelled by the snugness with which the carrier conforms circumferentially to the top, bottom and two opposed sides of the bottle group, whereby the resultant package constitutes as a whole a relatively nondeformable unit of substantial rigidity.

We also deem it advisable to quote the express limitations defined by claim 5—

> 5. A bottle carrier as set forth in claim 3, wherein said top section has a single row of neck-receiving apertures, and the width of said bottom section is less than the bottle diameter.

It is noted that the Examiner in his action upon claims 5, 6, and 7 rejected them on the sole ground that they were unpatentable as lacking invention over a certain combination of the cited references and that the Board in its action distinguished appellants' claims of the type of 1 and 3 over that combination and allowed both claims. Claim 3 as hereinbefore noted is generic to the dependent claims 5, 6, and 7. Although narrower in scope than claim 3 by reason of their express limitations, the dependent claims include the subject matter of claim 3. Thus, claim 5 is limited to a bottle carrier for transporting bottles disposed in a single row, while claim 3 is not.

[1][2] It is our opinion that claim 5 defines a patentable species under the genus defined by claim 3 and that claim 5 may be allowed as a reasonable and advantageous protection of appellants' invention. Claims 6 and 7 are successively narrower in scope than claim 5. There is nothing added in claims 6 and 7, however, that is not necessarily provided for in both claims 3 and 5. For that reason such claims are unnecessary and are not allowable on the ground that they contain immaterial limitations.

[3] Claims 11, 13, 15, 16, 17, 22, and 23, directed to the bottle carrier in combination with the bottles to be carried thereby, were rejected both by the Examiner and the Board as defining a combination broadly old in the art as disclosed, for example, in the patents to Cubberley and Keith. Those patents disclose a bottle carrier formed from a single strip of flexible material having suitable creases and apertures with bottles placed within the carrier. In our opinion, this holding of the Board is amply supported by the record which discloses further that appellants' carrier does not cooperate with its load of bottles in any such manner as to produce a new, useful or unexpected result.

While appellants contend here that they have introduced in the structural factors of their bottle carrier, "a principle of construction never before utilized in this art," the record discloses and the Board correctly held that appellants merely constructed a bottle carrier which fits the bottles more closely than do the bottle carriers of the cited references. For that structure adequate claims have been allowed.

Speaking of the record, it is noted that although Cunningham is cited as a reference not only by the Examiner but also by the Board, it is not included here in the transcript of the record. On the other hand, "In order," as appellants state in their brief, "to give a more complete and accurate picture of the prior art than can be had from only the references relied upon by the Patent Office," they have incorporated in the record a reproduction of seven different patents none of which was mentioned by the tribunals of the Patent Office. Furthermore, appellants devote an important element of their brief incidental to a discussion in detail of various features of these extraneous patents.

[4] No useful purpose ever can be served by the incorporation of extrinsic or immaterial matter in the transcript of a record on appeal or in the brief of counsel. On the contrary, such action has a tendency not only to confuse the issue involved but also to retard the work of the court through the imposition of unnecessary and often prolix matters for its examination. The seven patents thus introduced by appellants and the arguments presented in their brief regarding such patents necessarily have been examined and it is found that they have no bearing whatever on the issue in this case.

In view of our conclusion it is unnecessary to discuss and pass upon other points raised by appellants. For the reasons stated, claim 5 is allowed and the action of the Board in rejecting the remainder of the appealed claims is affirmed.

Modified.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

Public Law 517—79th Congress

[CHAPTER 587—2D SESSION]

[H. R. 3424]

AN ACT

To permit renewal of certain trade-mark registrations after expiry thereof, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That whenever the President shall find that foreign proprietors of trade-marks registered in the United States Patent Office who are nationals of countries which accord substantially equal treatment in this respect to trade-mark proprietors who are citizens of the United States are or may have been temporarily unable to comply with the conditions and formalities prescribed with respect to renewal of such registrations by section 12 of an act to authorize the registration of trade-marks used in commerce with foreign nations or among the several States or with Indian tribes, and to protect the same, approved February 20, 1905, as amended (15 U. S. C. 92), because of the disruption or suspension of facilities essential for such compliance because of conditions growing out of World War II, he may by proclamation grant such extension of time as he may deem appropriate for the fulfillment of such conditions or formalities by such foreign proprietors: *Provided*, That the President may at any time terminate any proclamation authorized herein or any part thereof or suspend or extend its operation for such period or periods of time as in his judgment the interests of the United States may require: *Provided further*, That no such extension of time shall permit the filing of applications more than three years after the approval of this act: *And provided further*, That the benefits of this act shall not extend to nationals of any enemy country with which the United States was at war in World War II.

Approved July 17, 1946.

Public Law 690—79th Congress

[CHAPTER 910—2D SESSION]

[H. R. 5223]

AN ACT

To extend temporarily the time for filing applications for patents, for taking action in the United States Patent Office with respect thereto, for preventing proof of acts abroad with respect to the making of an invention, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the rights of priority provided by section 4887 of the Revised Statutes (U. S. C., title 35, sec. 32), as amended, for the filing of applications for patent for inventions, discoveries, and designs, which rights had not expired on the 8th day of September 1939, or which rights have arisen since the 8th day of September 1939, shall be, and the same are hereby, extended until the expiration of a period of twelve months from the passage of this act in favor of the citizens of the United States and of citizens or subjects of all countries which have extended, or which now extend or which within said period of twelve months shall extend substantially reciprocal privileges to citizens of the United States, and such extension shall apply to applications upon which patents have been granted, as well as to applications now pending or filed within the period specified herein: *Provided*, That no such extension shall apply to any patent unless a request in writing was made therefor during the pendency of the application for such patent in the United States Patent Office, or within twelve months after the passage of this act, which request must be accompanied by (1) a copy of the original foreign application, certified to by the patent office of the country in which it was filed, but if the original foreign application has been destroyed, other evidence pertaining thereto may be accepted; (2) a sworn translation of the same if it is not in the English language; and (3) if the foreign application was not made by the inventor himself, an affidavit by the applicant or patentee stating that such application was filed for his benefit or on his behalf and that such procedure is in accordance with the procedure in the foreign country: *Provided further*, That no patent granted or validated by reason of any such extension shall in any way furnish a basis of claim against the Government of the United States: *Provided further*, That such extension shall in no way abridge or otherwise affect the right of the United States, or of any person, firm, association, company, or corporation, who, before the passage of this act was bona fide in possession of any rights in or under patents or applications for patents conflicting with rights in patents granted or validated by reason of such extensions to exercise such rights by itself or himself personally, or by such agents, or licensees as derived their rights from it or him before the passage of this act, to the extent that they shall not be amenable to any action for infringement of any patent granted or validated by reason of such extension.

A patent shall not be refused on an application coming within the provisions of this section, nor shall a patent granted on such application be held invalid, by reason of the invention having been patented or described in any printed publication or in public use or on sale in the United States more than one year prior to the filing of the application in the United States, unless such patent or publication or such public use or sale was prior to the filing of the foreign application upon which the right of priority is based.

SEC. 2. Whenever, prior to the 8th day of April 1946, an invention, discovery, or a design has been communicated in writing or embodied in any article supplied to the Government of the United States or to any person, firm, or corporation in the United States at the request of said Government, pursuant to and by reason of an agreement or arrangement between the Government of the United States and the government of a foreign country for the supply or mutual exchange of information or articles for use for national defense purposes during the periods of the national emergencies declared by the President of the United States preceding World War II, or for use for war purposes during World War II—

(*a*) A patent based on an application filed by the inventor of the invention, discovery, or design so communicated or supplied shall not be refused or held invalid merely because of the fact that the invention, discovery, or design had been in public use or on sale in the United States, or described in a printed publication, if such public use or sale or publication was in consequence of and attributable to the communication or supply and subsequent to the date of the communication or supply; and

(*b*) For use in any action in a United States court or proceeding in the Patent Office involving a patent for an invention, discovery, or a design, or involving an application for patent for an invention, discovery, or a design so communicated or supplied any court of the United States for any district or Territory thereof, and the Commissioner of Patents shall have the power to call upon any department or agency of the Government of the United States to produce information or papers in its possession relating to the communication or supply or relating to the further communication of the invention, discovery, or design by said department or agency to any person, firm, or corporation in the United States: *Provided, however*, That the head of any department or agency may refuse and omit to comply with any call for information or papers when in his opinion such compliance would jeopardize the national defense.

No benefit under section 2 of this act shall be extended to any person unless (1) an application for patent for the same invention, discovery, or design which was communicated or supplied as aforesaid is filed in the United States Patent Office prior to the expiration of twelve months from the date of this act; and (2) unless sufficient information in writing and under oath as to what was communicated or supplied, the date thereof and to whom made, is furnished to the Commissioner of Patents by the owner of such application while it is pending, or prior to the expiration of twelve months from the date of this act to enable him to judge of the identity of the invention so communicated or supplied with the invention claimed in such application, which information shall be made a part of the record of such application and shall have no evidentiary value as proof of the facts stated therein; and (3) unless the country of which such person is a national extends substantially reciprocal privileges to citizens of the United States.

SEC. 3. That whenever it shall be shown to the satisfaction of the Commissioner of Patents that the time now fixed by law for the payment of any fee, or for the taking of any other action, with respect to an application for patent for an invention, discovery, or design has lapsed because of conditions growing out of World War II, which time had not expired on the 8th day of September 1939, or which commenced after the 8th day of September 1939, such time may be extended by the Commissioner to a date not later than twelve months after the passage of this act, without the payment of extension fees or other penalty, in favor of citizens of the United States and the citizens or subjects of countries which have extended, now extend, or shall extend prior to the expiration of twelve months after the passage of this act substantially reciprocal privileges to citizens of the United States: *Provided*, That no extension herein shall confer such privileges upon the citizens or subjects of a foreign country for a longer term than the term during which such privileges are conferred by such foreign country upon the citizens of the United States, but nothing in this act shall give any right to reopen interference proceedings where final hearing before the Examiner of Interferences or the Board of Interference Examiners has taken place.

SEC. 4. That no patent granted or validated by reason of any extension of time provided for by sections 1 and 3 of this act shall abridge or otherwise affect the right of the United States, or of any person, firm, association, company, or corporation, or agent or agents, or his successor in business, to continue or to resume any manufacture, use, or sale bona fide commenced by it or him in the United States before the passage of this act, or, in the

case of an application claiming the benefits of section 8 hereof, commenced by it or him before the taking of action or the payment of any fee under that section if such action or payment was later than the passage of this act, nor shall the further manufacture, use, or sale by it or him, or its or his agents or successors in business or the use or sale of the devices resulting from such manufacture or use constitute an infringement: *Provided*, That the benefits of this section shall not apply to the manufacture, use, or sale as aforesaid if and to the extent that it is based upon or attributable to a communication of the invention, discovery, or design so manufactured, used, or sold to the United States or to any person, firm, or corporation in the United States at the request of said Government under an agreement or arrangement between the Government of the United States and the government of another country for the supply or mutual exchange of information or articles for use for national defense purposes during the periods of the national emergencies declared by the President of the United States preceding World War II, or for use for war purposes during World War II.

SEC. 5. Notwithstanding the provisions of sections 4885 and 4887 of the Revised Statutes (U. S. C., title 35, secs. 41 and 32, respectively) no patent issued subsequent to July 17, 1945, which was scheduled for issue on that date, or on July 24, July 31, or August 7, 1945, shall be held invalid because of the deferment of the issuance of such patent due to the failure to issue patents on July 17 and July 24, 1945.

SEC. 6. Notwithstanding the provisions of the Act of Congress approved July 1, 1940 (54 Stat. 710; U. S. C., title 35, sec. 42), as amended by the act approved August 21, 1941 (55 Stat. 657; U. S. C., title 35, secs. 42*a*–42*f*), and as further amended by the act of June 16, 1942 (56 Stat. 370), no person shall be debarred from receiving a patent for an invention made in the United States, nor shall any patent issued for such invention be deemed or held invalid under said act, merely because authorization to file an application for patent for such invention in any country foreign to the United States was not first obtained from the Commissioner of Patents: *Provided*, That the Commissioner subsequently authorized the filing of the application in such foreign country.

SEC. 7. That all applications for patents for inventions, discoveries, or designs officially accepted by the Patent Office and given a serial number and date of filing since the 8th day of September 1939, and prior to the passage of this act, which were executed by an agent of the applicant, and in which a duplicate copy of the specification and a new petition and oath, all duly signed and executed by the inventor or his executor or administrator has been or shall have been filed within a period of twelve months from the approval of this act, and the patents granted on such applications, shall have the same force and effect as if the papers signed and executed by the inventor, or his executor or administrator, had been filed on the date on which the papers signed by his agent were deposited in the United States Patent Office.

SEC. 8. That all applications for patents for inventions, discoveries, or designs filed since the 8th day of September 1939, in which the oath was executed before or authenticated by a consular officer, or other representative qualified to administer oaths, of a government acting in the interest of the Government of the United States, shall have the same force and effect as if said oath had been executed by the applicant before a consular officer of the United States.

SEC. 9. That in proceedings in the Patent Office and in the courts of the United States an applicant for a patent for an invention, discovery, or a design, or a patentee, shall not be permitted to establish the date of invention or discovery by reference to knowledge or use thereof, or other activity with respect thereto, in a country foreign to the United States, other than the filing in a foreign country of an application for a patent for the same invention, discovery, or design which, in accordance with the provisions of section 4887 of the Revised Statutes, as amended, or in accordance with and subject to the provisions of this act, is entitled to have the same force and effect as it would have had if filed in the United States on the date on which it was filed in such foreign country: *Provided*, That where an invention was made by a person, civil or military, during the time such person was domiciled in the United States or its possessions and was serving in a foreign country in connection with the prosecution of the war on behalf of the United States or its allies, the inventor thereof shall be entitled, in interference and other proceedings arising in connection with such invention, to the same rights of priority with respect to such invention as if the same had been made in the United States.

SEC. 10. No patent for an invention or a discovery granted under the provisions of section 1 or 3 of this act shall extend for a longer term than twenty years from the filing date of the first application regularly filed in any country disclosing the same invention, and in no event for a period in excess of seventeen years from the date of the grant of such patent.

SEC. 11. No claims for patent infringement shall be made or action brought by or on behalf of or for the benefit of any country or a national of any country against which the United States has declared the existence of a state of war, in respect to any manufacture, use, or sale since September 8, 1939.

SEC. 12. That nothing in this act shall affect any act which has been or shall be done by virtue of the special measures taken during World War II under legislative, executive, or administrative authority of the United States in regard to the rights of any enemy, or ally of an enemy, as defined by the Trading With the Enemy Act of October 6, 1917 (40 Stat. L. 411), as amended, in patents for inventions and designs.

SEC. 13. Section 10 (*a*) of the said Trading With the Enemy Act, relating to the filing and prosecution of applications for patents and the registration of trade-marks, prints, labels, and copyrights, by an enemy, or ally of an enemy, is hereby repealed.

SEC. 14. The benefits of this act shall not extend in favor of inventions, applications, or patents made by or owned by citizens of any country with which the United States shall have been at war since the 8th day of September 1939. The Alien Property Custodian shall be entitled to the benefits of this act.

SEC. 15. Nothing contained in this act shall be effective to nullify any judicial finding upon the validity of any patent for an invention, discovery, or a design heretofore made by a court of competent jurisdiction.

SEC. 16. If any clause, sentence, paragraph, or part of this act shall be adjudged by any court of competent jurisdiction to be invalid, such judgment shall not affect, impair, or invalidate the remainder thereof, but shall be confined in its operations to the clause, sentence, paragraph, or part thereof directly involved in the controversy in which such judgment shall have been rendered.

Approved August 8, 1946.

Order No. 4094

APPLICATIONS EXECUTED AND FILED BY AGENTS

[Supplement to Order 3662, October 13, 1942]

U. S. PATENT OFFICE, *Washington 25, D. C., Sept. 9, 1946.*

1. *Legislation enacted.* Section 7 of Public Law 690, approved August 8, 1946, provides for the validation under certain conditions of agent executed applications accepted by the Patent Office under Order 3662. The section reads as follows:

"All applications for patents for inventions, discoveries, or designs officially accepted by the Patent Office and given a serial number and date of filing since the 8th day of September 1939, and prior to the passage of this act, which were executed by an agent of the applicant, and in which a duplicate copy of the specification and a new petition and oath, all duly signed and executed by the inventor or his executor or administrator has been or shall have been filed within a period of twelve months from the approval of this act, and the patents granted on such applications, shall have the same force and effect as if the papers signed and executed by the inventor, or his executor or administrator, had been filed on the date on which the papers signed by his agent were deposited in the United States Patent Office."

2. *Partial expiration of Order 3662.* Under the terms of the act only applications accepted by the Patent Office prior to August 8, 1946, can be validated. Hence agent executed applications filed on and after August 8, 1946, cannot be accepted. The first two paragraphs of Order 3662 are no longer in force insofar as acceptance of new agent executed applications is concerned.

3. *Inventions of citizens of enemy countries.* Section 14 of the act excludes inventions or applications made by or owned by citizens of enemy countries from any of the benefits of the act. Consequently, agent executed applications in which the inventor is a citizen of an enemy country cannot be validated, but this prohibition does not apply to applications vested by the Alien Property Custodian. All pending agent executed applications which cannot be validated (that is, applications in which the inventors are citizens of enemy countries and which have not been vested by the Alien Property Custodian) should be taken up immediately and a notice of abandonment mailed (see also paragraph 7 of this order). The application is then to be sent to the abandoned files the next time abandoned files are pulled. If the application is up for action by the Examiner, action on the merits should not be given.

4. *Suspended applications.* All agent executed applications which were otherwise in condition for allowance and in which action by the Office was suspended in accordance with the fourth paragraph of Order 3662 should be taken up and the following disposition made:

(*a*) If the application cannot be validated, it is to be treated as in paragraph 3 of this order.

(*b*) If properly signed and executed papers have been filed, a notice is to be written indicating that the applicant is entitled to the first filing date, and the case passed to issue or other appropriate action taken. Filing of the duplicate copy of the specification with the new petition and oath will constitute the ratification specified in the last paragraph of Order 3662.

(*c*) If papers have been filed but are defective, a notice should be written calling attention to the defects or omissions. The application remains suspended and if the papers are completed in time, it will be treated as in (*b*).

(*d*) In other cases, where the papers have not been filed, a letter is to be written calling attention to the act and to the last paragraph of Order 3662. The application remains suspended and if the papers are filed in time, it will be treated as in (*b*) or (*c*).

5. *Other pending applications.* Other pending agent executed applications which are not covered by paragraphs 3 and 4 of this order should have a notice written in them advising the applicant of the status of the application as in subparagraphs (*b*), (*c*) or (*d*) of paragraph 4. If the application is due for action by the Examiner within approximately the next two months, the notice is to be incorporated in the action when it is made. If the application will not be reached for action that soon, a notice should be sent as soon as possible, concluding with the statement that the application will be taken up for action in due course. If the application is not up for action by the Examiner, the notice should be sent immediately after the response by applicant is received. The notice is not necessarily an action in the case. No positive requirement for the papers or for correction or completion should be made. If the application is otherwise ready for allowance, the notice should so state and further action by the Office suspended as heretofore.

6. *Final roundup.* Properly signed and executed papers cannot be filed after August 8, 1947, to validate an agent executed application. A reasonable time after this date, and thereafter, all suspended applications and those up for action in which the proper papers have not been filed, or have not been filed in time, should be taken up by the Examiner and a notice of abandonment sent.

7. *Reference to Supervisors.* All applications in which a notice, or an action embodying a notice, as required by paragraphs 3, 4, 5, and 6 is being sent should be forwarded to the Supervisory Examiners, with the notice or action, before the letter is mailed. The Supervisory Examiners, in addition to reviewing the letters, will keep an index of all agent executed applications, and will forward the file to the Application Division for entry on its records and endorsement of the front of the file whenever necessary.

CASPER W. OOMS.
Commissioner.

Notice

EXTENSION OF PERIOD OF PRIORITY

PRELIMINARY NOTICE

U. S. PATENT OFFICE, *Washington 25, D. C., Aug. 30, 1946.*

1. Applicants for United States patents, or patentees, seeking an extension of the period of priority under section 1 of Public Law 690, approved August 8, 1946, are required by the act to make a specific request in writing, and to supply a certified copy of the foreign application, a sworn translation of the same if it is not in the English language, and, when necessary, proof of identity of parties.

2. Until and unless the required material is furnished, Examiners will act on applications in the usual way, that is, they will cite and use whatever references and grounds of rejection may be applicable, considering the actual filing date of the application in the United States as the only date to which it is entitled. However, where the statutory bar based on the granting of a foreign patent on an application filed more than one year prior to the filing of the application in the United States is applicable, the Examiner should, as far as possible, also apply other pertinent references and grounds so that in the event the statutory bar is subsequently removed by recourse to the act, prosecution of the application will have been advanced. Applicants must reply to Office actions within the stautory time limit and make as complete replies as are required in any other case.

3. When an application is filed with the object of obtaining the extended period of priority, the allegations in the oath with respect to patenting, publication and public use more than one year prior to the application may be modified in accordance with the last paragraph of section 1 of the act, but the customary oath will be required if the extended date is eventually refused. The customary allegation with respect to no prior foreign patenting on an application filed more than one year prior to the application in this country should, of course, be modified to correctly state the facts whenever necessary. Such applications may be filed any time before August 8, 1947, and need not be accompanied by the papers mentioned in the first paragraph hereof.

4. Persons filing the material required by section 1 and requesting the extended period of priority are not then required to prove that reciprocity exists with their particular country. The Patent Office will determine this fact in the first instance and will act accordingly. When reciprocity has been determined in connection with any country a notice will be published in the OFFICIAL GAZETTE.

5. When the required papers are filed and the extended period of priority requested in any case, the Examiner will refer the application immediately to the Supervisory Examiners for instructions as to whether reciprocity exists with respect to the particular country involved and will act accordingly. The existence of reciprocity will be determined by the Commissioner. The Examiners may be instructed to proceed with the examination of the application as to other matters pending this determination.

6. It will also be necessary for the Patent Office to determine in each case that the foreign application is "an application for patent for the same invention" as applied for in the United States (R. S. 4887). This determination will be made in the first instance by the Examiner. Attention is called to the fact that a similar and analogous requirement as to "the same invention" is in the reissue statute, R. S. 4916; mere readability of claims on the earlier case is not always sufficient to constitute "the same invention," and reissue decisions may be considered applicable in determining this question.

7. Any action taken by the Examiner granting or refusing the extended priority date should be referred to the Supervisory Examiners for review before the action is mailed.

8. Requests for extensions of time under section 3 of the act should be accompanied by the appropriate action and by a showing of the cause of the delay. These will be treated procedurally in the same manner as petitions to revive or petitions for delayed payment of a final fee, but a petition fee is not required. An applicant may apply for extensions under both section 1 and section 3 of the act.

9. No application coming under either section 1 or section 3 of the act shall be passed to issue without being first referred to the Supervisory Examiner.

10. Questions arising under the act shall be referred to the Supervisory Examiner.

CASPER W. OOMS.
Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The Linde Air Products Company has entered the following patents on the Register of Patents, as available for licensing only, on terms set forth in their license agreements. Copies of agreements may be obtained from The Linde Air Products Company, 30 East 42d Street, New York 17, N. Y. Reg. Nos. 3,860 to 3,914 inclusive.

Reg. Nos. 3,860 to 3,873 inclusive relate to what the owners term "Unionmelt" welding process. The welding operation takes place under a blanket of welding composition of granular or powdered material in which the end of a bare welding electrode is continuously submerged. This welding composition is non-conductive when cold but conductive when molten. The inventor states that the weld is ordinarily completed in one pass, even in thick plates, and that there is scarcely any external evidence that a weld is being made. In some instances by using the welding composition as a backing for the seam, a double bead may be obtained on the front and back of the seam without the necessity of backing up the weld. Groups 35—43; 36—19.

Pat. 2,043,960. ELECTRIC WELDING. Patented June 9, 1936. Reg. No. 3,860.

Pat. 2,145,009. WELDING. Patented Jan. 24, 1939. Reg. No. 3,861.

Pat. 2,152,194. ELECTRIC WELDING. Patented Mar. 28. 1939. Reg. No. 3,862.

Pat. 2,200,737. ELECTRIC WELDING. Patented May 14, 1940. Reg. No. 3,863.

Pat. 2,269,538. ELECTRIC WELDING. Patented Jan. 13, 1942. Reg. No. 3,864.

Pat. 2,275,910. METHOD OF WELDING. Patented Mar. 10, 1942. Reg. No. 3,865.

Pat. 2,278,569. WELDING. Patented Apr. 7, 1942. Reg. No. 3,866.

Pat. 2,280,150. HEATING OF METALS. Patented Apr. 21, 1942. Reg. No. 3,867.

Pat. 2,293,163. WELDING. Patented Aug. 18, 1942. Reg. No. 3,868.

Pat. 2,294,439. METHOD OF AND APPARATUS FOR WELDING. Patented Sept. 1, 1942. Reg. No. 3,869.

Pat. 2,308,194. ELECTRIC WELDING. Patented Jan. 12, 1943. Reg. No. 3,870.

Pat. 2,326,865. ELECTRIC WELDING. Patented Aug. 17, 1943. Reg. No. 3,871.

Pat. 2,330,289. METHOD OF BUILDING UP SURFACES. Patented Sept. 28, 1943. Reg. No. 3,872.

Pat. 2,331,937. WELDING. Patented Oct. 19, 1943. Reg. No. 3,873.

Reg. Nos. 3,874 to 3,877 inclusive are offered for licensing on reasonable terms. They relate to method and apparatus for removing carbon and other combustible deposits from tubes of oil refining apparatus by burning in the presence of oxygen.

Pat. 1,901,803. METHOD OF DECARBONIZING OIL REFINING APPARATUS. Patented Mar. 14, 1933. Group 35—42—69. Reg. No. 3,874.

Pat. 1,901,804. PROCESS FOR REMOVING CARBON FROM TUBES. Patented Mar. 14, 1933. Group 35—42—69. Reg. No. 3,875.

Pat. 1,987,972. DECOKING LANCE. Patented Jan. 15, 1935. Group 35—42—69. Reg. No. 3,876.

Pat. 2,012,832. DECOKING LANCE. Patented Aug. 27, 1935. Group 35—42—69. Reg. No. 3,877.

Reg. Nos. 3,878 to 3,899 inclusive relate to what is termed by the owners as "Flame Hardening" and pertain to the treatment and hardening of a wide variety of metal bodies in which an oxyacetylene flame is employed.

Re. 21,897. PROCESS OF HEAT TREATING AND TORCH THEREFOR. Reissued Sept. 2, 1941. (Original No. 2,065,627, dated Dec. 29, 1936). Groups 35—42—43; 36—19. Reg. No. 3,878.

Pat. 1,768,159. APPARATUS FOR HARDENING METAL SURFACES. Patented June 24, 1930. Groups 35—42—43; 36—19. Reg. No. 3,879.

Pat. 1,768,160. MACHINE FOR HARDENING IRREGULAR METAL SURFACES. Patented June 24, 1930. Groups 35—42—43; 36—19. Reg. No. 3,880.

Pat. 1,924,296. HEAT TREATMENT OF CRANK SHAFTS. Patented Aug. 29, 1933. Groups 35—42—43; 36—19. Reg. No. 3,881.

Pat. 2,076,515. METHOD OF HEAT TREATING PLANE AND UNIDIMENSIONAL CURVED METALLIC SURFACES. Patented Apr. 6, 1937. Groups 35—42—43; 36—19. Reg. No. 3,882.

Pat. 2,089,014. METHOD AND APPARATUS FOR WELDING AND CUTTING. Patented Aug. 3, 1937. Groups 35—42—43; 36—19. Reg. No. 3,883.

Pat. 2,089,015. CONTROL SYSTEM FOR WELDING AND CUTTING MACHINES. Patented Aug. 3, 1937. Groups 35—42—43; 36—19. Reg. No. 3,884.

Pat. 2,092,897. BLOWPIPE NOZZLE. Patented Sept. 14, 1937. Groups 35—42—43; 36—19. Reg. No. 3,885.

Pat. 2,124,459. METHOD OF HEAT TREATING METALS. Patented July 19, 1938. Groups 35—42—43; 36—19. Reg. No. 3,886.

Pat. 2,170,876. MACHINE FOR SURFACE HARDENING METAL ARTICLES. Patented Aug. 29, 1939. Group 35—42—43. Reg. No. 3,886½.

Pat. 2,177,276. HEATING, WELDING, DESURFACING, OR CUTTING PROCESS AND APPARATUS. Patented Oct. 24, 1939. Groups 35—42—43; 36—19. Reg. No. 3,887.

Pat. 2,196,902. METHOD OF HEAT TREATING METAL BODIES. Patented Apr. 9, 1940. Groups 35—42—43; 36—19. Reg. No. 3,888.

Pat. 2,215,576. CONTROL SYSTEM FOR HARDENING AND SIMILAR OPERATIONS. Patented Sept. 24, 1940. Groups 35—42—43; 36—19. Reg. No. 3,889.

Pat. 2,232,809. MACHINE FOR SURFACE HARDENING METAL ARTICLES. Patented Feb. 25, 1941. Groups 35—42—43; 36—19. Reg. No. 3,890.

Pat. 2,254,700. HEAT TREATING APPARATUS. Patented Sept. 2, 1941. Groups 35—42—43; 36—19. Reg. No. 3,891.

Pat. 2,254,701. HEAT TREATING APPARATUS. Patented Sept. 2, 1941. Groups 35—42—43; 36—19. Reg. No. 3,892.

Pat. 2,261,624. HEAT TREATING APPARATUS. Patented Nov. 4, 1941. Groups 35—42—43; 36—19. Reg. No. 3,893.

Pat. 2,273,809. METHOD OF AND APPARATUS FOR HARDENING SURFACES OF METAL BODIES. Patented Feb. 17, 1942. Groups 35—42—43; 36—19. Reg. No. 3,894.

Pat. 2,274,005. METHOD OF AND APPARATUS FOR SURFACE HARDENING METAL ARTICLES. Patented Feb. 24, 1942. Groups 35—42—43; 36—19. Reg. No. 3,895.

Pat. 2,290,283. APPARATUS FOR HEAT TREATING METAL BODIES. Patented July 21, 1942. Groups 35—42—43; 36—19. Reg. No. 3,896.

Pat. 2,293,802. HEAT TREATING APPARATUS. Patented Aug. 25, 1942. Groups 35—42—43; 36—19. Reg. No. 3,897.

Pat. 2,295,522. BLOWPIPE HEAD. Patented Sept. 8, 1942. Groups 35—42—43; 36—19 . Reg. No. 3,898.

Pat. 2,297,293. FLAME HARDENING APPARATUS. Patented Sept. 29, 1942. Groups 35—42—43; 36—19. Reg. No. 3,899.

Reg. Nos. 3,900 and 3,901 relate to what the owners term "Powder Scarfing and/or "Powder Cutting" processes in which defective or excess metal is removed from metal bodies such as billets, blooms, slabs, etc., by the use of an oxyacetylene torch. The method includes depositing of a molten globule of metal at the starting point to reduce the starting time of the cutting operation.

The terms and conditions under which the owners will grant licenses are contained in their standard license agreement.

Pat. 1,957,351. METHOD OF REMOVING METAL FROM METAL ARTICLES. Patented May 1, 1934. Group 35—42—43. Reg. No. 3,900.

Pat. 2,205,890. METHOD OF CUTTING OR FLAME-MACHINING METAL. Patented June 25, 1940. Group 35—42—43. Reg. No. 3,901.

Reg. Nos. 3,902 to 3,908 inclusive relate to what the owner terms "Pressure Welding Process." They cover processes, machines and apparatus for butt welding rails or hollow cylindrical members, the heating being preferably done with oxyacetylene flame. The terms and conditions under which the owners will grant licenses are contained in their standard license agreement.

Pat. 1,856,560. TORCH HEAD. Patented May 3, 1932. Groups 35—42—43; 36—19. Reg. No. 3,902.

Pat. 2,047,305. WELDING MACHINE. Patented July 14, 1936. Groups 35—42—43; 36—19. Reg. No. 3,903.

Pat. 2,047,306. BUTT WELDING. Patented July 14, 1936. Groups 35—42—43; 36—19. Reg. No. 3,904.

Pat. 2,231,014. WELDING PROCESS AND APPARATUS. Patented Feb. 11, 1941. Groups 35—42—43; 36—19. Reg. No. 3,905.

Pat. 2,354,267. METHOD OF WELDING. Patented July 25, 1944. Groups 35—42—43; 36—19. Reg. No. 3,906.

Pat. 2,356,854. METHOD FOR TREATING WELDS. Patented Aug. 29, 1944. Groups 35—42—43; 36—19. Reg. No. 3,907.

Pat. 2,363,089. WELDING PROCESS AND APPARATUS. Patented Nov. 21, 1944. Groups 35—42—43; 36—19. Reg. No. 3,908.

Pat. 1,751,435. NECK RING FOR COMPRESSED-GAS CONTAINERS. Patented Mar. 18, 1930. Cap for protecting the valve of compressed gas containers, also serves as a means for handling or lifting the container. Group 33—73. Reg. No. 3,909.

Pat. 1,798,190. METHOD OF BUILDING WELDED TANKS AND OTHER MULTIPLATE STRUCTURES. Patented Mar. 31, 1931. Welding is accomplished without excessive buckling or other troublesome distortion of the plates. Groups 35—43; 36—19. Reg. No. 3,910.

Pat. 1,940,262. WELDING FLUX FOR NONFERROUS ALLOYS. Patented Dec. 19, 1933. Flux is particularly suitable for welding copper alloys which contain silicon. Groups 28—89; 34—31; 35—43. Reg. No. 3,911.

Pat. 1,961,117. METHOD OF WELDING COPPER ALLOYS, PARTICULARLY WROUGHT COPPER ALLOYS. Patented May 29, 1934. Method, particularly applicable for fabrication of containers for liquefied gases, in which welding of the thick-walled outer vessel may be accomplished in close proximity to a thin-walled inner vessel or lining without damaging the inner vessel. Groups 34—31; 35—43; 36—19. Reg. No. 3,912.

Pat. 2,087,678. REPRODUCING MACHINE. Patented July 20, 1937. Machine is adapted for simultaneously performing a plurality of cutting and shaping operations progressively along a line of travel. Group 35—41—43. Reg. No. 3,913.

Pat. 2,130,261. APPARATUS FOR WELDING. Patented Sept. 13, 1938. The puddle of molten metal is protected from exposure to air to produce a ductile or normalized weld, by directing upon the extended puddle in rear of the welding point a gas flame, of lower heat intensity than applied to the weld. Groups 35—43; 36—19. Reg. No. 3,914.

The following patents cover inking mechanisms with ink reservoirs for attachment to typewriting, adding, or similar machines, for continuously applying ink to the ribbon while machine is in use. The following are among numerous features of the inventions. The inking medium may be a secondary ribbon interwound with the usual ribbon around the same spools, or on separate spools; an endless belt, a disc, or a combination of rollers and discs. Ink may be supplied to the inking medium by a pad; a wick submerged in a reservoir; or flow under pressure or by gravity from a reservoir. The ink may be applied in a narrow thin line to different parts of the ribbon, thus permitting the re-inking of multi-colored ribbons. Patent No. 2,322,737 shows the mechanisms replacing part of a conventional typewriter with the inking medium and reservoir approximately where the ribbon and spools usually are. The ribbon and spools are vertically positioned on the face of the typewriter above the keyboard with driving gears associated with the spools for facilitating ease of operation. The inventor states that by using his mechanism, ribbons 80 to 90 yards long, which are initially lightly inked, may be used and continuously re-inked so that uniform typewritten matter of neat, clean, and attractive appearance will result throughout the life of the ribbon, which may be as long as three years. He also states that the mechanism does not burden normal operation of machine. (Owner) George E. Pelton. Address correspondence to W. R. Taylor, 166 East Ave., Hampton, Va. Group 35—71—72.

Pat. 1,826,568. SUPPLYING INK TO INKING RIBBONS. Patented Oct. 6, 1931. Reg. No. 3,915.

Pat. 2,005,503. SUPPLYING INK TO INK TRANSFER MEMBERS. Patented June 18, 1935. Reg. No. 3,916.

Pat. 2,074,969. SUPPLYING INK TO INK TRANSFER MEMBERS. Patented Mar. 23, 1937. Reg. No. 3,917.

Pat. 2,074,970. SUPPLYING INK TO INK TRANSFER MEMBERS. Patented Mar. 23, 1937. Reg. No. 3,918.

Pat. 2,074,971. INK CONVEYER RIBBON. Patented Mar. 23, 1937. Reg. No. 3,919.

Pat. 2,102,216. SUPPLYING INK TO INK TRANSFER MEMBERS. Patented Dec. 14, 1937. Reg. No. 3,920.

Pat. 2,104,469. SUPPLYING INK TO INK TRANSFER MEMBERS. Patented Jan. 4, 1938. Reg. No. 3,921.

Pat. 2,158,944. INK FOUNTAIN TYPING MACHINE. Patented May 16, 1939. Reg. No. 3,922.

Pat. 2,226,347. INK FOUNTAIN TYPING MACHINE. Patented Dec. 24, 1940. Reg. No. 3,923.

Pat. 2,322,737. INK FOUNTAIN TYPING MACHINE. Patented June 22, 1943. Reg. No. 3,924.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING AUGUST, 1946

EX PARTE DIXIE MEDICINE CORPORATION, Serial No. 481,616.

In a decision rendered August 1, 1946 (169 Ms. Dec. 104, 70 USPQ 366), *First Assistant Commissioner* Frazer reversed the action of the Examiner of Trade-Marks refusing to register to the Dixie Medicine Corporation, of Charlotte, N. C., a composite trade-mark comprising a geometrical design against which are displayed the letters "DMC", appropriated to a compound for the relief of muscular aches and pains and for a vitamin preparation on the ground that the mark is dominated by matter descriptive of the vitamin preparation.

After noting that information has been elicited that all the letters of the alphabet, except O, Q, and V, are now appropriated as vitamin designations, and that the particular letters "DMC" here involved are listed as being so appropriated; and further noting that applicant has agreed to disclaim the letters "D" and "C", it was held that upon the record presented, it appears that the public would have no occasion to attribute vitamin significance to the letter "M", even when standing alone and that a disclaimer of the letters "D" and "C" will be required before the mark is published for opposition.

After noting that applicant owns a registration issued June 2, 1925, and still subsisting when the instant application was filed of the letters "DMC" arranged in monogram style for a long list of medicinal preparations, it was held that it follows that applicant is entitled to the benefit of any reasonable doubt as to the registrability of the same or a closely similar mark upon a subsequent application to register, and that there appears to be sufficient doubt to warrant the proposed registration.

SILENT HOIST WINCH & CRANE CO. *v.* WILLAMETTE HYSTER COMPANY, Cancellation No. 4317.

In a decision rendered August 2, 1946 (169 Ms. Dec. 105, 70 USPQ 423), *First Assistant Commissioner Frazer* denied the request of Silent Hoist Winch & Crane Co., of Brooklyn, N. Y., for reconsideration of the decision of June 6, 1946 (588 O. G. 681, 69 USPQ 469) or, in the alternative, that the case be reopened for the taking of further testimony showing confusion between the trade-marks "Krane Kar" and "Karry Krane" since the testimony was taken in this case.

It was held that the grounds upon which reconsideration is sought were all carefully considered in reaching the decision and the arguments now advanced are not convincing that the decision was erroneous.

It was held that petitioner's rights in its "Krane Kar" mark have not been questioned nor was there any adjudication of respondent's right to use the "Karry Krane" mark, registration of which does not affect that right, and that all that was decided was that petitioner is not damaged by respondent's registration.

It was further held that the request to reopen might well be disposed of on the ground that there is no adequate showing to warrant such extraordinary relief, since to grant new trials seriatim as additional evidence develops would lead to perpetuity in litigation and petitioner's request contemplates a first step in that direction although, even were that step taken, it would not strengthen petitioner's case because the further testimony proposed to be adduced is nothing more than cumulative documentary evidence of precisely the same character as that which was held did not establish trade-mark confusion.

TINNERMAN PRODUCTS, INC., *v.* SPEED PRODUCTS COMPANY, Opposition No. 22,844.

In a decision rendered August 7, 1946 (169 Ms. Dec. 106, 70 USPQ 423), *First Assistant Commissioner Frazer* denied a petition for reconsideration of his decision rendered July 1, 1946 (589 O. G. 501, 70 USPQ 39), affirming the action of the Examiner of Interferences sustaining the opposition of Tinnerman Products, Inc., of Cleveland, Ohio, to the application of Speed Products Company, of Long Island City, N. Y., for registration of the word "Speed," and a design as a trade-mark for machine staples.

After noting that applicant petitions for rehearing on the rather broad ground that the decision is against the weight of the evidence and is not correct, in response to applicant's argument that use by its alleged predecessor of the registered mark "Speed Fastener," on stapling machines, constituted use of that mark on staples because staples always are sold with the machines, it was held that there is no evidence that the mark was ever affixed to staples within the meaning of the Trade-Mark Act and there was thus no trade-mark use in relation to such goods.

BROOKS CLOTHES *v.* BROOKS BROTHERS, Cancellation No. 4705.

In a decision rendered August 7, 1946 (169 Ms. Dec. 107, 70 USPQ 424), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of

Interferences denying the motion of Brooks Brothers, of New York, N. Y., to dismiss the petition of Brooks Clothes, of Baltimore, Md., to cancel trade-mark registration No. 103,889, issued April 20, 1915, and renewed, under the ten-year proviso of section 5 of the act of February 20, 1905, the registered mark being the notation "Brooks Brothers," which is appropriated to boys' and men's clothing—namely, hats, caps, gloves, hosiery; underwear of knit and textile material—namely, shirts, drawers and union suits, collars, mufflers, outer and negligee shirts, night shirts, pajamas; leather shoes and outer clothing—namely, overcoats, raincoats, coats, vests, and trousers.

After noting that the petition to cancel is predicated upon the proposition that the registrant did not enjoy exclusive use of the mark during the ten years next preceding February 20, 1905, as required by the statute and further noting that the ground of the motion is that the petition fails to allege use by petitioner of a similar mark prior to January, 1934, it was held that one opposing a registration under the ten-year proviso need only prove that strangers to the proceeding had used the mark sought to be registered during the critical period and that the applicant's use was therefore nonexclusive.

It was further held that the statute does not differentiate between mere names on the one hand and descriptive or geographical terms on the other hand, but forbids registration of all, save under the ten-year proviso, in precisely the same language.

It was held that manifestly one who is qualified to oppose a registration may seek its cancellation; in either case, he must prove damage, actual or prospective; whether or not that can be done in the instant case remains to be seen; and the denial of the motion to dismiss means nothing more than that the petition to cancel states a claim upon which relief can be granted.

EX PARTE ALPHONSE L. LUSSIER, Serial No. 473,995.

In a decision rendered August 9, 1946 (169 Ms. Dec. 109, — USPQ —), *First Assistant Commissioner Frazer* affirmed the ruling of the Examiner of Trade-Marks that the showing submitted by applicant, Alphonse L. Lussier, of Schenectady, N. Y., was insufficient to warrant the withdrawal of a reference on the ground of prima-facie abandonment. Applicant relied upon a title report from the Assignment Division of the Patent Office, from which it appears that the registrant is still the record owner of the cited registration, and a registered letter directed to the registrant and returned unclaimed by the post office.

After noting that applicant declined to supplement this showing by a report from a mercantile agency as required by the Examiner, insisting that the returned letter is prima-facie evidence of the strongest and most conclusive kind, it was held that the letter should not be accepted for any purpose, because the envelope does not bear the street address of the registrant as set forth in the registration; but in any event, it would prove nothing more than that the registrant is no longer doing business at that particular address.

It was further held that while registrant's present location may or may not be ascertainable by a reliable mercantile agency, nevertheless the report of such an agency would serve prima facie to establish present use or nonuse of his trade-mark; and there is no other convenient means of procuring that essential information; so that the Examiner's ruling was clearly right.

A. D. JUILLIARD & CO., INC., *v.* KLUGER, A LIMITED PARTNERSHIP, Opposition No. 23,211.

In a decision rendered August 9, 1946 (169 Ms. Dec. 110, 70 USPQ 425), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of A. D. Juilliard & Co., Inc., of New York, N. Y., to the application of Kluger, a Limited Partnership, also of New York, N. Y., for registration of the notation "Great Masters" as a trade-mark for rayon piece goods. Opposer relied upon its ownership of the trade-mark "Master Fabrics," which was registered nearly thirteen years prior to applicant's claimed date of first use, for woolen and worsted fabrics for coats and dresses for women's wear, the descriptive word "Fabrics" being disclaimed in the registration.

It was held that since the Examiner's conclusion that the goods of the parties are of the same descriptive properties is not challenged, the sole question for determination is whether the two marks, as applied to such goods, are confusingly similar.

In response to applicant's argument ascribing a distinctive meaning to the mark as related to the character of rayon print materials, because of its alleged genesis, it was held that the intended special significance of applicant's mark might well be unknown to many prospective purchasers, even as applied to these particular prints; and manifestly it would lack such significance if used upon conventional rayon fabrics, which of course fall within the broad description of goods as set forth in the application; so that the Examiner was right in ruling that the term "Master," in singular or plural form, would normally possess substantially the same meaning as applied to the respective goods; and that the marks of both parties are so dominated by this term as to be likely to cause confusion in trade and deception of purchasers.

EX PARTE AMERICAN TAR COMPANY, Serial No. 451,997.

In a decision rendered August 13, 1946 (169 Ms. Dec. 112, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-marks rejecting, on the ground of res adjudicata, the application of American Tar Com-

pany, of Spokane, Wash., to register a trade-mark where the application as originally filed was for copper oleate, coperlineum, specification creosote, commercial creosote oil, light creosote oil, benzol, toluol and solvent naphtha, but after an opposition to the application was sustained by the Examiner of Interferences, and on appeal by the Assistant Commissioner, applicant then amended its description of goods to cover copper oleate in paste or solution form, specification creosote, commercial creosote oil, and light creosote oil. In the opposition proceeding the opposer relied upon two registrations of marks for various petroleum oils and greases, that were held to be confusingly similar to applicant's mark. It also proved the use of these marks in connection with gasoline, which was held to be of the same descriptive properties as applicant's benzol, toluol and solvent naphtha.

It was held that the goods now remaining in the application do not have the same descriptive properties as any of the goods on which use of the opposer's marks was established, and the Examiner's ruling to the contrary was disapproved.

However, it was held that the proposed registration was properly refused on the ground of res adjudicata, since opposer had the right to assume that the opposition would be sustained or dismissed against the application as a whole; it would be an undue hardship and burden on an opposer to be obliged to make out a case with respect to each and every designation of goods named in the application opposed in order to successfully prevent the issuance of a registration on that application as to one or more of the goods named therein and to avoid successive opposition proceedings against the one application; if applicant disagreed with the Assistant Commissioner it was at liberty to appeal from his decision; and having failed to do so, it is estopped to relitigate the questions decided.

EX PARTE LASKIN BROTHERS, INC., Serial No. 445,060.

In a decision rendered August 14, 1946 (169 Ms. Dec. 117, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Laskin Brothers, Inc., of Philadelphia, Pa., the word "Nylonettes," under the provisions of the act of February 20, 1905, as a trade-mark for women's, misses', and girls' panties, slips, nightdresses, pajamas, combinations which are garments comprising a brassiere portion, an abdominal portion and a pantie portion, and petticoats, all made of nylon, on the ground that the mark is descriptive of the goods.

GENERAL MOTORS CORPORATION *v.* THE B. A. WESCHE ELECTRIC COMPANY, Opposition No. 23,307.

In a decision rendered August 14, 1946 (169 Ms. Dec. 114, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of General Motors Corporation, of Detroit, Mich., to the application of The B. A. Wesche Electric Company, of Cincinnati, Ohio, for registration of the word "Welco" as a trade-mark for electric motors of all kinds and thrusters—i. e., units comprising an electric motor having mechanical means associated therewith for applying movement. Opposer owns the well-known trade-mark "Delco," which has been registered for numerous articles of electrical equipment; but none of its registrations antedates applicant's first use of the "Welco" mark on motors.

It was held that it is clearly established by the evidence that prior to applicant's adoption of this mark opposer had been manufacturing and selling starting, lighting and ignition systems to automobile companies, and the word "Delco" was the trade-mark for these systems; and that opposer's starting system necessarily includes an electric motor as one of its essential parts.

After noting that applicant does not question the close similarity of the marks, but argues that there is no likelihood of confusion in their use, it was held that nevertheless applicant's goods are described as electric motors of all kinds, which description obviously embraces automobile engines; applicant's definition of "thrusters" aptly describes opposer's starting system; and even if the motor of the starting system be ignored, an automobile motor and its starter are so closely related as to be merchandise of the same descriptive properties.

In response to applicant's argument that opposer is estopped by laches to maintain this proceeding because applicant has used the trade-mark in the sale of its motors since June, 1918, without protest from the opposer, it was held that while it may well be that the opposer has lost the right to prevent applicant's use of its mark, the doctrine of laches is inapplicable to opposer's statutory right of opposition; manifestly the application to register could not be opposed until filed, nor could opposer be damaged by the proposed registration unless it issued; and applicant's right to use the mark is not here in question, since all that is decided is that applicant's ownership is not exclusive, and that opposer would be damaged were the registration granted, which constitutes a prima-facie evidence of ownership.

EX PARTE CARBONELL Y COMPANIA DE CORDOBA, S. A., Serial No. 458,388.

In a decision rendered August 15, 1946 (169 Ms. Dec. 115, — USPQ —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences refusing to register to Carbonell y Compania de Cordoba, S. A., of Cordoba, Spain, a composite trade-mark on the ground that it comprises scandalous matter and includes a surname not distinctively displayed. The mark is appropriated to olive oil on which it is claimed to have been used since 1867. It was registered in Spain in 1906 which registration has been renewed. It was also registered in the United States in 1922 but that registration was inadvertently allowed to lapse. Its objectionable features, in the Examiner's opinion, were the representation of a bearded patriarchal figure floating in the air with hands extended and the Spanish words "La Providencia" so that, in the Examiner's opinion, the mark thus purports to be the name and picture of the Deity.

After noting that applicant has now agreed to disclaim the name, it was held that that ground of rejection need not be considered.

After noting that consultation with the Patent Office linguists reveals that the term "La Providencia" has no religious significance since the Spanish equivalent of our reference to the Supreme Being is "La Divina Providencia" which requires the second word to convey that meaning, it was held that viewed as a whole the mark is not scandalous within the meaning of the statute; and upon the filing of an appropriate disclaimer of applicant's name, should be passed for publication.

CHICAGO FLEXIBLE SHAFT COMPANY *v.* AMERICAN GAS MACHINE COMPANY, Cancellation No. 4362.

In a decision rendered August 19, 1946 (169 Ms. Dec. 117, — USPQ —) *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the petition of Chicago Flexible Shaft Company, of Chicago, Ill., to cancel trade-mark registration No. 341,639, issued December 15, 1936, under the provisions of the act of February 20, 1905, to American Gas Machine Company, of Albert Lea, Minn. The mark of the registration sought to be canceled is the notation "Sunflame," and the goods to which it is appropriated are described as oil burning heaters. Petitioner owns the trade-mark "Sunbeam," separately registered in 1929 and 1934, respectively, for portable electric radiant heaters for general use and electrically operated devices consisting of room and space heaters.

After noting that respondent appears to concede that the goods of the parties possess the same descriptive properties, but argues that because they are specifically different, and the marks are not identical, its registration should not be disturbed, it was held that the only distinction between respondent's oil burning heaters and petitioner's electrically operated room and space heaters resides in the fact that one is operated by oil and the other by electricity, and for trade-mark purposes that is a distinction without a difference; and that the marks of the parties are confusingly similar as applied to merchandise of the same descriptive properties.

After noting that petitioner took no testimony, so that there is no evidence of actual confusion, and presumably none has occurred, in response to respondent's contention that petitioner has failed to prove itself injured by the registration sought to be canceled, it was held that all that petitioner was required to show was that the marks are confusingly similar and therefore their concurrent use is likely to deceive purchasers.

EX PARTE THE RAY EWING COMPANY, Serial No. 478,707.

In a decision rendered August 20, 1946 (169 Ms. Dec. 120, — USPQ —) *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to The Ray Ewing Company, of South Pasadena, Calif., the notation "Vita-Mino-Mix," under the act of February 20, 1905, as a trade-mark for vitamin and amino acid supplement for poultry and animal feeds on the ground that the mark is descriptive of the goods, the word "Mix" being disclaimed.

After noting that it was the Examiner's opinion that the syllable "Min" is but a part of the word "Vitamin" in the expression, and that the word "Vita" as applied to a vitamin product has no trade-mark force it was held that the Examiner was unwarrented in holding that no one has any right in a composite mark to the combination of "Vita" with other matter, but that the Examiner was correct in finding applicant's mark to be descriptive, since its undisclaimed portion, "Vita-Mino," is nothing more than the word "vitamin" with the interposition of a hyphen and the addition of an "o"; without the "o" it would be clearly nonregistrable, and the addition of this letter is not significant.

EX PARE THE MARLIN FIREARMS COMPANY, Serial No. 461,378.

In a decision rendered August 20, 1946 (169 Ms. Dec. 121, — USPQ —) *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to The Marlin Firearms Company, of New Haven, Conn., the word "Marlin," claimed to have been used since on or about the 27th day of May, 1943, as a trade-mark for talcum powder, after-shave lotion, and deodorants.

After noting that the application was filed under a proviso of section 5 of the act of February 20, 1905, and that it was rejected in view of a registration of the trade-mark "Marlene," for liquid wave set, wave set powder, hair oil, brilliantine, and hand lotion, issued January 26, 1937, it was held that if these goods are of the same class as applicant's, and the two marks are so similar as to be likely to deceive, then manifestly the proposed registration is expressly forbidden.

It was held that it is clear beyond doubt that the goods are all of the same descriptive properties.

It was held that the Examiner was right in ruling that the trade-mark in question are confusingly similar.

After noting that applicant attempted to make a prima-facie showing that the registered mark is abandoned it was held that the Examiner was right in refusing to accept the showing, since the most that can be said of the showing presented is that it indicates present nonuse of the mark, and that is clearly insufficient.

AIR KING PRODUCTS COMPANY, INC., *v.* SAMUEL M. BERNSTEIN, Opposition No. 23,299.

In a decision rendered August 21, 1946 (169 Ms. Dec. 122, — USPQ —) *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had dismissed the opposition of Air King Products Company, Inc., of Brooklyn, N. Y., to the application of Samuel M. Bernstein, of Chicago, Ill., for registration of a trade-mark for electric fans, the mark comprising the surname "Berns," which is disclaimed; the notation "Air King"; and certain more or less conventional design features. One ground of opposition was that applicant's mark constitutes an appropriation of opposer's corporate name.

It was held that applicant's mark is plainly dominated by the words "Air King."

In response to applicant's contention that his composite mark is not merely the name of a corporation it was held that the inclusion of additional features in a mark dominated by a name does not render such a mark registrable; and it is immaterial that opposer's goods and applicant's are of different descriptive properties, so that the opposition should have been sustained.

EX PARTE STEPHEN JANIK, Serial No. 461,851.

In a decision rendered August 23, 1946 (169 Ms. Dec. 126, — USPQ —) *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Stephen Janik, of Niagara Falls, N. Y., the word "Cherioca" as a trade-mark for a nonalcoholic, noncereal, maltless beverage, sold as a soft drink and sirup and extract for making the same, in view of a prior registration of the notation "Cherri-O" for identical goods.

It was held that the two marks are confusingly similar seems obvious, particularly in view of the kind of merchandise with which they are used.

In response to applicant's argument that the "Cherri" portion of the registered mark is descriptive it was held that be that as it may, the registration was effected under the provisions of the act of February 20, 1905; hence its validity may not be questioned in this ex parte proceeding; neither is it important that the "Cheri" portion of applicant's own mark is nondescriptive, and when correctly pronounced differs slightly in sound from "Cherri," for the fact remains that the two marks as spoken, regardless of pronunciation, are so nearly the same as to be practically indistinguishable; and that is the manner in which they are most likely to be used by the public.

EX PARTE AUGUST WALTER GUSTAFSON, Serial No. 468,513.

In a decision rendered August 23, 1946 (169 Ms. Dec. 129, — USPQ —) *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks refusing to register to August Walter Gustafson, of Corpus Christi, Tex., the notation "Choke-Proof," under the provisions of the act of March 19, 1920, as a trade-mark for dusting machines used in applying insecticidal powders to vegetation.

After noting that the Examiner's position is that the mark merely describes a desirable characteristic of applicant's dusting machines and therefore is incapable of indicating origin it was held that since applicant has submitted evidence tending to establish that the mark has been recognized by the trade as identifying his machines, and its registration will not deprive competitors of access to descriptive expressions of equivalent import, the mark is registrable under the liberal terms of the 1920 act, where descriptiveness is no bar to the registration of a mark that has acquired trade-mark significance.

OAKITE PRODUCTS, INC., *v.* WILLIAM C. HAUSER, Opposition No. 23,770.

In a decision rendered August 23, 1946 (169 Ms. Dec. 125, — USPQ —) *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Oakite Products, Inc., of New York, N. Y., to the application of William C. Hauser, of Toledo, Ohio, for registration of a trade-mark for a cleaning preparation on the ground that applicant's mark, the word "Organite," is confusingly similar to opposer's trade-mark "Oakite," registered and in use by opposer for many years before applicant entered the field.

After noting that it is stipulated that opposer's mark is used on liquid cleaning preparations recommended for all of the purpose for which applicant's liquid "Organite" cleaning preparation is recommended it was held that "Oakite" and "Organite" are both coined words, having no other meaning than as trade-marks; they are somewhat similar in appearance, and do not differ greatly in sound, so that in view of the character and the substantial identity of the goods to which they are applied, and resolving doubts in opposer's favor, their concurrent use would be reasonably likely to cause confusion in trade.

MCKESSON & ROBBINS, INCORPORATED, *v.* ORMONT DRUG & CHEMICAL CO., INC., Opposition No. 23,727.

In a decision rendered August 23, 1946 (169 Ms. Dec. 127, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the opposition of McKesson & Robbins, Incorporated, of New York, N. Y., to the application of Ormont Drug & Chemical Co., Inc., of Long Island City, N. Y., for registration of the word "Nebudrin" as a trade-mark for bacteriostatic preparations for the treatment of congestion in the membranes of nose and throat. The opposition was based upon opposer's ownership of the trade-mark "Aqua-Drin," previously registered for nose drops and nose spray.

After noting that the sole question raised on the appeal is whether the marks, as applied to the goods described, are confusingly similar, and that the Examiner was of the opinion that they are not, it was held that the ruling of the Examiner was correct since, although the marks have the same final syllable, viewed as a whole they are unlike in appearance, sound and significance.

MCKESSON & ROBBINS, INCORPORATED, *v.* PALMO PRODUCTS CO., INC., Opposition No. 23,673.

In a decision rendered August 23, 1946 (169 Ms. Dec. 128, — USPQ —) *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of McKesson & Robbins, Incorporated, of New York, N. Y., to the registration of a trade-mark applied for by Palmo Products Co., Inc., of Hartford, Conn., for soap—namely, soap and bar type soap—but not limited thereto. Applicant's mark includes the word "Palmo," reversely printed in capital letters that diminish in height from each end to accommodate a circle in which are depicted a hand showing the palm upwards, a number of palm trees and the representation of a face in a circle simulating the sun. Opposer relied upon two registrations, renewed in its name, respectively covering the notation "Royal Palm" and the representation of a palm tree. Both certificates list numerous articles of merchandise, including green soap (soft soap U. S. P.).

It was held that applicant correctly states that the only issue involved is that of similarity of marks.

In response to applicant's assertion that the word "palm" in the soap art is publici juris, it was held that neither the argument nor the registrations cited to sustain the point may be considered in this proceeding. Moreover, if the word "Palm" or its pictorial equivalent in opposer's marks is descriptive as applicant insists, then so also is the word "Palmo" in the mark it seeks to register; for the addition of the letter "o" is not significant, so that applicant in effect argues that its own mark is nonregistrable.

After noting that applicant concedes that its goods would be called for by the word "Palmo" it was held that that word is undoubtedly the dominant feature of its mark so that the Examiner of Interferences rightly ruled that the similarities of the marks are such that confusion in trade is reasonably likely to occur, particularly inasmuch as in applicant's mark the palm is emphasized by being repeated in pictorial form in the representation of the palm of the human hand and in the palm tree.

NOXON, INC., *v.* NOX-RUST CORPORATION, Cancellation No. 4425.

In a decision rendered August 27, 1946 (169 Ms. Dec. 130, — USPQ —) *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the petition of Noxon, Inc., of Ozone Park, N. Y., to cancel trade-mark registration No. 405,747, issued February 22, 1944, under the provisions of the act of February 20, 1905, to Nox-Rust Corporation, of Chicago, Ill. The mark of the registration sought to be canceled is the notation "Nox-Rust," which is appropriated to rust inhibiting protective coating in the nature of ready mixed paint for metallic surfaces. It has been in use since 1937. Petitioner relied upon its ownership of the trade-mark "Noxon," previously registered for metal polish, for cleaner polish for metals, glass, and porcelain, and for finishes for floors and other furniture surfaces—namely, waxes in solid and liquid form, tire paint, and paint enamels.

After noting that in recent years none of these goods except the cleaner polish have been manufactured, and that respondent thus argues that they should be disregarded, it was held that the Examiner of Interferences properly overruled this contention.

After noting that it was the Examiner's opinion that while petitioner's goods and respondent's are specifically different and are neither competitive nor substitutable one for the other, they are nevertheless quite generally related, and are of the same descriptive properties within the meaning of the Trade-Mark Act, it was held that broadly speaking, the Examiner's holding in this respect is right, but nevertheless the specific differences between the goods are such as to insure against confusion in their sale under the partially similar trade-marks here in question, so that the petition should have been dismissed.

EX PARTE PIPE COUPLINGS, INC., Serial No. 482,115.

In a decision rendered August 27, 1946 (169 Ms. Dec. 132, — USPQ —) *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Pipe Couplings, Inc., of New York, N. Y., a mark for pipe coupling gaskets composed of rubber, synthetic rubber, and plastics or combinations thereof. The mark consists of the letter "V" projecting into a cross section of a pipe coupling gasket, such as applicant sells. The application was rejected in view of a prior registration of the letter "V" for gaskets.

After noting that applicant concedes that the goods in question, broadly speaking, are of the same descriptive properties, it was held that the goods may even be closely related, but even if the goods are specifically different, the proposed registration was properly refused, since applicant has appropriated the entire mark of the reference as the dominant portion of the mark it seeks to register, so that concurrent use of the two marks upon goods only broadly of the same descriptive properties would inevitably result in confusion.

After noting that, apparently unknown to the Examiner, the device into which the letter "V" of applicant's mark projects is now admitted to be a

representation of applicant's goods, it was held that the mark appears to be nonregistrable under the act of 1905 for the additional reason that it is descriptive.

CELANESE CORPORATION OF AMERICA *v.* AMERICAN VISCOSE CORPORATION, Cancellation No. 4321.

In a decision rendered August 30, 1946 (169 Ms. Dec. 133, — USPQ —.) *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of Celanese Corporation of America, of New York, N. Y., to cancel trade-mark registration No. 403,937, issued October 26, 1943, under the provisions of the act of February 20, 1905, to American Viscose Corporation, of Wilmington, Del. Petitioner took no testimony but served notice under rule 154 (*e*) that at final hearing it would rely upon a pleaded assignment which was recorded in the Patent Office. The Examiner of Interferences dismissed the petition without regard to the merits of the case because petitioner failed to produce and file the assignment.

It was held that when petitioner learned of its apparently inadvertent failure to make of record a copy of the recorded assignment, its obvious remedy was by motion to reopen; having failed to avail itself of that remedy, it must abide by the consequences.

It was held that presumably petitioner owns the registration upon which it relies, but mere surmise cannot take the place of proof; and under the rules of evidence there can be no doubt but that the Examiner of Interferences correctly dismissed the petition for cancellation.

However, the First Assistant Commissioner stated that it seems proper to say that in his opinion, had petitioner proved its alleged ownership, the petition should have been sustained. The goods named in the two registrations are identical plastic materials. The marks are "Acwalite" and "Avcolite," both of which are coined expressions that would have no significance to the public other than as trade-marks. And in sound and appearance they are practically indistinguishable. Were this an opposition proceeding involving respondent's application to register, resort could be had to the prior registration regardless of ownership; but in a cancellation proceeding such practice is not permissible.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 24, 1946

[VOL. 590. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 488,416. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Sept. 13, 1945.

Hearthstone

FOR FLOWER SEEDS, VEGETABLE SEEDS AND GRASS SEEDS.
Claims use since Feb. 13, 1945.

Ser. No. 492,433. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Nov. 30, 1945.

FOAMEX

FOR PARTLY PREPARED SPONGE RUBBER PADDING, SHEETS, AND BLOCKS OF SPONGE RUBBER, AND RUBBER SUBSTITUTES (USED IN THE FURTHER FABRICATION OF COMPLETED ARTICLES).
Claims use since July 28, 1943.

Ser. No. 492,436. THE GRIESS-PFLEGER TANNING CO., Waukegan, Ill. Filed Nov. 30, 1945.

COMBOTAN

FOR SHOE SIDE UPPER LEATHER.
Claims use since Nov. 1, 1945.

Ser. No. 495,385. J. M. HUBER, INC., New York, N. Y. Filed Jan. 25, 1946.

LIPOL

FOR VULCANIZABLE COMPOSITION HAVING RUBBER-LIKE QUALITIES IN GRANULAR OR SHEET FORM FOR MECHANICAL RUBBER GOODS SUCH AS SOLES AND SLABS.
Claims use since Jan. 8, 1946.

CLASS 2

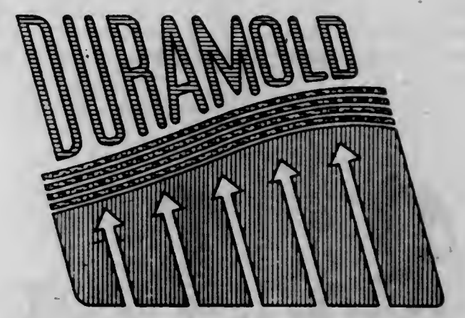
RECEPTACLES

Ser. No. 488,417. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Sept. 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Hearthstone

FOR HOSE REELS, CLOTHES HAMPERS, VACUUM BOTTLES, AND VACUUM JUGS.
Claims use since Feb. 13, 1945.

Ser. No. 490,013. DURAMOLD AIRCRAFT CORPORATION, New York, N. Y. Filed Oct. 16, 1945.



In the mark the word "Duramold" appears in blue, the four stripes underneath the word are orange, and the field into which the arrows extend is red.

FOR MOLDED LAMINATED RECEPTACLES—NAMELY, PLYWOOD BOXES AND PLYWOOD GASOLINE TANKS FOR AIRCRAFT.
Claims use since Nov. 22, 1942.

Ser. No. 496,100. PAPER PACKAGE COMPANY, Indianapolis, Ind. Filed Feb. 6, 1946.

C-PAX

The word "Pax" is disclaimed apart from the mark.
FOR TRANSPARENT BOXES COMPOSED OF CELLULOSE ACETATE EITHER ALONE OR IN COMBINATION WITH CARDBOARD.
Claims use since Jan. 31, 1946.

Ser. No. 502,092. HERMAN H. WEHRINGER, Upper Montclair, N. J. Filed May 14, 1946.

CORDTAINER

FOR REELS FOR ELECTRIC CORD, CABLE, AND OTHER FLEXIBLE LINEAR MATERIAL.
Claims use since Apr. 30, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 485,407. A. GALEWSKI & SONS, INC., New York, N. Y. Filed July 3, 1945.

TRAVEL MORE

The word "Travel" is disclaimed apart from the mark.
FOR TRUNKS, SUITCASES, VALISES, TRAVELLING CASES, AND HANDBAGS.
Claims use since Mar. 1, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 496,849. DUNCAN R. MACKENZIE, doing business as Duncan Mackenzie Company, New York, N. Y. Filed Feb. 18, 1946.

Baa-Baa

FOR COMPOUND FOR WASHING WOOLENS.
Claims use since Mar. 13, 1945.

Ser. No. 496,911. HOOD CHEMICAL COMPANY, INC., New York, N. Y. Filed Feb. 19, 1946.



FOR HOUSEHOLD CLEANER.
Claims use since Jan. 4, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 472,191. MORRIS E. ELLIOTT, doing business as Elliott-Drugs, Connersville, Ind. Filed July 13, 1944.

OROLAVE

FOR MOUTH WASH AND GARGLE.
Claims use since July 1, 1934.

Ser. No. 484,190. SANDER BRICHTA, doing business as Sander B Company, Phoenix, Ariz. Filed June 6, 1945.

FLEETICK

FOR ANT EXTERMINATOR PREPARATIONS.
Claims use since May 9, 1945.

Ser. No. 487,821. BON JOHNS BERWALD, Bay Shore, Long Island, N. Y., assignor to Robert T. Plate, Detroit, Mich. Filed Aug. 31, 1945.

VISTA LIPS

No claim is made to the word "Lips" apart from the mark as a whole.
FOR MIRROR AND LIPSTICK ALL IN ONE.
Claims use since Apr. 21, 1941.

Ser. No. 488,084. HENRIETTE HOTTERMANS FIEULLIEN, Brussels, Belgium. Filed Sept. 7, 1945.

ROBYMONA

FOR PERFUMERY.
Claims use since January 1945.

Ser. No. 490,722. WETHERBOLT'S PERFUME CO. Chicago, Ill. Filed Oct. 29, 1945.

RED LOVELY and *Dangerous*

No claim is made to the word "Red" apart from the mark.
FOR PERFUME AND COLOGNE.
Claims use since Apr. 26, 1945.

Ser. No. 492,098. ROYCEMORE TOILETRIES, INC., Chicago, Ill. Filed Nov. 23, 1945.

TRELLIS

FOR COLOGNE AND SHAMPOO.
Claims use since Sept. 14, 1940.

Ser. No. 492,713. FRANZ KLEIN, doing business as Coeur Dame Laboratories, Newark, N. J. Filed Dec. 5, 1945.

CD

Coeur dame

FOR NIGHT SKIN CREAM, COLD CREAM, CLEANSING CREAM, HAND CREAM, AND OTHER CREAMS FOR APPLICATION TO THE SKIN; LOTIONS FOR THE SKIN AND HAIR; LIPSTICKS; MAKE-UP CREAMS AND LOTIONS; BATH SALTS AND BATH OILS; FACE AND TOILET POWDERS.
Claims use since Oct. 2, 1945.

Ser. No. 492,947. NOVOCOL CHEMICAL M'F'G. CO. INC., Brooklyn, N. Y. Filed Dec. 8, 1945

Therapules

FOR MEDICAMENTS—NAMELY, ESTROGENIC SUBSTANCE AND NIKETHAMIDE, USEFUL FOR SUPPLYING DEFICIENCY IN HORMONES AND FOR A RESTORATIVE IN CASE OF SHOCK, RESPECTIVELY.
Claims use since Nov. 9, 1945 on estrogenic substance, and on Nikethamide since Nov. 28, 1945.

Ser. No. 493,152. TEEN TIMER LABORATORIES CO., INC., New York, N. Y. Filed Dec. 12, 1945.

Teentimer

FOR PERFUMES, COLOGNES, DEODORANTS, HAND LOTIONS, SHAMPOOS, FACE AND HAND CREAMS, AND FACE AND BODY DUSTING POWDERS.
Claims use since Apr. 30, 1945.

Ser. No. 493,306. ABBOTT LABORATORIES, North Chicago, Ill. Filed Dec. 15, 1945.

PYRAHEXYL

FOR PRODUCT FOR USE IN THE TREATMENT OF NEUROSIS, AS FOR EXAMPLE ADDICTION TO ALCOHOL OR NARCOTICS, AND TO BE USED ONLY UNDER THE DIRECTION OF A PHYSICIAN.
Claims use since Oct. 28, 1942.

Ser. No. 493,564. MILES LABORATORIES, INC., Elkhart, Ind. Filed Dec. 19, 1945. Under 10-year proviso.

MILES

FOR SEDATIVE IN EFFERVESCENT AND/OR LIQUID FORM FOR NERVOUS HEADACHE, SLEEPLESSNESS AND RESTLESSNESS, NERVOUS IRRITABILITY AND EXCITABILITY.
Claims use since 1880.

Ser. No. 495,859. BRISTOL LABORATORIES INC., Syracuse, N. Y. Filed Feb. 2, 1946.

BRISLAB

FOR PHARMACEUTICAL PREPARATIONS—NAMELY, PENICILLIN, LIVER EXTRACT, ESTROGENIC SUBSTANCE IN OIL, IRON CACODYLATE, AND EMETINE HYDROCHLORIDE.
Claims use since Nov. 29, 1945.

Ser. No. 496,449. THE KNOX COMPANY, Los Angeles, Calif. Filed Feb. 12, 1946.



The letter "I" is disclaimed apart from the mark.
FOR PREPARATION INDICATED IN AND FOR THE CARE, COMFORT, HYGIENE AND TREATMENT OF THE EYES.
Claims use since Oct. 5, 1945.

Ser. No. 496,650. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Feb. 15, 1946.

THERA-CONCEMIN

FOR VITAMIN CAPSULE FOR USE IN VITAMIN DEFICIENCIES.
Claims use since Jan. 24, 1946.

Ser. No. 496,688. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Feb. 16, 1946.

A DROP HERE-AND THERE

No claim is made to the word "Drop" alone.
FOR PERFUME, HAND LOTION, LIQUID BRILLIANTINE, AND HAIR TONIC.
Claims use since Feb. 13, 1946.

Ser. No. 496,763. LOUIS H. BURNS, Kansas City, Mo. Filed Feb. 18, 1946.

FOLAMIN

FOR PROTEIN HYDROLYSATE OBTAINED FROM PRIMARY YEAST, AND DEXTROSE, USED PRINCIPALLY AS A BLOOD BUILDER AND FOOD SUPPLEMENT FOR THE HUMAN BODY.
Claims use since Dec. 8, 1945.

CLASS 7
CORDAGE

Ser. No. 501,281. RIVERSIDE & DAN RIVER COTTON MILLS, INC., doing business as Dan River Mills, Danville, Va. Filed May 1, 1946.

FLORABOND

FOR FLORISTS' TWINE.
Claims use since Mar. 30, 1946.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 502,864. PHILLIP W. BAILEY, doing business as West Coast Stained Shingle Co., Seattle, Wash. Filed May 27, 1946.

OLYMPIC

FOR STAINED WOOD SHINGLES.
Claims use since April 1938.

CLASS 13
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 474,081. CLAYTON MARK & COMPANY, Evanston, Ill. Filed Sept. 11, 1944.

HYDRO

FOR UNIONS FOR CONNECTING PIPES OR RODS AND UNION CHECK VALVES.
Claims use since Mar. 3, 1930.

Ser. No. 494,566. MARKWELL MFG. CO., INC., New York, N. Y. Filed Jan. 10, 1946.

MASTER

Applicant is the owner of Reg. No. 384,872.
FOR STAPLES USED IN STAPLING MACHINES FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, TOGETHER, ALSO FOR FASTENING PAPERS, CARDBOARD, METAL, ON TO WOOD.
Claims use since Dec. 27, 1940.

Ser. No. 496,999. WELLS MANUFACTURING COMPANY, Dayton, Ohio. Filed Feb. 20, 1946.



The word "Mist" is disclaimed apart from the mark.
FOR LAWN SPRINKLERS.
Claims use since Dec. 6, 1945.

CLASS 16
PAINTS AND PAINTERS' MATERIALS

Ser. No. 492,973. U. S. PAINT, LACQUER & CHEMICAL CO., St. Louis, Mo. Filed Dec. 8, 1945.

VITRONAL

FOR READY-MIXED PAINTS.
Claims use since Nov. 1, 1945.

Ser. No. 496,668. SAPOLIN CO. INC., New York, N. Y. Filed Feb. 15, 1946.

RUSTROL

FOR ALUMINUM PAINTS AND OTHER RUST INHIBITING PAINTS FOR INDOOR AND OUTDOOR USE.
Claims use since Feb. 1, 1946.

Ser. No. 496,698. THE GRAND UNION COMPANY, New York, N. Y. Filed Feb. 16, 1946.

GRAND UNION

FOR FURNITURE POLISH AND FLOOR WAX.
Claims use since 1895 on furniture polish and since 1935 on floor wax.

CLASS 17
TOBACCO PRODUCTS

Ser. No. 481,894. RAMON GONZALEZ Y GUTIERREZ, doing business as Ramon Gonzalez & Co. (Sociedad en Comandita), Habana, Cuba. Filed Apr. 9, 1945.



Applicant disclaims the word "Havana" apart from the mark.
FOR CIGARS.
Claims use since 1944.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 487,281. SHELDON ELECTRIC CO., INC., Irvington, N. J. Filed Aug. 18, 1945.

ATOMIC

FOR FLUORESCENT STARTER SWITCHES, ELECTRIC RECTIFIER BULBS AND RADIO TUBES.
Claims use since Aug. 9, 1945.

Ser. No. 490,325. NATIONAL TECHNICAL LABORATORIES, South Pasadena, Calif. Filed Oct. 22, 1945.

HELIPOT

FOR ELECTRIC VARIABLE RESISTORS AND RADIO-TYPE POTENTIOMETERS.
Claims use since Jan. 2, 1941.

Ser. No. 491,041. NOTEK ELECTRIC COMPANY LIMITED, Kent, England. Filed Nov. 3, 1945.

NOTEK

FOR ELECTRIC LAMPS—NAMELY, ELECTRIC LAMPS FOR MOTOR VEHICLES AND PARTS THEREOF, NON-GLARING ELECTRIC FOG AND TRAFFIC LAMPS, VEHICLE LAMP REFLECTORS, AND ELECTRIC FLASH LIGHTS.
Claims use since Jan. 8, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 487,489. SAM L. WEISMAN, New York, N. Y. Filed Aug. 23, 1945.

A PLAY-WISE Quality Toy

No claim is made to the words "Quality Toys" apart from the mark.

FOR TOYS—NAMELY, GUNS AND GUN HOLSTERS, BLOCK AND MARBLE GAMES, STUFFED DOLLS AND STUFFED ANIMALS, ARCHERY SETS, HAMMER AND PEG SETS, AND WHEELED PULL TOYS.

Claims use since June 1, 1945.

Ser. No. 504,914. IRA D. MALBROUGH, JR., Chicago, Ill. Filed July 1, 1946.

Aggressor

FOR GOLF BALLS.

Claims use since June 4, 1946.

Ser. No. 504,915. IRA D. MALBROUGH, JR., Chicago, Ill. Filed July 1, 1946.

Radar

FOR GOLF BALLS.

Claims use since Apr. 12, 1946.

Ser. No. 504,916. IRA D. MALBROUGH, JR., Chicago, Ill. Filed July 1, 1946.

Trump

FOR GOLF BALLS.

Claims use since Apr. 12, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 481,753. PETTIBONE MULLIKEN CORPORATION, Chicago, Ill. Filed Apr. 5, 1945.

PMCO

FOR CRUSHING AND PULVERIZING MACHINERY AND PARTS THEREOF FOR CRUSHING ROCKS, STONES, MINERALS, AND THE LIKE; CONVEYOR FLIGHTS FOR CRUSHERS; DISCHARGE SPOUTS FOR CRUSHERS; AUGERS FOR BRICK MACHINES; AUGER CASE LINERS FOR BRICK MACHINES; BEATER BLADES FOR BRICK MACHINES; ELEVATOR BUCKETS FOR BRICK MACHINES; BUSHINGS FOR BRICK MACHINES; BRICK MACHINE DIES; KNIVES FOR BRICK MACHINES; BRICK PADDLES; FEED SPOUTS FOR BRICK MACHINES; DIPPER BUCKETS AND PARTS THEREOF; DRAGLINES AND PARTS THEREOF; DRAGLINE BUCKETS AND PARTS THEREOF; DREDGE BUCKETS AND PARTS THEREOF; SHOVEL DRUMS; STEAM SHOVEL GROUSERS; SHOVEL SHOES; PULL SHOVELS; STEAM SHOVEL RACKS; CLEVISES FOR MACHINERY; CLUTCHES; BLOCK SIDES FOR SHEAVES; DREDGE PUMPS AND PARTS THEREOF; CUTTERS FOR DREDGES; CUTTER HEADS FOR DREDGES; CONVEYOR CHAINS; BENDING DIES; BLOCK DIES; SLURRY PUMPS AND PARTS THEREOF; CABLE DRUMS FOR STEAM SHOVELS; GATES AND GATE SUPPORTS FOR DAMS; BEVEL GEARS; HERRINGBONE GEARS; SPUR GEARS; PUMPS AND PARTS THEREOF; CHAINS AND SPROCKETS FOR CONVEYORS; MINING GUDGEON PINS; CAST MACHINERY PROTECTING HOUSINGS; GRANULATOR KNIVES; PUG MILL KNIVES; EARTH MACHINE SCARIFIER TEETH; ROAD SCRAPERS AND PARTS THEREFOR; DREDGE PUMPS; MACHINERY SHAFTS AND SHAFT NUTS; SHEAVES; SHIELDS FOR CRUSHING AND PULVERIZING MACHINERY; TRACTOR SHOES; SLEEVES FOR RECIPROCATING PUMPS AND OIL FIELD DRILLING EQUIPMENT; MINE WHEELS FOR ORE HAULING CARS; CRANE WHEELS; MINING ROLL SHELLS; MINING ROLLERS; ORE CRUSHING MANTLES FOR MINING MACHINERY; CONES FOR MINING MACHINERY; CRATES FOR MINING MACHINERY; BARS FOR MINING MACHINERY; LINERS FOR MINING MACHINERY; PLATES FOR MINING MACHINERY; ASPHALT MIXER PARTS; GRATE BARS FOR ORE CRUSHING MACHINERY; AND ROLLS FOR STEEL MILL MACHINERY.

Claims use since January 1924.

Ser. No. 485,289. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J. Filed June 30, 1945.

K

FOR PORTABLE HAND FIRE EXTINGUISHERS; WHEELED PORTABLE HAND OPERATED FIRE EXTINGUISHING UNITS; FIRE EXTINGUISHING APPARATUS—NAMELY, INSTALLATIONS OF ONE OR MORE CONTAINERS FOR FIRE EXTINGUISHING MEDIUM, ONE OR MORE CONDUITS FOR CONVEYING THE MEDIUM FROM THE CONTAINER OR CONTAINERS TO THE PLACE OR PLACES TO BE PROTECTED, THE TERMINAL OF THE CONDUIT IN EACH OF SAID PLACES HAVING A DISCHARGE OUTLET FOR THE DISCHARGE OF THE MEDIUM INTO THE PROTECTED PLACE UPON OPENING OF A VALVE OR VALVES ASSOCIATED WITH THE CONTAINER OR CONTAINERS.

Claims use since Dec. 1, 1940, on hand portable fire extinguishers and fire extinguishing apparatus, since Oct. 15, 1942, on wheeled portable hand operated fire extinguishing units, and since Sept. 1, 1942, on recharge pumps.

Ser. No. 487,472. KING QUALITY PRODUCTS CO., Indianapolis, Ind. Filed Aug. 23, 1945.

KING QUALITY

No claim is made to the word "Quality" apart from the mark.

FOR AUTOMOTIVE AND AIRCRAFT ENGINE PARTS—NAMELY, PISTONS, PISTON EXPANDERS, PISTON PINS AND PARTS THEREOF, CYLINDER SLEEVES, CYLINDER SLEEVE SEALS, VALVES AND PARTS THEREOF, VALVE GUIDES, ROCKER ARM SHAFT ASSEMBLIES, MOTOR BEARINGS, BEARING BOLTS, WATER PUMPS AND PARTS THEREOF.

Claims use since Mar. 1, 1928.

Ser. No. 488,717. VASCOLOY-RAMET CORPORATION, North Chicago, Ill. Filed Sept. 19, 1945.

VR

FOR MACHINE TOOLS AND PARTS OF TOOLS, FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS, AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING, OR SHAPING OTHER METALS AND MATERIALS.

Claims use since Apr. 1, 1942.

Ser. No. 490,427. GENERAL IMPLEMENT CORPORATION, Cleveland, Ohio. Filed Oct. 24, 1945.



FOR CORN SHELLERS, DISK HARROWS, AND LIME SOWERS.

Claims use since Aug. 29, 1945.

Ser. No. 496,682. AGERSTRAND CORPORATION, Muskegon, Mich. Filed Feb. 16, 1946.

Agrilizer

FOR AGRICULTURAL IMPLEMENT—NAMELY, A SOIL PULVERIZER.

Claims use since Jan. 18, 1946.

Ser. No. 498,123. DEXTEROUS ENGINEERING CO., INC., Chicago, Ill. Filed Mar. 13, 1946.

DEXTEROUS

FOR AUTOMOTIVE STANDS OF THE STEEL HORSE TYPE.

Claims use since Jan. 2, 1946.

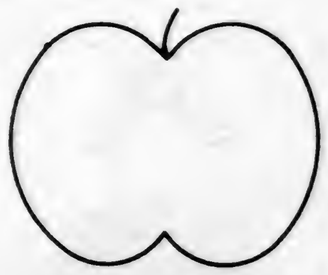
Ser. No. 499,134. HEINEKE & COMPANY, Springfield, Ill. Filed Mar. 28, 1946.

EXCELLO

FOR LAWN MOWERS.

Claims use since Nov. 1, 1945.

Ser. No. 499,135. THE J. T. HENRY MANUFACTURING CO., Hamden, Conn. Filed Mar. 28, 1946.



FOR PRUNING AND LOPPING SHEARS.
Claims use since Feb. 15, 1915.

Ser. No. 499,320. THE DE LAVAL SEPARATOR COMPANY, New York, N. Y. Filed Mar. 30, 1946.

UNI-MATIC

FOR INDUSTRIAL CENTRIFUGES.
Claims use since Mar. 8, 1946.

Ser. No. 502,776. VACO PRODUCTS COMPANY, Chicago, Ill. Filed May 25, 1946.

VACO

FOR STEEL HAND TOOLS—NAMELY, AWLS, COUNTERSINKS, CLAMPS, CHISELS, DRILLS, HACK-SAWS, HAMMERS, REAMERS, RATCHETS, SCREW DRIVERS, SOCKETS, AND WRENCHES.
Claims use since September 1937.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 481,189. MICROMETAL COMPANY, Ferndale, Mich. Filed Mar. 22, 1945.

MICROMETAL

FOR DIMENSION MEASURING APPARATUS IN THE NATURE OF SNAP GAUGES AND THE LIKE FOR MEASURING DIAMETERS AND OTHER DIMENSIONS OF OBJECTS.
Claims use since Aug. 14, 1944.

Ser. No. 484,893. EDWARD J. HERBERT, doing business as Edroy Products Company, New York, N. Y. Filed June 22, 1945.

MINI-MAG

FOR MAGNIFYING GLASS.
Claims use since Apr. 25, 1945.

Ser. No. 489,718. DEJUR-AMSCO CORPORATION, Long Island City, N. Y. Filed Oct. 10, 1945.

Versatile Professional

Applicant is the owner of Reg. No. 383,896. No claim is made to the word "Professional" apart from the mark.
FOR PHOTOGRAPHIC ENLARGERS AND ACCESSORIES THEREFOR.
Claims use since June 1, 1941.

Ser. No. 494,146. KURT VOLK, New York, N. Y. Filed Dec. 29, 1945.

ELCONAP

FOR ELECTRIC AUTOMATICALLY CONTROLLED APPARATUS—NAMELY, PARAFFIN EMBEDDING OVENS, SEROLOGICAL WATER BATHS, HOT AIR DRYING OVENS AND STERILIZERS, BACTERIOLOGICAL INCUBATORS, LOW TEMPERATURE INCUBATORS, RUBBER AGING OVENS AND CARIUS FURNACES, FOR LABORATORY USE.
Claims use since Jan. 31, 1930.

Ser. No. 495,023. THE FREDERICK POST COMPANY, Chicago, Ill. Filed Jan. 19, 1946.



The trade-mark consists of the word "Vapo". The word "Paper" is hereby disclaimed, as it forms no part of the mark, said word being disclosed in the drawing to indicate that the last letter of the mark is "o".
FOR LIGHT-SENSITIZED PAPER FOR PRODUCING DIAZOTYPE PRINTS OF THE TYPE CAPABLE OF DEVELOPMENT IN AMMONIA GAS.
Claims use since May 1, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 492,300. J. F. WOLF, Cranford, N. J. Filed Nov. 27, 1945.

Savaspace

FOR FOLDING TABLES.
Claims use since 1942.

Ser. No. 499,102. AVIATION OFFICE SUPPLIES, INC., New York, N. Y. Filed Mar. 28, 1946.

FILE WITH A SMILE

The word "File" is disclaimed apart from the mark.
FOR FILE CABINETS.
Claims use since Mar. 1, 1946.

CLASS 33

GLASSWARE

Ser. No. 468,440. CORNING GLASS WORKS, Corning, N. Y. Filed Mar. 20, 1944.



The drawing is lined for the color brown. The mark consists of a brown line extending longitudinally of a glass body of a contrasting color. The tube shown is disclaimed as a part of the mark.
FOR GLASS TUBING AND ROD.
Claims use since Jan. 5, 1944.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 488,887. BOOSEY & HAWKES LIMITED, London, England. Filed Sept. 24, 1945.

ARCHERY

FOR STRINGS FOR MUSICAL INSTRUMENTS.
Claims use since February 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 477,979. FLOYD G. PAXTON, doing business as Paxton Products Company, Riverside, Calif. Filed Dec. 27, 1944.



FOR PAPER PLANT COVERS.
Claims use since Feb. 17, 1943.

Ser. No. 492,315. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C. Filed Nov. 28, 1945.

DISCO WOOD GRAIN

No claim is made for the words "Wood Grain" apart from the mark.
FOR BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS.
Claims use since Mar. 31, 1938.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 461,023. OPTIMIST INTERNATIONAL, St. Louis, Mo. Filed May 29, 1943.

OPTIMIST International

FOR PRINTED MEMBERSHIP BADGES, MEMBERSHIP CARDS, PRINTED CHARTERS ISSUED TO JUNIOR OPTIMIST CLUBS AND SENIOR OPTIMIST CLUBS, PRINTED CREEDS, DIRECTORIES AND ROSTERS PUBLISHED PERIODICALLY, SONG BOOKS, AND DECALCOMANIA SIGNS, SOLD TO THE VARIOUS UNITS OF THE ASSOCIATION.
Claims use since June 1919.

Ser. No. 488,226. EARL LINDSEY, doing business as Rodeo Cowboys Association, Fort Worth, Tex. Filed Sept. 10, 1945.



The drawing is lined to indicate the color red. The words "Rodeo News" are disclaimed apart from the mark.
FOR MAGAZINE PUBLISHED MONTHLY, AN ASSOCIATION PUBLICATION CARRYING NEWS AND INFORMATION TO MEMBERS.
Claims use since June 1, 1945.

Ser. No. 490,578. CLOWN COMICS, INC., New York, N. Y. Filed Oct. 27, 1945.



FOR COMIC CARTOON PERIODICAL.
Claims use since Oct. 24, 1945.

Ser. No. 493,057. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 11, 1945.

RIP VAN WINKLE DEPARTMENT

No registration rights are claimed for the word "Department" apart from the mark as a whole.
FOR MAGAZINE COLUMN.
Claims use since Aug. 11, 1945.

Ser. No. 493,106. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y. Filed Dec. 12, 1945.

Kodacook

FOR COLUMN OR SECTION IN A PERIODICAL PUBLICATION.
Claims use since Nov. 1, 1945.

Ser. No. 494,216. GRANT PHOTO PRODUCTS, INC., New York, N. Y. Filed Jan. 3, 1946.

Grancolor

FOR MOUNTED PHOTOGRAPHS.
Claims use since Dec. 12, 1945.

Ser. No. 495,753. MODERN PLASTICS, INC., New York, N. Y. Filed Jan. 31, 1946.

PLASTISCOPE

FOR SECTION IN A WEEKLY PUBLICATION.
Claims use since Oct. 29, 1945.

Ser. No. 499,503. PATRICK HENRY PUBLICATIONS INC., New York, N. Y. Filed Apr. 2, 1946.

VISTA

FOR MAGAZINES.
Claims use since Mar. 28, 1946.

Ser. No. 499,730. THE PREMIUM SERVICE CO. INC., New York, N. Y. Filed Apr. 5, 1946.

Humdinger

FOR PERIODICAL—NAMELY, A COMIC MAGAZINE, WHICH INCLUDES PICTORIAL STRIPS AND/OR CARTOONS AND/OR STORIES.
Claims use since Mar. 27, 1946.

Ser. No. 499,737. STUDENTS' MAGAZINES INC., Chicago, Ill. Filed Apr. 5, 1946.

MD

FOR PUBLICATION ISSUED PERIODICALLY, AN INTERNATIONAL JOURNAL FOR INTERNS AND STUDENTS OF MEDICINE, AND ADVERTISING MEDICAL SUPPLIES AND EQUIPMENT COMBINED WITH WRITTEN ARTICLES THAT UNITE THE MEDICAL UNDERGRADUATES WITH THE MEDICAL GRADUATES AND ALL THE STUDENT BODIES OF THE MEDICAL PROFESSION.
Claims use since Jan. 1, 1946.

Ser. N . 499,798. PICTORIADS, New York, N. Y. Filed Apr. 6, 1946.

Pictoriads

FOR PHOTOGRAPHS.
Claims use since Oct. 1, 1945.

Ser. No. 499,836. HALL BROTHERS INCORPORATED, Kansas City, Mo. Filed Apr. 8, 1946.

SOLID SENDER

FOR GREETING CARDS.
Claims use since Mar. 21, 1946.

Ser. No. 499,909. MINNEAPOLIS STAR JOURNAL AND TRIBUNE COMPANY, South Minneapolis, Minn. Filed Apr. 9, 1946.

What's YOUR Score?

FOR SECTION, DEPARTMENT, OR COLUMN PUBLISHED TWICE WEEKLY IN REGULARLY ISSUED NEWSPAPERS.
Claims use since Aug. 2, 1942.

CLASS 39

CLOTHING

Ser. No. 482,258. ROSENAU BROTHERS, Philadelphia, Pa. Filed Apr. 17, 1945.

Cinderella
LITTLE MISS

No claim is made to the term "Little Miss" apart from the mark.
FOR GIRLS' DRESSES.
Claims use since Apr. 9, 1945.

Ser. No. 495,807. KORET OF CALIFORNIA, INC., San Francisco, Calif. Filed Feb. 1, 1946.

Concertina

FOR GIRLS' AND WOMEN'S SKIRTS, BLOUSES, OUTER SHORTS, AND PLAYSUITS.
Claims use since Sept. 19, 1945.

Ser. No. 496,104. SAPPHIRE HOSIERY COMPANY, Philadelphia, Pa. Filed Feb. 6, 1946.

STAR SAPPHIRE

FOR HOSIERY OF VARIOUS SHADES AND COLORS, EXCLUDING ALL BLUE SHADES AND COLORS.
Claims use since August 1941.

Ser. No. 497,378. ENTEE SLACKS, INC., New York, N. Y. Filed Feb. 28, 1946.

qablord

FOR MEN'S, WOMEN'S AND CHILDREN'S SLACKS, POLO SHIRTS, SPORT COATS, BATH ROBES, SPORT TRUNKS, BATHING TRUNKS, MUFFLERS, UNDERWEAR, SUITS, TOP COATS, OVER COATS, SPORT WEAR—NAMELY, BATHING SUITS, SWEATERS, SPORT SHIRTS, AND RIDING BREECHES, MACKINAWS, AND RAIN COATS.
Claims use since Nov. 26, 1945.

Ser. No. 499,631. KENOSHA FULL FASHIONED MILLS, INC., Kenosha, Wis. Filed Apr. 4, 1946.

Edgecrest

FOR LADIES' HOSIERY, SLIPS, PANTIES, NIGHTGOWNS AND PAJAMAS; MEN'S AND BOYS' CLOTH AND LEATHER JACKETS, MACKINAWS, CAPS, DRESS AND WORK PANTS, SHIRTS, GLOVES, AND HOSIERY; ALSO RAINCOATS, HAT COVERS AND APRONS MADE OF A PLASTIC MATERIAL, FOR MEN, WOMEN, AND CHILDREN.
Claims use since Feb. 12, 1946.

Ser. No. 500,013. ALFRED S. MINCHENBERG, New York, N. Y. Filed Apr. 11, 1946.

FARE THEE WELL

FOR LADIES', MISSES', JUNIOR MISSES', AND GIRLS' DRESSES, BLOUSES, SLACKS, HALTERS, OUTER SHORTS, AND SKIRTS.
Claims use since Dec. 1, 1945.

Ser. No. 500,096. LOEB & HOCH, INC., New York, N. Y. Filed Apr. 12, 1946.

BELTRONA

FOR LADIES', MISSES', AND JUNIOR MISSES' COATS AND SUITS.
Claims use since Dec. 1, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 497,071. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Feb. 23, 1946.

TABU

FOR SACHETS, HAIR PINS, BOBBY PINS, COMBS, AND ARTIFICIAL FLOWERS FOR THE HAIR AND GARMENTS.
Claims use since Feb. 19, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 477,528. J. RICHMAN & COMPANY, New York, N. Y. Filed Dec. 13, 1944.

Richloom

FOR TEXTILE FABRICS MADE OF COTTON AND RAYON SOLD IN THE PIECE.
Claims use since Apr. 1, 1944.

Ser. No. 478,737. J. FRED ANDREWS, doing business as Carolyn Fabrics, High Point, N. C. Filed Jan. 18, 1945.
No claim is made to the word "Fabrics" apart from its association with the word "Carolyn".

Carolyn Fabrics

FOR PIECE GOODS OF COTTON, LINEN, WOOL, RAYON, MOHAIR IN THE NATURE OF UPHOLSTERY AND DRAPERY FABRICS.
Claims use since June 1938.

Ser. No. 479,214. ROTH FABRICS CORPORATION, New York, N. Y. Filed Jan. 30, 1945.



Charbelle

FOR RAYON FABRIC IN THE PIECE.
Claims use since Jan. 15, 1945.

Ser. No. 487,316. FLOOR COVERING CO., New York, N. Y., assignor to Floor Coverings, Inc., New York, N. Y., a corporation of New York. Filed Aug. 20, 1945.



FOR RUGS AND CARPETS.
Claims use since Jan. 1, 1945.

Ser. No. 487,944. HALE BROS. STORES, INC., San Francisco, Calif. Filed Sept. 4, 1945.

POPPY

FOR MUSLIN SHEETS, BEDSPREADS, NAPKINS, AND TABLECLOTHS; COTTON DAMASK, SHEETING, MUSLIN, AND LONG-CLOTH; COTTON AND RAYON PIECE GOODS, AND RAYON PIECE GOODS.
Claims use on muslin sheets since April 1906; on bedspreads, napkins, and tablecloths, and on cotton damask, sheeting, muslin, long-cloth, and cotton and rayon piece goods since July 1911; and on rayon piece goods since 1915.

Ser. No. 489,748. S. T. PALAY TEXTILE CORPORATION, New York, N. Y. Filed Oct. 10, 1945.

BONADEA

FOR CREASE RESISTANT FABRICS.
Claims use since Oct. 19, 1938.

Ser. No. 493,700. THOMAS TEXTILE SERVICE CO., Philadelphia, Pa. Filed Dec. 21, 1945.

EXARCH

FOR COLLAR CANVAS FOR INTERIOR LINING OF COAT COLLARS.
Claims use since Jan. 5, 1943.

Ser. No. 493,703. THOMAS TEXTILE SERVICE CO., Philadelphia, Pa. Filed Dec. 21, 1945.

FEXTON

FOR COLLAR CANVAS FOR INTERIOR LINING OF COAT COLLARS.
Claims use since Jan. 5, 1943.

Ser. No. 495,975. MOSES LAVINSKY, Medford, N. J. Filed Feb. 4, 1946.

Dur-L-Lisle

No claim is made to the word "Lisle" apart from the mark.
FOR PIECE GOODS MADE OF COTTON FIBER.
Claims use since Jan. 7, 1946.

Ser. No. 496,424. CALLAWAY MILLS, La Grange, Ga. Filed Feb. 12, 1946.

VALTWIST

FOR WOVEN COTTON RUGS.
Claims use since Sept. 11, 1945.

Ser. No. 496,494. A-Q MILLS, Timmonsville, S. C., assignor to A. Q. Mills, Inc., a corporation of South Carolina. Filed Feb. 13, 1946.

ELASTAQ

FOR FABRICS IN THE PIECE MADE OF SILK, COTTON, LINEN, OR RAYON, OR ANY COMBINATION THEREOF.
Claims use since July 1, 1944.

CLASS 43

THREAD AND YARN

Ser. No. 494,884. ARKWRIGHT, INCORPORATED, New York, N. Y. Filed Jan. 17, 1946.

FIRST LADY

FOR COTTON THREAD, EMBROIDERY FLOSS, WOOLEN YARNS, WORSTED YARNS, SILK AND RAYON SEWING THREADS.
Claims use since Jan. 1, 1930.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 485,895. TRU-AIR VIOLET PRODUCTS COMPANY, Los Angeles, Calif. Filed July 16, 1945.

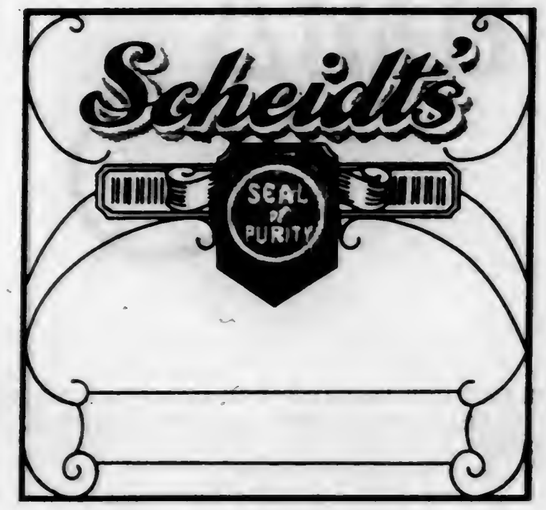
TRU-AIR

FOR GERMICIDAL LAMPS.
Claims use since January 1945.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 481,439. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Filed Mar. 28, 1945. Under section 5b of the act of 1905 as amended in 1920 as to "Scheidt's".



The word "Purity" is disclaimed apart from the mark. The vertical lines around the seal represent the color red and no claim is made to any particular color.

FOR GINGER ALE, ROOT BEER, ORANGE SODA, AND LIME DRY.

Claims use since Aug. 1, 1917.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 489,616. SOUTH TEXAS COTTON OIL COMPANY, Houston, Tex. Filed Oct. 8, 1945.

crustene

FOR OLEAGINOUS COMPOUND CONSTITUTING A SHORTENING AND A SUBSTITUTE FOR LARD.

Claims use since Nov. 19, 1917.

Ser. No. 489,862. GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Oct. 12, 1945.

LIC-JELL

No claim is made to the word "Jell" apart from the mark.

FOR GELATIN DESSERTS.

Claims use since Oct. 10, 1945.

Ser. No. 491,706. ADOLPH F. DOERR, Chicago, Ill. Filed Nov. 16, 1945.

MIN-EAT

Applicant disclaims the word "Eat" apart from the mark.

FOR SANDWICHES, ICE CREAM, AND CANDIES.

Claims use since Nov. 3, 1945.

Ser. No. 493,535. CENTRAL PROCESSORS AND BRINERS, Ellensburg, Wash. Filed Dec. 19, 1945.

TANTE'S

FOR CANNED FRUITS.

Claims use since Sept. 20, 1945.

Ser. No. 495,162. BAY STATE MILLING COMPANY, Winona, Minn. Filed Jan. 22, 1946.



All the words in the mark excepting "Wingold", are disclaimed apart from the mark.

FOR WHEAT FLOUR.

Claims use since Jan. 1, 1931; and since Feb. 18, 1899, as to the word "Wingold" in other forms and associations.

Ser. No. 496,994. STAHL-MEYER, INC., Brooklyn, N. Y. Filed Feb. 20, 1946.

R-T-E

FOR CANNED MEAT.

Claims use since Dec. 27, 1945.

Ser. No. 498,730. JAMES O. TAYLOR, Tulsa, Okla. Filed Mar. 21, 1946.

JOT'S

FOR LOOSE POPPED CORN, THE POPPED KERNELS BEING COATED BY DIPPING IN A CHEESE AND HONEY SOLUTION.

Claims use since Dec. 4, 1945.

Ser. No. 499,371. BALLARD & BALLARD CO., Louisville, Ky. Filed Apr. 1, 1946.

EMERGENCY

FOR BAKERS' BREAD FLOUR, PASTRY MAKER FLOUR, AND BAKERS' CAKE FLOUR.

Claims use since Mar. 5, 1946.

Ser. No. 499,628. IMPROVED PRODUCTS INC., Los Angeles, Calif. Filed Apr. 4, 1946.

BANA-PUDDING

No claim is made to the word "Pudding" apart from the mark.

FOR POWDER BASE FOR MAKING IMITATION BANANA-FLAVORED PUDDING.

Claims use since Feb. 7, 1946.

Ser. No. 499,673. UBC DISTRIBUTORS, INCORPORATED, Chicago, Ill. Filed Apr. 4, 1946.

JUMPER

FOR CANNED DOG FOOD.

Claims use since 1935.

Ser. No. 499,683. AMERICAN POP CORN COMPANY, Sioux City and Leeds Station, Sioux City, Iowa. Filed Apr. 5, 1946.

GOLD MINE

FOR RAW POP CORN.

Claims use since Mar. 15, 1946.

Ser. No. 499,834. D. GHIRARDELLI CO., San Francisco, Calif. Filed Apr. 8, 1946.

Parrot

FOR GROUND CHOCOLATE AND COCOA.

Claims use since January 1933.

CLASS 47

WINES

Ser. No. 497,062. BEVERLY HILLS WINE COMPANY, Syracuse, N. Y. Filed Feb. 23, 1946.

BEL-AIR

FOR WINES.

Claims use since Jan. 3, 1946.

Ser. No. 498,365. MUNSON G. SHAW CO., New York, N. Y. Filed Mar. 11, 1946.

No. 28 SHERRY

Applicant disclaims the word "Sherry" apart from the mark.

FOR WINES.

Claims use since 1903.

Ser. No. 500,071. EUGENE P. FRANEK, doing business under the name Franek's Wholesale Liquor, New Orleans, La. Filed Apr. 12, 1946.

Chateau Pinard

No claim is made to the word "Pinard" apart from the mark.

FOR WINE.

Claims use since Mar. 20, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 477,969. BENJAMIN CHARNAS, Forest Hills, Long Island, N. Y. Filed Dec. 27, 1944.

MARDAY

FOR BOWL COVERS, TOASTER COVERS, PLATTER COVERS, MIXER COVERS, ORANGE JUICE SQUEEZER COVERS, AND BOTTLE COVERS, PREFERABLY MADE OF RAYON CLOTH AND RUBBERIZED MATERIALS OR PLASTICS.

Claims use since September 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 24, 1946

424,133. WATERPROOF FABRICS. MOISTURE PROOF FABRICS, INC., New York, N. Y.
Filed November 20, 1937. Serial No. 399,975. PUBLISHED FEBRUARY 8, 1938. Class 42.

424,134. UMBRELLAS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 9, 1944. Serial No. 471,105. PUBLISHED JULY 2, 1946. Class 41.

424,135. WHEAT FLOUR. INTERNATIONAL MILLING COMPANY, Wilmington, Del.
Filed June 27, 1944. Serial No. 471,703. PUBLISHED AUGUST 28, 1945. Class 46.

424,136. PANCAKE FLOUR, BUCKWHEAT, WHEAT AND CORN PANCAKE FLOUR, ENRICHED FARINA, HOMINY GRITS, CAKE FLOUR, AND CORN MEAL. PILLSBURY FLOUR MILLS COMPANY Minneapolis, Minn., now by merger Pillsbury Mills, Inc.
Filed September 18, 1944. Serial No. 474,354. PUBLISHED JULY 9, 1946. Class 46.

424,137. HANDKNITTING YARNS. McCOY, JONES & COMPANY, INC., Chicago, Ill.
Filed October 18, 1944. Serial No. 475,434. PUBLISHED JULY 2, 1946. Class 43.

424,138. WORSTED AND WOOLEN PIECE GOODS. A. D. JUILLIARD & CO., INC., New York, N. Y.
Filed November 18, 1944. Serial No. 476,616. PUBLISHED APRIL 3, 1945. Class 42.

424,139. INCENSE. JAMIL AKHTAR, doing business as Taj Perfume Company, Detroit, Mich.
Filed November 27, 1944. Serial No. 476,897. PUBLISHED JULY 2, 1946. Class 6.

424,140. BAG PULLS AND CLIPS, NOT MADE OF PRECIOUS METAL FOR WOMEN'S HANDBAGS. DRITZ-TRAUM COMPANY, INC., New York, N. Y., now by change of name Daird Traum Company, Incorporated.
Filed February 3, 1945. Serial No. 479,381. PUBLISHED JULY 2, 1946. Class 40.

424,141. PREPARATION FOR THE CARE AND TREATMENT OF THE HAIR AND SCALP. BRISTOL-MYERS COMPANY, New York, N. Y.
Filed March 10, 1945. Serial No. 480,735. PUBLISHED JULY 2, 1946. Class 6.

424,142. PIECE GOODS WHOLLY OF WOOL OR WORSTED. THE CUMBERLAND CLOTH COMPANY LIMITED, Huddersfield and Workington, England.
Filed March 16, 1945. Serial No. 480,978. PUBLISHED JUNE 11, 1946. Class 42.

424,143. PERFUME AND COLOGNE. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill.
Filed March 19, 1945. Serial No. 481,046. PUBLISHED JUNE 26, 1945. Class 6.

424,144. CANNED FOODS—NAMELY, CANNED TOMATO PUREE. R. J. QUARTAROLI, doing business as Stanislaus Canning Company, Modesto, Calif.
Filed April 28, 1945. Serial No. 482,763. PUBLISHED JULY 9, 1946. Class 46.

424,145. DITCHING OR TRENCHING MACHINES. THE PARSONS COMPANY, Newton, Iowa.
Filed June 13, 1945. Serial No. 484,497. PUBLISHED JULY 2, 1946. Class 23.

424,146. INSECT DESTROYING AND REPELLING PREPARATIONS. RENTOKIL LIMITED, London, England.
Filed June 19, 1945. Serial No. 484,758. PUBLISHED JUNE 25, 1946. Class 6.

424,147. PREPARATION FOR TREATING TENDER, TIRED, BURNING, ACHING, SWOLLEN, AND PERSPIRING FEET. AUGUST H. GISONDI, doing business as G and G Super Foot Remedy, Schenectady, N. Y.
Filed June 22, 1945. Serial No. 484,890. PUBLISHED JULY 2, 1946. Class 6.

424,148. LEATHER WRIST WATCH STRAPS. E. J. PEARSON & SONS LIMITED, London, England.
Filed July 9, 1945. Serial No. 485,591. PUBLISHED JULY 2, 1946. Class 40.

424,149. INSECTICIDES AND CHEMICAL SUBSTANCES HAVING INSECTICIDAL PROPERTIES. IMPERIAL CHEMICAL INDUSTRIES, LIMITED, Slough, England.
Filed July 27, 1945. Serial No. 486,371. PUBLISHED JUNE 25, 1946. Class 6.

424,150. MEDICINAL PREPARATION FOR KIDNEY, BLADDER, AND LIVER AILMENTS. JAMES R. DUPUY, doing business as Memphis Chemical Co., Memphis, Tenn.
Filed August 13, 1945. Serial No. 487,074. PUBLISHED JUNE 25, 1946. Class 6.

424,151. RAZOR BLADES. JACOB P. SEGELMAN, doing business as Dynamic Razor Blade Company, Los Angeles, Calif.
Filed August 17, 1945. Serial No. 487,215. PUBLISHED JULY 2, 1946. Class 23.

424,152. BIAS TAPE AND BIAS BINDING. ALICE F. WOLFF, Brooklyn, N. Y.
Filed August 21, 1945. Serial No. 487,400. PUBLISHED JUNE 11, 1946. Class 40.

424,153. AIR CONDITIONING UNITS. NATIONAL TRADING COMPANY, INC., Hickory, N. C.
Filed August 25, 1945. Serial No. 487,563. PUBLISHED JULY 9, 1946. Class 34.

424,154. CHEMICALS AND PREPARATIONS AND COMPOUNDS THEREOF USED IN PHOTOGRAPHIC PROCESSES. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed August 28, 1945. Serial No. 487,673. PUBLISHED JUNE 25, 1946. Class 6.

424,155. ANTIBACTERIAL PREPARATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed October 2, 1945. Serial No. 489,287. PUBLISHED JUNE 25, 1946. Class 6.

424,156. MEDICINAL PREPARATION FOR TREATING MANGE AND CONDITIONING THE SKIN AND HAIR OF DOGS, ETC. KING A. WOODBURN, doing business as Woodburn Remedies, Jacksonville, Fla.
Filed October 2, 1945. Serial No. 489,305. PUBLISHED JUNE 25, 1946. Class 6.

424,157. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS. PARFUMS NATTIER SOCIETE ANONYME, Paris, France.
Filed October 5, 1945. Serial No. 489,483. PUBLISHED JULY 2, 1946. Class 6.

424,158. PREPARATION COMPRISING WATER, PHOSPHORIC ACID AND A SODIUM SECONDARY ALCOHOL SULPHATE FOR CAUSING FORMATION OF A WATER INSOLUBLE COATING ON FERROUS METALS AND USED FOR PREPARING ALUMINUM ALLOYS FOR WELDING AND PAINTING. NEILSON CHEMICAL COMPANY, Detroit, Mich.
Filed October 8, 1945. Serial No. 489,598. PUBLISHED JULY 2, 1946. Class 6.

424,159. CHEMICAL PREPARATION FOR CLEANING AND PREPARING METAL SURFACES FOR PAINTING. NEILSON CHEMICAL COMPANY, Detroit, Mich.
Filed October 8, 1945. Serial No. 489,600. PUBLISHED JULY 2, 1946. Class 6.

424,160. THERMO-CHEMICAL POWDER FOR USE IN CUTTING AND SCARFING OF METALLIC AND NON-METALLIC BODIES. UNION CARBIDE AND CARBON CORPORATION, New York, N. Y.
Filed October 18, 1945. Serial No. 490,153. PUBLISHED JUNE 25, 1946. Class 6.

424,161. EAU DE COLOGNE. LOUEY VENN OF LONDON, INC., Washington, D. C.
Filed October 18, 1945. Serial No. 490,156. PUBLISHED JULY 2, 1946. Class 6.

424,162. TOILET WATER. LOUEY VENN OF LONDON, INC., Washington, D. C.
Filed October 18, 1945. Serial No. 490,157. PUBLISHED JULY 2, 1946. Class 6.

424,163. ELECTROLYTIC PROTECTIVE TAPE. MICHIGAN CHROME & CHEMICAL COMPANY, Detroit, Mich.
Filed October 26, 1945. Serial No. 490,543. PUBLISHED JUNE 25, 1946. Class 21.

424,164. INSECTICIDES. CHANDLER R. PARSONS, doing business as Parsons Chemical Works, Grand Ledge, Mich.
Filed October 29, 1945. Serial No. 490,693. PUBLISHED JUNE 25, 1946. Class 6.

424,165. TOY BUILDINGS, MONUMENTS, TREES, BUSES, AND AUTOMOBILES IN THE FORM OF PAPER CUT OUTS. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed November 2, 1945. Serial No. 490,958. PUBLISHED JULY 9, 1946. Class 22.

424,166. BRUSH AND COMB SETS, COMBS, ORNAMENTAL PINS, BUTTONS, BUCKLES, AND PIN CUSHIONS, ALL NOT MADE OF PRECIOUS METALS. SYRACUSE ORNAMENTAL CO., New York, N. Y.
Filed November 2, 1945. Serial No. 490,982. PUBLISHED JULY 2, 1946. Class 40.

424,167. WINDOW CURTAINS AND CURTAIN MATERIALS IN THE PIECE MADE OF COTTON, RAYON, SILK, LINEN, AND MIXTURES THEREOF. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed November 3, 1945. Serial No. 491,013. PUBLISHED JUNE 11, 1946. Class 42.

424,168. WINDOW CURTAINS AND CURTAIN MATERIALS IN THE PIECE MADE OF COTTON, RAYON, SILK, LINEN, AND MIXTURES THEREOF. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed November 3, 1945. Serial No. 491,014. PUBLISHED JUNE 11, 1946. Class 42.

424,169. WINDOW CURTAINS AND CURTAIN MATERIALS IN THE PIECE MADE OF COTTON, RAYON, SILK, LINEN, AND MIXTURES THEREOF. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed November 3, 1945. Serial No. 491,015. PUBLISHED JUNE 11, 1946. Class 42.

424,170. WINDOW CURTAINS AND CURTAIN MATERIALS IN THE PIECE MADE OF COTTON, RAYON, SILK, LINEN, AND MIXTURES THEREOF. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed November 3, 1945. Serial No. 491,016. PUBLISHED JUNE 11, 1946. Class 42.

424,171. MEDICINAL PREPARATION IN TABLET AND LIQUID FORM FOR USE AS A DIURETIC TO THE KIDNEYS. EBENEZER FRANK THOMPSON, Titusville, Pa.
Filed November 6, 1945. Serial No. 491,177. PUBLISHED JULY 2, 1946. Class 6.

424,172. PIECE GOODS OF SILK, LINEN, AND COTTON, OR COMBINATIONS THEREOF, FOR TABLECLOTHS, LUNCHEON SETS, NAPKINS, AND SHAWLS, AND SCARVES FOR USE AS FURNITURE DRAPERY OR SIMILAR PURPOSES. ABCO, INC., New York, N. Y., and San Antonio, Tex.
Filed November 8, 1945. Serial No. 491,225. PUBLISHED JULY 2, 1946. Class 42.

424,173. SODIUM CHLORIDE, PHOTOGRAPHIC FIXING BATHS AND FIXING BATH REPLENISHERS, PHOTOGRAPHIC WASHOFF BATHS, PHOTOGRAPHIC DEVELOPERS, AND PRINTING SOLUTIONS. POLAROID CORPORATION, Cambridge, Mass.
Filed November 13, 1945. Serial No. 491,503. PUBLISHED JUNE 25, 1946. Class 6.

424,174. PREPARATION USED AS AN ANTACID AND LAXATIVE. MILNESIA, INC., New York and Brooklyn, N. Y.
Filed November 14, 1945. Serial No. 491,581. PUBLISHED JUNE 25, 1946. Class 6.

424,175. DOG SHAMPOO, DOG DEODORANT, DOG FLEA POWDER, AND DOG SKIN TONIC SALVE. REX STUART CO., New York, N. Y.
Filed November 16, 1945. Serial No. 491,728. PUBLISHED JUNE 25, 1946. Class 6.

424,176. ELECTRICAL CONDENSERS AND PARTS USED IN CONNECTION THEREWITH. RADIO CONDENSER COMPANY, Camden, N. J.
Filed November 23, 1945. Serial No. 492,121. PUBLISHED JUNE 25, 1946. Class 21.

424,177. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAM. LANSELLE PARFUMEUR (S. A. R. L.), Paris, France.
Filed November 24, 1945. Serial No. 492,146. PUBLISHED JULY 2, 1946. Class 6.

424,178. TABLECLOTHS, NAPKINS, KITCHEN TOWELS, AND TOWELING. STARTEX MILLS, Tucapau, S. C.
Filed November 26, 1945. Serial No. 492,233. PUBLISHED JUNE 11, 1946. Class 42.

424,179. PERFUME, COLOGNE, BATH POWDER, AND SACHET POWDER. ELMO SALES CORPORATION, Philadelphia, Pa.
Filed November 29, 1945. Serial No. 492,368. PUBLISHED JUNE 25, 1946. Class 6.

424,180. ELECTRIC LAMPS. PAUL ELLIOTT GREENBLAT, Brooklyn, N. Y.
Filed December 3, 1945. Serial No. 492,558. PUBLISHED JUNE 25, 1946. Class 21.

424,181. RAYON YARNS. TUBIZE RAYON CORPORATION, New York, N. Y., assignor to Celanese Corporation of America, New York, N. Y., a corporation of Delaware.
Filed December 3, 1945. Serial No. 492,595. PUBLISHED JULY 2, 1946. Class 43.

424,182. CASINGS FOR THE ELECTRICAL EQUIPMENT OF MOTORS AND SIMILAR POWER APPARATUS TO PREVENT ELECTRICAL EMANATIONS FROM LEAVING OR OUTSIDE ELECTRICAL IMPULSES FROM AFFECTING SAID EQUIPMENT, ETC. BREEZE CORPORATIONS, INC., Newark, N. J.
Filed December 4, 1945. Serial No. 492,615. PUBLISHED JUNE 25, 1946. Class 21.

424,183. SKIN FRESHENER, CLEANSING LOTION, CLEANSING CREAM, FACE POWDER, CAKE MAKE-UP POWDER, LIPSTICK, HAND CREAM, ETC. LABRATEST, INC., Long Island City, N. Y.
Filed December 4, 1945. Serial No. 492,632. PUBLISHED JUNE 25, 1946. Class 6.

424,184. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND COMBINATIONS THEREOF. MEADTEX FABRICS CO., New York, N. Y.
Filed December 5, 1945. Serial No. 492,723. PUBLISHED JULY 2, 1946. Class 42.

424,185. TABLE CLOTHS, TABLE COVERS, NAPKINS, GUEST AND KITCHEN TOWELS, AND TABLE MATS OF FABRICS COMPRISED OF LINEN, COTTON, RAYON, AND COMBINATIONS THEREOF. ELLISON & SPRING, INC., New York, N. Y.
Filed December 7, 1945. Serial No. 492,828. PUBLISHED JULY 2, 1946. Class 42.

424,186. MACHINES FOR APPLYING METAL CLOSURES TO GLASS OR METAL CONTAINERS. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed December 11, 1945. Serial No. 493,046. PUBLISHED JUNE 25, 1946. Class 23.

424,187. ART NEEDLEWORK YARNS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed December 12, 1945. Serial No. 493,155. PUBLISHED JULY 2, 1946. Class 43.

424,188. HEAT EXCHANGE UNITS CONSISTING OF SMALL METAL CYLINDERS CONTAINING A HEAT GENERATING CHEMICAL COMPOUND CAPABLE OF EVOLVING HEAT WHEN IGNITED. EDWIN M. SAYERS, Harrisburg, Pa.
Filed December 13, 1945. Serial No. 493,224. PUBLISHED JULY 2, 1946. Class 6.

424,189. INSECTICIDES. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed December 15, 1945. Serial No. 493,326. PUBLISHED JUNE 25, 1946. Class 6.

424,190. HOUSEHOLD INSECTICIDE AND FOR FARM AND INDUSTRIAL INSECTICIDE. HERESITE & CHEMICAL COMPANY, Manitowoc, Wis.
Filed December 15, 1945. Serial No. 493,354. PUBLISHED JUNE 25, 1946. Class 6.

424,191. RADIO ANTENNA, COMPLETE RADIO SETS INSTALLED IN PORTABLE CABINETS, RADIO KITS COMPRISING THE PARTS OF A KNOCKED-DOWN RADIO SET TO BE ASSEMBLED BY THE PURCHASER, ETC. LA MAGNA MFG. CO., INC., East Rutherford, N. J.
Filed December 18, 1945. Serial No. 493,497. PUBLISHED JUNE 25, 1946. Class 21.

424,192. ANTIBACTERIAL PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed December 19, 1945. Serial No. 493,572. PUBLISHED JUNE 25, 1946. Class 6.

424,193. ANTIBACTERIAL PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed December 20, 1945. Serial No. 493,631. PUBLISHED JULY 2, 1946. Class 6.

424,194. ESTROGENIC HORMONE SKIN CREAM. BAILEY, PRIHODA & COMPANY, Kalamazoo, Mich.
Filed December 22, 1945. Serial No. 493,724. PUBLISHED JULY 2, 1946. Class 6.

424,195. EAU DE COLOGNE. GEORGE GORDON, doing business as Bergere Company, New York, N. Y., assignor to Bergere, Inc., New York, N. Y., a corporation of New York
Filed December 22, 1945. Serial No. 493,765. PUBLISHED JUNE 25, 1946. Class 6.

424,196. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF, RADIO ANTENNA AND TRANSMISSION LINE EQUIPMENT, ETC. RADIO DEVELOPMENT & RESEARCH CORP., New York, N. Y.
Filed December 29, 1945. Serial No. 494,122. PUBLISHED JUNE 25, 1946. Class 21.

424,197. CHEMICAL COMPOUND FOR USE IN THE TREATMENT OF OIL WELL DRILLING MUDS. CHICAGO COPPER & CHEMICAL COMPANY, Blue Island, Ill.
Filed January 5, 1946. Serial No. 494,306. PUBLISHED JULY 2, 1946. Class 6.

424,198. DOMESTIC SEWING MACHINES. GELLMAN MANUFACTURING COMPANY, Rock Island, Ill.
Filed January 5, 1946. Serial No. 494,322. PUBLISHED JULY 2, 1946. Class 23.

424,199. ELECTROLYTIC PROTECTIVE TUBING. MICHIGAN CHROME & CHEMICAL COMPANY, Detroit, Mich.
Filed January 5, 1946. Serial No. 494,347. PUBLISHED JUNE 25, 1946. Class 21.

424,200. STEEL DIES AND MACHINE PARTS USED IN DROP FORGING AND ANALOGOUS MACHINES FOR FORGING OR SHAPING METAL PRODUCTS. A. FINKL & SONS COMPANY, Chicago, Ill.
Filed January 9, 1946. Serial No. 494,491. PUBLISHED JUNE 25, 1946. Class 23.

424,201. STEEL DIES AND MACHINE PARTS USED IN DROP FORGING AND ANALOGOUS MACHINES FOR FORGING OR SHAPING METAL PARTS. A. FINKL & SONS COMPANY, Chicago, Ill.
Filed January 9, 1946. Serial No. 494,492. PUBLISHED JUNE 25, 1946. Class 23.

424,202. HARDENED AND TEMPERED STEEL DIES AND MACHINE PARTS USED IN DROP FORGING AND ANALOGOUS MACHINES FOR FORGING OR SHAPING METAL PARTS. A. FINKL & SONS COMPANY, Chicago, Ill.
Filed January 9, 1946. Serial No. 494,493. PUBLISHED JUNE 25, 1946. Class 23.

424,203. ANTISEPTIC SOLUTION. INTERNATIONAL PHARMACEUTICAL CORPORATION, Boston, Mass.
Filed January 10, 1946. Serial No. 494,559. PUBLISHED JULY 2, 1946. Class 6.

424,204. MEDICINE IN THE TREATMENT OF GUMMOSIS AND SCALEBARK ON CITRUS TREES. EBEN BEST, Edinburg, Tex.
Filed January 11, 1946. Serial No. 494,594. PUBLISHED JUNE 25, 1946. Class 6.

424,205. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, WOOL, WORSTED, AND COMBINATIONS THEREOF. SHIRLEY FABRICS CORP., New York, N. Y.
Filed January 11, 1946. Serial No. 494,637. PUBLISHED JUNE 25, 1946. Class 42.

424,206. FLUID RESISTOR COMPOUND FOR COATING ELECTRICAL APPARATUS. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa.
Filed January 15, 1946. Serial No. 494,881. PUBLISHED JULY 2, 1946. Class 21.

424,207. ELECTRIC PHONOGRAPHS. LINCOLN ELECTRONICS CORPORATION, New York, N. Y.
Filed January 16, 1946. Serial No. 494,853. PUBLISHED JULY 2, 1946. Class 21.

424,208. PROTECTIVE FACIAL CREAM. EDITH IMRE AND COMPANY, New York, N. Y.
Filed January 22, 1946. Serial No. 495,171. PUBLISHED JULY 2, 1946. Class 6.

424,209. MEDICINAL PREPARATION USED FOR AMEBACIDAL INFECTION. ENDO PRODUCTS INC., New York, N. Y.
Filed January 24, 1946. Serial No. 495,281. PUBLISHED JUNE 25, 1946. Class 6.

424,210. VETERINARY LINIMENT AND ANTISEPTIC PREPARATION. HOOVER LINIMENT COMPANY, INCORPORATED, Carlisle, Ind.
Filed January 25, 1946. Serial No. 495,384. PUBLISHED JUNE 25, 1946. Class 6.

424,211. AFTER-SHAVE LOTION. HUNTLEY, LTD., Brooklyn, N. Y.
Filed January 26, 1946. Serial No. 495,476. PUBLISHED JUNE 25, 1946. Class 6.

424,212. FACIAL CREAM. E. R. LAMBERTSON, doing business as Secrets of The Nile Cream Company, Los Angeles, Calif.
Filed January 26, 1946. Serial No. 495,480. PUBLISHED JUNE 25, 1946. Class 6.

424,213. EMULSION FOR WATERPROOFING AND STAINPROOFING FABRICS COMMONLY KNOWN AS A STAIN AND WATER REPELLENT COMPOUND. STAINPRUF PROCESS LAUNDRY, also doing business as Stainpruf Manufacturing Company, Los Angeles, Calif.
Filed January 26, 1946. Serial No. 495,522. PUBLISHED JUNE 25, 1946. Class 6.

424,214. OIL BURNERS FOR HEATING EQUIPMENT. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed January 29, 1946. Serial No. 495,563. PUBLISHED JULY 9, 1946. Class 34.

424,215. CALCIUM HYPOCHLORITE. THE COWLES DETERGENT COMPANY, Cleveland, Ohio.
Filed February 2, 1946. Serial No. 495,867. PUBLISHED JULY 2, 1946. Class 6.

424,216. MEDICAL PREPARATIONS TO RELIEVE HEADACHES AND NEURALGIA. MORRIS BIOLOS, doing business as C-X Laboratories, New York, N. Y.
Filed February 4, 1946. Serial No. 495,951. PUBLISHED JUNE 25, 1946. Class 6.

424,217. PEST INHIBITING COMPOSITIONS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed February 4, 1946. Serial No. 495,994. PUBLISHED JUNE 25, 1946. Class 6.

424,218. AMINO ACIDS AND AMINO ACID MIXTURES USED MEDICINALLY AND NUTRITIONALLY AS A SUPPLEMENT TO OR SUBSTITUTE FOR PROTEINS IN FOOD. PUROCAINE, INC., Philadelphia, Pa.
Filed February 7, 1946. Serial No. 496,155. PUBLISHED JULY 2, 1946. Class 6.

424,219. AMINO ACIDS AND AMINO ACID MIXTURES USED MEDICINALLY AND NUTRITIONALLY AS A SUPPLEMENT TO OR SUBSTITUTE FOR PROTEINS IN FOOD. PUROCAINE, INC., Philadelphia, Pa.
Filed February 7, 1946. Serial No. 496,156. PUBLISHED JULY 2, 1946. Class 6.

424,220. INSECTICIDE PREPARATION FOR REPELLING AND KILLING FLIES, MOSQUITOES, MOTHS, ROACHES, BEDBUGS, AND MANY OTHER HOUSEHOLD INSECTS. B. HELLER & COMPANY, Chicago, Ill.
Filed February 8, 1946. Serial No. 496,238. PUBLISHED JULY 2, 1946. Class 6.

424,221. LAMP AND CANDLE WICKS. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed February 8, 1946. Serial No. 496,241. PUBLISHED JULY 9, 1946. Class 34.

424,222. INSECTICIDES. MAGNOLIA CHEMICAL COMPANY, INC., Jackson, Miss.
Filed February 8, 1946. Serial No. 496,250. PUBLISHED JUNE 25, 1946. Class 6.

424,223. HAIR OIL, HAIR POMADE, HAIR TONIC, AFTER-SHAVE LOTION, COLD CREAM, HAND LOTION, AND TOILET WATER. TOM UNG, doing business as United China Trading Company, Los Angeles, Calif.
Filed February 8, 1946. Serial No. 496,286. PUBLISHED JULY 2, 1946. Class 6.

424,224. NUTRITIVE PREPARATIONS CONTAINING VITAMINS AND MINERALS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed February 9, 1946. Serial No. 496,293. PUBLISHED JULY 2, 1946. Class 6.

424,225. LIPSTICKS. IRRESTIBLE, INC., New York, N. Y.
Filed February 9, 1946. Serial No. 496,312. PUBLISHED JULY 2, 1946. Class 6.

424,226. MIXTURES OF TWO OR MORE SULFONAMIDE DRUGS FOR THE TREATMENT OF BACTERIAL INFECTIONS. SCHERING CORPORATION, Bloomfield, N. J.
Filed February 11, 1946. Serial No. 496,406. PUBLISHED JUNE 25, 1946. Class 6.

424,227. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed February 15, 1946. Serial No. 496,643. PUBLISHED JULY 2, 1946. Class 6.

424,228. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed February 15, 1946. Serial No. 496,644. PUBLISHED JULY 2, 1946. Class 6.

424,229. DDT CONCENTRATE SOLUTION. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed February 19, 1946. Serial No. 496,915. PUBLISHED JULY 2, 1946. Class 6.

424,230. SULFADIAZINE-DESOXYEPHEDRINE EYE-DROP PREPARATION. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed February 19, 1946. Serial No. 496,916. PUBLISHED JULY 2, 1946. Class 6.

424,231. ALPHA TOCOPHEROL, CAROTENE, INOSITOL, LYSINE MONOHYDROCHLORIDE, METHIONINE, PYRIDOXINE HYDROCHLORIDE, ETC. GENERAL BIOCHEMICALS, INC., Chagrin Falls, Ohio.
Filed February 20, 1946. Serial No. 496,956. PUBLISHED JULY 2, 1946. Class 6.

424,232. CAPSULES CONTAINING ACTIVATED CHARCOAL. RICH LABORATORIES, INC., Lebanon, Pa.
Filed February 20, 1946. Serial No. 496,983. PUBLISHED JULY 2, 1946. Class 6.

424,233. MEDICINAL PREPARATION FOR THE TREATMENT OF SKIN CONDITIONS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed February 23, 1946. Serial No. 497,143. PUBLISHED JULY 2, 1946. Class 6.

424,234. PROTEIN HYDROLYSATE PREPARATIONS FOR USE AS A DIETARY SUPPLEMENT. THE NATIONAL DRUG COMPANY, Philadelphia, Pa.
Filed February 25, 1946. Serial No. 497,188. PUBLISHED JUNE 25, 1946. Class 6.

424,235. PROTEIN HYDROLYSATE PREPARATIONS CONTAINING MINERALS AND VITAMINS FOR USE AS A DIETARY SUPPLEMENT. THE NATIONAL DRUG COMPANY, Philadelphia, Pa.
Filed February 25, 1946. Serial No. 497,189. PUBLISHED JUNE 25, 1946. Class 6.

424,236. SUSPENSION OF SULFADIAZINE. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed February 26, 1946. Serial No. 497,255. PUBLISHED JULY 2, 1946. Class 6.

424,237. WINDOW UNITS COMPOSED PRINCIPALLY OF AT LEAST TWO SHEETS OF GLASS SPACED TO FORM A MULTIPLE GLAZED STRUCTURE. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed March 2, 1946. Serial No. 497,563. PUBLISHED JULY 9, 1946. Class 12.

424,238. SHAMPOO. ELSIE M. BAYARD, Evanston, Ill.
Filed March 5, 1946. Serial No. 497,642. PUBLISHED JUNE 25, 1946. Class 6.

424,239. ORGANIC HYDROPEROXIDES. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed March 5, 1946. Serial No. 497,684. PUBLISHED JULY 2, 1946. Class 6.

424,240. RODENTICIDE. DR. HESS & CLARK, INC., Ashland, Ohio.
Filed March 25, 1946. Serial No. 498,896. PUBLISHED JUNE 25, 1946. Class 6.

424,241. MEDICINAL PREPARATION INDICATED FOR THE RELIEF OF HYPERTENSION. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J.
Filed March 28, 1946. Serial No. 499,116. PUBLISHED JULY 2, 1946. Class 6.

424,242. ARTIFICIAL CASTING LURES AND FLY ROD LURES. DYNA TACKLE COMPANY, Dallas, Tex.
Filed March 28, 1946. Serial No. 499,126. PUBLISHED JULY 9, 1946. Class 22.

424,243. PICTURE FRAMES. DEWEY MAKO LOY, doing business as D. M. Loy Manufacturing Company, Fountain City, Tenn.
Filed March 29, 1946. Serial No. 499,255. PUBLISHED JULY 9, 1946. Class 32.

424,244. GOLF BALLS AND GOLF CLUBS. SPORTING GOODS, INC., Springfield, Mass.
Filed March 30, 1946. Serial No. 499,354. PUBLISHED JULY 9, 1946. Class 22.

424,245. SHELLED NUTS, INCLUDING SALTED NUTS; PEANUT BUTTER, PEANUT OIL FOR FOOD PURPOSES, AND POTATO CHIPS. FRANK HERFORT CANNING CO., INC., Baraboo, Wis.
Filed May 2, 1946. Serial No. 500,039. PUBLISHED JULY 9, 1946. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

424,246. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) WHITE OAK COAL COMPANY, Mount Hope, W. Va., assignor to The New River Company. Mount Hope, W. Va., a corporation of West Virginia. Filed July 27, 1942. Serial No. 454,548.

SUMMERLEE MINE

FOR COAL.
Claims use since May 1902.

424,247. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) WHITE OAK COAL COMPANY, Mount Hope, W. Va., assignor to The New River Company, Mount Hope, W. Va., a corporation of West Virginia. Filed Aug. 1, 1942. Serial No. 454,676.

LOCHGELLY MINE

FOR COAL.
Claims use since April 1907.

424,248. (CLASS 39. CLOTHING.) COHEN, GOLDMAN & CO., INC., New York, N. Y. Filed July 11, 1944. Serial No. 472,099.

SOFT CONTOUR

FOR MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS AND TROUSERS; ALSO MEN'S OVERCOATS AND TOPCOATS; ALSO WOMEN'S OVERCOATS, TOPCOATS AND SUITS, CONSISTING OF OUTER COAT, ENSEMBLE, VEST AND SKIRT.
Claims use since Apr. 1, 1944.

424,249. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PHILLIPS CHEMICAL CO., Chicago, Ill. Filed July 17, 1944. Serial No. 472,339.

JEEP

FOR CHEMICALS FOR CLEANING FLOORS, WOODWORK, VENETIAN BLINDS, DISHES, GLASSWARE, SILVERWARE, UPHOLSTERY, AND FOR GENERAL HOUSEHOLD CLEANING.
Claims use since July 1, 1944.

424,250. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KNAPP-MONARCH COMPANY, St. Louis, Mo. Filed Nov. 23, 1944. Serial No. 476,802.

Juice-All

FOR ELECTRIC-MOTOR-DRIVEN VEGETABLE AND FRUIT JUICING MACHINES.
Claims use since Aug. 28, 1944.

424,251. (CLASS 39. CLOTHING.) SUPERBA CRAVATS, Rochester, N. Y. Filed Apr. 4, 1945. Serial No. 481,722.



LAUSANNE MOIRE

FOR NECKTIES.
Claims use since Sept. 7, 1928.

424,252. (CLASS 39. CLOTHING). BEST & CO. INC., New York, N. Y. Filed Apr. 13, 1945. Serial No. 482,089.

NITYE

FOR WOMEN'S AND MISSES' SLEEPING GARMENTS—NAMELY, SHORT AND LONG PAJAMAS, SHORT AND LONG NIGHTGOWNS, AND SHORT AND LONG NIGHT SHIRTS.
Claims use since Apr. 5, 1945.

424,253. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE W. L. MAXSON CORPORATION, New York, N. Y., assignor to Maxson Food Systems, Inc., New York, N. Y. Filed Apr. 27, 1945. Serial No. 482,690.

SKY CHEF

FOR INSULATED CABINETS FOR STORING FROZEN FOODS.
Claims use since Apr. 2, 1945.

424,254. (CLASS 39. CLOTHING.) VARIETY ROBES, Brooklyn, N. Y. Filed May 29, 1945. Serial No. 483,944.

KAHALY

FOR HOUSECOATS, ROBES, BRUNCH COATS AND PINAFORES FOR WOMEN, MISSES AND GIRLS.
Claims use since May 10, 1945.

424,255. (CLASS 39. CLOTHING.) THE LA RESISTA CORSET COMPANY, Bridgeport, Conn. Filed May 30, 1945. Serial No. 483,975.

Full-Freedom

FOR CORSETS, CORSELETS, GIRDLES, PANTY GIRDLES, AND BRASSIÈRES.
Claims use since May 24, 1945.

424,256. (CLASS 39. CLOTHING.) BRYAN FULL FASHIONED MILLS, Chattanooga, Tenn. Filed June 16, 1945. Serial No. 484,613.

Beautiful BRYANS

FOR HOSIERY.
Claims use since June 1, 1945.

424,257. (CLASS 39. CLOTHING.) HEARN DEPARTMENT STORES, INC., New York, N. Y. Filed July 11, 1945. Serial No. 485,685.

Jean Arlen

FOR LADIES' HANDKERCHIEFS.
Claims use since May 25, 1945.

424,258. (CLASS 39. CLOTHING.) CAPSON HAT COMPANY, INC., New York, N. Y., and Fall River, Mass. Filed July 20, 1945. Serial No. 486,026.

SHERATON

FOR MEN'S HATS.
Claims use since May 31, 1945.

424,259. (CLASS 39. CLOTHING.) MASKULINE UNDERWEAR CO. INC., New York, N. Y. Filed Aug. 17, 1945. Serial No. 487,196.

Scarsdale

FOR MEN'S AND BOYS' SHIRTS, SPORT JACKETS, PAJAMAS, LUMBERJACKETS, HOSIERY, UNDERSHIRTS AND SHORTS.
Claims use since May 11, 1945.

424,260. (CLASS 39. CLOTHING.) MASKULINE UNDERWEAR CO. INC., New York, N. Y. Filed Aug. 18, 1945. Serial No. 487,264.

PEAK 'N SKILL

FOR MEN'S AND BOYS' SHIRTS, SPORT JACKETS, PAJAMAS, LUMBERJACKETS, HOSIERY, UNDERSHIRTS, AND SHORTS.
Claims use since June 22, 1945.

424,261. (CLASS 39. CLOTHING.) MASKULINE UNDERWEAR CO. INC., New York, N. Y. Filed Aug. 18, 1945. Serial No. 487,265.

UNSURPASSED . . .
for summer's heat
or winter's blast

FOR MEN'S AND BOYS' SHIRTS, SPORT JACKETS, PAJAMAS, LUMBERJACKETS, HOSIERY, UNDERSHIRTS, AND SHORTS.
Claims use since June 22, 1945.

424,262. (CLASS 2. RECEPTACLES.) ANGLOCK CONTAINER ENGINEERING CO., Portland, Oreg. Filed Aug. 24, 1945. Serial No. 487,507.

Anglock

FOR CARDBOARD, FIBREBOARD, AND WOODEN PACKING BOXES.
Claims use since Sept. 1, 1944.

424,263. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ERNEST E. HARTS, Saginaw, Mich. Filed Aug. 29, 1945. Serial No. 487,731.

Pul-A-Part

FOR TOY PULL APART BUILDINGS.
Claims use since Mar. 9, 1945.

424,264. (CLASS 37. PAPER AND STATIONERY.) NORTHERN PAPER MILLS, Green Bay, Wis. Filed Sept. 24, 1945. Serial No. 488,943.

GAUZE

Applicant is the owner of Reg. Nos. 262,563; 289,183; 299,934 and 305,506. The lining on the drawing represents the color blue which is an essential feature of the mark, the cross appears in white upon a blue disc and the word "Gauze" also appears in blue all upon a white background and this color scheme is an essential feature of the mark.
FOR PAPER PRODUCTS—NAMELY, TOILET TISSUE, TOWELS, NAPKINS, AND FACIAL TISSUE.
Claims use since January 1940 except toilet tissue on which use was commenced Sept. 16, 1939.

424,265. (CLASS 39. CLOTHING.) ISIDORE J. RUBIN, New York, N. Y. Filed Sept. 27, 1945. Serial No. 489,087.

CAMBRIDGE JUNIOR

FOR BOYS' AND GIRLS' RAIN COATS.
Claims use since June 1, 1945.

424,266. (CLASS 39. CLOTHING.) LEISURE FIT MANUFACTURING COMPANY, New York, N. Y. Filed Oct. 31, 1945. Serial No. 490,839.



FOR MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, AND SPORTSWEAR—NAMELY, SUITS, COATS, JACKETS, AND SWEATERS.
Claims use since Apr. 2, 1944.

424,267. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE O. HOMMEL COMPANY, Pittsburgh, Pa. Filed Dec. 13, 1945. Serial No. 493,192.

SUPERSOFT

FOR FRIT FOR USE IN PREPARATION OF PORCELAIN ENAMELS.
Claims use since May 8, 1945.

424,268. (CLASS 39. CLOTHING.) KORRY OF CALIFORNIA, Los Angeles, Calif. Filed Jan. 14, 1946. Serial No. 494,752.



FOR NECKTIES, SCARVES, AND MUFFLERS.
Claims use since June 25, 1945.

424,269. (CLASS 39. CLOTHING.) REVAY MODES, INC., New York, N. Y. Filed Jan. 22, 1946. Serial No. 495,185.



FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, AND DINNER, AND EVENING DRESSES.
Claims use since Jan. 2, 1931.

424,270. (CLASS 39. CLOTHING.) SISSMAN, DORFMAN & FRIEFELD, INC., New York, N. Y. Filed Jan. 26, 1946. Serial No. 495,514.

NIKOLAI

FOR WOMEN'S AND MISSES' FUR COATS.
Claims use since June 1, 1945.

424,271. (CLASS 39. CLOTHING.) KAY & ZUCKERMAN, New York, N. Y. Filed Feb. 2, 1946. Serial No. 495,886.

TEEN TYPE

FOR MISSES' AND JUNIOR MISSES' COATS, SUITS, JACKETS, SKIRTS, AND COAT AND SUIT ENSEMBLES.
Claims use since June 15, 1943.

424,272. (CLASS 39. CLOTHING.) IRVING GOLDSTEIN, Forest Hills, Long Island, N. Y. Filed Feb. 19, 1946. Serial No. 496,904.

POCKETEEN

FOR LADIES' DRESSES.
Claims use since Jan. 15, 1945.

424,273. (CLASS 39. CLOTHING.) SOL SHERMAN, New York, N. Y. Filed Feb. 23, 1946. Serial No. 497,135.

Sherman Products

FOR BOW TIES, NECKTIES, SLACKS, SCARFS, OUTER SHIRTS, SPORT COATS, JACKETS, SWEATERS, COLLARS, GLOVES MADE OF LEATHER OR FABRIC, OR COMBINATIONS THEREOF, HOSIERY, GARTERS, BELTS FOR OUTER WEAR AND PAJAMAS.
Claims use since May 1, 1936.

424,274. (CLASS 39. CLOTHING.) HARRIS DRESS CO., INC., New York, N. Y. Filed Mar. 21, 1946. Serial No. 498,695.

A HARRIS CLASSIC

FOR LADIES' AND MISSES' DRESSES.
Claims use since January 1944.

424,275. (CLASS 39. CLOTHING.) S. L. GILBERT COMPANY, INC., New York, N. Y. Filed Mar. 22, 1946. Serial No. 498,762.

Kinloch

FOR KNITTED BATHING SUITS, SWEATERS, JACKETS, AND MEN'S AND WOMEN'S SCARFS.
Claims use since June 1, 1923.

TRADE-MARK REGISTRATIONS RENEWED

28,394. **"LA PREFERENCIA" ETC. AND DRAWING.** CIGARS. Registered June 16, 1896. EUGENE VALLENS & Co., Chicago, Ill., and New York, N. Y. Re-renewed June 16, 1946, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey. Class 17.

51,557. **CALYXEYED.** NEEDLES FOR HAND AND MACHINE SEWING. Registered Apr. 17, 1906. HENRY MILWARD & SONS, LIMITED, Redditch, England. Re-renewed Apr. 17, 1946, to The English Needle & Fishing Tackle Company, Limited, Birmingham, England, a body politic incorporated in England. Classes 23 and 40.

51,959. **PEP-KOLA.** NON-ALCOHOLIC TONIC BEVERAGES. Registered May 1, 1906. CALEB D. BRADHAM, Newbern, N. C. Re-renewed May 1, 1946, to Pepsi-Cola Company, Long Island City, N. Y., a corporation of Delaware. Class 45.

52,244. **"S.S.P. CO." ETC. AND DRAWING.** OLIVE OIL. Registered May 1, 1906. CHAFFARD & COUDERC, Salon, Bouches-du-Rhone, France. Re-renewed May 1, 1946, to Fernand Couderc, Marseille, France. Class 46.

52,328. **REPRESENTATION OF A MAILED ARM, ETC.** NEEDLES FOR HAND AND MACHINE SEWING. Registered May 8, 1906. HENRY MILWARD & SONS, LIMITED, Redditch, England. Re-renewed May 8, 1946, to The English Needle & Fishing Tackle Company, Limited, Birmingham, England, a body politic incorporated in England. Classes 23 and 40.

52,391. **"AMERICUS" AND DRAWING.** CERTAIN NAMED FERTILIZERS. Registered May 8, 1906. THE AMERICAN AGRICULTURAL CHEMICAL CO. Re-renewed May 8, 1946, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware. Class 10.

52,485. **REPRESENTATION OF A FISH.** FISH-HOOKS. Registered May 8, 1906. HENRY MILWARD & SONS, LIMITED, Redditch, England. Re-renewed May 8, 1946, to The English Needle & Fishing Tackle Company, Limited, Birmingham, England, a body politic incorporated in England. Class 22.

52,702. **IMPERIAL.** METAL-POLISHES. Registered May 15, 1906. CHAS. RATH. Re-renewed May 15, 1946, to Julius Halpern, doing business as Imperial Products Company, Philadelphia, Pa. Class 4.

53,367. **"TEOFANI & CO." ETC. AND DRAWING.** CIGARETTES. Registered May 29, 1906. TEOFANI & Co. Re-renewed May 29, 1946, to Teofani & Co., Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 17.

53,663. **"MANITOU" ETC. AND DRAWING.** EFFERVESCENT OR CARBONATED MINERAL WATER. Registered June 12, 1906. THE MANITOU MINERAL SPRINGS COMPANY. Re-renewed June 12, 1946, to The Manitou Mineral Water Company, Manitou, Colo., a corporation of Colorado. Class 45.

53,761. **"PANSY" AND DRAWING.** CANDY. Registered June 12, 1906. PAUL F. BEICH COMPANY, Bloomington, Ill., a corporation of Illinois. Re-renewed June 12, 1946. Class 46.

53,912. **SHOWER-PROOF.** PRINTED AND PIECE DYED SILKS. Registered June 12, 1906. CHENEY BROTHERS, South Manchester, Conn., a corporation of Connecticut. Re-renewed June 12, 1946. Class 42.

54,769. **SHINOLA.** SHOE-POLISH. Registered July 31, 1906. AMERICAN CHEMICAL MANUFACTURING & MINING COMPANY, Rochester, N. Y. Re-renewed July 31, 1946, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 4.

54,791. **"NESTOR GIANACLIS" AND DESIGN.** CIGARETTES AND TOBACCO FOR CIGARETTES. Registered July 31, 1906. NESTOR GIANACLIS COMPANY, Boston, Mass. Re-renewed July 31, 1946, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey. Class 17.

54,861. **A T CO.** SPOOL-COTTON AND THREAD. Registered July 31, 1906. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed July 31, 1946, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

54,863. **LUSTRE TWIST.** SPOOL-COTTON, SEWING-COTTON, AND THREAD. Registered July 31, 1906. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed July 31, 1946, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

55,055. **COLLIER'S.** WEEKLY ILLUSTRATED MAGAZINE. Registered Aug. 7, 1906. P. F. COLLIER & SON. Re-renewed Aug. 7, 1946, to The Crowell-Collier Publishing Company, New York, N. Y., a corporation of Delaware. Class 38.

55,248. **"APOLLO SILVER CO." AND DESIGN.** SILVER PLATED HOLLOW WARE. Registered Aug. 7, 1906. BERNARD RICE'S SONS. Re-renewed Aug. 7, 1946, to Bernard Rice's Sons, Inc., New York, N. Y., a corporation of New York, N. Y. Class 28.

55,273. **"ROBERT PORTER & CO. LIMITED" ETC. AND DESIGN.** BEER. Registered Aug. 14, 1906. ROBERT PORTER & CO. LIMITED, London, England, a limited liability company of Great Britain. Re-renewed Aug. 14, 1946. Class 48.

55,577. **CREAM.** STARCH FOR FOOD PURPOSES. Registered Aug. 14, 1906. AUGUSTUS E. STALEY, Baltimore, Md. Re-renewed Aug. 14, 1946, to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware. Class 46.

55,816. **"SUN-NY JIM" AND DRAWING.** COOKED AND FLAKED WHEAT. Registered Aug. 21, 1906. THE "FORCE" FOOD COMPANY. Re-renewed Aug. 21, 1946, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 46.

55,818. **PRESTO.** SELF-RAISING FLOUR. Registered Aug. 21, 1906. THE H-O (HORNBY'S OATMEAL) COMPANY. Re-renewed Aug. 21, 1946, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 46.

55,837. **"SQUIRE PICKLES" ETC. AND DESIGN.** PICKLES. Registered Aug. 21, 1906. SQUIRE DINGEE COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Aug. 21, 1946. Class 46.

56,084. **PREMIUM.** MEN'S AND BOYS' OUTER AND DRESS SHIRTS AND BLOUSES. Registered Aug. 21, 1906. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Aug. 21, 1946. Class 39.

56,223. **SHINOLA.** POLISHING-BRUSHES AND DAUBERS FOR SHOE-POLISH. Registered Sept. 4, 1906. AMERICAN CHEMICAL MANUFACTURING & MINING COMPANY, Rochester, N. Y. Re-renewed Sept. 4, 1946, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 29.

56,429. **REPRESENTATION OF A BASE-BALL.** IMPLEMENTS AND APPARATUS USED IN BASE-BALL, TENNIS, POLO, HOCKEY, CROQUET, ARCHERY, GOLF, CAPTIVE GOLF, FOOT-BALL, BASKET-BALL, HAND-BALL, PUSH-BALL, BOXING, FENCING, BOWLING, QUOITS, HAMMER-THROWING, SHOT-PUTTING, VAULTING, AND SWIMMING, ETC. Registered Sept. 25, 1906. A. G. SPALDING & BROS., New York, N. Y. Re-renewed Sept. 25, 1946, to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware. Class 22.

56,563. **ARGUTO.** MACHINE-BEARINGS. Registered Oct. 9, 1906. NORMAN MELLOR. Re-renewed Oct. 9, 1946, to Arguto Oilless Bearing Co., Philadelphia, Pa., a firm. Class 23.

56,568. **REPRESENTATION OF A PAIR OF HANDS PULLING ON OPPOSITE ENDS OF A LINK.** LEATHER BELTING AND LEATHER PACKING. Registered Oct. 9, 1906. J. E. RHOADS & SONS, Philadelphia, Pa., and Wilmington, Del. Re-renewed Oct. 9, 1946, to J. E. Rhoads & Sons, Philadelphia, Pa., a firm. Class 1.

56,605. **REPRESENTATION OF A HORSE-NAIL.** HORSE-NAILS. Registered Oct. 9, 1906. THE CAPEWELL HORSE NAIL COMPANY. Re-renewed Oct. 9, 1946, to The Capewell Manufacturing Corporation, Hartford, Conn., a corporation of Connecticut. Class 13.

56,618. **REPRESENTATION OF THE SUN WITH RAYS.** COTTON PIECE GOODS. Registered Oct. 9, 1906. MINOT, HOOPER & Co., New York, N. Y., a firm. Re-renewed Oct. 9, 1946. Class 42.

56,639. **REPRESENTATION OF A STAG'S HEAD WITHIN A MALTESE CROSS.** HATS, CAPS, AND BONNETS. Registered Oct. 16, 1906. DUNLAP & Co., New York, N. Y. Re-renewed Oct. 16, 1946, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. Class 39.

56,651. **REWCO.** WHISKY. Registered Oct. 16, 1906. R. D. WATHEN & COMPANY, Louisville, Ky. Re-renewed Oct. 16, 1946, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia. Class 49.

56,704. **"MacLAREN'S IMPERIAL" ETC. AND DESIGN.** CHEESE. Registered Oct. 16, 1906. A. F. MACLAREN IMPERIAL CHEESE CO., LIMITED, Toronto, Ontario, Canada. Re-renewed Oct. 16, 1946, to Kraft Foods Company, Chicago, Ill., a corporation of Delaware. Class 46.

56,747. **D. D. D.** MEDICINE FOR ECZEMA AND OTHER SKIN DISEASES. Registered Oct. 16, 1906. D. D. D. COMPANY, Chicago, Ill. Re-renewed Oct. 16, 1946, to D. D. D. Corporation, Batavia, Ill., a corporation of Delaware. Class 6.

56,799. **RUBERINE.** LIQUIDS IN THE NATURE OF RUBBER IN THE FORM OF PAINT AND CEMENT COATING. Registered Oct. 16, 1906. THE STANDARD PAINT COMPANY, New York, N. Y. Re-renewed Oct. 16, 1946, to The Ruberoid Co., Bound Brook, N. J., and New York, N. Y., a corporation of New Jersey. Class 16.

56,809. **"NON-FLUID OIL" AND DRAWING.** LUBRICATING OILS AND LUBRICATING-OIL COMPOSITIONS OR GREASES. Registered Oct. 16, 1906. NEW YORK & NEW JERSEY LUBRICANT CO., Plainfield, N. J., and New York, N. Y. Re-renewed Oct. 16, 1946, to New York & New Jersey Lubricant Company, New York, N. Y., a corporation of New York. Class 15.

56,921. **PORTRAIT AND SIGNATURE OF KING C. GILLETTE.** RAZORS AND RAZOR BLADES. Registered Oct. 23, 1906. GILLETTE SAFETY RAZOR CO. Re-renewed Oct. 23, 1946, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Class 23.

182,180. **"MATCHLAND" AND DESIGN.** LEATHER SHOES AND FELT SLIPPERS. Registered Apr. 1, 1924. JULIUS GOLDSTEIN & SONS. Renewed Apr. 1, 1944, to Julius Goldstein & Sons Co., Boston, Mass., a corporation of Massachusetts. Class 39.

193,043. **"CYNTHIA SWEETS" AND OTHER WORDING.** CONFECTIONERY—NAMELY, CHOCOLATES. Registered Dec. 16, 1924. BOSTON CONFECTIONERY COMPANY, Cambridge, Mass. Renewed Dec. 16, 1944, to Cynthia Sweets Company, East Boston, Mass., a corporation of Massachusetts. Class 46.

211,251. **"THE BLUE BOY" AND DRAWING.** HAND SEWING NEEDLES. Registered Apr. 6, 1926. JAMES SMITH AND SON, (REDDITCH) LIMITED, Redditch, England, an organized company of England. Renewed Apr. 6, 1946. Class 40.

212,105. **HALLMARX.** CERTAIN NAMED FABRICS AND PIECE GOODS. Registered Apr. 27, 1926. COHN-HALL-MARX CO., New York, N. Y., a corporation of New York. Renewed Apr. 27, 1946. Class 42.

212,309. **"TEXAS" ETC. AND DESIGN.** FRESH CITROUS FRUITS. Registered Apr. 27, 1926. TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex., a corporation of Texas. Renewed Apr. 27, 1946. Class 46.

212,871. **"STAR" AND DESIGN.** CLOTH OR PAPER BACKED ABRASIVES. Registered May 18, 1926. BAEDER ADAMSON COMPANY, Boston, Mass. Renewed May 18, 1946, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware. Class 4.

212,924. **ARMY CLUB.** CIGARETTES. Registered May 18, 1926. CAVANDER'S, LIMITED, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed May 18, 1946. Class 17.

213,077. **CLEVECO.** LACQUERS. Registered May 18, 1926. THE CLEVELAND VARNISH COMPANY. Renewed May 18, 1946, to The Cleveland Varnish Company, Cleveland, Ohio, a corporation of Ohio. Class 16.

213,308. **JAMES BOWIE.** FRESH CITROUS FRUIT, GRAPEFRUIT, SATSUMAS, TANGERINES, ORANGES, LEMONS. Registered May 25, 1926. TEXAS CITRUS GROWERS EXCHANGE, Mission, Tex., a corporation of Texas. Renewed May 25, 1946. Class 46.

213,340. **IDEAL.** TUBE AND FLUE EXPANDERS, TUBE AND FLUE CUTTERS, TUBE AND FLUE BEADING TOOLS. Registered May 25, 1926. GUSTAV WIEDEKE CO. Renewed May 25, 1946, to The Gustav Wiedeke Company, Dayton, Ohio, a corporation of Ohio. Class 23.

213,392. **LITTLE WAITER.** CANNED VEGETABLES. Registered May 25, 1926. THE WEST SALEM CANNING COMPANY. Renewed May 25, 1946, to Wendell L. McEldowney, West Salem, Wis. Class 46.

213,531. **MASTER.** TUBE AND FLUE EXPANDERS, TUBE AND FLUE CUTTERS, AND TUBE AND FLUE BEADING TOOLS. Registered June 1, 1926. GUSTAV WIEDEKE CO. Renewed June 1, 1946, to The Gustav Wiedeke Company, Dayton, Ohio, a corporation of Ohio. Class 23.

213,534. **"PETER-PAN" AND DRAWING.** DRIED FRUITS—NAMELY, RAISINS, PEARS, APRICOTS, PRUNES, PEACHES, FIGS, AND NECTARINES. Registered June 1, 1926. INDERRIEDEN CANNING CO. Renewed June 1, 1946, to The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois. Class 46.

213,555. **"THE 'BECTIVE'" ETC. AND DESIGN.** BOOTS, SHOES, AND SLIPPERS, THESE ARTICLES BEING COMPOSED WHOLLY OR IN PART OF LEATHER, RUBBER, OR FABRIC. Registered June 1, 1926. JAMES BRANCH & SONS, LIMITED, London, England. Renewed June 1, 1946, to James Branch & Sons Limited, Kingsthorpe, Northampton, England, a United Kingdom corporation. Class 39.

213,568. **VICTOR.** TUBE AND FLUE EXPANDERS, TUBE AND FLUE CUTTERS, AND TUBE AND FLUE BEADING TOOLS. Registered June 1, 1926. GUSTAV WIEDEKE CO. Renewed June 1, 1946, to The Gustav Wiedeke Company, Dayton, Ohio, a corporation of Ohio. Class 23.

213,616. **PIONEER.** AIRCRAFT SPEED AND DISTANCE INDICATORS, AIRCRAFT SPEEDOMETERS, ELECTRIC TURN INDICATORS, ELECTRIC PITCH INDICATORS, ELECTRIC COMPASSES, AND CERTAIN OTHER NAMED SCIENTIFIC INSTRUMENTS. Registered June 1, 1926. PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y. Renewed June 1, 1946, to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware. Class 26.

213,827. **"BOR" AND DESIGN.** ROLLED, DRAWN, AND FORGED IRON AND STEEL. Registered June 8, 1926. FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden, a Swedish corporation. Renewed June 8, 1946. Class 14.

213,986. **IMMUNE.** INSECTICIDE AND VERMIN EXTERMINATOR. Registered June 8, 1926. PHILIP N. HYMAN, Minneapolis, Minn. Renewed June 8, 1946. Class 6.

214,074. **"CUMMINS OIL ENGINE" ETC. AND DESIGN.** INTERNAL-COMBUSTION ENGINES. Registered June 15, 1926. CUMMINS ENGINE COMPANY. Renewed June 15, 1946, to Cummins Engine Company, Inc., Columbus, Ind., a corporation of Indiana. Class 23.

214,163. **"SEAMAN PAPER COMPANY" ETC. AND DRAWING.** PRINTING PAPER. Registered June 15, 1926. SEAMAN PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 15, 1946. Class 37.

214,540. **DIALOY.** APPLIANCES FOR CLEANING BOILERS. Registered June 29, 1926. DIAMOND POWER SPECIALTY CORPORATION, Detroit, Mich., a corporation of Michigan. Renewed June 29, 1946. Class 23.

214,606. **"ECLIPSE" ETC. AND DESIGN.** ELECTRIC BATTERIES. Registered June 29, 1926. BRIGHT STAR BATTERY CO., doing business as Eclipse Battery Co., Hoboken, N. J. Renewed June 29, 1946, to Bright Star Battery Company, Clifton, N. J., a corporation of New Jersey. Class 21.

214,956. **AMERICAN LADY.** CERTAIN CANNED GOODS AND OTHER FOOD PRODUCTS. Registered July 6, 1926. HAAS-LIEBER GROCERY COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed July 6, 1946. Class 46.

215,181. **FINE-CUT.** MEAT, VEGETABLE, AND FOOD CHOPPERS; PRUNERS AND CERTAIN SNIPS; SCISSORS, SHEARS, RAZORS, AND HAND KNIVES. Registered July 13, 1926. THE HENKEL-CLAUSS COMPANY, Fremont, Ohio, a corporation of Ohio. Renewed July 13, 1946. Class 23.

215,202. **"SEAMAN PAPER COMPANY" ETC. AND DRAWING.** ENAMEL BOOK PAPER. Registered July 13, 1926. SEAMAN PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 13, 1946. Class 37.

215,273. **PARADOW.** INSECTICIDAL COMPOSITIONS. Registered July 13, 1926. THE DOW CHEMICAL COMPANY, Midland, Mich., a corporation of Michigan. Renewed July 13, 1946. Class 6.

215,466. **"TRIANGLE BRAND" AND DESIGN.** CARBON BLACK HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. Registered July 20, 1926. EASTERN CARBON BLACK COMPANY. Renewed July 20, 1946, to United Carbon Company, Inc. (Maryland), Charleston, W. Va., a corporation of Maryland. Class 1.

215,618. **SQUIRE'S.** PICKLES, MUSTARD, CATCHUP, JELLIES, JAMS, FRUIT BUTTERS, AND FRUIT PRESERVES. Registered July 20, 1926. SQUIRE DINGE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 20, 1946. Class 46.

215,652. **"SHINE-ZIT" AND DRAWING.** LIQUID CLEANER FOR CERTAIN NAMED SURFACES AND FURNITURE. Registered July 20, 1926. WESTERN CHEMICAL COMPANY, St. Joseph, Mo., a firm. Renewed July 20, 1946. Class 4.

215,661. **AFFILIATED CLOTHIERS.** CERTAIN ARTICLES OF CLOTHING FOR MEN AND BOYS. Registered July 20, 1926. AFFILIATED CLOTHIERS, INC., New York, N. Y., a corporation of New York. Renewed July 20, 1946. Class 39.

216,047. **"THE MIRROR CANDIES" ETC. AND DESIGN.** CANDY. Registered Aug. 3, 1926. THE MIRROR. Renewed Aug. 3, 1946, to Loft Candy Corporation, New York, N. Y., a corporation of New York. Class 46.

216,052. **"COLONIAL" ETC. AND DRAWING.** GASOLINE. Registered Aug. 3, 1926. BEACON OIL COMPANY. Renewed Aug. 3, 1946, to Colonial Beacon Oil Company, Boston, Mass., a corporation of Massachusetts. Class 15.

216,161. **"TDA CO" AND DESIGN.** BRAKES, BRAKING SYSTEMS, AND PARTS THEREOF FOR MOTOR VEHICLES. Registered Aug. 3, 1926. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich., a corporation of Ohio. Renewed Aug. 3, 1946. Class 19.

216,246. **SCRIPTO COMMERCIAL UNIT.** PROPELLER PENCILS AND LEADS THEREFOR. Registered Aug. 10, 1926. SCRIPTO MANUFACTURING COMPANY, Atlanta, Ga., a corporation of Georgia. Renewed Aug. 10, 1946. Class 37.

216,247. **SCRIPTO EFFICIENCY UNIT.** PROPELLER PENCILS AND LEADS THEREFOR. Registered Aug. 10, 1926. SCRIPTO MANUFACTURING COMPANY, Atlanta, Ga., a corporation of Georgia. Renewed Aug. 10, 1946. Class 37.

216,720. **MA BROWN.** PICKLES, MUSTARD, CATCHUP, JELLIES, JAMS, FRUIT BUTTERS, AND FRUIT PRESERVES. Registered Aug. 17, 1926. SQUIRE DINGEE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 17, 1946. Class 46.

217,123. **"TRUSCON FERRODECK" ETC.** ROOFING CONSTRUCTION—NAMELY, METAL PLATES, AND AN INSULATED AND WATERPROOFED COVERING. Registered Aug. 24, 1926. TRUSCON STEEL COMPANY, Youngstown, Ohio, a corporation of Michigan. Renewed August 24, 1946. Class 12.

217,331. **PARK LANE.** CANDY. Registered Aug. 31, 1926. LOFT, INCORPORATED, New York, N. Y. Renewed Aug. 31, 1946, to Loft Candy Corporation, Long Island City, N. Y., a corporation of New York. Class 46.

217,379. **CREAM.** FARINA AND SELF-RAISING FLOUR. Registered Aug. 31, 1926. HECKER-H-O COMPANY, INC., Buffalo, N. Y. Renewed Aug. 31, 1946, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 46.

217,874. **REPRESENTATION OF A MAN RIDING A BICYCLE.** CANDY. Registered Sept. 14, 1926. PAUL F. BEICH COMPANY, Bloomington, Ill., a corporation of Illinois. Renewed Sept. 14, 1946. Class 46.

217,885. **I.X.L.** CANNED VEGETABLES. Registered Sept. 14, 1926. ALBERT W. SISK & SON, Preston, Md., a firm. Renewed Sept. 14, 1946. Class 46.

217,984. **OVACOIDS.** PREPARATION IN TABLET, POWDER, AND LIQUID FORM FOR CERTAIN DISEASES. Registered Sept. 14, 1926. REED & CARNRICK, Jersey City, N. J., a corporation of New Jersey. Renewed Sept. 14, 1946. Class 6.

217,985. **TESTACOIDS.** PREPARATION IN TABLET, POWDER, AND LIQUID FORM FOR CERTAIN DISEASES. Registered Sept. 14, 1926. REED & CARNRICK, Jersey City, N. J., a corporation of New Jersey. Renewed Sept. 14, 1946. Class 6.

218,075. **"DON" AND DESIGN.** CHILDREN'S PLAY SUITS—NAMELY, OVERALLS, TROUSERS, SHIRTS, AND ROMPERS. Registered Sept. 21, 1926. WILLIAMSON-DICKIE MANUFACTURING COMPANY, Fort Worth, Tex., a corporation of Texas. Renewed Sept. 21, 1946. Class 39.

218,236. **"C-A" AND DESIGN.** WOOD-PRESERVING COMPOUNDS. Registered Sept. 21, 1926. C-A-WOOD PRESERVER COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Sept. 21, 1946. Class 6.

218,244. **"BABY SCOTT".** LEATHER SHOES. Registered Sept. 21, 1926. DOERMAN SHOE MFG. CO. Renewed Sept. 21, 1946, to Doerman Shoe Mfg. Co., South Milwaukee, Wis., a corporation of Wisconsin. Class 39.

218,368. **"ANACONDA" ETC. AND DRAWING.** CERTAIN WIRE AND CABLE, AND BUS BARS AND BUS TUBES, ALL USED FOR ELECTRICAL PURPOSES. Registered Sept. 28, 1926. ANACONDA COPPER MINING COMPANY, New York, N. Y. Renewed Sept. 28, 1946, to Anaconda Copper Mining Company, Butte, Mont., a corporation of Montana. Class 21.

218,407. **"PLYLOCK" ETC. AND DESIGN.** PLYWOOD, VENEERED AND LAMINATED. Registered Sept. 28, 1926. PORTLAND MANUFACTURING CO., Portland, Oreg., a corporation of Oregon. Renewed Sept. 28, 1946. Class 12.

218,466. **SUNNY JIM.** BRAN AND BRAN FLAKES. Registered Sept. 28, 1926. HECKER-H-O COMPANY, INC., Buffalo, N. Y. Renewed Sept. 28, 1946, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 46.

218,482. **EDWIGHT.** COAL. Registered Sept. 28, 1926. OLD BEN COAL CORPORATION, Chicago, Ill., a corporation of Delaware. Renewed Sept. 28, 1946. Class 1.

218,525. **"MICAMOLD" AND DESIGN.** GRID LEAKS, AND CONDENSERS. Registered Sept. 28, 1926. MICAMOLD RADIO CORPORATION, Brooklyn, N. Y., a corporation of New York. Renewed Sept. 28, 1946. Class 21.

218,526. **"ANACONDA" ETC. AND DRAWING.** CERTAIN NONFERROUS METALS, CASTINGS, AND ALLOYS. Registered Sept. 28, 1926. ANACONDA COPPER MINING COMPANY, New York, N. Y. Renewed Sept. 28, 1946, to Anaconda Copper Mining Company, Butte, Mont., a corporation of Montana. Class 14.

218,527. **"ANACONDA" ETC. AND DRAWING.** BRASS PIPES, BRONZE SEAMLESS TUBES, CUPRONICKEL TUBES, AND BRAZED BRONZE TUBES. Registered Sept. 28, 1926. ANACONDA COPPER MINING COMPANY, New York, N. Y. Renewed Sept. 28, 1946, to Anaconda Copper Mining Company, Butte, Mont., a corporation of Montana. Class 13.

218,545. **BILL-TAINER.** PURSES AND POCKETBOOKS. Registered Sept. 28, 1926. BUXTON, INCORPORATED, Springfield, Mass., a corporation of Massachusetts. Renewed Sept. 28, 1946. Class 3.

218,665. **ERACLIN.** CERTAIN REFINED, SEMI-REFINED, AND UNREFINED OILS AND GREASES. Registered Sept. 28, 1926. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed Sept. 28, 1946, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware. Class 15.

218,681. **"F" IN A CIRCLE.** CERTAIN NAMED ELECTRICAL APPLIANCES. Registered Sept. 28, 1926. CIRCLE F MFG. CO. Renewed Sept. 28, 1946, to Circle F Mfg. Co., Trenton, N. J., a corporation of New Jersey. Class 21.

218,735. **"LACE WEB" AND DRAWING.** SPRINGS FOR USE IN UPHOLSTERY. Registered Oct. 5, 1926. F. R. ATKINSON SPRING COMPANY, INC., Hamburg, N. Y., a corporation of New York. Renewed Oct. 5, 1946. Class 32.

218,781. **VITA BRAND COD LIVER OIL.** COMMERCIAL COD-LIVER OIL. Registered Oct. 5, 1926. YOCUM FAUST, LIMITED, London, Ontario, Canada, a corporation of Canada. Renewed Oct. 5, 1946. Class 6.

218,822. **"SLIPKNOT" ETC. AND DRAWING.** FRICTION TAPE. Registered Oct. 5, 1926. PLYMOUTH RUBBER COMPANY, INC., Canton, Mass., a corporation of Massachusetts. Renewed Oct. 5, 1946. Class 5.

218,848. **"SEAMAN PAPER COMPANY" ETC. AND DRAWING.** ENAMEL BOOK PAPER. Registered Oct. 5, 1926. SEAMAN PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 5, 1946. Class 37.

218,849. **"SEAMAN PAPER COMPANY" ETC. AND DRAWING.** ENAMEL BOOK PAPER. Registered Oct. 5, 1926. SEAMAN PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 5, 1946. Class 37.

218,850. **"SEAMAN PAPER COMPANY" ETC. AND DRAWING.** UNCOATED BOOK PAPER. Registered Oct. 5, 1926. SEAMAN PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 5, 1946. Class 37.

218,851. **"SEAMAN PAPER COMPANY" ETC. AND DRAWING.** UNCOATED BOOK PAPER. Registered Oct. 5, 1926. SEAMAN PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 5, 1946. Class 37.

218,859. **ARROW EXPRESS.** AMMUNITION. Registered Oct. 5, 1926. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., and Ilion and New York, N. Y. Renewed Oct. 5, 1946, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware. Class 9.

218,861. **"IT'S A PEACH" AND DRAWING.** GLOVES OF FABRIC, LEATHER, KNITTED MATERIAL, AND COMBINATIONS THEREOF. Registered Oct. 5, 1926. INSKEEP MFG. CO., Washington Court House, Ohio. Renewed Oct. 5, 1946, to Indianapolis Glove Company, Indianapolis, Ind., a corporation of Indiana. Class 39.

218,871. **ELKON.** ELECTRIC-CURRENT RECTIFIERS, RECTIFIER UNITS, BATTERY ELIMINATORS AND ASYMMETRIC CELLS. Registered Oct. 5, 1926. ELKON WORKS, INC., Weehawken, N. J. Renewed Oct. 5, 1946, to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware. Class 21.

218,937. **"HECKER H-O MILLS" ETC. AND DESIGN.** CERTAIN CEREAL FOODS AND FLOUR. Registered Oct. 5, 1926. HECKER-H-O COMPANY, INC., Buffalo, N. Y. Renewed Oct. 5, 1946, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 46.

218,959. **"BUDWEISER" ETC. AND DESIGN.** A CERTAIN DESCRIBED MALT BEVERAGE SOLD AS A SOFT DRINK. Registered Oct. 5, 1926. ANHEUSER-BUSCH, INC., St. Louis, Mo., a corporation of Missouri. Renewed Oct. 5, 1946. Class 48.

219,034. **RAYBROOKE.** MEN'S AND BOYS' HOSIERY Registered Oct. 12, 1926. RAYMOND TURK & CO. Renewed Oct. 12, 1946, to Raybrooke Sportswear Co., Inc., New York, N. Y., a corporation of New York. Class 39.

219,045. **"LIBERTY BELL" AND DRAWING.** PLAYING CARDS. Registered Oct. 12, 1926. STANDARD PLAYING CARD CO., Chicago, Ill. Renewed Oct. 12, 1946, to The United States Playing Card Company, Cincinnati, Ohio, a corporation of Ohio. Class 22.

219,058. **PARATEX.** PREPARED PAPER FOR BACKING FILMS OF RUBBER AND THE LIKE. Registered Oct. 12, 1926. WESTFIELD RIVER PAPER COMPANY, INC., Russell, Mass., a corporation of Massachusetts. Renewed Oct. 12, 1946. Class 37.

219,059. **"OLD MUNICH" AND DRAWING.** MALT SIRUP WHICH IS IN CONCENTRATED FORM SUITABLE FOR USE IN BREAD AND OTHER FOODS. Registered Oct. 12, 1926. CHARLES G. MCCAFFREY, doing business as Old Munich Sales Company, Pittsburgh, Pa. Renewed Oct. 12, 1946, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

219,061. **LUMALGIN.** MEDICINAL PREPARATION FOR USE AS AN ANALGESIC HYPNOTIC, AND SEDATIVE. Registered Oct. 12, 1926. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Oct. 12, 1946. Class 6.

219,062. **SOLARIZED.** SPOOLS, TUBES, CONES, AND SKEINS OF SILK AND COTTON THREAD. Registered Oct. 12, 1926. SAMPSON SOLARZ, doing business as Solarz Thread & Yarn Co., Baltimore, Md. Renewed Oct. 12, 1946. Class 43.

219,094. **"PARISTYLE" AND DRAWING.** CERTAIN NAMED TOILET PREPARATIONS. Registered Oct. 12, 1926. PARISTYLE NOVELTY CO., INC., New York, N. Y., a corporation of New York. Renewed Oct. 12, 1946. Class 6.

219,118. **"GILL LEATHER CO." ETC. AND DESIGN.** LEATHERS. Registered Oct. 12, 1926. GILL LEATHER COMPANY, Salem, Mass., a corporation of Massachusetts. Renewed Oct. 12, 1946. Class 1.

219,178. **HI-RIDGE.** COAL. Registered Oct. 12, 1926. OLD BEN COAL CORPORATION, Chicago, Ill., a corporation of Delaware. Renewed Oct. 12, 1946. Class 1.

219,184. **PEACH-RIDGE.** COAL. Registered Oct. 12, 1926. OLD BEN COAL CORPORATION, Chicago, Ill., a corporation of Delaware. Renewed Oct. 12, 1946. Class 1.

219,207. **"A LA CORBEILLE FLEURIE" AND DRAWING.** PERFUMED SOAPS, TOILET SOAPS, SHAVING-SOAP STICKS, SHAVING-SOAP PASTE, AND POWDER. Registered Oct. 12, 1926. H. & G. KLOTZ, Paris, France. Renewed Oct. 12, 1946, to Pinaud Incorporated, New York, N. Y., a corporation of New York. Class 4.

219,348. **"RAINBOW" AND DESIGN.** MALT SIRUP. Registered Oct. 19, 1926. CHARLES G. MCCAFFREY, doing business as Rainbow Sales Company, Pittsburgh, Pa. Renewed Oct. 19, 1946, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

219,418. **"BRAVERIE" AND DESIGN.** WOOLEN PIECE GOODS—NAMELY, TWEEDS. Registered Oct. 19, 1926. HABER & COMPANY, Los Angeles, Calif., a corporation of California. Renewed Oct. 19, 1946. Class 42.

219,524. **KOTAFLOOR.** PORCH AND FLOOR PAINTS. Registered Oct. 19, 1926. BLUE RIBBON PAINT CO., Wheeling, W. Va., a corporation of West Virginia. Renewed Oct. 19, 1946. Class 16.

219,550. **DAY-BRITE.** COMPLETE ELECTRIC-LIGHTING UNITS AND FIXTURES AND PARTS THEREOF. Registered Oct. 19, 1926. DAY-BRITE REFLECTOR COMPANY. Renewed Oct. 19, 1946, to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri. Class 21.

219,599. **LUSTRALINE. BRILLIANTINE.** Registered Oct. 19, 1926. L. T. PIVER, INC., Wilmington, Del., and New York, N. Y. Renewed Oct. 19, 1946, to L. T. Piver, Inc., New York, N. Y., a corporation of Delaware. Class 6.

219,614. **PYRETHROL.** INSECTICIDES AND DISINFECTANTS. Registered Oct. 19, 1926. MCCORMICK & CO., INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed Oct. 19, 1946. Class 6.

219,630. **"LYSOL" ETC.** ANTISEPTICS AND DISINFECTANTS. Registered Oct. 19, 1926. LYSOL, INCORPORATED. Renewed Oct. 19, 1946, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware. Class 6.

219,678. **REPRESENTATION OF A RED RECTANGLE.** SANDALWOOD-OIL CAPSULES. Registered Oct. 19, 1926. LABORATOIRE DE PHARMACOLOGIE, INC. Renewed Oct. 19, 1946, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York. Class 6.

219,713. **"ED. PINAUD" ETC. AND DRAWING.** HAIR TONICS. Registered Oct. 19, 1926. PINAUD INCORPORATED, New York, N. Y., a corporation of New York. Renewed Oct. 19, 1946. Class 6.

219,744. **"POPSICLE" ETC.** NONALCOHOLIC, MALTLESS SIRUPS USED IN THE PREPARATION OF FROZEN CONFECTIONS. Registered Oct. 26, 1926. THE POPSICLE CORPORATION OF THE UNITED STATES. Renewed Oct. 26, 1946, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. Class 45.

219,769. **HOT SPRING.** GAS AND OIL WATER HEATERS. Registered Oct. 26, 1926. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Oct. 26, 1946. Class 34.

219,770. **UB.** GAS AND OIL WATER HEATERS. Registered Oct. 26, 1926. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Oct. 26, 1946. Class 34.

219,771. **KW.** GAS AND OIL WATER HEATERS. Registered Oct. 26, 1926. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Oct. 26, 1946. Class 34.

219,772. **GULFSTREAM.** GAS AND OIL WATER HEATERS. Registered Oct. 26, 1926. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Oct. 26, 1946. Class 34.

219,783. **GK.** GAS AND OIL WATER HEATERS. Registered Oct. 26, 1926. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Oct. 26, 1946. Class 34.

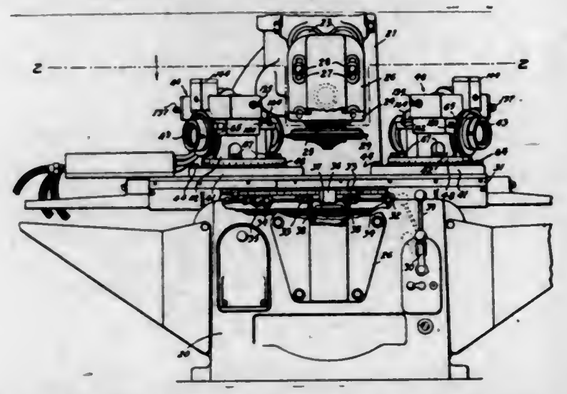
PATENTS

GRANTED SEPTEMBER 24, 1946

2,407,970
WORK INDEXING MECHANISM

William K. Andrew, Wauwatosa, and Joseph J. Lenert, Milwaukee, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application April 13, 1942, Serial No. 438,708
11 Claims. (Cl. 90—21)

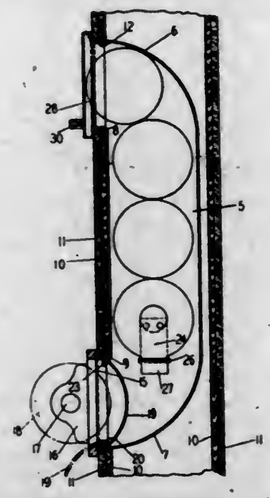


1. The combination with a machine tool including a rotatable cutter and a reciprocatable work support, of a pair of indexable work holding spindles arranged on said reciprocatable work support in a manner to effect alternate movement of each work spindle toward and from said cutter, an indexing and clamping mechanism operatively associated with each work spindle, a hydraulic motor for effecting the operation of each of said mechanisms, a power source for said motors, and control means operative to energize one of said motors to effect the indexing movement of its associated work spindle and energize the other of said motors to effect the clamping operation on its associated work spindle.

2,407,971
STORAGE RECEPTACLE FOR TOILET PAPER

Theodore R. Black, Tipp City, Ohio

Application April 18, 1945, Serial No. 589,075
7 Claims. (Cl. 312—113)

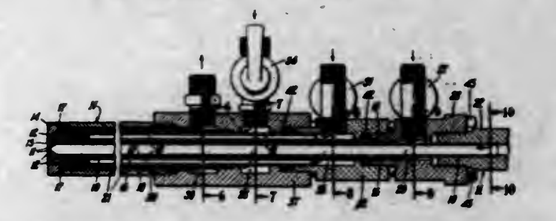


1. A storage receptacle for rolls of paper comprising a rigid vertical tubular structure substantially rectangular in cross section and adapted to be mounted in a wall between adjacent studding, the upper and lower end portions of the front and rear walls of said structure extending forwardly to engage said wall and support said tubular structure therein, means for removably supporting a roll of paper in line with and extending partially into the lower end of said structure, a closure hinged to said structure within the lower end portion thereof for forward movement to an open position, and yieldable means for retaining said closure in its closed position.

2,407,972
BLOWPIPE FOR PIERCING METAL BODIES

Robert B. Aitchison, Staten Island, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Application August 28, 1942, Serial No. 456,572
3 Claims. (Cl. 158—27.4)



1. A blowpipe for thermochemically piercing a deep hole in a metal body comprising a long nozzle having a central tube open at one end; means for supplying metal removing oxygen to the other end of said central tube; said nozzle also having a second tube surrounding said central tube in spaced relation; means for supplying fuel gas to the space between said central tube and said surrounding tube; said nozzle also having an intermediate tube surrounding said second tube in spaced relation; means for supplying oxygen to the space between said second tube and said intermediate tube; a baffle tube surrounding said intermediate tube; means for supplying a liquid cooling medium to the space between said intermediate tube and said baffle tube; a ring-shaped nozzle block attached to one end of each of said tubes except said baffle tube, the end of said baffle tube being spaced from said block; an outer tube secured to said block, whereby cooling medium will flow from said nozzle block in the space between said intermediate tube and said baffle tube, then around the end of said baffle tube, and return through the space between said baffle tube and said outer tube; and passages formed in said nozzle block meeting at substantially common outlets spaced about said central tube, one group of passages connecting with the fuel gas supply space between said central tube and said second tube and another group of passages connecting with the oxygen supply space between said second tube and said intermediate tube.

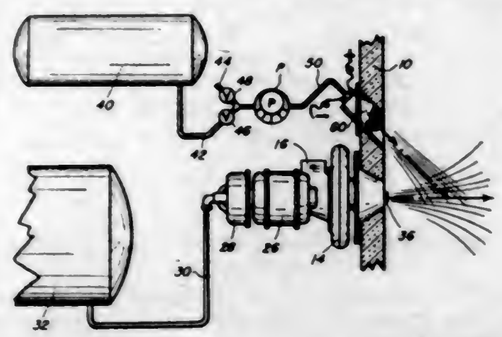
2,407,973
METHOD AND MEANS FOR IGNITING LIQUID FUEL

Harry A. Beckstrom, Seattle, Wash., assignor to J. G. Frost, Seattle, Wash.

Application October 25, 1941, Serial No. 416,546
1 Claim. (Cl. 158—28)

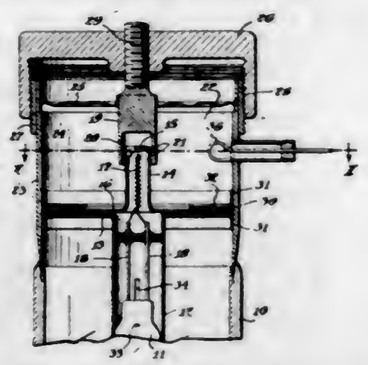
A combustion control system including a heavy-oil main burner of the rotary atomizing

type, a burner nozzle and ignition means therefor, said burner nozzle being located to one side of and directed at an acute angle into the discharge stream of said heavy-oil main burner, a source of low flash-point fuel oil, a vane type rotary pump connected with said burner nozzle and having an air and oil inlet, fluid fuel conductor means between said source and said oil inlet, means for energizing said main burner and



means operable simultaneously therewith for rotating said vane pump to aerate and pressurize air and oil supplied thereto, means for activating said ignition means coincident with the discharge of air and fuel from said vaned pump, whereby an igniter flame is initiated having intensity and velocity to strike into and ignite the oil laden core of the discharging stream from the main burner.

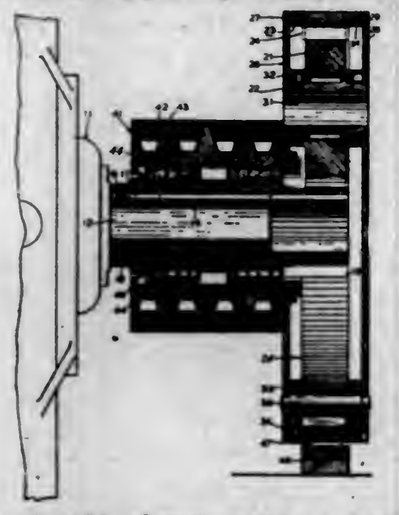
2,407,974
ULTRA HIGH FREQUENCY DEVICE
David Gordon Clifford, Palo Alto, Calif., and Ilia E. Mouromtseff, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 29, 1942, Serial No. 470,490
4 Claims. (Cl. 250—27.5)



4. An ultra high frequency device comprising a metallic enclosure forming a resonator, a cathode and an anode in said resonator, said cathode having a flange projecting laterally therefrom and said enclosure having a plate overlapping said flange a distance substantially equal to a quarter wave-length in dielectric, and dielectric between said overlapping plate and flange.

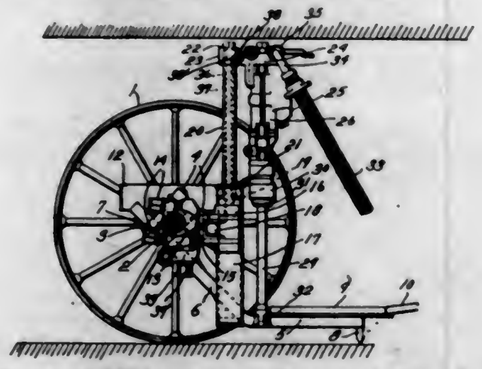
2,407,975
SPEED CHANGE UNIT
Joseph D. Christian, San Francisco, Calif.
Application September 9, 1944, Serial No. 553,358
5 Claims. (Cl. 74—305)

1. In combination, a motor having a shaft extending therefrom, a first sleeve mounted on said shaft for rotation by said shaft, a pinion gear on said first sleeve adjacent the common end of said sleeve and said shaft, a second sleeve, bearing means between said first and second sleeves supporting said second sleeve for rotation on said first sleeve, a plurality of planet gears mounted for rotation about and in mesh with said pinion gear, a first plate mounted on an end of said second sleeve and supporting said planet gears on



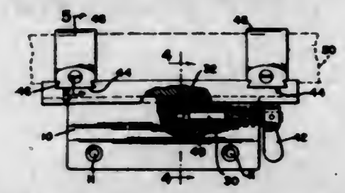
one side of said planet gears, a second plate mounted on and supporting said planet gears on the other side thereof, a ring gear positioned between said plates and surrounding said planet gears in mesh therewith, means for sealing said ring gear to each of said first and said second plates, and means for retaining said ring gear against rotation.

2,407,976
DRILLING APPARATUS
John C. Curtis and Elmer G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company, a corporation of Pennsylvania
Application September 28, 1944, Serial No. 556,259
7 Claims. (Cl. 255—51)



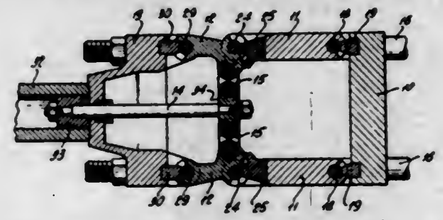
1. In a drilling apparatus, a pair of wheels adapted to run along a supporting surface and having a transverse axle on which said wheels are journaled, a support secured to said axle and adapted to support a drilling tool, and an additional support secured to said axle and engaging the supporting surface at its outer end remote from said wheels, said additional support near its point of engagement with the supporting surface being disposed in a relatively low horizontal position close to the supporting surface and having thereon means to receive the weight of the drill operator at a point between the point of engagement of said additional support with the supporting surface and the points of contact of said wheels with the supporting surface to hold the drill support against turning with said axle relative to said wheels or lifting of said wheels.

2,407,977
MOUNT FOR TELESCOPIC SIGHTS
William H. English, Seattle, Wash.
Application April 3, 1944, Serial No. 529,306
2 Claims. (Cl. 33—50)



1. In a mount for telescopic sights, comprising: a base plate adapted to be secured to firearm, a dovetail rib on said base plate, a slider having a groove shaped to fit said dovetail rib and mounted thereon, means on said slider for securing a telescopic sight tube thereto, a section of said dovetail being depressible, crank means for depressing said depressible section, and means in said base plate extending through an end edge thereof for operating said crank means to depress said section whereby the slider is locked to the base plate.

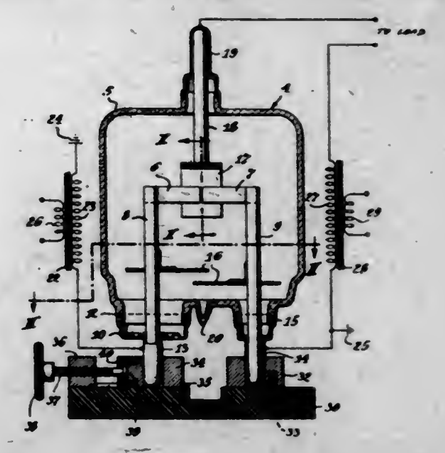
2,407,978
TOGGLE SYSTEM FOR INJECTION MOLDING MACHINES
Thomas H. Eyles, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application February 24, 1945, Serial No. 579,612
4 Claims. (Cl. 74—110)



1. In an injection molding machine, a toggle system comprising a fixed member, a movable member, toggle-joints connecting said members, means for actuating the toggle-joints, each toggle-joint having two links formed with forked ends, toggle pins passing through the forked ends for hinging the links to the fixed and movable members and to each other, and lugs bearing against the portion of the pins that extends between the forks to resist the bending moment that the reaction force of the injection pressure tends to create in the pins and to prevent deformation of the pins.

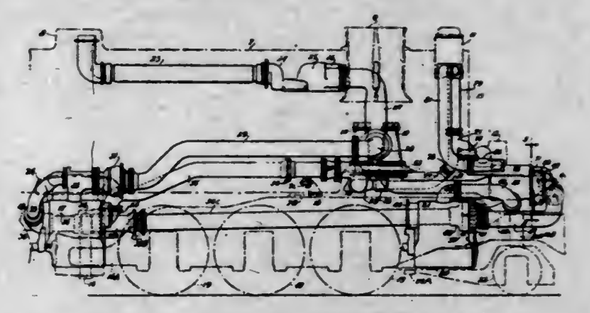
2,407,979
CONTROLLED ELECTRODE FOR FIELD EMISSION DISCHARGE DEVICES
John H. Findlay, Upper Montclair, and Clarence E. Dawley and Andrew Pfeiffer, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1942, Serial No. 459,776
7 Claims. (Cl. 250—27.5)

1. A discharge device wherein operation is initiated by field emission of electrons comprising a pair of oppositely disposed spaced electrodes between which a field emission arc discharge occurs upon the application of a potential thereto and subject to deterioration tending to increase the gap therebetween during operation, an anode in juxtaposition to said pair of electrodes for supporting an electron discharge with one of the electrodes of said pair immediately following the field emission arc discharge between said pair of



electrodes, and means disposed exteriorly of said device and operable by an operator at will to cause relative movement between said pair of electrodes to maintain the spacing therebetween substantially constant during the useful life of said device.

2,407,980
MULTIPLE-CYLINDER STEAM LOCOMOTIVE
Fred W. George, Jr., Lima, Ohio
Application December 8, 1942, Serial No. 468,272
32 Claims. (Cl. 105—47)

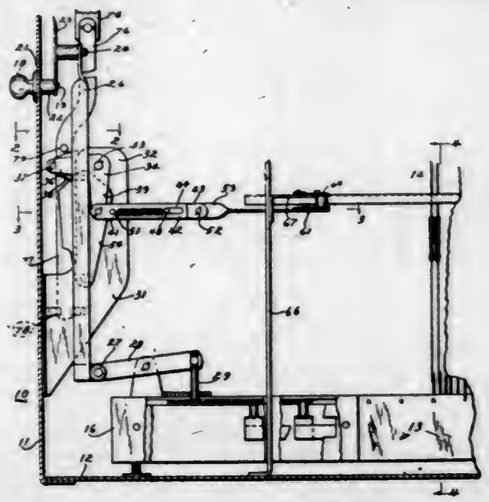


1. In a steam locomotive having a boiler and pairs of cylinders at longitudinally spaced-apart zones, each pair having intervening saddle structure, a steam piping system including means conducting the steam supply for two pairs of cylinders from the boiler to the zone of one of said pairs of cylinders, conduit means connected to receive part of said supply and extending from the saddle structure of said one pair to and through the saddle structure of the other of said pairs, and pipe means connected to said conduit means beyond said latter pair and doubled back for connection thereto.

2,407,981
VOTING MACHINE
Alvin N. Gustavson, Bemus Point, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware
Application May 27, 1942, Serial No. 444,640
2 Claims. (Cl. 235—54)

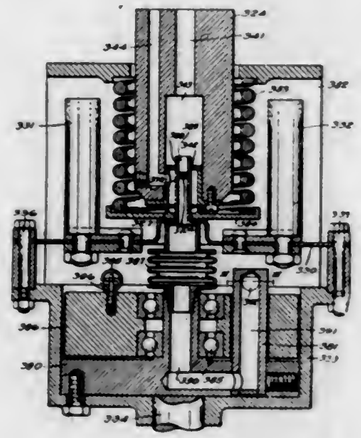
1. In a voting machine having a manually operable control member and a plurality of operable straps having offset portions, a mechanism for securing said straps against movement from either operated or inoperated position, said mech-

anism comprising a bar movable to engage the offset portions in either position of said straps, a rod joined to said control member, yieldable means operably connecting said bar with said rod,



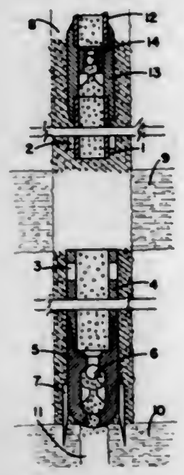
further means connecting said bar with a further bar, said further bar being operable to move said yieldable means and at least momentarily withdraw said bar from engagement with said offset portions without affecting said control member.

2,407,982
ACCELERATION-RESPONSIVE GOVERNOR SYSTEM
Clinton R. Hanna, Pittsburgh, and Stanley J. Mikina, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 15, 1943, Serial No. 502,490
1 Claim. (Cl. 264—7)



In a governing system for controlling the admission of motive fluid to a prime mover in response to pressure of controlling liquid, means providing a first space in which liquid under pressure is maintained and a second space for the controlling liquid; means for maintaining controlling liquid under pressure in said second space; said last-named means including a metering orifice for supplying liquid thereto from the first space, an escape port for the second space, and a control valve cooperating with the discharge end of the port to define an escape orifice; said valve presenting an area exposed to pressure of said second space so that force dependent on such pressure is applied thereto; means providing a force which varies in response to speed and for directly applying the second-mentioned force to the control valve; means providing a third space; means for maintaining a liquid under pressure in the third space including a metering orifice for supplying liquid thereto from said first space, an escape port for the third space and formed in a rotating part, an inertia member journaled on the rotating part and provided with a valve element cooperating with the discharge end of the port to define an escape orifice, and a spring coupling the rotating part and the inertia member and exerting torque on the latter opposing torque exerted thereon and due to the force of liquid pressure applied to the area of the valve element exposed to pressure in the third space; and means responsive to pressure in said third space for applying force to said control valve.

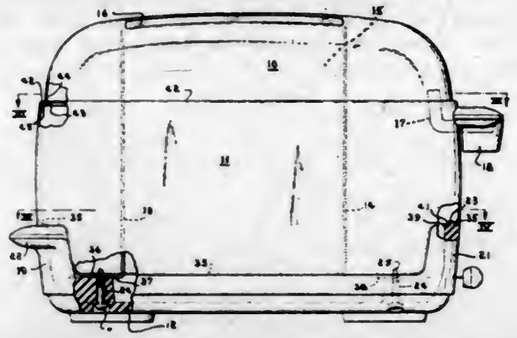
2,407,983
COMPLETION OF WELLS
Orvie D. Harper, Vandalia, Ill., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 19, 1942, Serial No. 462,552
5 Claims. (Cl. 166—21)



1. A method for completing a well having a plurality of producing horizons which comprises lowering into the well a casing having separable sections corresponding in number to the producing horizons into a position where the lowermost section is just above the lowermost producing horizon, cementing the lowermost section of the casing in place, disengaging the remainder of the casing from the lowermost section and raising it until its lower end is adjacent the upper end of the next higher producing horizon, cementing the new lowermost section in place, repeating these operations to the extent required by the number of producing sections and drilling out residual cement from the several sections.

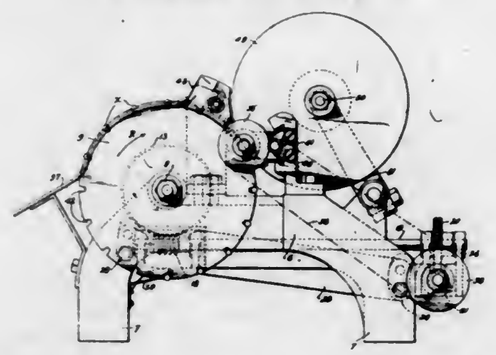
2,407,984
TOASTER CASING STRUCTURE
Joseph R. Heilman, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 11, 1944, Serial No. 553,499
6 Claims. (Cl. 99—401)

1. In a casing structure for an electric toaster mechanism including a handle movable upwardly and downwardly between toasting and non-toasting positions, the combination of a base for supporting the toaster mechanism, a top wall spaced above the base and having an opening therein for the passage of bread to and from the toaster mechanism, a side wall structure carried by the base and engaging said top wall, said side wall structure encompassing the toaster mechanism and formed as a unit with its opposed ends disposed adjacent each other, said opposed ends of the side wall structure having respective clamp-



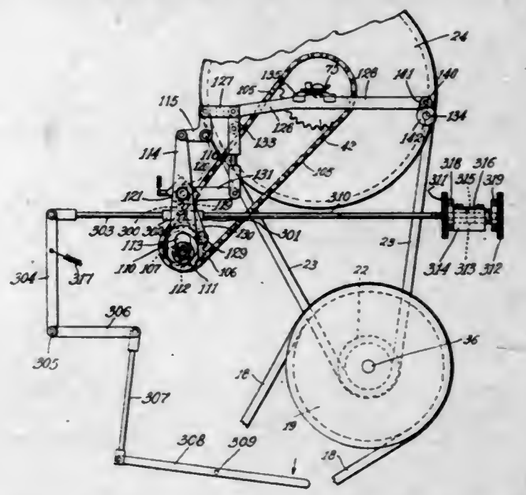
ing members formed thereon and extending inwardly of the casing structure and at least a portion of the opposed ends of the side wall structure being spaced to define a slot through which said handle projects, a keeper having spaced-apart legs engaging said clamping members and preventing separation of the casing ends and means for retaining the keeper in engagement with the clamping members.

2,407,985
MACHINE TOOL
Frederick W. Henke, Philadelphia, Pa., assignor to Fox Products Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 13, 1943, Serial No. 498,513
4 Claims. (Cl. 90—20)



1. In a machine tool having a cutter or other working element, a carrier wheel having a plurality of stations adjacent the periphery thereof for the reception of work pieces to be carried past the cutter, and drive mechanism for the carrier wheel including a power shaft carrying a worm, an adjustable shaft carrying a worm wheel cooperating with said worm, the adjustable shaft being mounted for swinging movement about the axis of the power shaft with said worm and worm wheel interengaged, a second worm carried by the free end of the adjustable shaft, and a second worm wheel operatively connected with the carrier wheel, and adjustable means for mounting the free end of said adjustable shaft in different positions with reference to the axis of said second worm wheel, whereby to accommodate worm wheels of different diameter in the position of said second worm wheel and thereby provide for variation in the rate of drive of the carrier wheel.

2,407,986
STITCH LENGTH ADJUSTING MECHANISM
Carl W. Johnson, Brooklyn, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey
Original application August 12, 1939, Serial No. 289,907. Divided and this application August 11, 1942, Serial No. 454,353
4 Claims. (Cl. 112—210)

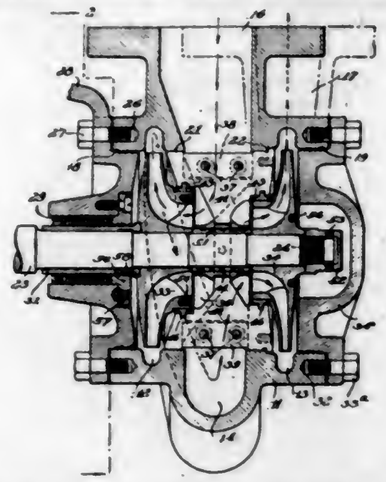


1. In a sewing machine, a work support, means for feeding work to be sewed along said support including a work feed bar, and mechanism for varying the amount of movement of said means, said mechanism comprising a lever associated with said bar, a second lever pivoted on said first-named lever, means for oscillating said second lever, a follower carried by said second lever, a slotted member normally engaging said follower, an adjusting rod secured to said member, adjusting means connected to said rod for setting the length of stitch to be made at a predetermined length, a manually operated device attached to said member for shifting said member to change the stitch from one length to another at the will of the operator while maintaining the adjustment of said adjusting means undisturbed, and means for automatically moving said device in the opposite direction to reset said member in its original adjusted position.

2,407,987
MULTISTAGE CENTRIFUGAL PUMP
Erik G. Landberg, Seneca Falls, N. Y., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y., a corporation of New York
Application April 3, 1942, Serial No. 437,574
3 Claims. (Cl. 103—109)

1. A multi-stage centrifugal pump comprising, in combination, a casing having a bore forming an interior wall which is continuous and unbroken in a direction about the axis of the bore, suction and discharge connections for said casing, a drive shaft extending through one end of said casing, a pair of impellers mounted on said shaft, a member forming a partition between said impellers, said member having a pair of openings each communicating with the inlet of one of said impellers, the margins of said openings registering with the casing in such manner as to determine the amount of liquid flowing to said impellers, means for releasably locking said member in said casing, said member being shiftable in said casing about the axis of said shaft to vary the amount of liquid flowing to said impellers, said casing having a normally closed opening at the end thereof opposite to that through which

the shaft extends and the minimum bore of said casing being at least greater than the diameter of said impellers and said member whereby said impellers and member may be withdrawn through



said opening in the casing, said casing and member having cooperating shoulders which are pressed against each other by the liquid pressures developed within the casing.

2,407,988

PROCESS FOR TREATING CELLULOSE MATTER WITH TERPENE DIHYDROCHLORIDE

Christopher Luckhaupt, Jamaica, N. Y., assignor to Luckite Processes, Inc., Delawanna, N. J., a corporation of New Jersey

No Drawing. Application February 14, 1942, Serial No. 430,944

1 Claim. (Cl. 117—143)

The method which comprises impregnating porous cellulosic material by immersing the same in a mixture of terpene dihydrochloride and cellulose acetate heated to a temperature at or above the melting temperature of the terpene dihydrochloride.

2,407,989

PROCESS FOR TREATING CELLULOSE MATTER WITH TEREBENE

Christopher Luckhaupt, Jamaica, N. Y., assignor to Luckite Processes, Inc., Delawanna, N. J., a corporation of New Jersey

No Drawing. Application February 17, 1942, Serial No. 431,288

1 Claim. (Cl. 117—143)

The process of treating cellulose material to render the same water and oil-resistant, which process comprises impregnating the same by immersion in a closed container in a bath of terebene and cellulose acetate heated to between 220° and 310° F.

2,407,990

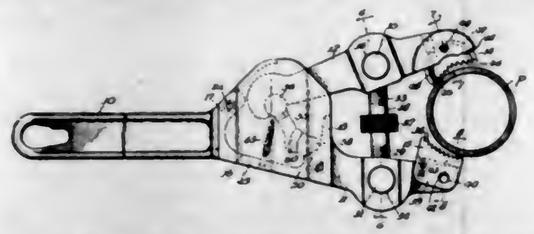
PIPE WRENCH

Benjamin L. Lurie, Chicago, Ill.

Application May 17, 1943, Serial No. 487,265

4 Claims. (Cl. 81—118)

1. A pipe wrench comprising a handle, an arm having one end thereof connected fixedly to one end of the handle, a laterally disposed jaw pivotally mounted on the outer end of the arm to swing to and from said arm and having on the outer portion thereof a concave pipe engaging face with transverse teeth thereacross, spring means for urging said jaw away from the arm, a second arm disposed in opposed relation with the first mentioned arm and having its outer end projecting a short distance beyond the outer end of said first mentioned jaw and provided with a longitudinal arcuate recess facing the jaw, a substantially semi-circular jaw seated and rotatably mounted in the recess and having exteriorly of said recess a reentrant V-shaped pipe engaging face with transverse teeth thereacross, an adjusting screw adapted to move the second arm to and from the first mentioned arm and having the ends thereof pivotally connected to the central portions of said arms, respectively, and means operative automatically in response to swinging of



the handle in a direction away from the second arm after application of the jaws to the pipe to move the second arm outwards away from the handle and also to swing or tilt said second arm in such direction as to cause the jaw thereon to move towards the jaw on the first mentioned arm, and embodying an angularly disposed toggle link having one end thereof pivotally connected to the inner end of said second arm and its other end in pivotal relation with said one end of the handle, and so arranged or inclined that said one end thereof extends away from the adjusting screw and its said other end extends towards the adjusting screw.

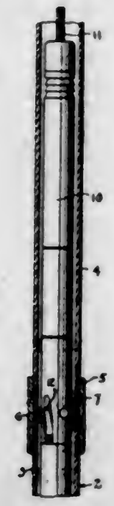
2,407,991

PIPE RELEASING DEVICE

Otis J. McCullough, Houston, Tex., assignor to McCullough Tool Company, Houston, Tex.

Application July 26, 1943, Serial No. 496,140

1 Claim. (Cl. 166—1)



Apparatus for use in well tubing within a well bore to facilitate unthreading of sections of well tubing at a joint formed by an internally threaded female coupling member surrounding and threadedly connected to externally threaded ends of tubing sections with the tubing section ends spaced from each other, comprising a housing arranged to be lowered into the well tubing and having an explosion chamber therein, a charge of explosive in said chamber, a plurality of pressure outlet ports in said housing extending from said chamber radially outward in a single substantially horizontal plane to discharge the products of detonation of the explosive in a plurality of substantially horizontally and radially directed jets, means on said housing arranged to contact the end of one of the tubing sections for positioning the housing with said outlet ports and the jets of explosive products directed at circumferentially spaced portions of the interior surface of said female coupling member between the spaced ends of the tubing sections, and means for detonating said explosive.

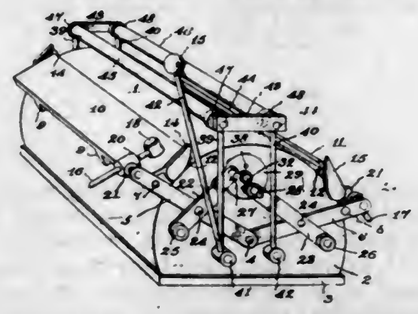
2,407,992

PLAN FOLDING MACHINE

Edwin C. McFarlane, Brooklyn, N. Y.

Application March 11, 1944, Serial No. 526,097

3 Claims. (Cl. 270—73)



1. A plan folding machine comprising: a folding platform, right hand and left hand creasing bars extending transversely of said platform and normally impelled into contact therewith, right hand and left hand folding bars arranged in parallel relation to one another and to the creasing bars, means for mounting said folding bars for conjoint movement back and forth over the platform in a direction normal to both the creasing and folding bars to alternately bring the left hand folding bar between the right hand creasing bar and the platform and the right hand folding bar between the left hand creasing bar and the platform, means for so moving said folding bars, cam members associated with the creasing bars, and rollers movable with the folding bars to lift the creasing bars from engagement with the platform and permit such folding bars to enter between, said creasing bars and the platform.

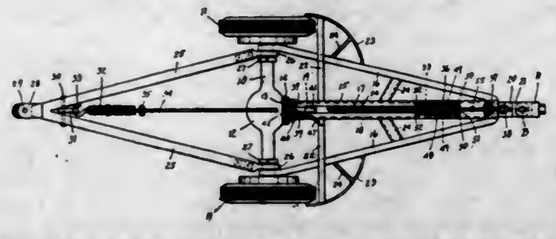
2,407,993

HOIST AND TRANSPORTING DEVICE

Halbert McKee, Nineveh, Ind., assignor of two-thirds to Hill Brothers Veneer Co., Edinburg, Ind., a copartnership comprised of Harry D. Hill, Howard T. Hill, and Jack H. Hill

Application June 19, 1944, Serial No. 540,915

11 Claims. (Cl. 214—65.3)



1. A load elevating and transporting device including a wheeled base, a drawbar projecting forwardly thereof and slidable thereon and arranged for tractive connection, a boom pivoted on the base and always directed rearwardly from the pivotal connection to the base, the free and rearward end of the boom being adapted for load support remote from the pivotal support, and a reeving structure operatively connected between the forward portion of the base, the free end of the boom and the forward portion of the slidable drawbar for raising and lowering of the rearwardly directed boom by extension and collapse of the drawbar upon the base.

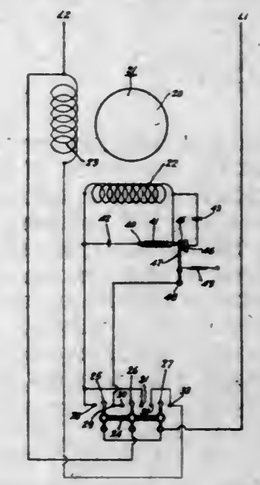
2,407,994

REVERSIBLE SINGLE-PHASE CAPACITOR MOTOR

William E. Menzies, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 16, 1943, Serial No. 506,467

4 Claims. (Cl. 172—279)



1. A control device for a reversible, single phase capacitor motor having a stator provided with starting and running windings adapted to be connected to power lines; a condenser in circuit with the starting winding; a starting switch movable from a neutral into one or another circuit closing position in which the motor windings are connected to the power lines for operating the motor in one or the other directions respectively; an electromagnetic control switch comprising an electromagnet winding, a condenser of low impedance connected in series with said electromagnet winding for stabilizing the control switch, both low impedance condenser and electromagnet winding being connected in parallel with the starting winding, said control switch comprising also a pair of normally closed contacts connected in series with said starting winding, the control switch being energized to open its contacts and maintain them open by voltage generated in the starting winding in response to the motor operation at a predetermined speed, the control switch being deenergized to permit its contacts to engage in response to the operation of the starting switch out of either of its circuit making positions.

2,407,995

METHOD OF PRODUCING FILLETS

Harris P. Moyer, Toledo, Ohio, assignor to The Aviation Corporation, New York, N. Y., a corporation of Delaware

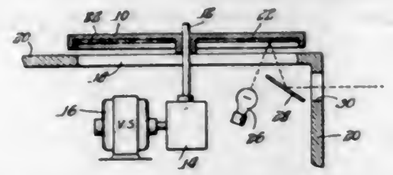
No Drawing. Application July 30, 1943, Serial No. 496,779

5 Claims. (Cl. 117—22)

1. That improvement in forming a fillet in an element of ferrous metal, which comprises: applying a suitable flux and an alloy containing from 82 to 90% copper, 10 to 18% manganese and having a melting point substantially over 1550° F.

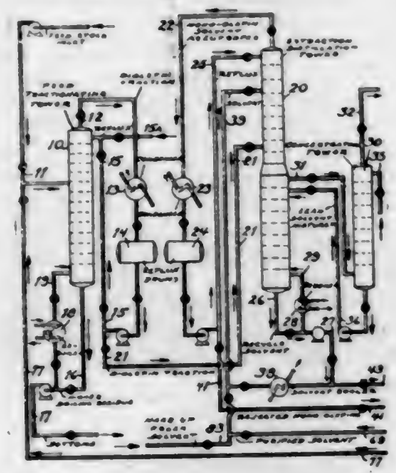
to the surface to be filleted, and melting the alloy on said surface in a constantly maintained reducing atmosphere to prevent oxidation and in such manner that said alloy will become alloyed with the ferrous metal and form the fillet.

2,407,996
STROBOSCOPIC APPARATUS FOR PHONOGRAPHS
William L. Nies, Wheaton, Ill.
Application February 7, 1945, Serial No. 576,630
4 Claims. (Cl. 88—14)



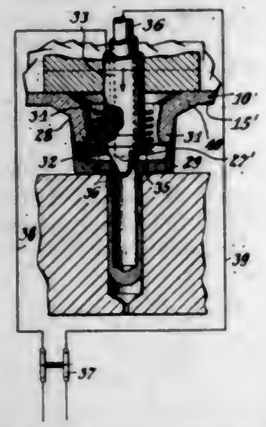
1. A stroboscopic apparatus for use in connection with regulating the speed of a phonograph, comprising in combination a turntable having a stroboscopic scale on its bottom face, housing means shielding said scale from the light of the room, and an electric lamp mounted within said housing in position to illuminate said scale to the exclusion of other light, a window in said housing, means reflecting the image of said scale for observation through said window, said lamp being adapted to be energized by alternating current of a frequency to cause the scale markings to appear to the eye to remain stationary when the scale is rotated at a predetermined selected speed.

2,407,997
SEPARATION AND PURIFICATION OF ISOPRENE
John A. Patterson, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 17, 1943, Serial No. 498,944
2 Claims. (Cl. 202—41)



1. A process for separating isoprene from a refinery cracked stock containing isoprene which comprises subjecting said refinery cracked stock to distillation in the presence of aqueous acetone to obtain an azeotropic mixture containing isoprene as distillate material, subjecting said distillate material to an extractive distillation in the presence of a solvent comprising acetone, separating a distillate fraction containing isoprene in high concentration and fractionally distilling the resultant material to obtain isoprene.

2,407,998
LAMP BASE
Henry K. Richardson, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 25, 1937, Serial No. 132,956
14 Claims. (Cl. 176—32)



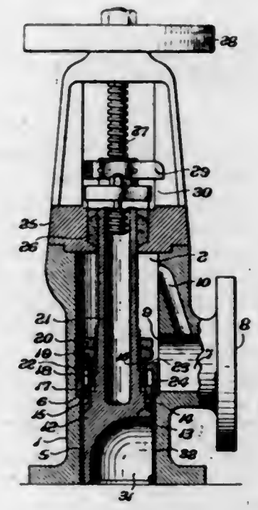
1. An electrical device comprising a glass vessel, an aperture leading from said vessel and defined by a hollow tapered boss extending from a wall thereof, and a metal contact member secured to said boss, said member comprising a hollow, cylindrical portion closed at its outer end, shouldered at its inner end, serving as the contact proper, and adapted to receive a lead-in wire from said vessel through said aperture, and an enlarged portion extending toward said vessel from said shouldered portion, the sides of said enlarged portion decreasing in thickness from said shouldered portion to a sharp edge, said enlarged portion flaring toward said vessel, fitting over said tapered boss and sealed only to the exterior thereof, the sharp edge of said enlarged portion engaging said wall which is continued outwardly therefrom at an angle to said contact member so as to effect a gas-tight seal.

2,407,999
VEHICLE DOOR LATCH
Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swiss Company, Toledo, Ohio, a corporation of Ohio
Application April 30, 1942, Serial No. 441,108
3 Claims. (Cl. 292—335)



1. In a device of the class described, an automobile door latch having a case plate, a selvage plate at one edge of said case plate, a spring tensioned latch bolt slidable over said case plate and projectable through said selvage plate when in latching position, a spring tensioned catch lever pivotally mounted on the inner side of said selvage plate and adapted to block movement of said latch bolt when in retracted position, and hold same from movement to latching position, a releasing arm on said catch lever projecting through said selvage plate, a male dovetail member on the outer side of said selvage plate into the inside of which said releasing arm extends, a female dovetail member with which said male dovetail member cooperates, an abutment on said female dovetail member engageable by said releasing arm for rocking said catch lever thereby to release said latch bolt, keeper means for said latch bolt associated with said female dovetail member and engageable by said latch bolt when the same is released by said catch lever.

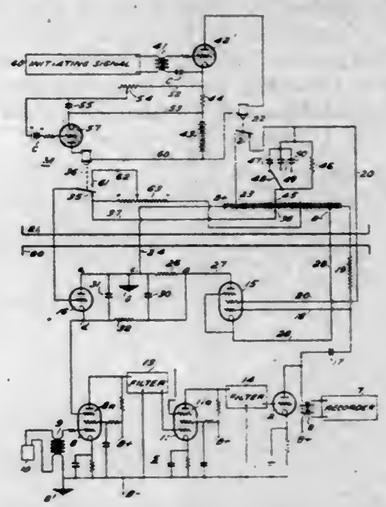
2,408,000
VALVE
Joseph F. Schiller, Drexel Hill, Pa., assignor to Schade Valve Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 23, 1944, Serial No. 527,778
9 Claims. (Cl. 277—29)



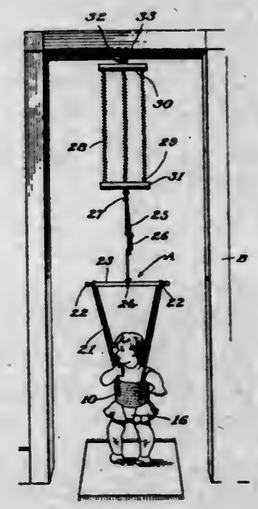
1. A valve comprising complementary body and closure members having complementary engaging sealing surfaces, and a shield for one of said sealing surfaces and movable relatively thereto for engagement of said sealing surfaces, and a seat for supporting said shield when said sealing surfaces are in engagement with one another, said closure member having an apertured portion shielding said seat when said sealing surfaces are disengaged from one another.

2,408,001
GAIN-CONTROL SYSTEM FOR SEISMIC AMPLIFIERS
Edwin J. Shimek and William B. Hemphill, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application April 14, 1945, Serial No. 588,350
9 Claims. (Cl. 177—352)

2. In a seismic prospecting system having means for producing electrical signals representative of seismic waves, an amplifier for said signals, and a recorder for recording said signals, the combination of an electric valve having an input circuit responsive to said signals and an output circuit including a load resistor, a filter having resistance and capacitance, a second electric valve in shunt with said filter to form a variable resistance, said second valve having a cathode, an anode and a control electrode, means including said filter for varying the bias between said cathode and said grid to change the resistance of said second valve so as to maintain constant the potential difference produced across that valve, and means for applying said potential difference to said amplifier to control the gain thereof.

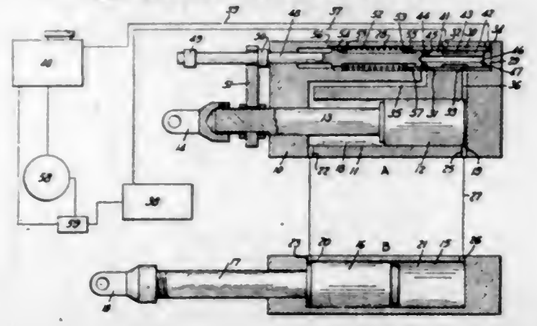


2,408,002
BABY JUMPER
Alfred J. Shurtliff, Pocatello, Idaho
Application January 29, 1944, Serial No. 520,295
2 Claims. (Cl. 155—20)



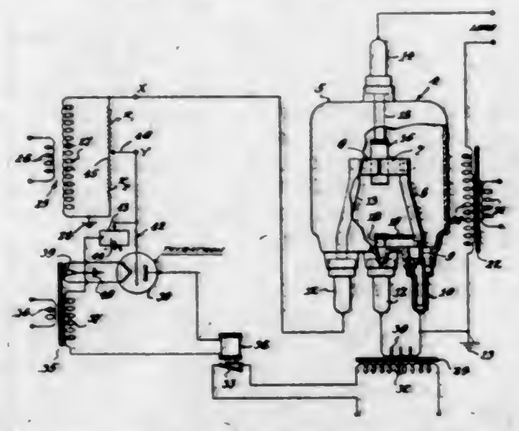
1. A device of the kind described, comprising a body harness having a broad adjustable body band, a crotch piece fixedly attached to the band in front and adjustably connected to the lowermost portion of said band at the back, looplike hangers connected to the uppermost portion of the band at each side thereof, a suspension bar with which said hangers are adapted to be engaged having knobbed ends thereon to retain said hangers on said bar, a jumper spring set-up means, comprising oppositely opposed upper and lower ring members having a plurality of spring members connected thereto in concentric arrangement, a plurality of hanger members connected to said upper member at points intermediate said spring members, said hanger members being connected at their upper end to a circular block having an eye at the medial point thereof for connection to a support at an elevated point, a second set of said hanger members connected to said lower ring member and said suspension bar.

2,408,003
LIQUID PRESSURE REMOTE CONTROL SYSTEM
John Keith Simpson, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application January 3, 1944, Serial No. 516,863
In Great Britain November 12, 1942
16 Claims. (Cl. 60—54.5)



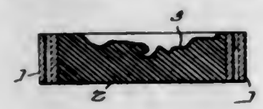
1. A liquid pressure remote control system of the type described comprising a transmitter unit including a cylinder having a piston therein, a source of liquid under pressure, a motor unit including a cylinder having a piston therein, means connecting the transmitter unit to the motor unit, said connecting means and the transmitter and motor units forming a normally closed hydraulic system, manual means for operating said transmitter to put said closed hydraulic system under pressure, and a valve for controlling the liquid source to said transmitter and motor units, said valve being responsive to the movement of the transmitter piston to at least one end of the transmitter cylinder to cause said valve to open to connect that end of the transmitter cylinder to said pressure source, whereby the stroke of the motor piston if not completed by the movement of the transmitter piston is completed by liquid pressure from said source.

2,408,004
CONSTANT VOLTAGE FIELD EMISSION ARC DISCHARGE DEVICE
Charles M. Slack, Glen Ridge, and Clarence E. Dawley and Andrew Pfeiffer, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1942, Serial No. 459,777
9 Claims. (Cl. 315—357)



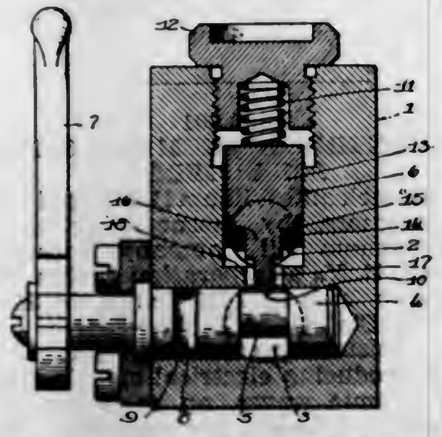
1. A discharge device wherein operation is initiated by field emission of electrons comprising a pair of oppositely disposed spaced electrodes between which a field emission arc discharge occurs upon the application of a potential thereto and subject to deterioration tending to increase the gap therebetween during operation, an anode positioned adjacent said pair of electrodes for supporting an electron discharge with one of the electrodes of said pair immediately following the field emission arc discharge between said pair of electrodes, and means automatically operable in response to the voltage across said pair of electrodes to cause controlled movement between the latter and maintain the spacing between said pair of electrodes substantially constant during the useful life of said device.

2,408,005
SHELL PATTERN AND METHOD OF CASTING THEREWITH
Abraham Slatis, Chicago, Ill.
Application June 10, 1943, Serial No. 490,344
3 Claims. (Cl. 22—196)



1. The method of casting articles having undercuts therein, which comprises forming a pair of flexible half-molds around a rigid pattern, separating said flexible half-molds from said rigid pattern, spray coating each of said flexible half-molds with metal, reenforcing the metallic shells thereby formed with a backing removable by heating, separating said shells from their respective flexible half-molds, tamping molding sand or the like against each of said shells to form a pair of casting molds, suspending the assemblies thereby formed with said shells below said casting molds, and heating said assemblies sufficiently to remove said backings, melt away said shells, and bake said casting molds.

2,408,006
HYDRAULIC VALVE CONSTRUCTION
Thomas B. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application December 17, 1943, Serial No. 514,645
5 Claims. (Cl. 251—27)

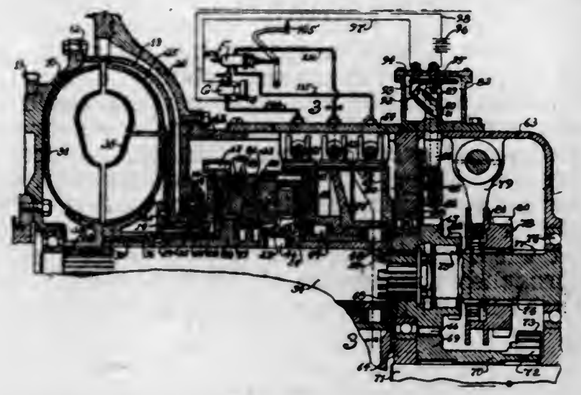


1. In a valve construction, a valve body having an inlet for hydraulic fluid under pressure and a flat valve seat provided with an outlet for passage of the fluid, a valve plunger longitudinally movable in the body and provided with a reduced part with a portion thereof conforming to and adapted to enter the outlet to substantially restrict the flow of fluid therethrough when the plunger is moved toward closed position, a resilient sealing ring carried by the plunger and provided with an annular flexible sealing lip adapted to contact and seal against the seat after the reduced part enters the outlet, a part encompassing the sealing ring and providing a stop adapted to engage the seat after the sealing lip contacts therewith and means for moving the plunger to operate the valve.

2,408,007
METHOD FOR RECOVERY OF LOW-TEMPERATURE POLYMERIZATION PRODUCTS
Robert M. Thomas, Union, and Donald C. Field, Linden, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application August 30, 1941, Serial No. 408,994
9 Claims. (Cl. 260—93)

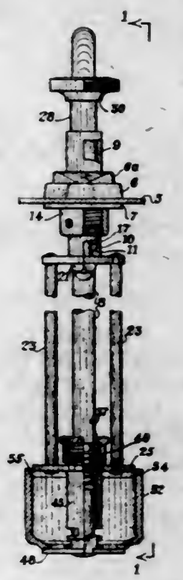
1. Process for preparing improved polymerization products comprising polymerizing at a temperature between —50° C. and —150° C. a mixture containing from 70 to 99 parts of isobutylene and from 30 to 1 parts of a conjugated diolefin of 4 to 8 carbon atoms per molecule in the presence of a catalyst solution of aluminum chloride dissolved in an inert solvent which is liquid at the reaction temperature to form a solid polymer product containing occluded catalyst therein, then bringing this solid polymer product without substantial rise in temperature into contact with a volatile hydrocarbon solvent containing an alcoholic catalyst quenching agent, thereby dissolving the said polymer in said solvent and destroying the activity of the said occluded catalyst, then washing the polymer solution to remove the aluminum compounds present therein.

2,408,008
HYDRODYNAMIC TRANSMISSION
William D. Tipton, Stoneleigh, Md.; Elizabeth B. Tipton executrix of said William D. Tipton, deceased
Application February 17, 1944, Serial No. 522,735
7 Claims. (Cl. 74—189.5)



1. In a fluid power transmission having a driving structure and a driven structure, a runner wheel carried by the driven structure; a second vaned wheel arranged in series relation with the runner wheel and adapted to act either as a runner wheel or as a guide wheel; a vaned impeller wheel arranged in series relation with the aforesaid wheels; differential gear means for coupling said second wheel and said impeller to the driving structure, said gear means being constructed and arranged such that the rotational speed of said second wheel and said impeller varies in accordance with the fluid reaction imposed on said second wheel as a consequence of torque demand on said driven structure; and means operably associated with said gear means for coupling said second wheel to said driven structure in response to equalization of torque demand on said runner and said second wheel.

2,408,009
FOUNTAIN PUMP
Thomas L. Titus, Cheyenne, Wyo., assignor to The Wyott Manufacturing Company, Cheyenne, Wyo., a corporation of Wyoming
Application September 24, 1945, Serial No. 618,229
7 Claims. (Cl. 103—163)

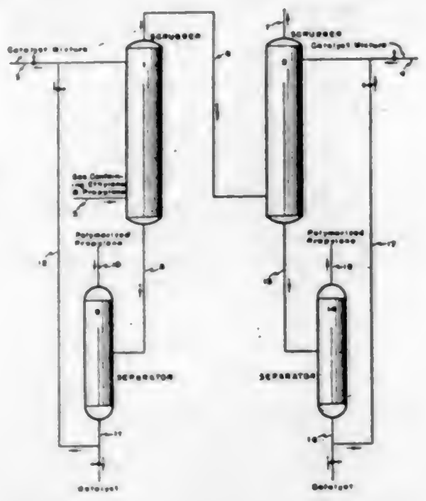


1. A liquid dispensing pump, in combination, a stay plate having an opening, an upwardly ranging discharge tube passing through the stay plate and rigidly attached thereto, a cupped cylinder connected with the lower end of the discharge tube for a limited free longitudinal and tilting movement, the bottom of the cylinder having an opening for the entrance of liquid, a cylinder seal plate for periodically closing the opening in the cylinder, connected with the lower end of the discharge tube for a limited longitudinal movement relative thereto, the seal plate having a member rigidly connected therewith provided with an upwardly facing valve surface, resilient means urging the valve surface against the lower end of the discharge tube to seal the entrance thereto, a piston, means comprising a member slidably connected with the stay plate for limited vertical movement, for reciprocating the piston within the cylinder, resilient means for normally holding the piston in elevated position adjacent the top of the cylinder, in unsealing relation thereto, and means for adjusting the extent of downward movement of the piston in the cylinder.

2,408,010
PURIFICATION OF ETHYLENE
Edward F. Wadley and Joseph T. Horeczy, Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application November 4, 1944, Serial No. 562,021
5 Claims. (Cl. 260—677)

1. A method for separating propylene from ethylene which comprises scrubbing a gas containing the two with a boron fluoride-sulfuric acid catalyst mixture under conditions suitable

for the selective polymerization of the propylene including a temperature between about 60° F. and

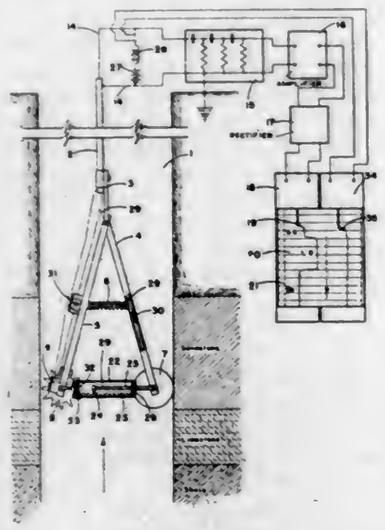


125° F. and a pressure not substantially in excess of about 150 lbs./sq. in.

2,408,011
METHOD FOR PREVENTING THE CORROSION OF DISTILLATION EQUIPMENT
David C. Walsh, Jr., and Elza Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 27, 1944, Serial No. 533,064
4 Claims. (Cl. 196—35)

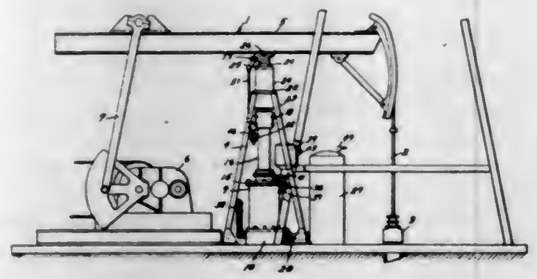
1. In the distillation of hydrocarbons which have been contacted with sulfuric acid, the step of adding to said hydrocarbons, immediately prior to their distillation, a small amount of an alkali metal salt of a phenol.

2,408,012
WELL LOGGING
Philip S. Williams, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 10, 1942, Serial No. 454,242
8 Claims. (Cl. 73—152)



1. A method of logging formations traversed by a bore hole, which comprises delivering sharp hammer-like blows directly against said formations along the wall of said bore hole, generating in the bore hole electrical impulses which are a function of the resistance of said formations to said blows, transmitting said electrical impulses to the surface, segregating high frequency components of said impulses, and recording them as a function of the resistance of said formations to said blows.

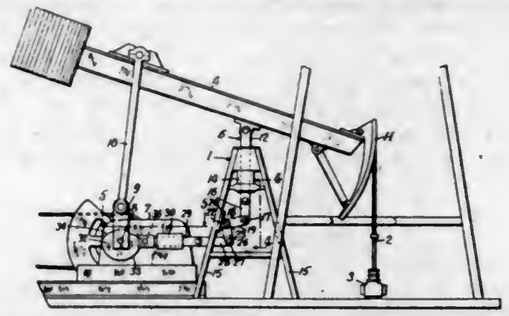
2,408,013
PUMPING APPARATUS
Wade H. Wineman, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application October 22, 1943, Serial No. 507,265
17 Claims. (Cl. 255—16)



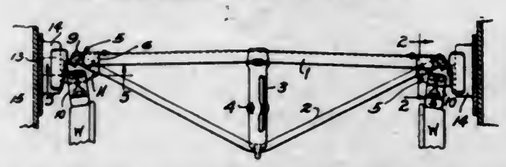
1. A yieldable supporting structure adapted for association with a well pumping apparatus of the kind embodying a walking beam, comprising, in combination, means adapted to yieldingly support the walking beam and including a cylinder containing a reciprocatory piston, means for supplying to the lower end of said cylinder a pressure fluid at a relatively high pressure, a vent opening into said cylinder at a point spaced from its upper end for connecting said cylinder to atmosphere, said piston moving upwardly on reduction of the load on the walking beam, covering said vent and compressing fluid within the upper portion of said cylinder, and a pump mechanism for delivering fluid from the upper to the lower end of said cylinder, said pump mechanism including relatively reciprocable cylinder and piston elements, means including an inlet valve for connecting said cylinder element in communication with the upper portion of said cylinder, means including a discharge valve for connecting said cylinder element in communication with the lower portion of said cylinder, and means for effecting relative reciprocation of said cylinder and piston elements in such a manner that the working space in said cylinder element approaches a maximum at the time fluid is compressed in the upper portion of said cylinder.

2,408,014
PUMPING APPARATUS
Wade H. Wineman, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application November 20, 1944, Serial No. 564,246
18 Claims. (Cl. 74—41)

1. In a pump actuating mechanism, in combination, a walking beam, power actuated means operatively connected to one end of said walking beam for swinging the latter, means for connecting the other end of said walking beam to a pump, adjustable means for pivotally supporting said walking beam between its ends, and power actuated means for adjusting said supporting means so that the pivotal axis of said walking beam moves in a vertical plane in a predetermined manner during swinging of said walking beam.

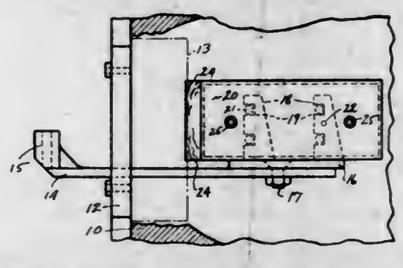


2,408,015
RAILWAY BRAKE BEAM
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application January 31, 1944, Serial No. 520,459
14 Claims. (Cl. 188—226)



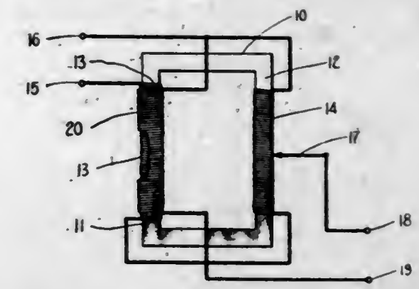
1. In a railway truss type brake beam having a compression member and a tension member converging at the end of the beam with the tension member extending diagonally through the end portion and beyond the end of the compression member, an end device having a pocket receiving the end portions of said members, a tensioning device on the tension member holding the same and the device and the compression member in assembled relation with each other and having a structure projecting beyond said pocket to form a seat for a brake head and extending longitudinally and transversely of the beam beyond said seat and arranged to slidably engage a support on an adjacent truck part.

2,408,016
OPEN-HEARTH FURNACE REPAIR UNIT
John J. Cain, Jr., Youngstown, Ohio
Application January 30, 1945, Serial No. 575,289
4 Claims. (Cl. 266—43)



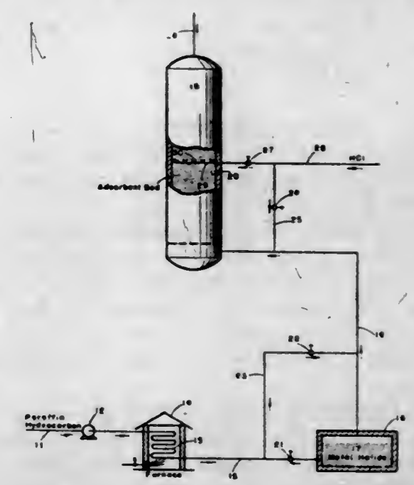
1. Mechanism for repairing an open hearth furnace wall and including a charging arm having a bracket pivoted to one end thereof, the said charging arm adapted for mounting on a conventional charging machine, means formed on said bracket for carrying a repair piece, said bracket so formed as to pivot the repair piece into upright position upon the charging arms being turned 90 degrees as by the charging machine.

2,408,017
ELECTRICAL CIRCUIT ARRANGEMENT
Harry Douglas Garretson, Whitestone, N. Y., assignor to Philips Metalix Corporation, New York, N. Y.
Application May 5, 1943, Serial No. 485,769
5 Claims. (Cl. 171—119)



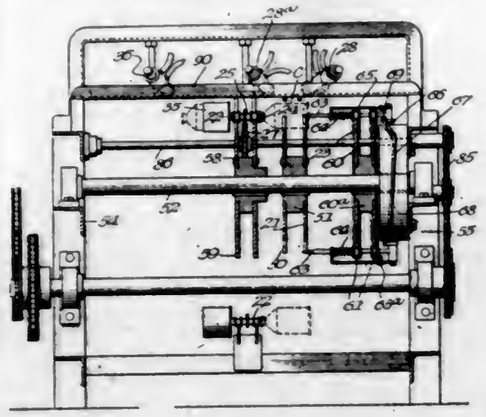
1. An electrical transformer comprising a magnetic core, two magnetically coupled windings on said core and so positioned with respect to each other that a substantial amount of leakage reactance exists between the windings, and a tertiary winding on said core tightly coupled magnetically to one of said two windings and connected in shunt with the other of said two windings.

2,408,018
ISOMERIZATION PROCESS
Otto Gerbes, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 23, 1944, Serial No. 564,809
3 Claims. (Cl. 260—683.5)



1. In a continuous isomerization process in which a normal paraffin of at least four carbon atoms per molecule in admixture with promotional amounts of hydrogen halide are contacted under isomerization reaction conditions with a catalyst bed comprising anhydrous aluminum halide adsorbed on a porous support, the steps of replacing, at intervals indicated by decreased activity of the catalyst bed, the hydrogen halide in the feed mixture with anhydrous aluminum halide without substantially altering conditions of operation, and introducing during said replacement hydrogen halide to the catalyst bed at a point where the aluminum halide vapors are substantially in equilibrium with aluminum halide adsorbed on the porous support, the replacement in each instance being of sufficient duration to effect a substantial restoration of the activity of the catalyst bed.

2,408,019
ARTICLE HANDLING APPARATUS
George Goebel, deceased, late of Baltimore, Md., by Helene Goebel, administratrix, Baltimore, Md., and Harry A. Rau, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application October 17, 1938, Serial No. 235,496. Divided and this application November 12, 1942, Serial No. 465,380
7 Claims. (Cl. 198—24)



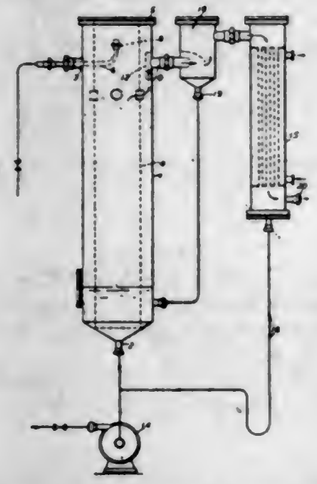
1. In combination, a conveyor, means extending laterally from said conveyor to support an article, a rotary article supporting members spaced laterally from said conveyor, a moving element positioned at the opposite side of said member from said conveyor, plungers reciprocable in said last-named element adapted to engage articles carried by said member, and means to reciprocate said plungers to engage an article carried by said article supporting member and move it into engagement with the article supporting means on said conveyor.

2,408,020
PYRIDINE-3-ACETIC ACID AND DERIVATIVES THEREOF AND PROCESS OF PREPARING THE SAME
Max Hartmann and Karl Miescher, Riehen, Hans Kaegi, Basel, and Werner Bosshard, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J.
No Drawing. Application March 9, 1942, Serial No. 434,006. In Switzerland December 23, 1940
7 Claims. (Cl. 260—295.5)

1. A process for the preparation of a pyridine-3-acetic acid, which comprises reacting a pyridine-2-carboxylic acid ester-3-carboxylic acid halide with diazomethane, reacting the resulting diazoketone with an alcohol, treating the reaction product thus obtained with a hydrolyzing agent, partially decarboxylating the resultant dicarboxylic acid, and recovering the resultant pyridine-3-acetic acid.

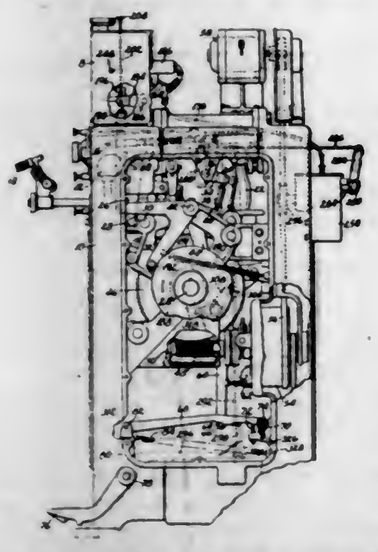
2,408,021
TREATMENT OF LIQUIDS
Ronald Arthur Hill, Wandsworth, London, England, assignor to The Aluminium Plant & Vessel Company Limited, London, England, a British company
Application February 16, 1945, Serial No. 578,173
In Great Britain January 17, 1944
3 Claims. (Cl. 261—112)

1. Apparatus for incorporating gas in liquid and for degasifying liquids containing gas comprising a closed treating vessel, a vertically disposed open-ended tubular member mounted within said vessel in spaced relation to the side walls thereof, means for supplying a liquid to be treated to the surface of said tubular member including an upwardly directed liquid flow conduit positioned with its discharge end in the upper portion of said tubular member, said tubular member having a series of perforations provided there-



in across which the liquid is caused to flow in the form of a thin film to effect continuous agitation of the liquid as it passes downwardly along the wall of said tubular member from the top to the bottom thereof, and a flat plate positioned above the upper portion of said tubular member to receive a stream of liquid from the upwardly directed conduit and cause said stream to spread and flow outwardly to the wall of the perforated tubular member.

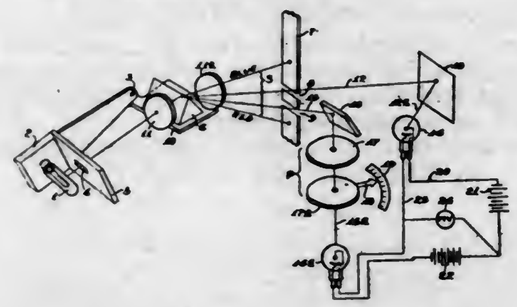
2,408,022
MACHINE FOR SHAPING UPPERS OVER LASTS
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 12, 1945, Serial No. 615,806
37 Claims. (Cl. 12—14)



1. In a machine for shaping uppers over lasts, upper-gripping means for gripping the margin of an upper on a last and for pulling the upper, fluid-operated means for closing said upper-gripping means on the upper, a pump for delivering operating fluid, means providing a constantly

open passage for the fluid from the pump to said fluid-operated means, a valve arranged to be opened by the fluid delivered by said pump and to permit normally such escape of the fluid as to prevent the development of sufficient fluid pressure to close the upper-gripping means on the upper, and means for causing such closure of the upper-gripping means by applying to said valve force tending to close it.

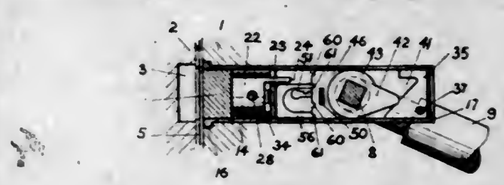
2,408,023
SPECTROPHOTOMETRIC SYSTEM
Andrew P. Kruper, Waterbury, Conn., assignor to Fisher Scientific Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 1, 1943, Serial No. 485,392
13 Claims. (Cl. 88—14)



1. In a spectrophotometric method, the combination of steps comprising passing a narrow wave length band of light as a sample beam to a sample and thence to a light-sensitive device the output of which is a flow of current related to light impinged on said device, passing another narrow wave length band of light as a comparison beam through a light-varying means comprising a polarizer and an analyzer formed of sheet material which does not effect complete polarization throughout the visible spectrum to a second light-sensitive device, and by adjustment of said light-varying means to regulate the proportion of said comparison beam passed by it balancing the outputs of said devices, said comparison and sample beams being separated spectrally between adjacent edges of said bands by at least the difference between the shortest wave length at which said polarizing material produces substantially complete polarization and the shortest wave length used for the sample beam during scanning of the sample, and said separation being not substantially greater than the difference between the longest wave length at which said material produces substantially complete polarization and the longest wave length used for said sample beam, and scanning said sample over at least that portion of the spectrum over which said light polarizing material does not effect complete polarization while maintaining said separation between the sample and comparison beams and while maintaining the comparison beam within the portion of the spectrum in which polarization is substantially complete.

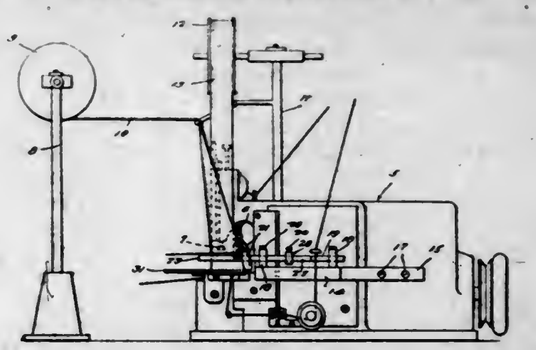
2,408,024
LOCKING MECHANISM
Sven Larsson, Ekeby, Almby, Sweden
Application January 15, 1945, Serial No. 572,942
In Sweden November 16, 1943
10 Claims. (Cl. 70—150)

1. A locking mechanism comprising a tubular lock casing mounted in a door; a bolt slidably mounted within the lock casing; a member connected to the bolt and extending into the lock casing; a spring adapted to retain the bolt in protruded position; a plate fixedly mounted on the inner end of the member extending into the lock casing and provided with a cam track, means for rigidly securing said plate in position against movement, a fixed bearing element intermediate



the bolt and the plate; a disk having an inwardly directed cam portion, the disk bearing on the fixed bearing member, the cam portion of the disk being in actuating engagement with the cam track, a spindle extending into the casing and operatively connected to the disk, and a handle mounted on the spindle.

2,408,025
SEWING MACHINE ATTACHMENT
Charles W. Martin, Chattanooga, Tenn.
Application June 7, 1944, Serial No. 539,090
6 Claims. (Cl. 112—147)

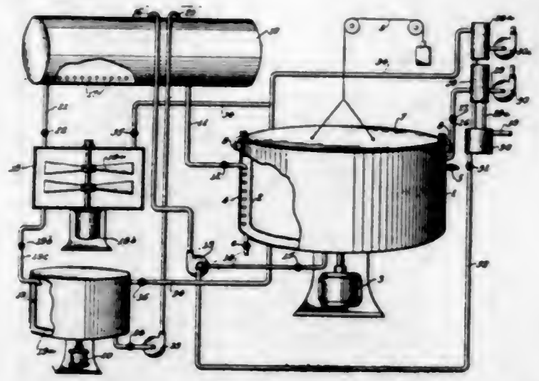


2. A sewing machine attachment of the character described comprising a cross bar having a pair of transverse openings therethrough, an elongated U-shaped strip folding rod having its legs slidably disposed through said openings, and set screws threaded through said bar impinging the legs of said folding rod, a reinforcing strip guide bar interposed between the legs of said folding rod and having a longitudinally slotted end portion disposed between the inner portions of the legs of said folding rod for reception of a reinforcing strip for the strip of material folded by said folding rod, and a set screw threaded through the bar in position to impinge the guide bar, said folding rod and said guide bar being longitudinally adjustable through the bar relative to each other to accommodate strips of varying widths.

2,408,026
PROCESS FOR TREATING SYNTHETICALLY SHAPED PROTEIN BASE MATERIALS
Francis Clarke Atwood, Newton, Mass., assignor, by mesne assignments, to National Dairy Products Corporation, New York, N. Y., a corporation of Delaware
Application January 23, 1942, Serial No. 427,940
4 Claims. (Cl. 8—127.6)

1. A method of improving the dyeing properties of a synthetic protein-base material formed by shaping an alkali-soluble acid-coagulable protein comprising casein and treating it with formaldehyde, which comprises subjecting said protein-base material to a treating liquid at a tem-

perature above 150° F., said treating liquid comprising an inert diluent in which is dissolved from



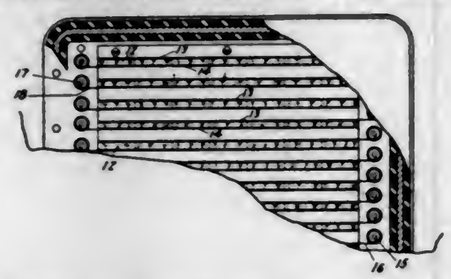
3 to 50% of the anhydride of a carboxylic acid in admixture with 1 to 10 parts of a free carboxylic acid for each 10 parts of the anhydride.

2,408,027
METHOD OF TREATING SYNTHETIC PROTEINACEOUS FIBERS
Francis Clarke Atwood, Newton, Mass., assignor to National Dairy Products Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 11, 1943, Serial No. 513,952
2 Claims. (Cl. 8—127.6)

1. A process of treating a synthetically formed protein-base fiber produced by shaping into fiber form an alkali-soluble acid-coagulable protein comprising casein and treating it with formaldehyde, which process comprises treating said fiber while having a moisture content of about 3 to 6% in a treating liquid at a temperature within the range of 150° to 225° F., said treating liquid comprising an organic solvent inert with reference to the fiber and the ingredients contained in the liquid and containing about 5 to 15% acetic anhydride and about 5 to 7% of acetic acid, the temperature and the amount of acetic anhydride within the above ranges being selected with reference to each other and to the fiber being treated so as to impart more desirable chemical properties to the fiber without undue yellowing thereof, and removing the fiber from the treating liquid having absorbed therein substantially the amount of acetic acid formed by reaction of the moisture in the fiber with the acetic anhydride in the treating liquid as a result of the specified moisture content of the fiber and the acid content of the bath.

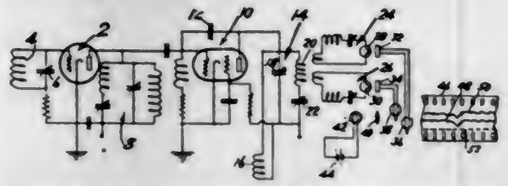
2,408,028
MEANS FOR SENDING AND RECEIVING COMPRESSIONAL WAVES
Laurence Batchelder, Cambridge, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application January 19, 1934, Serial No. 707,284
7 Claims. (Cl. 177—386)

1. In a means for sending or receiving a beam of compressional waves of a chosen high frequency in a desired direction, a transmitter comprising a plurality of rows of oscillatory crystals including oscillatory surfaces having long and short dimensions, means spacing apart said rows and insulating them from each other, said crystals presenting oscillatory surfaces having their long dimension aligned in the direction of the row and their short dimension transverse thereof, said rows being spaced apart a distance slightly less than a half wave length of the compressional



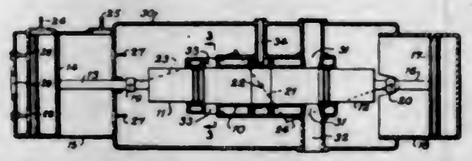
wave desired to be received and having a width smaller than the half wave length.

2,408,029
ELECTRICAL PROSPECTING APPARATUS
Charles B. Bazzoni, Wallingford, Pa., and John W. Millington, Beaumont, Tex., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application July 6, 1940, Serial No. 344,192
3 Claims. (Cl. 175—182)



2. Means for determining the location and character of strata penetrated by a bore hole comprising a circuit including a coil, a condenser in parallel with the coil, and also in parallel therewith a circuit branch including a second coil and second condenser in series, one of said coils being an exploratory coil movable along said bore hole, and means for establishing through said circuit and exploratory coil in the strata adjacent the bore hole a high frequency alternating current.

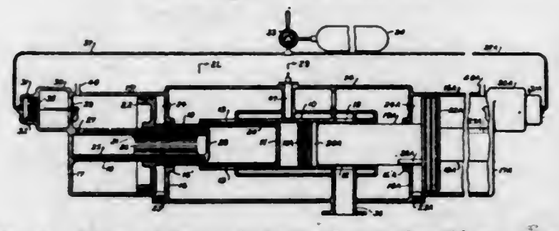
2,408,030
TWO-STROKE PISTON-CONTROLLED ENGINE
Evelyn Stewart Lansdowne Beale, Staines, England, assignor to Alan Muntz & Company Limited, Hounslow, England, a British company
Application June 30, 1942, Serial No. 449,078
In Great Britain June 26, 1941
8 Claims. (Cl. 123—51)



1. A two-stroke compression-ignition internal-combustion engine of the kind having a working cylinder, opposed pistons in said cylinder which is provided with scavenge ports and exhaust ports controlled respectively by said pistons, said scavenge ports being shaped to give a swirl to the charge admitted by them, synchronizing linkage connecting said pistons together for constraining them to move equally and oppositely, a reciprocating compressor having a compressor piston connected to one of said working pistons for reciprocation in unison therewith through strokes which vary with variation in working conditions so as to vary the outer dead points of said working pistons and in consequence the

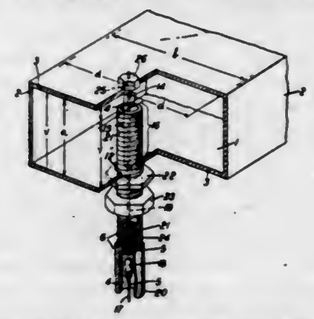
maximum depth of port opening of said scavenge ports, wherein said scavenge ports are so shaped that the mean direction of the charge fluid flowing through any one of said scavenge ports is nearer to the radial direction from the axis of said working cylinder at small port openings than at large port openings.

2,408,031
FREE PISTON INTERNAL-COMBUSTION ENGINE
Evelyn Stewart Lansdowne Beale, Staines, England, assignor to Alan Muntz & Company Limited, Hounslow, England, a company of Great Britain
Application February 16, 1943, Serial No. 476,041
In Great Britain February 2, 1942
14 Claims. (Cl. 123—46)



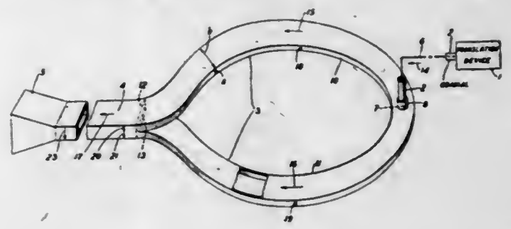
9. A free-piston internal-combustion engine having a power cylinder, a cushion cylinder coaxial with and having a diameter larger than that of said power cylinder, a cover closing the end of said cushion cylinder farther from said power cylinder, a hollow cylindrical guide extending coaxially within said cushion cylinder from said cover and provided with a jacket for a cooling fluid, said guide having an inner end wall provided with an orifice and said guide having a restricted passage opening out of the outer part of the space within it and leading to the outer part of said cushion cylinder, a free-piston assembly including a power piston co-operating with said power cylinder, an annular cushion piston co-operating with said cushion cylinder and said guide, and a sleeve rigidly connecting said pistons together, the space between said annular piston and said cover constituting a first cushion compartment and the space contained by said guide, said sleeve and said power piston constituting a second cushion compartment, said orifice being placed to direct a jet of gas on the under side of the head of said power piston, and means for admitting a charge of starting air under pressure to said first compartment.

2,408,032
COUPLING ARRANGEMENT
Alfred C. Beck, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 3, 1942, Serial No. 429,358
9 Claims. (Cl. 178—44)



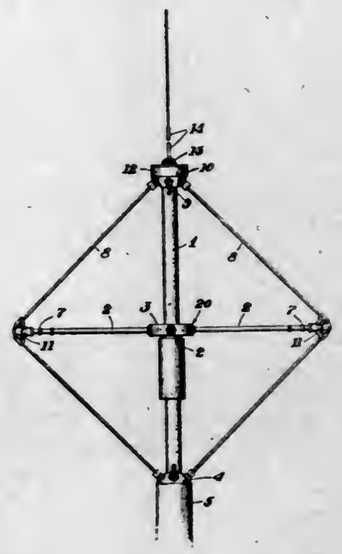
3. In combination, a wave guide, a coaxial line comprising a pair of conductors projecting transversely into the interior of said guide unequally and for a distance greater than one-half of a transverse dimension of said guide.

2,408,033
COUPLING SYSTEM
Alfred C. Beck, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 17, 1942, Serial No. 435,016
4 Claims. (Cl. 178—44)



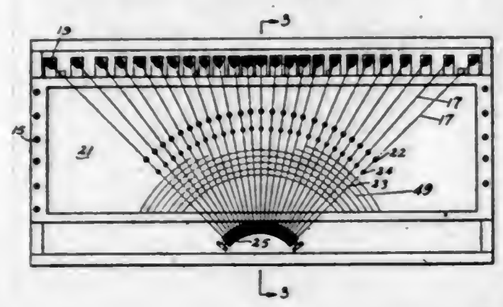
1. A dielectric channel-transmission line coupling device comprising a rectangular wave-guide section for conveying wave components polarized in the plane of one transverse dimension, said section being looped or curved in the plane of the other transverse dimension and having superimposed apertures, the section being connected at its mid-point to said line and at its super-imposed apertures to said channel.

2,408,034
DIRECTION FINDER ANTENNA
David Bellare, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 14, 1945, Serial No. 593,604
8 Claims. (Cl. 250—33)



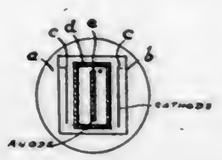
1. A wave collector comprising a vertical supporting member, a pair of antenna loops positioned substantially at right angles to each other and having the common axis thereof in common with the vertical axis of said member, a plurality of arms extending radially of said member at a location within the area of said loops, a vertical sensing antenna extending upwardly from said member from a point adjacent said arms, and means for coupling said arms as a counterpoise to said sensing antenna.

2,408,035
OBSERVATION SYSTEM
Hugo Benioff, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application October 22, 1941, Serial No. 416,111. Divided and this application October 9, 1942, Serial No. 461,642
4 Claims. (Cl. 234—64)

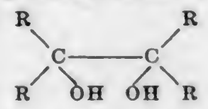


1. In a system for surveying an area with the use of compressional waves, an exhibiting device for use therewith comprising a casing having an exhibiting surface, a plurality of flexible wires having each a recording bead carried thereon, means for drawing said beads by means of said wires over said exhibiting surface, and means completing an electrical circuit through said wires and said beads across said exhibiting surface.

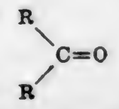
2,408,036
ELECTROLYTIC PINACOL PRODUCTION
Charles R. Boettger, Jr., Roselle, Thomas S. Chambers, Newark, and Ober C. Slotterbeck, Rahway, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 11, 1942, Serial No. 450,518
6 Claims. (Cl. 204—77)



1. In the process of producing glycols corresponding to the genefal formula

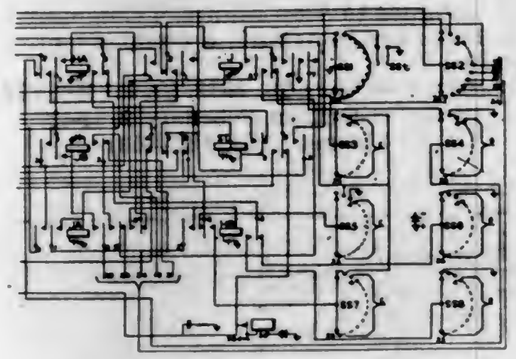


wherein R stands for a member of the group consisting of alkyl and aryl radicals and substituted alkyl and aryl radicals by the electrolytic reduction of an aqueous acid solution of a ketone of the formula



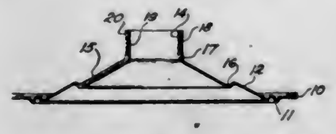
wherein R stands for a member of the group consisting of alkyl and aryl radicals and alkyl and aryl radicals substituted by a group which is not reducible under the reaction conditions employed the improvement which comprises effecting said reduction in a diaphragm cell in contact with a cathode consisting of from 60 to 80% of copper and 40 to 20% of lead at a temperature below about 25° C. and at a current density of between about 0.1 and about 4 amperes per sq. dm.

2,408,037
ELECTRICAL REMOTE INDICATING AND SUPERVISORY SYSTEM
Edward Albert Henry Bowsher, Harold Mountjoy Muschamp d'Assis-Fonseca, and Hugh Jennings Ward, London W. C. 2, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 10, 1943, Serial No. 478,680
In Great Britain March 12, 1942
4 Claims. (Cl. 177—353)



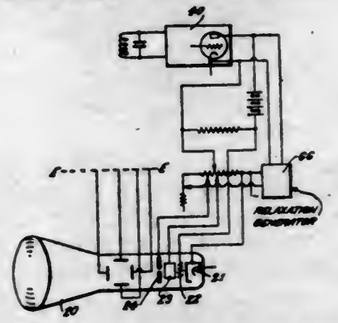
1. A substation sender adapted to be operated in a remote control system, under the control of an electrical signal, for sending a report from a substation to a central station of the condition of a plurality of apparatus units at the substation, comprising a circuit line to the central station, relay means for each unit for producing an impulse of a polarity corresponding to the actual condition of the unit, sequence switch means under the control of said signal, including two wipers sweeping corresponding banks of contacts, for connecting said relay means consecutively with said circuit line to produce a corresponding train of impulses, a sending relay connected to each wiper, said relay means including a set of change-over contacts controlled by the apparatus unit and controlling said sending relays to operate said sending relays alternatively in accordance with said set of changeover contacts completing one circuit or the other through the banks swept by the wipers, the set of change-over contacts being connected with a pair of condensers so that on the occurrence of a unit change-over, one condenser is newly charged and the other is left charged, and means, operated by the charge on the condenser which is left charged, for lengthening the corresponding impulse upon the next sweep of the wipers.

2,408,038
ARTICLE MADE OF FIBROUS MATERIAL
Joseph B. Brennan, Euclid, Ohio
Application December 10, 1941, Serial No. 422,388
2 Claims. (Cl. 181—32)



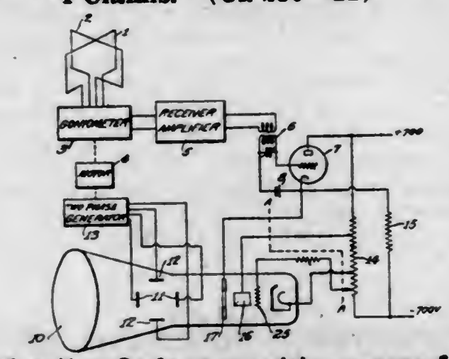
1. A hollow acoustic diaphragm comprising an integral deposit of fibrous material and a binder and having a conical portion and a supporting rim portion, the supporting rim portion being formed integrally with the conical portion and having a thickness several times as great as the major portion of the conical portion.

2,408,039
ELECTRONIC ROTATION DIRECTION FINDER
Henri G. Busignies, Forest Hills, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 5, 1941, Serial No. 381,840
3 Claims. (Cl. 250—11)



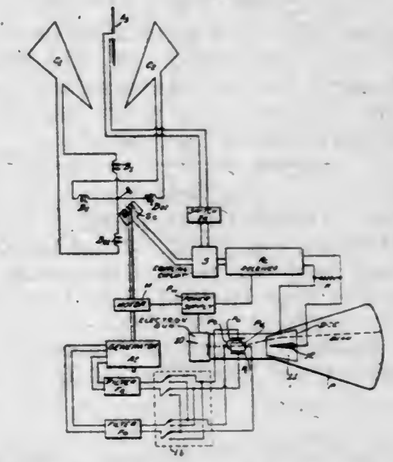
1. A direction finder comprising an aerial system means for producing an effective rotation of said aerial system to produce an indicating voltage dependent upon the effective angular position of said aerial system with respect to a source of radiation, a cathode ray tube indicator having an electrode system for producing a cathode ray beam, means for producing a rotation of said cathode ray beam in timed relation with effective rotation of said aerial system, means comprising a saw-tooth oscillation generator having a period equal to a predetermined number of rotations of said beam for causing a velocity modulation of said beam to produce a lateral deviation of said beam, and means comprising an electrode controlled by said indicating voltage for controlling the intensity of said beam for applying said indicating voltage to said cathode ray tube to obtain a direction indication.

2,408,040
DISTORTING DIRECTION FINDER RECEIVER
Henri G. Busignies, Forest Hills, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 6, 1941, Serial No. 381,936
4 Claims. (Cl. 250—11)



1. A direction finder comprising means for producing an effective rotation of a directive receiving antenna to produce a wave pattern envelope dependent upon the speed of rotation, a cathode ray indicator comprising means for producing an electron beam, means for rotating said beam in predetermined time relation with the effective rotation of said antenna, means for applying signals of said envelope to said indicator during substantially the entire time of each rotation of said beam to produce radial displacement of the electron beam during rotation, and means for accelerating said radial displacement with envelope amplitude changes, comprising an electron tube having a sharply rising output with change in input voltage, said tube being conductive for substantially all values of input voltage, means for coupling said effectively rotated antenna to the input of said tube, and coupling means for coupling the output of said tube to said indicator to produce said radial displacement.

2,408,041
INSTANTANEOUS VISUAL DIRECTION FINDER
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone & Radio Corporation, a corporation of Delaware
Application May 22, 1941, Serial No. 394,645
2 Claims. (Cl. 250—11)

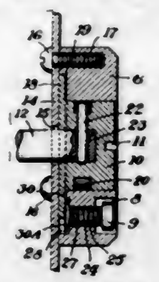


1. A direction indicating arrangement including cathode ray tube, comprising an electron gun for producing a cathode ray beam, deflecting means for producing a rotation of said electron beam, and a pair of radial deflection electrodes arranged in the path of said beam, one of said electrodes being of hollow frusto-conical shape and the other electrode being of substantially conical shape so that the said cathode ray beam while rotating passes through the annular space between said electrodes receiver means including effectively rotating directional antenna means and means for detecting signals received by said antenna means, and means for applying a potential proportional to said detected signals between said radial deflection electrodes, whereby said beam may be deflected over the screen of said cathode ray tube to produce a relatively sharp visual direction indication thereon.

2,408,042
DIAL
Seth E. Butler, Union City, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application June 18, 1943, Serial No. 491,406
6 Claims. (Cl. 116—124.2)

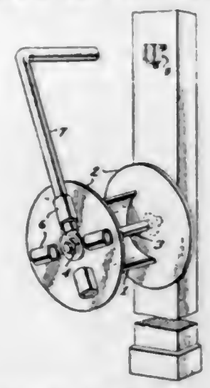
5. A dial assembly comprising a substantially cylindrical dial body having a scale on the face thereof and a relatively large cylindrically-shaped central opening, a substantially cylindrical hub rotatably positioned in said opening, a pointer on said hub for association with said scale, means for permitting actuation of said hub, a panel having an opening therein, screw means securing said body to said panel so that the opening in said body is coaxial with the opening in said panel, a shaft secured to said hub and passing through the opening in said panel, a flange on said hub, within said body, and having one face thereof adjacent said panel, a ring-shaped washer of resilient material adjacent the opposite face of said flange from said panel, said body having a

threaded second opening parallel to said first mentioned opening, a screw receivable in said threaded opening, a tab portion forming an extension of said ring-shaped washer and positioned axially of said screw, whereby selective



movement of said screw will cause the end thereof to contact the tab portion of said ring-shaped washer, thereby causing said washer to be forced against said flange to compress said flange between said washer and said panel.

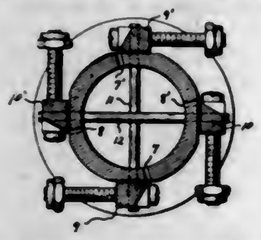
2,408,043
FIRE HOSE REEL
Conlonel Charles Calabrese, Webster Groves, Mo., and John Sublett Herold, Greenwich, Conn.
Application May 15, 1944, Serial No. 535,628
1 Claim. (Cl. 242—86)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A reel comprising a spindle fixed in a horizontal position to a vertical support, a hub journalled on said spindle, said hub consisting of a pair of spaced plates joined by a transversely extending concavo-convex member, concentric with the spindle, a socket fixed to one of said plates and radially with respect to the axis of the spindle, a handle detachably inserted in said socket to effect rotation of the hub about its spindle, said handle having a lateral extension adapted when the handle is rotated about its longitudinal axis to extend transversely of the reel, means associated with the reel and fastened to said support for engaging the terminal end of the handle when positioned transversely of the reel, said terminal end of said handle being disposed in engagement with said last named means by lifting it radially with respect to the spindle and being maintained in engagement with said last named means by gravity, whereupon rotation of the reel will be prevented.

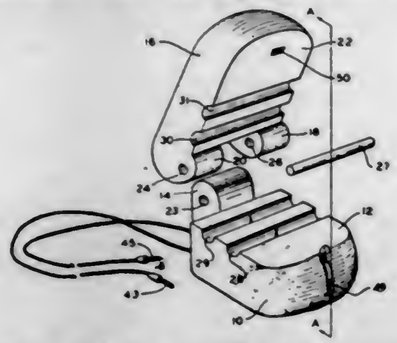
2,408,044
ERECTION DEVICE FOR GYROSCOPES
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 6, 1941, Serial No. 405,607
11 Claims. (Cl. 74—5)

2. In a gyroscopic instrument, a rotor frame, a gimbal on which said frame is pivotally mounted with the frame and gimbal axes arranged in mutually perpendicular relation, and means responsive only to tilt of the frame about the frame axis and operable to exert a torque having two com-
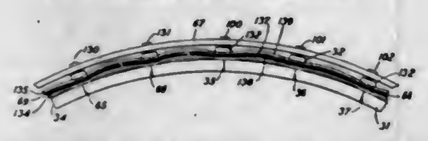


ponents, one of which is exerted about the gimbal axis and the other of which is exerted about the axis of the frame in a direction that the same counteracts the effect of friction in the bearings of the instrument about such axis.

2,408,045
LINE CONNECTOR
Turner R. Cottrell, Neptune, N. J.
Application January 4, 1945, Serial No. 571,341
1 Claim. (Cl. 173—340)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



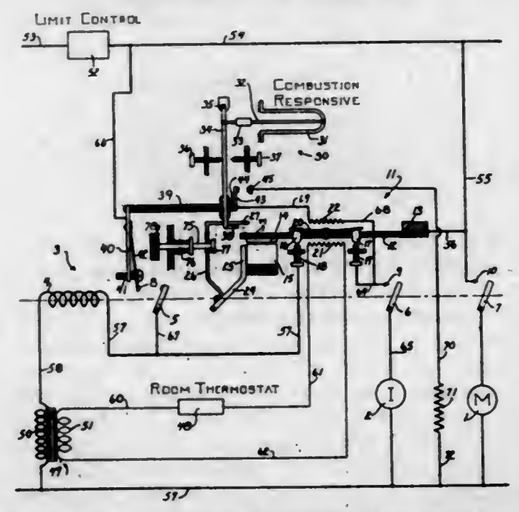
An electrical line connector comprising two hinged-together jaws made of insulating material, each of said jaws having a flat surface engaging with the corresponding flat surface of the other jaw when said jaws are in closed position, two spaced, parallel semi-cylindrical grooves recessed in the body of each jaw with the axes of said grooves lying substantially in the plane of said surface, and said groove axes being parallel to the hinge axis of said connector, a removable contact pin radially disposed in each groove of one jaw with the tip of said pin terminating substantially at the axis of its groove, electrical terminals protruding from said jaw, each of said terminals being electrically connected to the respective pin, and a snap spring latch for holding said connector in closed position.

2,408,046
ELECTRICAL RESISTANCE UNIT
Howard L. Coyne, Rockville Centre, N. Y., John J. Kuhn, Elizabeth, N. J., and John E. Ross, Corona, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 21, 1943, Serial No. 507,146
11 Claims. (Cl. 201—63)



1. An electrical resistance device comprising a drum type support, a resistance element bent to follow the curve of said support, a hoop concentric with said support and pressure developing means supported by said hoop and at spaced points on said hoop and cooperating with said hoop to exert pressure on said resistance element to hold said resistance element on said support at required spaced points on said support.

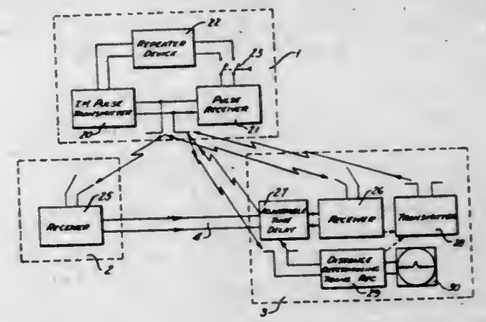
2,408,047
BURNER CONTROL APPARATUS
Lewis L. Cunningham, Glendale, Calif., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 20, 1941, Serial No. 398,923
23 Claims. (Cl. 158—28)



1. In a burner control system, the combination of, control means responsive to the demand for heat for starting and stopping the burner, starting means movable from an inoperative position to a starting position, means normally preventing the burner from starting when the starting means is in said inoperative position and providing for starting of the burner when the starting means is in starting position, said starting means moving to inoperative position irrespective of combustion after starting of the burner, running means including combustion responsive means and a movable member operated thereby, said movable member being moved to running position only upon presence of combustion and serving to maintain the burner in operation independently of said starting means and under the control of said heat demand responsive means, and means responsive to failure of combustion for preventing return of the starting means to starting position irrespective of said heat demand responsive means.

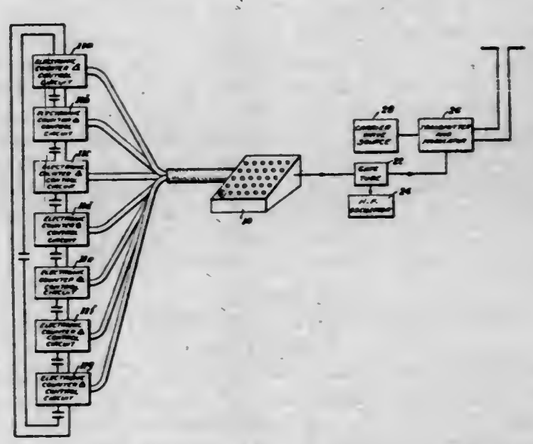
2,408,048
RADIO DIRECTION METHOD AND SYSTEM
Edmond M. Deloraine and Emile Labin, New York, N. Y., assignors to Federal Telephone and Radio Corporation, a corporation of Delaware
Application August 28, 1942, Serial No. 456,499
8 Claims. (Cl. 250—1)

1. The method of directing a craft along a given course, the craft being equipped with short wave carrier time modulated pulse transmitter and receiver equipment, and being directed by fixed radio installations of the time modulated pulse type, comprising transmitting time modulated pulses from said pulse transmitter equipment on said craft to said fixed installations to request an indication of course position, transmitting further pulses from said same pulse transmitter equipment on said craft, receiving said transmitted pulses at predetermined fixed points spaced apart at least twenty-five wavelengths at said carrier frequency, obtaining a differential of the time of receiving the first received component



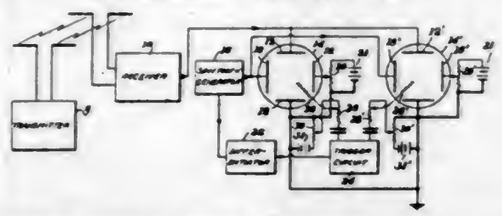
of said received pulses to determine the course position of said craft, transmitting information of said course position by time modulated pulses, and receiving said pulses on said craft whereby an accurate indication of the position of said craft relative to a desired course is obtained.

2,408,049
INTELLIGENCE TRANSMISSION SYSTEM
Louis A. de Rosa, West Brighton, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application June 18, 1943, Serial No. 491,288
16 Claims. (Cl. 178—30)



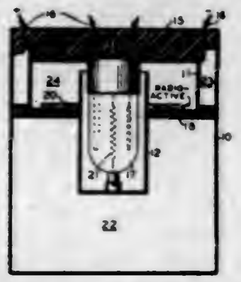
5. An intelligence transmission system utilizing pulses so related that the configurations of characters transmitted by the pulses are represented by selections therefrom arranged in successive bands, the combination of a master electronic counter circuit comprising a plurality of sequentially firing gaseous discharge tubes, said master electronic counter circuit being divided into a plurality of serially connected sub-counter circuits corresponding to the number of bands for forming the characters, and each sub-counter circuit containing a number of gaseous discharge tubes corresponding to the assigned number of pulses for each band, means deriving pulses from each gaseous discharge tube, means for transmitting pulses, means for starting and stopping said master electronic counter circuit, and controllable switch means interconnecting said pulse-deriving means to said pulse transmitting means to apply sequentially timed pulses thereto in accordance with the shape of a desired character.

2,408,050
METHOD OF AND MEANS FOR VISUALLY REPRODUCING SIGNALS
Louis A. de Rosa, West Brighton, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 1, 1943, Serial No. 508,596
18 Claims. (Cl. 178—6.5)



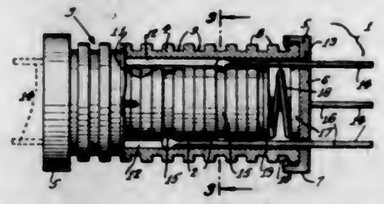
1. Stereoscopic receiving system comprising, in combination, a pair of cathode ray oscilloscopes spaced apart with their screens lying in a common plane, common stereoscopic means for simultaneously viewing the two screens, each of said cathode ray oscilloscopes having two pairs of deflecting plates, one pair positioned at right angles to the other and a control grid, a receiver, means impressing signals from said receiver simultaneously across one pair of plates of each cathode ray oscilloscope, a sweep generator, means for simultaneously impressing the output of said sweep generator across the other pair of plates of each cathode ray oscilloscope, a trigger circuit having a pair of alternatively energizable outputs, means connecting the grid of one cathode ray oscilloscope to one of said outputs and the grid of the other cathode ray oscilloscope to the other of said outputs, differentiating means connected between the output of said sweep generator and the input of said trigger circuit for applying to the latter spaced pulses of opposite polarity, whereby said grids will be alternatively energized in accordance with the spacing between said pulses, and means for laterally displacing the signal on the screen of one oscilloscope relatively to the other to such an extent as to produce a stereoscopic image when seen through said common viewing means.

2,408,051
FIRE AND SMOKE DETECTOR AND THE LIKE
Khatchik O. Donelian, New York, N. Y., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Application April 4, 1942, Serial No. 437,615
13 Claims. (Cl. 177—311)



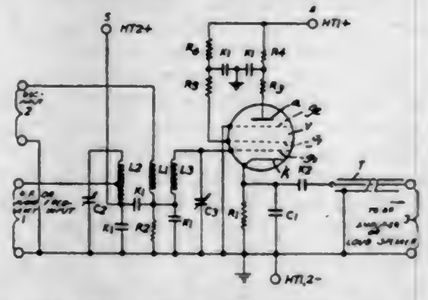
6. A detector unit for fire alarm systems comprising at least three spaced electrodes defining adjacent spaces exposed to combustion products from a fire in the space to be protected, the said product including either ionized molecules or solid particles in suspension in the form of smoke, or both ionized molecules and smoke particles, a source of potential connected to said electrodes, means for ionizing the air in the space between two of said electrodes, and means so co-acting with said electrodes as to detect jointly and severally by electroconductive effects smoke particles in suspension in the ionized air between two of said electrodes and ionized molecules in the air in another of said adjacent spaces between two of said electrodes.

2,408,052
RECTIFIER STACK MOUNTING CONSTRUCTION
Max Enderlin, Madison, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 22, 1944, Serial No. 536,690
4 Claims. (Cl. 175—366)



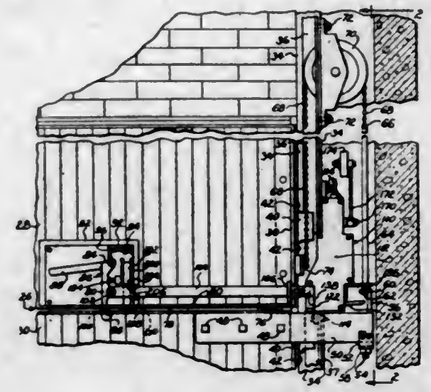
1. A rectifier stack mounting comprising a tubular body having a chamber fitting a rectifier stack, end closures for the chamber, and cooperating elements on the body and a closure for holding the latter closure in position on the body, including a circumferentially arranged ridge structure on the body, said body being made of readily severable material and having a longitudinal series of ridge structures spaced for transverse severance between adjacent ridge structures.

2,408,053
FREQUENCY CHANGING NETWORK
Charles Malton Le Grice Eyre and John Owen Gilderdale, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 12, 1944, Serial No. 517,912
In Great Britain February 1, 1943
5 Claims. (Cl. 250—20)



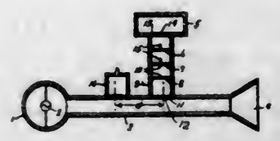
1. An electrical device for securing changes of modulation by the algebraic addition of waves of differing frequencies, including a thermionic valve having electrodes including a cathode, input and output circuits therefor, an impedance connected in series with said cathode and inserted in both the input and output circuits of said valve forming a negative feedback path between said circuits, means for simultaneously applying a signal wave and a carrier wave to the input circuit of said valve, means for predeterminedly biassing said valve with potentials so chosen that said applied waves cause the anode current of said valve to vary over a substantially curved portion of the characteristic curve thereof, and output means connected to at least a portion of said impedance for extracting the modulation products from said valve.

2,408,054
ELECTROMECHANICAL INTERLOCK FOR ELEVATOR DOORS
Emory W. Fenn, Chicago, Ill., assignor to Firecraft Corporation, a corporation of Illinois
Application May 13, 1943, Serial No. 486,765
16 Claims. (Cl. 187—31)



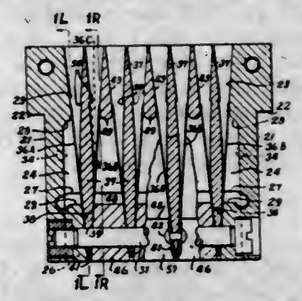
1. In an elevator or the like, a hoistway, a car in said hoistway, an electric motor for said car, a motor control switch under the control of the car operator, a biparting door comprising door sections associated with each floor of said hoistway, means connecting said sections for simultaneous movement, latch means including a movable latch member for each door, a motor control switch associated with each door and including a switch arm movable into closed position by said latch member when said latch member is moved to latching position, and a motor control circuit including said switches, said motor being operative only when both switches are closed, and means for preventing closure of the second switch when said door is open, said closure-preventing means being provided on said connecting means so as to be irremovable without rendering said connecting means inoperative.

2,408,055
ULTRA HIGH FREQUENCY COUPLING DEVICE AND SYSTEM
Milan D. Fiske, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 17, 1944, Serial No. 545,314
14 Claims. (Cl. 178—44)



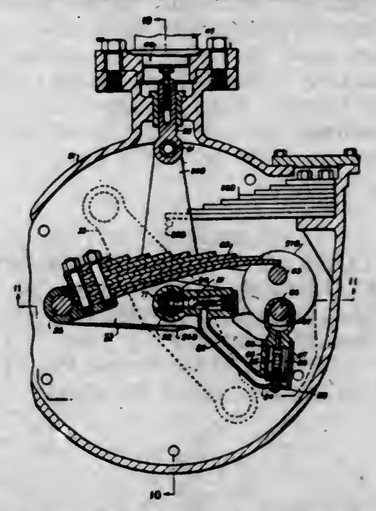
1. In combination with a principal hollow pipe type wave guide for transmitting electromagnetic waves dielectrically, means for transmitting high intensity waves over said guide and for reflecting low intensity waves comprising a stub section of wave guide connected to said principal guide through an aperture tuned to the frequency of said waves, said stub section having a length equal approximately to an odd multiple of a quarter wave length at said frequency, and said stub section being short circuited at its end remote from said aperture.

2,408,056
NONRETURN VALVE
Harold Oatridge Farmer, Hounslow, England, assignor to Alan Muntz & Company Limited, Hounslow, England, a company of Great Britain
Application August 11, 1942, Serial No. 454,381
In Great Britain January 15, 1942
10 Claims. (Cl. 251—119)



8. In a non-return valve of the kind specified, seating members having two opposed plane seating faces diverging from each other in the direction of fluid flow, said faces being interrupted by ports extending from their edges nearest the inlet end of the valve, a stop plate disposed between said seating faces and having its border nearest the inlet end of the valve bevelled to conform to the angle of divergence of said seating faces, two resilient laminae disposed between said stop plate and said seating members for sealing said ports therein, means maintaining the ends of said laminae adjacent to their entry edges rigidly nipped between said seating members and said stop plate, and a V-section strip secured to and embracing the borders of said laminae intermediate their said ends.

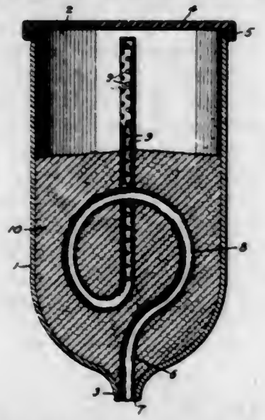
2,408,057
INTERNAL-COMBUSTION ENGINE OF THE FREE PISTON TYPE
Harold Oatridge Farmer, Hounslow, England, assignor to Alan Muntz & Company Limited, Hounslow, England, a company of Great Britain
Application March 9, 1943, Serial No. 478,503
In Great Britain March 2, 1942
19 Claims. (Cl. 123—46)



1. An internal-combustion engine having a power cylinder, a compressor cylinder, primary moving parts including a power piston and a compressor piston co-operating with said cylinders respectively and connected together for operation in unison as a free-piston assembly capable of reciprocating through a variable stroke, such that at least one of its dead points is indeterminate, an auxiliary member for performing

a function auxiliary to the operation of said engine, an inertia member, an operative connection between said inertia member and said primary moving parts for imparting to said inertia member an acceleration by the motion of said parts during the first part of one of their strokes that precedes their occupation of said indeterminate dead point, said connection serving to permit said inertia member to overrun said parts during a subsequent part of the same stroke, and means operatively associated with said auxiliary member and capable of co-operating with said inertia member by retarding it at a predetermined point in such overrunning motion and using the kinetic energy thereby taken from said inertia member to actuate said auxiliary member.

2,408,058
HYGROSCOPIC MATERIAL DISPENSER
William F. Gallagher, Springfield, Mass.
Application February 14, 1944, Serial No. 522,294
1 Claim. (Cl. 222—211)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



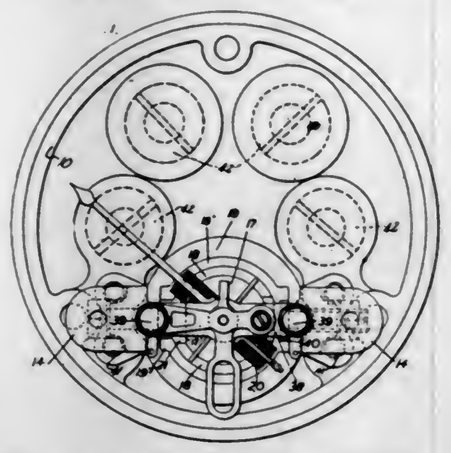
A granulated material dispenser comprising a container arranged to receive said granulated material therein, a flexible cap secured across one end of said container, a discharge opening formed in the opposite end of said container, a piece of tubing having one end connected to said discharge opening and the other end thereof extending substantially through the length of said container and perforated to permit passage of the granulated material into said tubing, said tubing being formed into at least one complete loop intermediate its said perforated end and discharge end to form a vapor trap.

2,408,059
MANUFACTURE OF DIAZODINITROPHENOL
Frederick M. Garfield and Herman W. Dreher, St. Louis, Mo., assignors to Olin Industries, Inc., a corporation of Delaware
Application July 3, 1940, Serial No. 343,706
10 Claims. (Cl. 260—141)



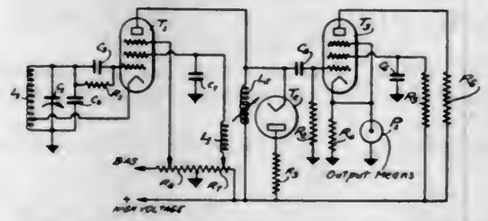
1. As a new product, free-flowing diazodinitrophenol in the form of tabular crystals containing an adsorbed triphenylmethane dye.

2,408,060
ELECTRICAL MEASURING INSTRUMENT
Bertram Barnett Grace, John Handley, and Gilbert Gilliver, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Original application June 12, 1943, Serial No. 490,627. Divided and this application November 29, 1943, Serial No. 512,176. In Great Britain July 17, 1942
6 Claims. (Cl. 171—95)



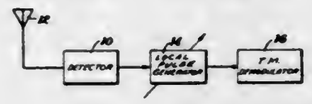
2. An electrical measuring instrument, comprising a moving coil and a permanent magnet within said coil, said permanent magnet consisting of an element rendered magnetically anisotropic during heat treatment and permanently magnetized in substantially one direction, said direction being substantially perpendicular to that of the path of said moving coil.

2,408,061
STABLE PULSE GENERATOR
Donald D. Grieg, New York, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application December 20, 1941, Serial No. 423,862
2 Claims. (Cl. 250—36)



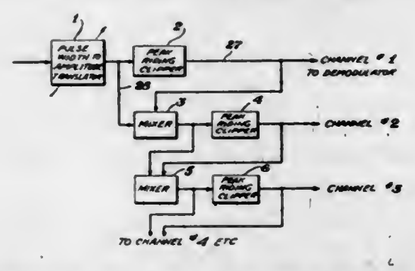
1. Pulse generator comprising, in combination, a vacuum tube having control elements including an anode, a cathode and a grid, and a high internal plate resistance characteristic, a tank circuit, means interconnecting said tank circuit with elements of said vacuum tube to produce oscillations therein, an output circuit connected between the anode and cathode of said tube, means biasing an element of said vacuum tube to such a value as to produce periodically recurrent current surges in said output circuit, a tunable inductive reactor serially connected in said output circuit, said reactor having a resistance value relatively small compared with the internal resistance of said tube, a uni-directional rectifier connected in shunt with said inductive reactor, means deriving induced voltage pulses from said reactor when said current surges from said vacuum tube are impressed thereon, and means to produce the maximum voltage pulses possible from the time duration of the applied current surges, comprising means varying the bias of the vacuum tube element and means varying the tuning of said reactor.

2,408,062
SIGNAL TRANSLATOR
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application May 24, 1943, Serial No. 488,178
9 Claims. (Cl. 250—20)



1. A method of translating repetition modulated pulses into equivalent time modulated pulses comprising generating pulses according to a given time displacement and using the successive pulses of a train of repetition modulated pulses to be translated for synchronizing the generation of alternate ones of the generated pulses.

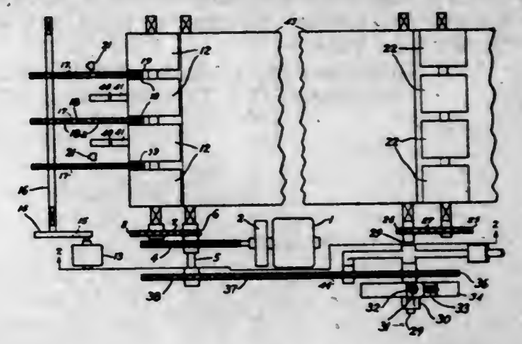
2,408,063
MULTIPLEX RECEIVER
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 29, 1944, Serial No. 547,123
11 Claims. (Cl. 179—15)



1. A method of selectively receiving a plurality of channels of communication from a multichannel train of pulses wherein the pulses of each channel differ from pulses of other channels by a different identifying width; comprising translating said pulses into a series of corresponding undulations the amplitudes of which vary substantially as the respective width of the corresponding pulses; and successively selecting the undulations of each channel in accordance with the relative values of the amplitudes thereof.

2,408,064
CONTINUOUS GLUING MACHINE
Selden H. Hall, Poughkeepsie, N. Y., assignor to James L. Taylor Mfg. Co., Poughkeepsie, N. Y., a corporation of New York
Application January 23, 1942, Serial No. 427,973
15 Claims. (Cl. 144—279)

1. In a continuous gluing machine the combination with a heated glue-setting chamber, continuously driven feed rolls adapted to force a series of boards having glue coated edges into and through said chamber, wherein the glue is set and the boards cemented together, retard rolls outside of but closely adjacent the outlet from said chamber and rotatable by said boards passing in contact with them, of a preadjustable friction clutch, power transmitting mechanism between said retard rolls and clutch, said clutch being driven by said retard rolls through said mechanism and offering preadjustable yielding



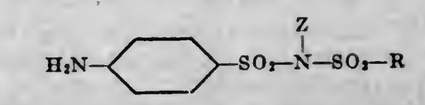
resistance to rotation of said rolls, whereby preadjustable yielding resistance is offered to emergence of said boards from said chamber.

2,408,065
STARCH-MELAMINE MOLDING COMPOSITION
Donald W. Hansen, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application January 20, 1943, Serial No. 472,995
1 Claim. (Cl. 260—9)

A plastic molding composition comprising a reaction product of about 70 to 75 parts of starch and about 25 to 30 parts of a melamine-formaldehyde condensation product, said composition having a degree of alkalinity lying within the range of 7 to 11 pH and having a flow rate of from 33 to 180 mils when a preformed cylindrical pellet of such composition 3/8 of an inch in diameter and 3/8 of an inch long is placed between platen members at a temperature maintained at 150° C. when a 5 kilogram load is applied thereto; a moisture content of around 6 per cent as determined by drying approximately 2 grams in an air oven at 105° C. for 3 hours; a water absorption represented by a percentage gain in weight lying within the range of 1.01 to 2.01 when a disk 2 inches in diameter and 1/8 inch thick, molded at 5,000 pounds per square inch and 150° C. for 3 minutes, is conditioned for one hour at 105° C., immersed on an edge for 24 hours in water at 25° C. and wiped dry; and a flexural strength, when molded into an article, ranging from about 9,900 pounds to 14,195 pounds per square inch.

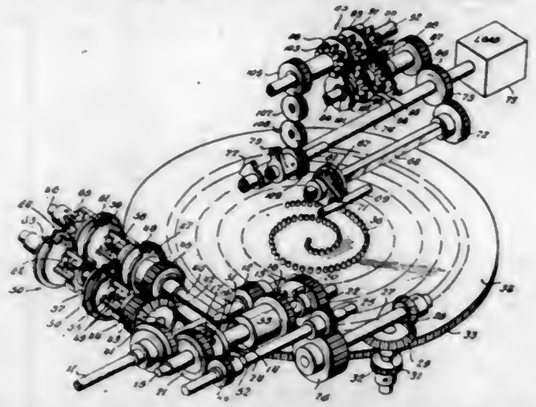
2,408,066
P-AMINO-BENZENE-SULPHAMIDE DERIVATIVES
Winfrid Hentrich, Rodleben, near Dessau-Rosslau, Anhalt, and Erik Schirm, Dessau, Anhalt, Germany; vested in the Alien Property Custodian
No Drawing. Application June 3, 1939, Serial No. 277,300. In Germany May 5, 1938
6 Claims. (Cl. 260—397.7)

1. Compounds having the general formula



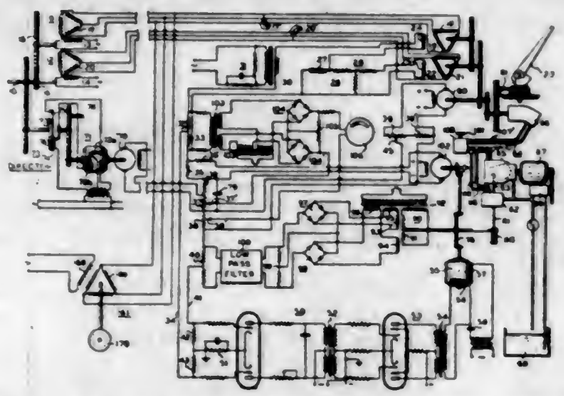
wherein R is an aliphatic radical and Z is selected from the group consisting of hydrogen and alkalis, ammonia, and organic basic forming salts in combination with the rest of the molecule.

2,408,067
INERTIA ABSORBER
Henry A. Herzig, Port Washington, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application November 30, 1943, Serial No. 512,319
6 Claims. (Cl. 192—4)



1. In a computing mechanism of the character described, the combination of an input member, a pin cam driven by said input member, a reversing mechanism connected between said input member and said pin cam for changing the direction of movement of said pin cam relative to said input member, an accumulator device driven by said input member for intermittently actuating said reversing mechanism to change the direction of movement of said cam, an output member driven by said pin cam, stopping means for arresting movement of said output member, and an accumulator device driven by said output member for operating said stopping means synchronously with the operation of said reversing mechanism to arrest movement of said output member during the reversing operation.

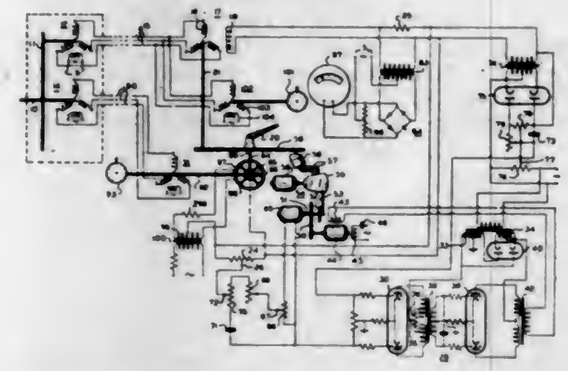
2,408,068
AUTOMATIC POSITIONAL CONTROL OF OBJECTS
Harvard L. Hull, East Williston, William S. Gorrill, Hempstead, and William F. Frost, Williston Park, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 31, 1941, Serial No. 425,146
10 Claims. (Cl. 60—53)



5. In an automatic system for positioning a rotatably mounted gun in positional correspondence with a remote controller, means for obtaining an electric potential measuring the positional disagreement of said gun and controller, means for rotating said gun including a variable speed hydraulic transmission having a positionable member determining the output speed thereof, means for obtaining an electrical potential proportional to the position of said member, means for deriving an electrical potential proportional to a combination of said first two potentials, and means actuated by said derived potential for positioning said member.

10. In a gun positioning mechanism, a variable displacement hydraulic pump, driving means for said pump, a hydraulic motor connected for driving a gun and actuated in accordance with the displacement of said pump, means controlling the output power of said pump with increase of pressure according to a desired law of variation over a selected range, said controlling means being differently responsive to increase of pressure over selected portions within said selected range, and pressure relief means limiting increase of power beyond said range.

2,408,069
GUN POSITIONING SYSTEM
Harvard L. Hull, East Williston, William S. Gorrill, Brooklyn, and William F. Frost, Williston Park, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 1, 1942, Serial No. 441,400
32 Claims. (Cl. 60—53)

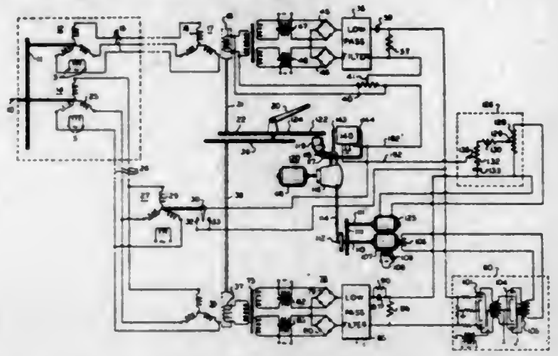


21. In a control system, a variable speed motor for driving a movable mounted body, a displaceable speed controller therefor, means for actuating said speed controller, quick-acting, slow-return means actuated by said controller-actuating means and when a displacement of said controller occurs, comprising a dashpot having a cylinder and piston and resilient means opposing relative displacement of said cylinder and piston away from a reference position, and means actuated in accordance with relative displacement of said cylinder and piston for modifying the displacement of said controller.

25. In a positional control system for continuously positioning an object in accordance with a variable primary signal, variable speed driving means for said object, means for integrating said variable signal to produce a second signal, and means for controlling said variable speed drive from the sum of said signals, whereby lag of said object is mitigated.

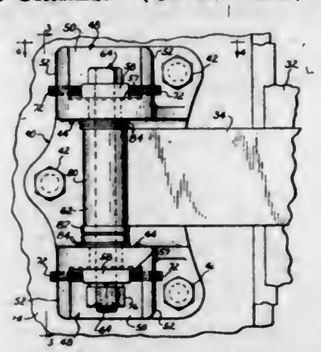
2,408,070
SYSTEM FOR POSITIONING HEAVY OBJECTS
Harvard L. Hull, East Williston, and David J. Munroe, Brooklyn, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 20, 1942, Serial No. 447,828
19 Claims. (Cl. 60—53)

3. In a positional control system, a controlled object, driving means therefor, a source of positional data, coarse and fine control channels for said driving means each including means for generating a signal proportional to disagreement between the position of said controlled object and the data of said source and for obtaining therefrom the rate of change of said signal, said two signals being proportional in different ratio to the disagreement, and means for shifting control from one of said channels to the other at a critical value of disagreement.



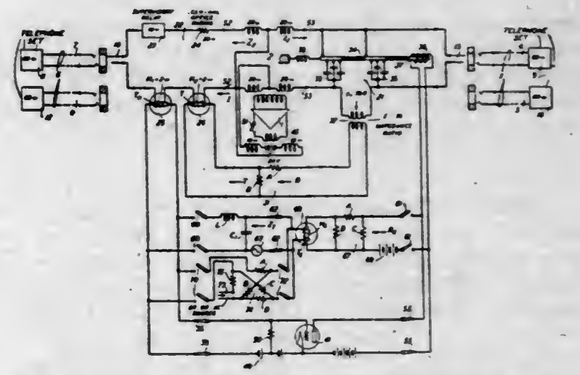
7. In a positional control system, a controlled object, driving means therefor, a controlling object, means furnishing a measure of the positional disagreement of said two objects and controlling said driving means in accordance therewith, and means responsive to elastic deformation of an element of said driving means for further controlling said driving means to compensate for a phase shift introduced by said deformation between an input to and an output from said driving means.

2,408,071
ADJUSTABLE HINGE
Clarence M. Jahn, Chicago, Ill., assignor to Firecraft Corporation, a corporation of Illinois
Application August 9, 1943, Serial No. 497,884
6 Claims. (Cl. 16—129)



1. In an adjustable hinge, a pintle support comprising arms having substantially alined holes for receiving a pintle, means for securing said arms to a wall, said arms being spaced apart to accommodate between them the eye of a door hinge strap, said holes being oversize to permit a pintle therein to be adjusted laterally relative to its axis, each arm having corrugations about its hole at the surface thereof remote from said space, the corrugations at each surface being parallel to those at the other surface, lugs adjacent the ends of the corrugations and projecting away from said space, set screws in said lugs, and adjusting blocks having pintle-receiving holes substantially smaller than the arm holes and having corrugated surfaces engageable with the corrugated surfaces of the respective arms, each block being shorter, in the direction of the corrugations, than the space between the associated lugs, said blocks being shiftable free of said arms and transversely to said corrugations and reengageable with said arms at locations removed from the previous locations, with corrugated portions of said blocks and arms again mutually engaged, opposite portions of each block, in all adjustments thereof, being engageable by the associated screws so that each block may be held in the desired adjustment relative to the associated arm.

2,408,072
TELEPHONE REPEATER CIRCUIT
Kenneth S. Johnson, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1943, Serial No. 516,464
16 Claims. (Cl. 179—170)



1. A wave translating system comprising a line impedance which may have different values, two circuits, electric wave amplifying means having an amplifier input circuit connected to one of said two circuits and an amplifier output circuit connected to the other, means providing a balancing circuit for said line impedance and a line circuit for two-way communication with said line impedance through said two first-mentioned circuits and said amplifying means, means comprising said balancing circuit for said line impedance for connecting said two first-mentioned circuits in energy transmitting relation to said line impedance and in conjugate relation to each other, and thermistor means responsive to change in the value of said line impedance for changing the impedance of said balancing circuit in substantially the same ratio to maintain conjugacy of said two first-mentioned circuits.

14. A control circuit comprising a resistance of high temperature coefficient, a heating element therefor electrically insulated therefrom, a second resistance of high temperature coefficient of the same sign as the first coefficient, a heating element for said second resistance electrically insulated therefrom, a source of electromotive force for supplying energy to heat said first heating element, and means comprising said second resistance connecting said source to supply heating energy to said first heating element and responsive to change of current of one sense in said second heating element for producing current change of opposite sense in said first heating element.

2,408,073
SUSPENDER FOR ARTIFICIAL LEGS
Clara Ilo Kickland, Aberdeen, Wash.
Application January 5, 1945, Serial No. 571,380
2 Claims. (Cl. 3—11)

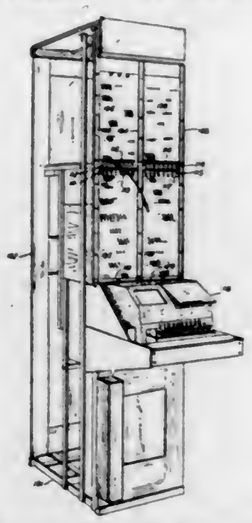
1. A suspender for artificial legs having pivotally connected leg and thigh sections, pairs of

front and rear straps connected at their lower ends to inner and outer sides of the leg section forwardly of its pivot, the straps of each pair



being connected together at their upper ends, a belt and a shoulder strap connected to the upper ends of said pairs of straps and to which the opposite ends of the belt are connected.

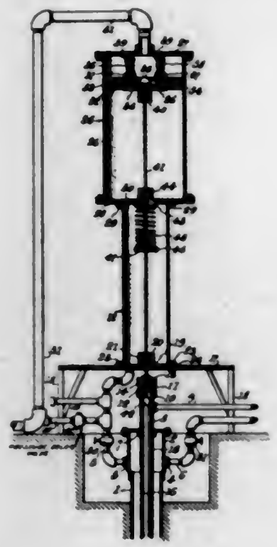
2,408,074
TELETYPEWRITER SWITCHBOARD
Paul V. Koos, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 30, 1943, Serial No. 485,136
17 Claims. (Cl. 178—75)



1. In a communications switchboard, a cord having a plug attached thereto, vertical stile strips having openings therebetween, a displaceable plug seat for positioning said plug when in the normal idle disengaged condition at various levels in said openings, a cord-shelf, means for attaching one end of said cord to said shelf, and means for positioning said shelf at various levels dependent upon the level at which said plug is positioned.

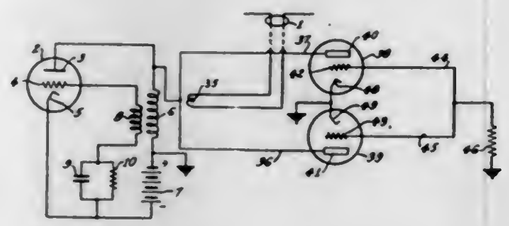
2,408,075
OIL WELL PUMP
Frank Kowalski, Jr., United States Army, Camp Chaffee, Ark., and Raymond L. Harper, United States Army, Camp Bowie, Tex.
Application May 4, 1944, Serial No. 534,124
5 Claims. (Cl. 121—123)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A gas operated motor comprising a cylinder having intake and exhaust ports, a piston adapted for movement in said cylinder between said intake and exhaust ports, a connecting rod secured to said piston and extending from said cylinder, a valve slidably mounted on said connecting rod adapted to close said intake port, means for introducing gas into said cylinder through said intake port to actuate said piston, means operably



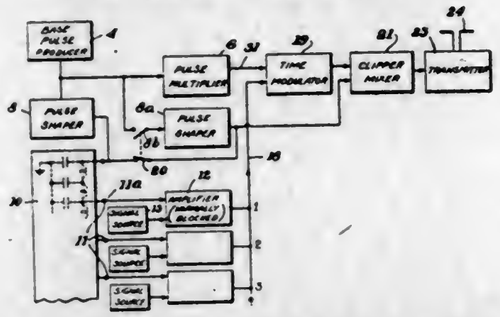
responsive to the movement of said connecting rod to close said intake port with said valve as said piston approaches the end of its power stroke and means associated with said piston and operably responsive to the movement thereof to permit the flow of gas through said piston from the intake side to the exhaust side thereof.

2,408,076
PULSE TRANSMITTER
Emile Labin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 12, 1941, Serial No. 406,499
10 Claims. (Cl. 250—36)



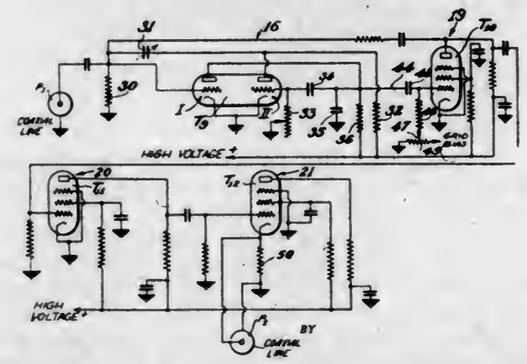
1. A pulse transmitter comprising an oscillator comprising a vacuum tube having a power electrode, an electron emissive electrode and a control electrode, an output circuit coupled to said power electrode, an input circuit coupled to said control electrode and means for feeding energy from said output to said input circuit, means for supplying operating potential to said power electrodes comprising an impulse generator comprising a vacuum tube having an anode, a control electrode and an electron emissive electrode, an output circuit coupled to said anode, an input circuit coupled to said grid and means for feeding energy from said last-mentioned output circuit to said last-mentioned input circuit, and direct current connections for coupling said last-mentioned output circuit to the power electrode of said oscillator.

2,408,077
MULTICHANNEL SYSTEM
Emile Labin, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 25, 1944, Serial No. 551,202
15 Claims. (Cl. 179—15)



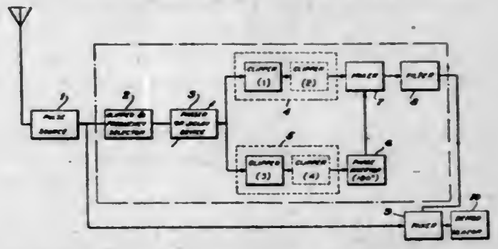
1. A method of multi-channel transmission comprising producing a train of pulses, segregating spaced segments from the signal energies of a plurality of channels, differently timing the segments of the different channels to interleave them together into a series of segments wherein each segment corresponds to a pulse of said train, and time modulating the pulses of said train according to the amplitude of the corresponding signal segments.

2,408,078
CONSTANT WIDTH SYNCHRONIZED PULSE GENERATOR
Emile Labin and Donald D. Grieg, New York, N. Y., assignors to Federal Telephone and Radio Corporation, a corporation of Delaware
Application February 3, 1942, Serial No. 429,376
2 Claims. (Cl. 250—27)



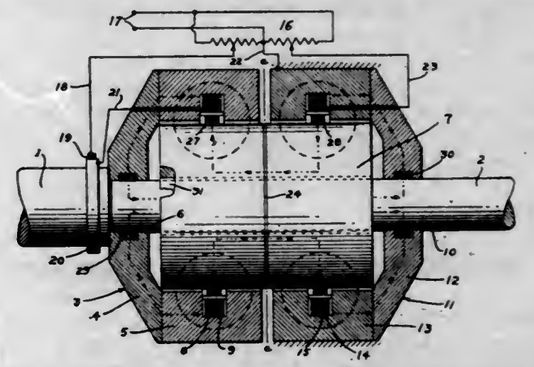
1. A device for generating periodically recurrent impulse energy characterized by impulses of accurately defined duration comprising: means for generating a regular series of relatively short accurately timed synchronized pulses, a multivibrator having two discharge sections, each having an input circuit, means to apply said synchronized pulses to one of the input circuits, first, to render in response to a synchronized pulse one of the sections conductive and the other non-conductive, and second, to effect in response to a later synchronized pulse the reverse operation, means providing a time constant for the input circuit of said one section to terminate the conduction therein upon the occurrence of a synchronized pulse a predetermined interval after initiation of conduction thereby generating an impulse of given duration, means providing a time constant for the input circuit of said other section to terminate conduction therein upon the occurrence of a synchronized pulse a selected interval after initiation of conduction to determine the frequency of the generated impulses, means to independently vary the value of said time constant means, and means to withdraw the resulting periodically recurrent accurately timed impulse energy from said multivibrator circuit.

2,408,079
PULSE DISCRIMINATOR
Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation
Application June 19, 1944, Serial No. 540,998
18 Claims. (Cl. 250—27)



1. A system for segregating a pulse series having a given ratio of pulse width to pulse periodicity from a train of mixed pulse series of various ratios of pulse width to pulse periodicity comprising means tunable for producing waves of a selected frequency in response to the pulses of the different series in said train, the period of said waves being equal to or some division of the pulse periodicity of the pulse series having said given ratio and the amplitude of each wave being determined by the pulse width and periodicity of the corresponding pulse series, means for segregating from said waves, portions of the wave resulting from the pulse series of said given ratio, means for mixing said portions with the pulses of said train, and means for clipping the resulting pulse energy when pulses of said train coincide with said wave portions.

2,408,080
POWER TRANSMISSION DEVICE
Edward C. Lloyd, Takoma Park, Md.
Application February 26, 1942, Serial No. 432,453
26 Claims. (Cl. 172—284)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



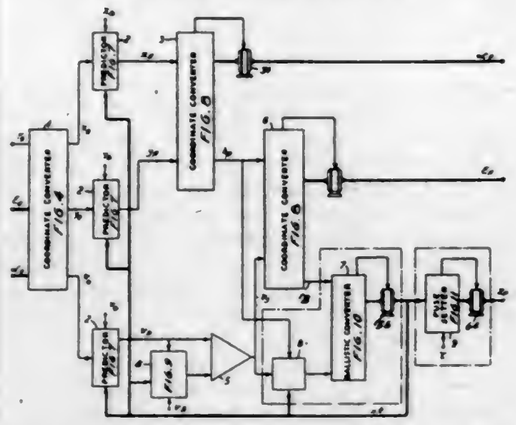
1. A combined generator-motor device of the unipolar type for transmitting power from a driving member to a driven member comprising a cylindrical member, one portion of which constitutes a generator member and the other portion constituting a motor member, said cylindrical member being connected to said driven member, an annular generator member, said generator member being connected to said driving member for rotation thereby and being disposed so that the axial portion thereof houses substantially

the generator portion of said cylindrical member, a stationary annular motor member, said motor member being disposed so that the axial portion thereof houses substantially the motor portion of said cylindrical member, a field winding disposed in one of said generator members, a field winding disposed in one of said motor members, and means for conveying current between the generator and motor sides of said device.

2,408,081
ARTILLERY PREDICTOR

Clarence A. Lovell and David B. Parkinson, Maplewood, and Karl D. Swartzel, Jr., Teaneck, N. J., and Bruce T. Weber, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 1, 1941, Serial No. 391,438
9 Claims. (Cl. 235—61.5)



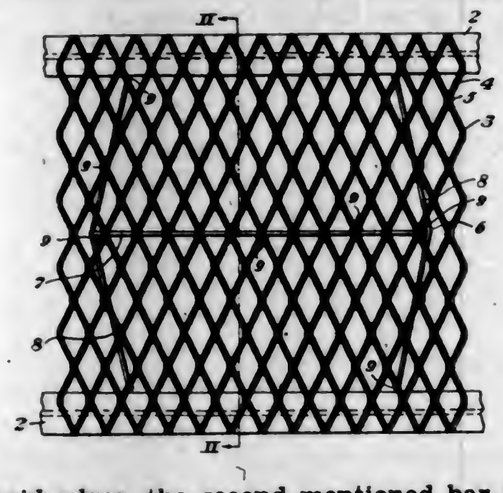
8. In a coordinate converter, a source of voltage, a network connected to said source having one grounded terminal and two free terminals, adjustable means in said network for impressing on said free terminals equal voltages of opposite polarity with respect to ground proportional to the hypotenuse of a right triangle, a winding formed in two sections, each section varying in resistance with a sinusoidal function and shaped to an arc of a circle, the ends of each of said sections being respectively connected to said free terminals and the points of maximum variation of resistance of said sections being grounded, two insulated wipers supported at right angles respectively in contact with the sections of said winding and mechanism for rotating said wipers about the center of said circle proportionally to a base angle of said triangle to respectively select voltages with respect to ground proportional to the sides of said triangle.

2,408,082
EXPANDED METAL LOAD BEARING STRUCTURE

Wayne E. Mack, Martins Ferry, Ohio, assignor, by mesne assignments, to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware

Application June 1, 1944, Serial No. 538,285
12 Claims. (Cl. 189—82)

11. An expanded metal load-bearing structure comprising a sheet of expanded metal supported at two opposed edges and disposed with the long dimensions of the diamonds transverse to said edges and reinforcing means applied to the expanded metal between said edges, the reinforcing means comprising bar means extending generally parallel to said edges and terminating closely adjacent the ends of the expanded metal sheet and bar means connected with the first-mentioned bar means and extending generally transversely

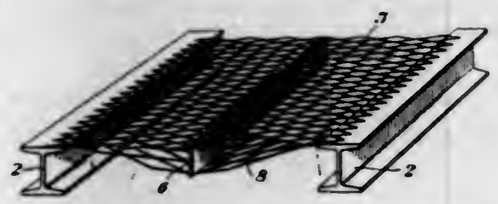


of said edges, the second-mentioned bar means crossing at least one transverse row of bonds of the expanded metal.

2,408,083
EXPANDED METAL LOAD BEARING STRUCTURE

Wayne E. Mack, Martins Ferry, Ohio, assignor, by mesne assignments, to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware

Application August 10, 1944, Serial No. 548,890
3 Claims. (Cl. 189—82)



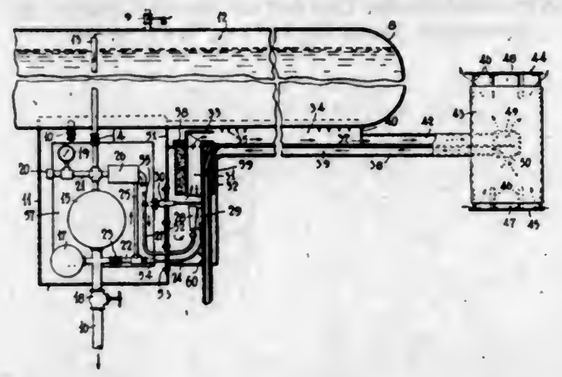
1. An expanded metal load bearing structure comprising a sheet of expanded metal supported at two opposed edges and adapted to bear a load between said edges and reinforcing means applied to the sheet between said edges, the reinforcing means comprising a portion extending generally parallel to said edges and a portion comprising a second sheet of expanded metal extending generally transversely of the first mentioned sheet, connected with the first mentioned sheet adjacent said edges and bearing against the first mentioned portion opposite the first mentioned sheet.

2,408,084
VAPORIZING APPARATUS

James Woodward Martin, Dallas, Tex., assignor to Lone Star Gas Company, Dallas, Tex., a corporation of Texas

Application September 13, 1941, Serial No. 410,766
5 Claims. (Cl. 62—1)

1. Heating apparatus comprising: a tank adapted to contain a medium to be heated; a casing at the lower side of said tank including a burner box and an elongated heat chamber above said burner box, said casing being arranged so that the wall of said tank forms the top of said heat chamber; a flue establishing communication between said burner box and said heat chamber, said flue including a leg extending into said burner box and terminating in an inlet and a portion extending into said heat chamber and terminating in an outlet; means for admitting fresh air into said burner box; a burner in said burner box aligned with said leg of said flue,



whereby the products of combustion pass directly from said burner into said inlet of said flue, and means to prevent gases from passing between said burner box and said heat chamber around the outside of said flue.

2,408,085
COMMUNICATION SYSTEM

Larned A. Meacham, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 23, 1943, Serial No. 495,867
10 Claims. (Cl. 179—15)

10. On a telephone system, subscribers' stations, a wide band transmission medium interconnecting said stations and constituting a plurality of carrier channels each of a different frequency, each of said stations having individually assigned thereto for use on calls to said station from any other station one of said channels as a receiving channel and one of said channels as a transmitting channel, a source of power common to said stations and connected thereto by the conductors of said common transmission medium, each of said stations comprising a telephone receiver and transmitter, means comprising a detector tube connecting said receiver to said common medium, a ringer, a busy lamp, a busy relay, means comprising a gas-filled discharge tube connecting said ringer, lamp and relay to said common medium, means normally tuning the connection between said detector tube and common medium to the frequency of the receiving channel individual thereto, means normally tuning the connection between said discharge tube and common medium to the frequency of the receiving channel individual thereto thereby to effect the breakdown of said tube responsive to the transmission over said common medium of carrier current of the frequency of said receiving channel to operate said ringer, an oscillator-modulator tube, means in the oscillatory control circuit of said oscillator-modulator tube tuned to the frequency of the individual transmitting channel, other means in the oscillatory control circuit of said oscillator-modulator tube tunable to the frequency of the individual receiving channel of any of the other stations, contacts normally short-circuiting said other means, means comprising an amplifier connecting the output of said oscillator-modulator tube to said common medium, means connecting said transmitter to said oscillator-modulator tube to modulate the oscillatory current generated in said tube, circuit means including said power source rendered effective by the operation of said ringer and by the removal of the receiver from normal for energizing said detector and amplifier and oscillator-modulator tubes, calling keys, one for each of the other stations, means individual to each of said keys and rendered effective by operation of the key to tune the connection between said common medium and the detector tube and the connection between said common medium and said discharge tube to the frequency of the transmitting channel individual to the station corresponding to the operated key and to tune said other means in the oscillatory control circuit of said oscillator-modulator tube to the frequency of the receiving channel individual to the station corresponding to the operated key, means responsive to the operation of any of said station keys for opening the operating circuit of said ringer and for connecting said lamp and relay for operation responsive to transmission over said common medium of carrier current of the frequency of the transmitting channel individual to the station corresponding to the operated key, means actuated by the energization of said relay for preventing the energization of said tubes and receiver, means responsive to the operation of any of said keys for opening said contacts normally short-circuiting said other means in the oscillator control circuit of said oscillator-modulator tube, locking mechanism common to said keys normally positioned to allow the operation of any key, and means actuating said locking mechanism responsive to the removal of the receiver from normal position to prevent the operation of any of said keys while said receiver is off-normal and to lock operated any key which is operated at the time of removal of the receiver from normal.

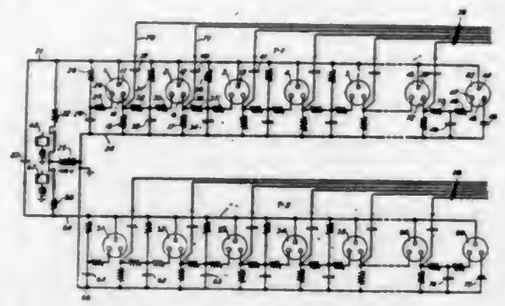
2,408,086
IMPULSE SYSTEM

Larned A. Meacham, Summit, N. J., Milton E. Mohr, Jamaica, N. Y., and Carlyle V. Parker, Washington, D. C., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 5, 1941, Serial No. 396,688
9 Claims. (Cl. 250—27)

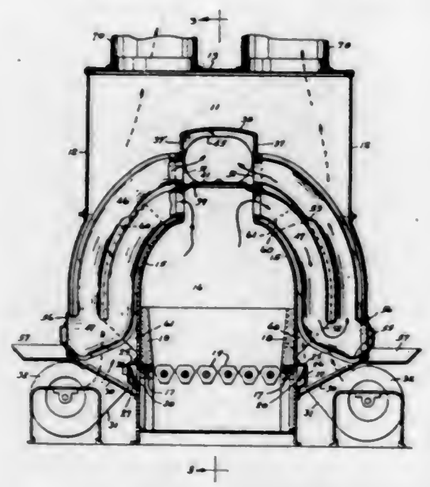
1. The combination in an impulse system of a series of discharge devices, a series of condensers associated respectively with said discharge devices, means for charging a first one of said condensers to the operating potential of the associated discharge device, means for charging the succeeding condensers simultaneously to an initial potential which is below the operating potential of the associated discharge devices, means effective to operate the associated discharge device when said first condenser reaches said operating potential, means effective upon the oper-

ation of said first discharge device for charging the second condenser from said initial potential to said operating potential and for operating the second discharge device when said second condenser reaches said operating potential, means effective in response to the operation of said sec-



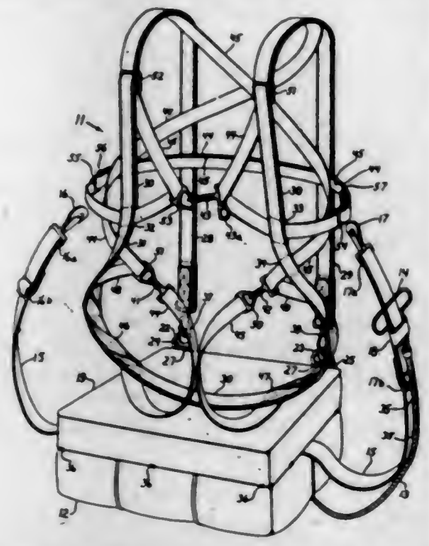
ond discharge device and each succeeding discharge device for charging the next succeeding condenser from said initial potential to said operating potential, and means for supplying an impulse in response to the operation of each succeeding discharge device.

2,408,087
HOT-AIR FURNACE
James C. Miles, Cleveland, Ohio
Application July 24, 1943, Serial No. 496,015
5 Claims. (Cl. 126—104)



1. A hot air heating furnace having a body forming a combustion chamber, and having a smoke chamber superimposed thereon, a housing forming a heating chamber on both sides of the combustion chamber, the heating chamber having an air inlet at the bottom and an air outlet at the top thereof, a plurality of fire tubes disposed within the heating chamber and being shaped substantially complementary to the sides of the combustion chamber, each fire tube having one end thereof in communication with the combustion chamber and having the other end thereof in communication with the smoke chamber and extending downwardly into the chamber for substantially the depth of the combustion chamber and thence upwardly to communicate with the smoke chamber, and each of said tubes having a cross section comprising a long and a short axis, the tubes being so positioned that at the upper ends thereof the long axis extends transversely of the furnace and adjacent the bottoms thereof the long axis extends longitudinally of the furnace.

2,408,088
PARACHUTE HARNESS
Joshua Miller, Drexel Park, Pa., and Bergie L. Kauffman, Collingswood, N. J.
Application February 8, 1944, Serial No. 521,526
6 Claims. (Cl. 244—151)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

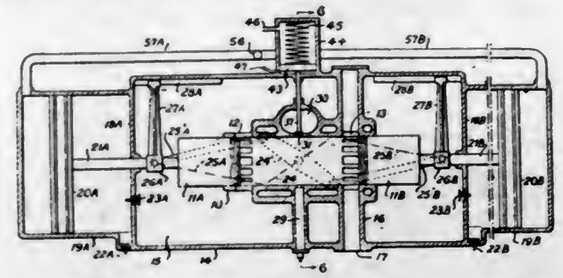


1. Parachute equipment comprising a seat type parachute and a harness therefor; the harness comprising a main web passing under the seat of the wearer, thence up his front, over the shoulders, and terminating in a first pair of lift webs passing down the back and ending adjacent the seat of the wearer; a pack containing the parachute, the parachute being confined within the pack and having a second pair of lift webs protruding therefrom at the back and spaced substantially the width of the pack; frangible means attaching said second pair of lift webs to said pack and in proper spaced relationship; separable connecting means between said first and second pairs of lift webs at the ends thereof, said separable means being the sole connection between said parachute pack and harness; a belt fastened substantially at its mid point to the pack, the ends of the belt extending sideways and adapted to pass around the sides and over the tops of the legs of the wearer; means whereby the ends of said belt can be separably fastened together in front of the wearer; and a rip cord for said parachute, said rip cord being housed in a housing which is fastened to one of the ends of said belt, the rip cord handle being in front of the wearer when the ends of said belt are fastened together.

2,408,089
INTERNAL-COMBUSTION ENGINE
Frederick Alan Irving Muntz, Hounslow, England, assignor to Alan Muntz & Company Limited, Hounslow, England, a company of Great Britain
Application February 27, 1943, Serial No. 477,395
In Great Britain February 12, 1942
13 Claims. (Cl. 123—46)

1. An internal-combustion-operated motive-gas generator having a power cylinder including a combustion chamber, an air-compressor cylinder co-axial with said power cylinder, a power piston and a compressor piston slidable in said cylinders respectively, said pistons being connected together for operation in unison in such a manner that said compressor piston performs

its delivery strokes simultaneously with the compression strokes of said power piston, a pneumatic cushion associated with said pistons for storing energy imparted to them during the expansion strokes of said power piston and returning energy to said pistons during the compression strokes of said power cylinder, means

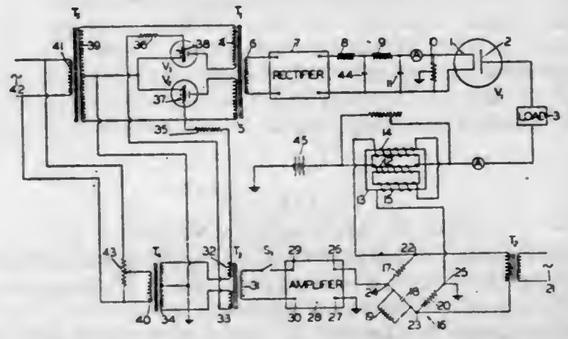


for causing at least a part of the air compressed in said compressor cylinder to scavenge and charge said power cylinder, an auxiliary chamber capable of communicating with said combustion chamber, valve means for interrupting communication between said chambers, and control means operable for varying the volume of said auxiliary chamber.

2,408,090
LUBRICATING OILS
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Original application September 30, 1940, Serial No. 359,105, now Patent No. 2,339,797, dated January 25, 1944. Divided and this application January 22, 1944, Serial No. 519,379
3 Claims. (Cl. 252—51.5)

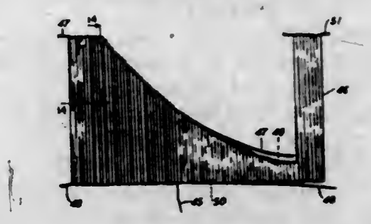
1. A process of improving lubricating oils to decrease sludge formation and also to decrease their tendency to cause corrosion of metal surfaces which comprises treating the entire body of such oil with a relatively small amount of phosphatide and a mononuclear aromatic sulfur containing compound sufficient to decrease sludge formation of the said oil.

2,408,091
ELECTRICAL REGULATING SYSTEM
Raymond C. Olesen, Altadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application May 19, 1944, Serial No. 536,379
6 Claims. (Cl. 315—101)



1. A system for maintaining a constant anode current through a vacuum tube having an anode and a cathode which when heated emits electrons, said system comprising a rectifier for supplying current for heating said cathode, a source of alternating voltage for supplying power to said rectifier, controlled regulating means for regulating the voltage from said source to the rectifier, a bridge having a pair of opposite input terminals and a conjugate pair of opposite output terminals, a source of alternating voltage connected to said input terminals, said bridge being normally maintained in balance with no output voltage at the output terminals, one of said bridge arms comprising a variable impedance element, means correlated with the impedance element and the anode circuit for producing a variation of the impedance of said impedance element in correspondence with variation of the anode current, thereby producing a corresponding unbalance and output voltage at the bridge output terminals, and means for applying to the regulating means a control voltage derived from the bridge output in the polarity which tends to decrease the voltage to the rectifier when the anode current tends to increase, and to increase the voltage to the rectifier when the anode current tends to decrease, whereby the anode current is maintained substantially constant.

2,408,092
WIRE-WOUND RESISTANCE AND METHOD OF MAKING SAME
Everett M. Patterson, Waterbury, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 30, 1943, Serial No. 474,129
1 Claim. (Cl. 201—73)



A wire-wound electrical resistance device comprising a card-type support, surfaces of thermoplastic material on opposite faces of said support and formed to provide spaced ridges along edge portions of said support, a pattern of grooves formed in said surfaces and continued into said ridges, a wire helically wound on said support and having portions extending into the groove pattern in said ridges, a thread located between said ridges and extending along an edge of said support, said thread being indented by portions of said wire extending over edge portions of said support and said thread cooperating with the grooves in said ridges to prevent said wire from slipping along said support and said thread also serving as a backing for portions of said wire extending from one of said ridges to the other.

2,408,093
METHOD OF MAKING WIRE-WOUND CARD-TYPE RESISTANCE DEVICES
Everett M. Patterson, Waterbury, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application January 30, 1943, Serial No. 474,129. Divided and this application January 24, 1944, Serial No. 519,462
1 Claim. (Cl. 201—60)

The method of making a wire-wound resistance of the type shown in Figs. 13 and 14 comprising making a card of the general form required to support the wire winding, said card having surfaces of thermoplastic material, placing said card between two plates having surfaces

facing said card representing a required groove pattern to be impressed in said card, heating said plates to a temperature sufficient to soften the thermoplastic surfaces on said card, pressing said heated plates against said card until said thermoplastic surfaces are impressed with the groove pattern represented on said plates and until some of the thermoplastic material in said surfaces is extruded beyond original edge portions of said card in the form of spaced ridges defining in co-



operation with the original edges of said card channels extending lengthwise along edge portions of said card, placing threads in the channels formed along the edges of said card and winding a wire around said card so that turns of the wire winding engage in the grooves formed in the extruded portions of said thermoplastic material and so that the turns of wire indent said threads where the turns of said wire extend over edge portions of said card.

2,408,094
PROCESS
Albert A. Pavlic, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 11, 1943, Serial No. 509,896
10 Claims. (Cl. 260—455)

1. A process which comprises reacting thiolacetic acid in the presence of an amine with an organic halogen compound having a halogen of atomic weight of at least 20 attached to only singly-bonded, non-aromatic carbon.

2,408,095
HIGHLY USEFUL COMPOUNDS
William Jennings Peppel, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 11, 1943, Serial No. 509,895
6 Claims. (Cl. 260—455)

1. Process for making an alpha-halogeno-beta-acetylthiopropionic compound which comprises reacting thiolacetic acid with an alpha-halogeno-acrylic compound of the class consisting of alpha-chloroacrylic acid and its methyl ester.

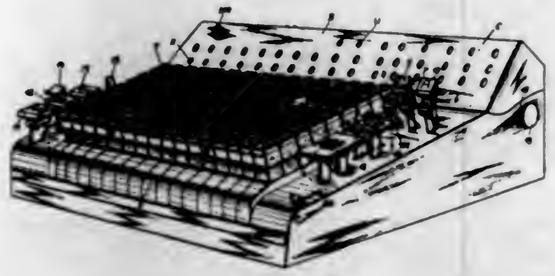
2,408,096
POLYHYDROXYAMINO COMPOUNDS
John S. Pierce, Richmond, Va., and John H. Wotiz, Pittsburgh, Pa.; said Wotiz, assignor to said Pierce
No Drawing. Application May 1, 1944, Serial No. 533,644
5 Claims. (Cl. 260—584)

1. New compounds of the structure

$$(HOCH_2)_3CNHCH_2(CHX)_zCH_2NHC(CH_2OH)_3$$

where X is taken from the group H and OH and z represents a number from zero to four, inclusive.

2,408,097
CALCULATING MACHINE FOR PERFORMING DIVISION
August Friedrich Pott, Zella-Mehlis II, Thuringia, Germany; vested in the Alien Property Custodian
Application December 19, 1939, Serial No. 310,079
In Germany December 30, 1932
16 Claims. (Cl. 235—73)

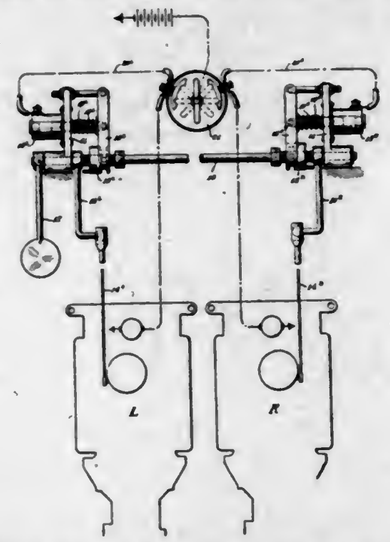


5. In a calculating machine for solving problems in division, the combination with a differential mechanism; a travelling carriage; an accumulator travelling with the carriage; a state control mechanism for the differential mechanism; and a motor; of a keyboard relatively to which the carriage travels, the keyboard being of sufficient capacity to enable the indication thereon at one time of both the dividend and the divisor; manually set mechanism, depression of which subsequently to setting up both dividend and divisor at one time, initiates repeated cycles of operation of the machine, to first simultaneously register on the accumulator, by the operation of the differential mechanism, both the dividend and the divisor; means to retain the manually-set mechanism in its effective set position; means operable near the end of the first cycle of the machine to clear the dividend only from the keyboard; means conditioned as a result of the first cycle of the machine, and operable on the second cycle to set the state control mechanism to subtract the divisor from the accumulator; means automatically operable during the next cycles of operation of the motor, to shift the carriage from its home position, and relatively to the keyboard, to position the digits comprising the dividend registered in the accumulator in predetermined denominational relation to the digits of the divisor remaining on the keyboard; said manually set mechanism under control of the accumulator, being effective to initiate a step by step return of the carriage to its home position; means to alternately effect subtraction of the divisor one or more times from the dividend, and addition of the divisor one or more times to the dividend, in the successive ordinal positions of the carriage; and means under control of the accumulator to automatically release the manually set mechanism for return to normal.

2,408,098
DUAL MOTOR CONTROL
Pierre Schon, Indianapolis, Ind., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind., a corporation of Indiana
Application September 14, 1942, Serial No. 458,288
4 Claims. (Cl. 60—97)

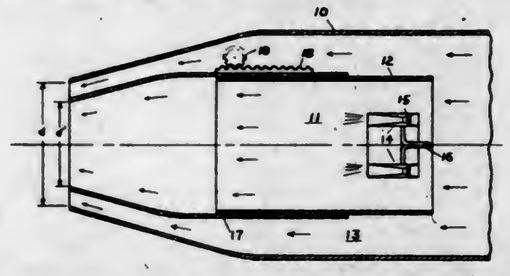
1. Means for selectively controlling two independent power units which comprises, a shaft having means by which it may be oscillated, two arms journalled on said shaft and each connectible to control means of a power unit, two clutch

elements independently splined on said shaft, and means including a single control element by



which said clutch elements, either or both, may be selectively associated with said arms.

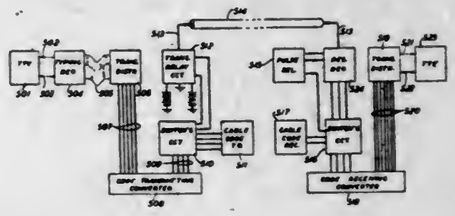
2,408,099
VARIABLE-AREA NOZZLE FOR JET-PROPELLED AIRCRAFT
Albert Sherman, Hampton, Va.
Application April 7, 1943, Serial No. 482,221
2 Claims. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A jet propulsion unit comprising, an outer cylinder-like shell for admitting and directing the flow of gaseous fluid therethrough, the exhaust end of said shell being tapered, a cylindrical shell forming a combustion chamber disposed within said outer shell and arranged concentrically therewith, said combustion chamber being open at both ends, an inner shell having a cylindrical portion and a tapered portion, said cylindrical portion being fitted upon the exhaust end of said combustion chamber shell with said tapered portion extending rearwardly for cooperation with the tapered portion of said outer shell to thereby constitute a variable area exhaust nozzle, and means for adjusting said inner shell axially to thereby vary the discharge area of said nozzle.

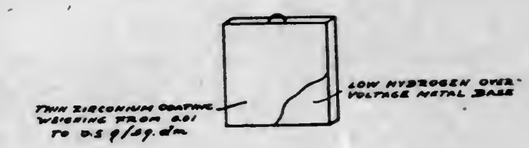
2,408,100
TELEGRAPH PERMUTATION CODE SIGNAL TRANSLATOR
Frank F. Shipley, Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 28, 1944, Serial No. 533,106
8 Claims. (Cl. 178—3)

1. In a telegraph system, a source of five-element two-current condition permutation code telegraph signals, a telegraph signal code translator, a telegraph channel, means connected to said source for impressing said signals on said translator, means in said translator for converting certain of said five-element signals into three-element permutation code telegraph signals and

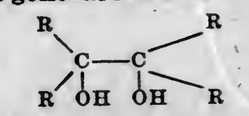


others of said five-element signals into four-element permutation code telegraph signals, and means connected to said translator for impressing said three-element signals and said four-element signals on said channel.

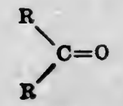
2,408,101
ELECTROLYTIC PRODUCTION OF PINACOLS
Ober C. Slotterbeck, Rahway, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 11, 1942, Serial No. 450,519
6 Claims. (Cl. 204—77)



1. In the process of producing glycols corresponding to the general formula



wherein R stands for a member of the group consisting of alkyl and aryl radicals and substituted alkyl and aryl radicals by the electrolytic reduction of an aqueous acid solution of a ketone of the formula

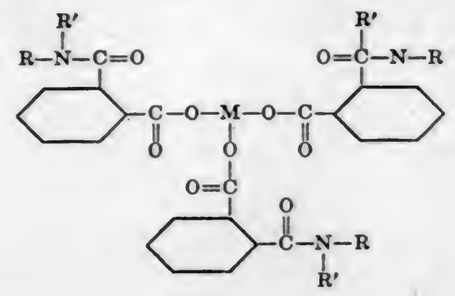


wherein R stands for a member of the group consisting of alkyl and aryl radicals and alkyl and aryl radicals substituted by a group which is not reducible under the reaction conditions, the improvement which comprises effecting the said reduction at a cathode consisting of copper coated with zirconium.

2,408,102
OIL COMPOSITIONS
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., and John G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 19, 1945, Serial No. 583,658
8 Claims. (Cl. 252—35)

1. An improved mineral oil composition comprising a major amount of a mineral oil and a minor amount of an oil-soluble trivalent metal

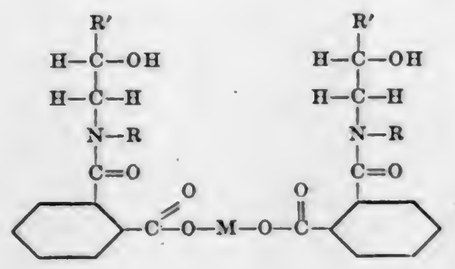
salt of N-alkyl, alkylol ortho phthalamidic acid, said metal salt having the following formula



wherein M is a trivalent metal, R is an alkyl group and R' is an alkylol group, and the amount of said metal salt being sufficient to impart corrosion-inhibiting properties to the improved oil composition.

2,408,103
MINERAL OIL COMPOSITION
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., and John G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 19, 1945, Serial No. 583,659
5 Claims. (Cl. 252—39)

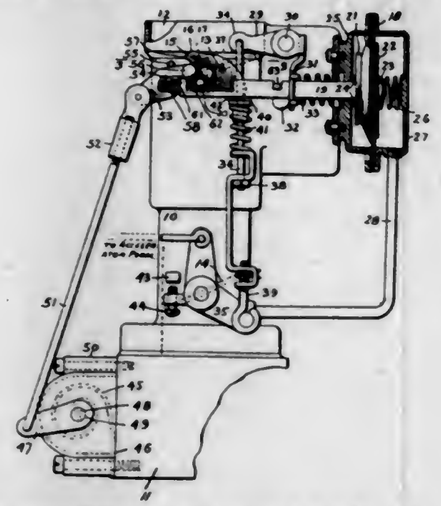
1. An improved mineral oil composition comprising a major amount of a mineral oil and a minor amount of an oil-soluble divalent metal salt of N-alkyl, alkylol ortho phthalamidic acid, said metal salt having the following formula



wherein M is a divalent metal, R is an alkyl group containing 8 to 22 carbon atoms and R' is hydrogen or an alkyl group, and the amount of said metal salt being sufficient to impart corrosion-inhibiting properties to the improved oil composition.

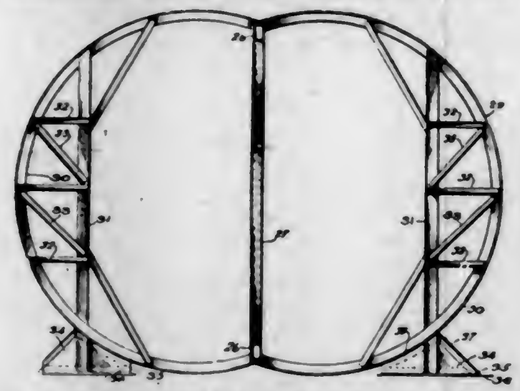
2,408,104
FUEL MIXTURE CONTROL
Warren F. Stanton, Pawtucket, R. I., assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y., a corporation of Delaware
Application January 20, 1933, Serial No. 652,731
30 Claims. (Cl. 123—119)

1. Fuel control means for engines comprising a fuel conditioning device for delivering the conditioned fuel to the engine, two valves associated with said device in the line of flow of fuel-forming elements to and through said device, automatic valve-moving means subject to intake pressure at a point beyond said device for causing fuel conditioning movement of said valves, a yielding connection between such means and one of said valves to permit a lag in its initial movement, and temperature responsive means



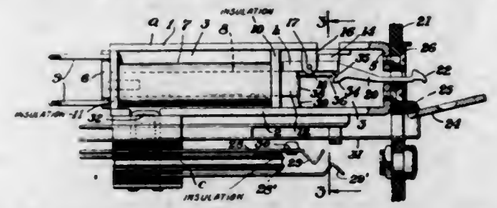
acting to modify the action of said valve-moving means.

2,408,105
STORAGE TANK
Howard A. Starret, United States Army
Application October 16, 1941, Serial No. 415,229
3 Claims. (Cl. 220—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



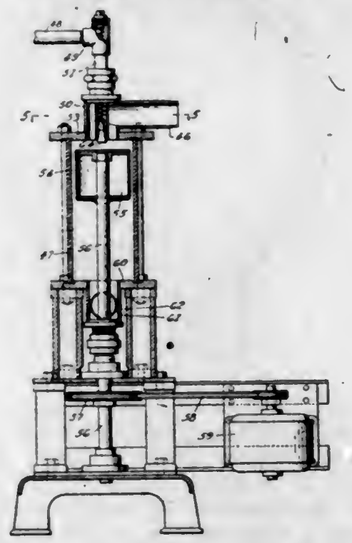
1. A tank for storage of pressure fluids and for mounting independently of translative movement of earth thereunder, comprising a wall skin portion having the form of two intersecting horizontal and parallel cylinders closed at the ends by wall portions each having the form of intersecting hemispheres concentric with and of the same radius as the cylinders, and a multiplicity of interior frames spaced horizontally throughout the cylindrical and spherical parts, each of said frames including identical circular truss parts abutting and conforming to the circular form of the said wall skin in a plane normal to the abutted wall skin parts, said truss parts intermediately of said ends being opposed in pairs abutting at upper and lower intersections of their circular parts at a vertical chord coincident with the intersections of said cylinders, each said truss part including a vertical compression member spaced outwardly of said chord and having supporting relation to the upper and lower parts of each said circular truss part and respective adjacent wall skin parts, each said vertical compression member having an external lower leg continuation fixed rigidly with the respective truss part and braced to prevent horizontal displacement of the leg relative to the tank, each said external leg continuation having a foot plate adapted to rest and slide on a horizontal bed and positioned to support the tank clear of subjacent earth, whereby the tank may be set up and maintained free of damage by shock waves and abrupt horizontal displacements of earth under and in relation to any of said foot plates.

2,408,106
DROP SIGNAL WITH VIBRATION LOCK
Franklin A. Stearn, Westfield, N. J., assignor to Federal Telephone & Radio Corporation
Application May 26, 1944, Serial No. 537,518
6 Claims. (Cl. 177—329)



1. A drop signal comprising a pivotally supported drop shutter, a magnet, a movable armature latch element operatively coacting with the shutter to effect release of the shutter on energizing of the magnet and to lock the shutter when the magnet is de-energized and supplemental locking means operative normally to lock the movable armature and to effect release thereof responsive to energizing of the magnet.

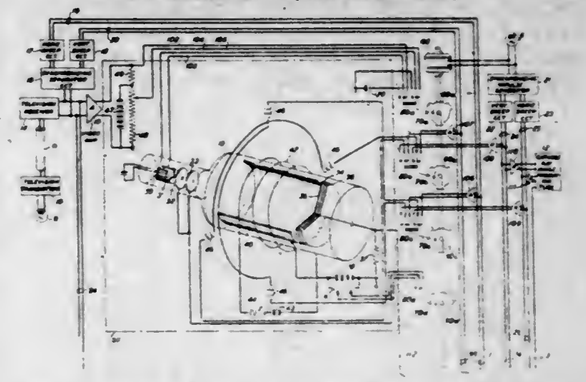
2,408,107
APPARATUS FOR MIXING AND FILLING BEVERAGES
Robert J. Stewart, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application February 14, 1940, Serial No. 318,964
8 Claims. (Cl. 259—8)



2. A device for mixing liquids comprising a cylindrical chamber, a cylinder rotatable in the chamber and spaced from each end thereof, means to rotate the cylinder, and inlets for the liquids to be mixed at one end of the chamber, at least one of the inlets being arranged to deliver liquid to the chamber at a point offset with respect to the axis of the rotatable cylinder.

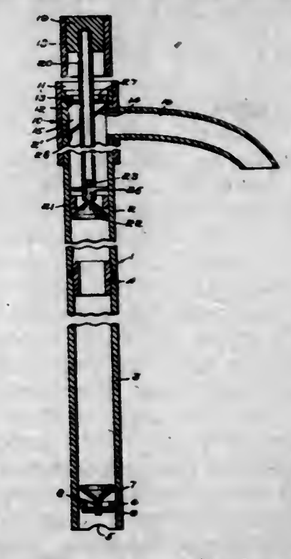
4. In an apparatus for mixing liquids, a plurality of sources of liquids to be mixed, a liquid mixing means, a plurality of liquid flow lines, each flow line extending between one of said sources and said liquid mixing means, means in each line to move a liquid therethrough, a measuring means in each line, and means controlled by said measuring means to hold all of said liquid moving means at such relative speeds as to maintain a predetermined ratio of flow from said measuring means.

2,408,108
TELEVISION IMAGE PRODUCTION
Gordon K. Teal, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1943, Serial No. 486,533
20 Claims. (Cl. 178—6.8)



1. In a television system, the combination with means for repeatedly scanning an object field in parallel elemental lines to produce an image current, of three separate beams at a receiving point for making separate records of variations of said current and for later reading the records at twice the speed of recording, and means for causing two of said last-mentioned means to record the same variations during half of a field scanning period while the third means reads a record which was previously made by it and for causing said third one of said means to record and one of the two others to change from recording to reading at the beginning of the second half of the field scanning period.

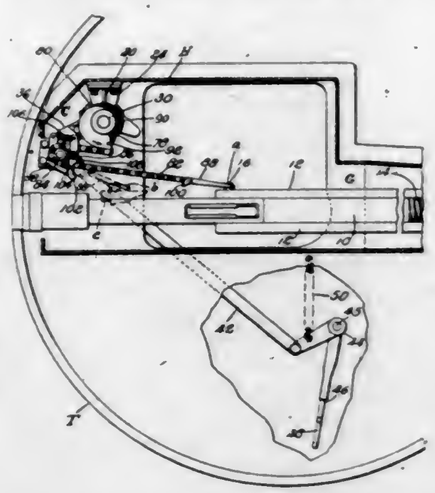
2,408,109
PUMP
Willis F. Thompson, Portland, Maine, assignor to The Alden Speare's Sons Co., Cambridge, Mass., a corporation of Massachusetts
Application March 13, 1945, Serial No. 582,559
3 Claims. (Cl. 103—178)



1. In a pump having a cylinder and operating mechanism which includes a reciprocating piston

and piston rod, means forming an end closure for the cylinder through which the piston rod slidably extends, and comprising a baffle plate and a deflecting plate both fixedly arranged within the cylinder and spaced from one another to form with the cylinder a chamber interposed between said plates, the deflecting plate forming the bottom of said chamber having within it a vent opening by which liquid accumulating within the chamber may be withdrawn from it during the downward reciprocation of the piston.

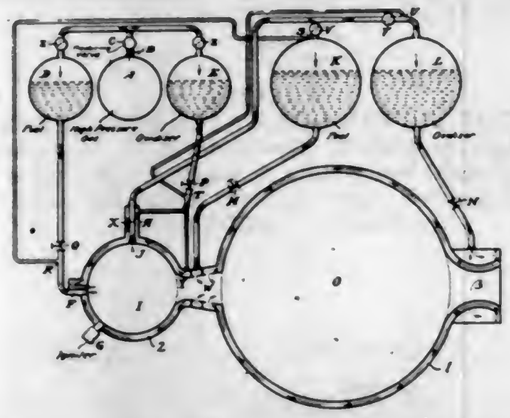
2,408,110
GUN-CHARGING MECHANISM
Frank R. Thresh, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 10, 1944, Serial No. 544,207
15 Claims. (Cl. 89—1)



1. In combination, a gun including breech mechanism and a counter-recoil-spring therefor, and means for actuation by an operator to apply to the spring a loading force, said means comprising means for increasing the applied force as the loading of the spring progresses and ratchet mechanism transmitting the applied force to the force-increasing means.

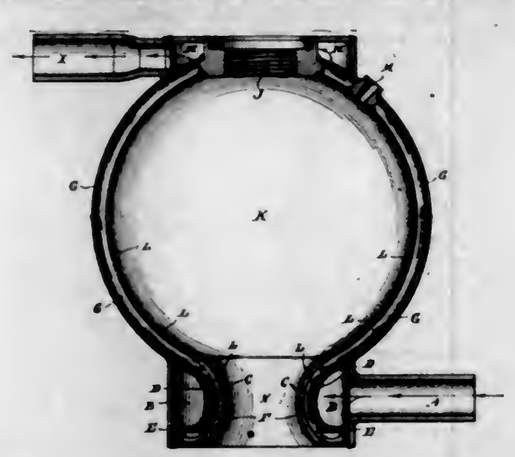
2,408,111
TWO-STAGE ROCKET SYSTEM
Robert C. Truax, Ray C. Stiff, Jr., William Schubert, and James R. Patton, Jr., United States Navy, and Robertson Youngquist, Annapolis, Md.
Application August 30, 1943, Serial No. 500,584
3 Claims. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A rocket-type internal combustion engine having a main combustion chamber with a propulsion power nozzle, a supply nozzle therefor, means for supplying combustible fluids thereto, a preliminary combustion chamber for supplying gases of combustion to said supply nozzle for atomizing, mixing and igniting the combustible fluids, a supply nozzle to said preliminary combustion chamber, cooling jackets around said main and preliminary combustion chambers and said propulsion and supply nozzles, through which one of the combustible components for each combustion chamber are passed through the respective cooling jackets for preheating and conditioning said component for more intimate mixture in the respective supply nozzles with its complementary component, main supply tanks for the combustible components for the main combustion chamber, auxiliary supply tanks for the auxiliary combustion chamber, gas pressure



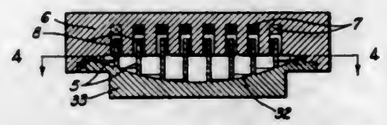
tank for supplying pressure to said auxiliary supply tanks, and connections between the auxiliary combustion-chamber and the main supply tanks for furnishing a portion of the exhaust gases from said chamber to said tanks.

2,408,112
ROCKET MOTOR COOLING SYSTEM
Robert C. Truax, Ray C. Stiff, Jr., William Schubert, and James R. Patton, Jr., United States Navy, and Robertson Youngquist, Annapolis, Md.
Application September 18, 1943, Serial No. 502,922
2 Claims. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



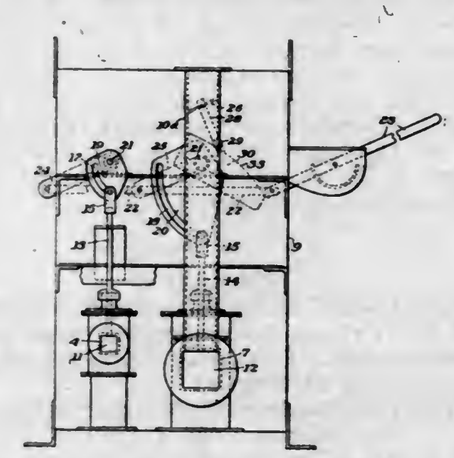
1. In a rocket type internal combustion engine having a combustion chamber and a discharge nozzle, a continuous smooth inner wall formed by a surface of revolution about the axis of the nozzle, the generatrix of said surface being a curve concave opposite its combustion chamber end and convex opposite its nozzle portion, a continuous unobstructed jacket for a cooling medium around said wall, an annular chamber around the nozzle portion of said jacket, having an inlet at one side and outlet passages to the jacket, distributed around the end of the nozzle, so as to provide a uniform delivery of the cooling medium to said end of the jacket, the centrifugal force created by the motion of the cooling medium along the convex curve of the jacket causing the cooling medium to adhere to the wall surrounding the nozzle and increasing the heat transfer and decreasing the possibility of bubbles forming on that surface.

2,408,113
APPARATUS FOR SUBMARINE SIGNALING
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application July 22, 1939, Serial No. 285,910. Divided and this application August 26, 1941, Serial No. 408,370
9 Claims. (Cl. 177—386)



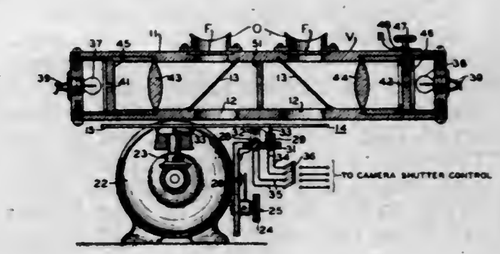
1. A compressional wave signaling device having a transmitting and/or receiving member with a continuous finite transmitting and/or receiving surface adapted to contact the signaling medium, said surface having dimensions greater than the wave length of the compressional waves of the signaling frequency as measured in the signaling medium, and means for vibrating and/or producing electrical response to vibration of said surface including a plurality of electroacoustic transducer elements mounted on and distributed over the opposite side of said member, each of said elements together with that portion of the mass of said member associated therewith forming a one-half wave length vibrating system at the signaling frequency, the mass ratios of the several transducer elements varying progressively over the area of said member in accordance with a predetermined law.

2,408,114
FURNACE ATMOSPHERE CONTROL
Norman J. Urquhart, Scenery Hill, Pa., assignor to Steel Processing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 14, 1944, Serial No. 549,396
4 Claims. (Cl. 158—119)



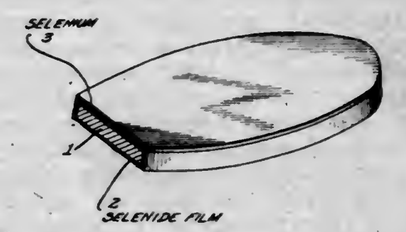
1. In combination with valved fuel and air lines arranged to convey a proportioned supply of fuel and air under controlled pressure to a furnace, and interconnected valve-operating means arranged to be actuated proportionally to open and close the valves of said fuel and air lines for different rates of air-fuel supply, a rectifying assembly comprising an air relief duct in communication with the said air line, a rectifying valve controlling air flow through said relief duct, and a rectifying control element mechanically connected with said rectifying valve and having means for moving it proportionally with movement of the said interconnected valve-operating means, said control element being calibrated to a desired furnace atmosphere with respect to related positions of the valves of the fuel and air lines and the said rectifying valve, to give at the furnace a proportion of air to fuel rectified to the desired furnace atmosphere at the different rates of air-fuel supply.

2,408,115
STEREOSCOPIC VIEWER
Russell H. Varian, Wantagh, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 25, 1943, Serial No. 480,575
5 Claims. (Cl. 88—2.6)



1. A unitary range finder and stereoscopic viewer for observers on vehicles traveling transversely of a line of sight to an object, comprising a non-prismatic binocular device having a pair of oculars through which the observer may view said object, shutter means operable to provide a brief exposure of the view through each ocular, adjustable speed-control means for said shutter for recurrently operating the same to provide successive exposures of each ocular and thereby give a resultant series of overlapping views simulating a stereoscopic view of the object on which the eyes of the observer may converge, and a calibrated range-measuring system in the optical system of the viewer having visual indices adjustable in the line of sight to coincidence with the said stereoscopic image and focus the same in the viewer, and simultaneously determine the range distance to said object.

2,408,116
SELENIUM COATED ELEMENTS AND METHOD OF MAKING THEM
Arthur von Hippel, Weston, Mass., assignor to Federal Telephone & Radio Corporation, a corporation of Delaware
Application July 12, 1941, Serial No. 402,103
10 Claims. (Cl. 148—6)

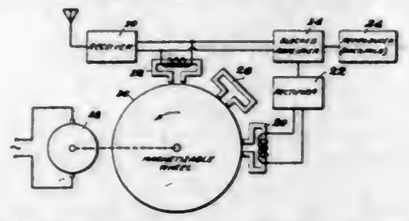


1. In the coating of metal surfaces for the production of selenium coated plates the steps which comprise treating the metal surface with a solution containing a form of selenium to form a metal-selenium compound thereon and thereafter coating the treated surface with selenium.

2,408,117
METHOD AND MEANS FOR THE REPRODUCTION OF INTELLIGENCE

Norman H. Young, Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application February 20, 1943, Serial No. 476,604
10 Claims. (Cl. 178—7.3)

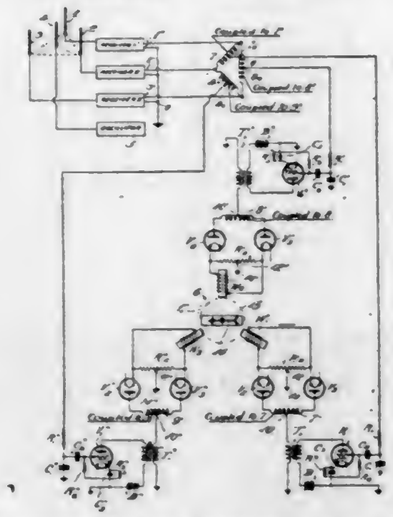


1. An intelligence reproducing system including, in combination, a receiver, a normally blocked amplifier connected to said receiver, an intelligence reproducer connected to said amplifier, movable signal-recording means, a recorder connected to said means for impressing received signals thereon, a pick-up device positioned adjacent said means and spaced from said recorder in the direction of movement of said means for reproducing the recorded signal, and means activated by said pick-up device for unblocking said amplifier.

2,408,118
AZIMUTH RADIO DIRECTION FINDING SYSTEM

Walter H. Wirkler, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa

Application February 14, 1939, Serial No. 256,339
16 Claims. (Cl. 250—11)

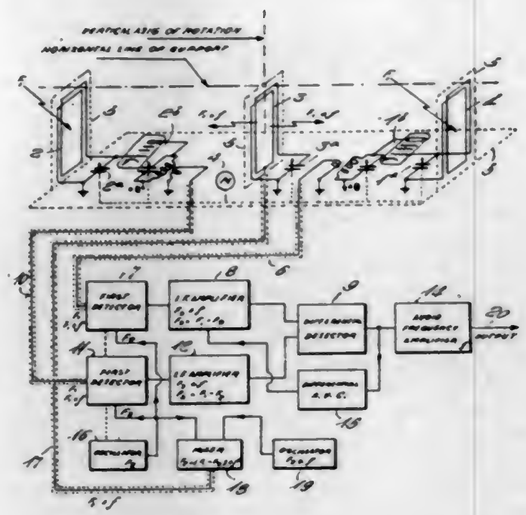


1. A direction finding system comprising a plurality of stationary geographically spaced receiving antennae, an injector antenna centrally disposed with respect to said receiving antennae, means for electrically exciting said injector antenna for impressing heterodyning energy upon said plurality of geographically spaced receiving antennae, independent receiving circuits connected with said plurality of geographically spaced receiving antennae, a polyphase circuit interconnected with the outputs of said independent receiving circuits, an angularly shiftable indicator, and means for magnetically controlling said indicator connected with said polyphase circuit whereby said indicator may be moved to a position corresponding to the position of a radio transmitting source with respect to said stationary geographically spaced receiving antennae.

2,408,119
HETERODYNE RADIO DIRECTION FINDING SYSTEM

Walter H. Wirkler, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa

Application May 16, 1939, Serial No. 274,039
8 Claims. (Cl. 250—11)



1. In a radio direction finding system, the method of determining the radio frequency time-phase of signal voltages induced in different parts of a directional antenna system which comprises supplying radio frequency energy locally in equal relation to the different parts of the antenna system for inducing therein second voltages of like phase characteristics, the frequency of said locally supplied energy being different from that of the signal energy in a relatively small degree, separately mixing the voltages induced in each part of the antenna system to obtain separate low frequency components the phase relation of which is the same as that of the signal voltages induced in the different parts of the antenna system, said low frequency being equal to the difference in frequency of the signal energy and the locally supplied energy, combining said low frequency components, and indicating the phase relation of said low frequency components as a function of the resultant derived from the combination of said components.

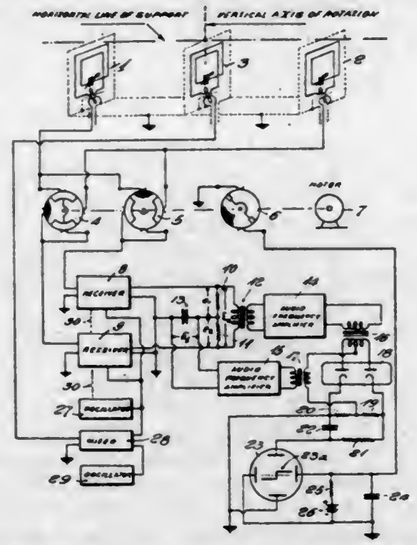
2,408,120
RADIO DIRECTION FINDING SYSTEM

Walter H. Wirkler, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa

Application September 12, 1939, Serial No. 294,522
13 Claims. (Cl. 250—11)

1. In a radio direction finding system, a directional antenna system including at least two receiving antennae, two separate receiving circuits, commutator means for alternately connecting said receiving circuits individually to each of said receiving antennae, means cooperatively energized by the outputs of both said receiving circuits for producing a voltage proportional to the phase difference of the signals received at the respective antennae, and visual indicating means energized by said voltage with said commutator means producing a reversal in the sense of the indication of said voltage upon the alternate connection of said receiving circuits with respect to said antennae.

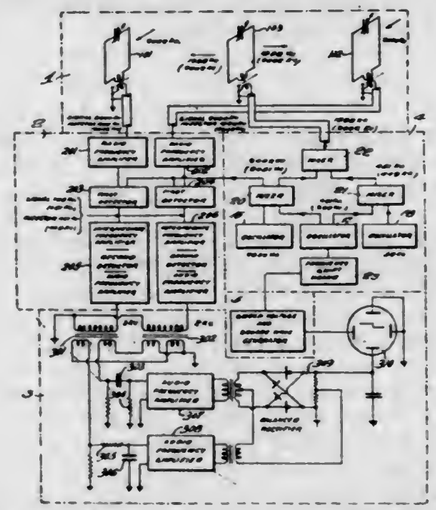
13. In a heterodyne radio direction finding system, a directional antenna system including at least two signal receiving antennae and a locally energized injector antenna coupled in like relation to both said receiving antennae, separate receiving circuits including detector means for said receiving antennae, commutator means for alternately connecting said receiving circuits individually to each of said receiving antennae, said receiving circuits having heterodyne audio frequency output currents derived in said detector means from received signal energy and energy from said injector antenna and varying in phase relation as the signals received at the respective receiving antennae, rectifier means cooperatively energized by both said currents for producing a direct voltage proportional to the phase difference in the currents, and visual indicating means energized by said voltage and adapted to indicate direction through both the polarity and magnitude of said direct voltage.



2,408,121
DIRECTION FINDING SYSTEM WITH FREQUENCY SHIFT

Walter H. Wirkler, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa

Application March 30, 1940, Serial No. 327,011
17 Claims. (Cl. 250—11)

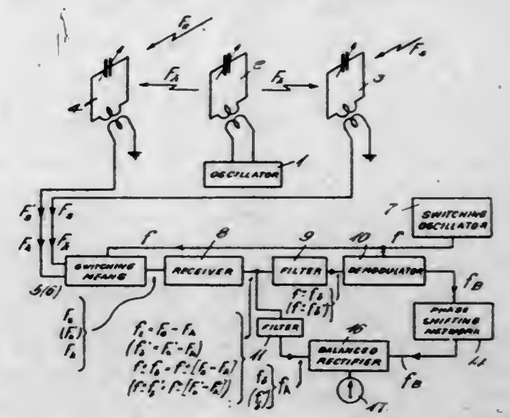


1. In a heterodyne radio direction finding system including at least two receiving antennas and superheterodyne receiving circuits, locally energized injector antenna means coupled in like relation to said receiving antennas, each of said superheterodyne receiving circuits having components of intermediate frequency derived from signal energy and from injected energy, means for producing an indicating direct voltage proportional to the phase difference in the currents at the outputs of the superheterodyne receiving circuits, and visual indicating means energized by said voltage; the method of maintaining the significant phase difference in said output currents substantially equal to an off-bearing phase difference in signal waves incident at said receiving antennas which consists in shifting the frequency of the injection energy through a predetermined frequency range for producing intermediate frequencies in the receiving circuits such that the signal derivative has a frequency alternately higher and lower than the injection derivative in each of said receiving circuits, the output currents being advanced in phase when the signal derivatives are of higher frequency and retarded in phase when the signal derivatives are of lower frequency by an amount in each instance proportional to the off-bearing phase displacement of the signal wave at the respective antenna, whereby the phase difference of the signal waves at the antennas may be determined from the relative phases of the output currents of said receiving circuits.

2,408,122
HETERODYNE DIRECTION FINDER WITH SINGLE RECEIVER

Walter H. Wirkler, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa

Application November 15, 1940, Serial No. 365,826
16 Claims. (Cl. 250—11)



1. In a heterodyne radio direction finding system, in combination: a directional antenna system, including a pair of signal receiving antennae and a locally energized injector antenna coupled in like relation to both said receiving antennae; a receiving circuit including detector means; switching means for connecting said receiving circuit alternately with each of said receiving antennae for producing heterodyne output beat frequency components, derived in said detector means from received signal energy and energy from said injector antenna, and varying in phase relation as the signals received at the respective receiving antennae; said beat frequency components being interrupted at the frequency of said switching means and constituting amplitude modulation sidebands of the switching frequency proportional in amplitude to the phase relation of said beat frequency components; means for detecting said modulation sidebands for producing a beat frequency current proportional in ampli-

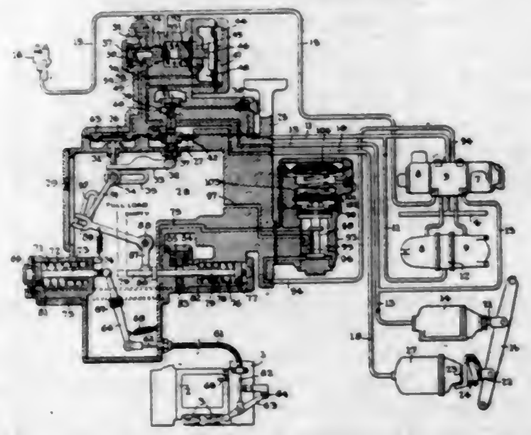
tude to the phase relation of said received signals; said beat frequency components, pulsating at said switching frequency, comprising together a continuous wave constituting an average beat frequency current of effectively fixed phase; balanced rectifier means cooperatively energized by both said beat frequency currents in substantially like phase for producing a direct voltage proportional to the phase relation of said received signals, and direction indicating means energized by said direct voltage.

2,408,123

VARIABLE LOAD BRAKE

Lynn I. Pickert, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application December 9, 1944, Serial No. 567,337
7 Claims. (Cl. 303—22)



1. In a variable load air brake for vehicles, the combination of a load sensing member guided in a definite path between limiting positions, one of which is an empty and the other a full-load position; means for positioning said load sensing member between said limits in approximate proportion to the load on the vehicle; a relay for controlling braking pressure in response to a controlling pressure, said relay including a variable ratio lever mechanism having a controlling part which is shiftable to vary the ratio of braking pressure to controlling pressure, the ratio changing at a varying rate as the controlling part is moved; and a motion-modifying setting means interposed between said sensing member and said controlling part and adapted substantially to neutralize said variation of rate, whereby said ratio will be controlled substantially in proportion to the sensed load.

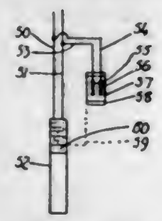
2,408,124

MEANS FOR SAFEGUARDING ELECTRIC IGNITERS OF BLASTING DETONATORS AGAINST ACCIDENTAL FIRING

Hans Jay Rolfes, Melrose, Johannesburg, Transvaal, Union of South Africa

Application August 18, 1942, Serial No. 455,235. In the Union of South Africa September 11, 1941
4 Claims. (Cl. 102—28)

1. An electric igniter of a blasting detonator in a combination with means by which it is safeguarded against accidental firing by electric shock or spark discharges produced respectively in, or in the vicinity of, the firing means of the igniter by atmospheric electricity, comprising a coherer mass which is in electrical cooperation with insulated conductive branches connected with each lead of the igniter, said branches having bared parts surrounded by the coherer mass, a conductive grounded casing conductively connected to a conductive shell of the igniter, the coherer mass including a metal powder offering a substantially



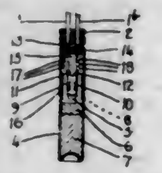
complete resistance to voltages of the magnitude used for firing the igniter and which, on being subjected to voltages substantially higher than said firing voltages, becomes locally conductive through coherer action along a path permitting the passage of the high voltage charge.

2,408,125

MEANS FOR SAFEGUARDING ELECTRIC IGNITERS OF BLASTING DETONATORS AGAINST ACCIDENTAL FIRING

Hans Jay Rolfes, Melrose, Johannesburg, Transvaal, Union of South Africa

Application August 18, 1942, Serial No. 455,236. In the Union of South Africa September 11, 1941
15 Claims. (Cl. 102—28)



1. Means for safeguarding the firing means of blasting detonators against static charges, including a safeguarding material of a nature to provide high resistance against current voltages for intentional firing and low resistance to higher voltages of a static charge, means for grounding said safeguarding means, electric leads for the firing means, said leads having bared parts surrounded by the safeguarding material at a distance from the firing means, and discharge points in electrical continuity with said bared parts of such leads to thereby increase the static voltage discharge through said material.

2,408,126

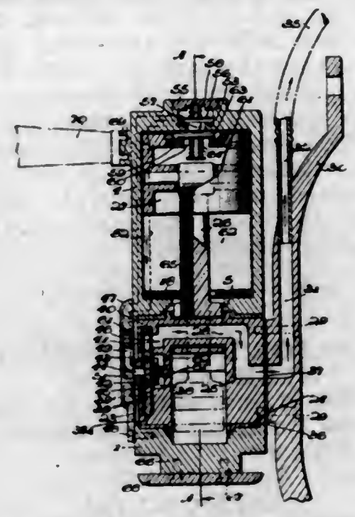
APPARATUS FOR INFLATING TIRES

Georges Charles Schüle, Buenos Aires, Argentina

Application January 13, 1944, Serial No. 518,134
4 Claims. (Cl. 152—419)

1. An apparatus carried by a wheel of a vehicle for inflating the tires thereof while the vehicle is in motion, comprising: a compressor assembly including, a crank-case formed to provide a crank-shaft journal bearing and also to provide an air intake chamber and a compressed air filtering chamber; a crank-shaft journaled in said crank-case and having an air duct, a cylinder including a head surmounting the crank-case and in ported communication at its lower end with said air intake chamber of the crank case, a piston slidable in the cylinder, a valve in the piston spring-urged to open on its inward stroke to receive air from the air intake chamber and to close on the outward compression stroke of the piston, said cylinder head having a valve

chamber which receives air compressed by the outward stroke of the piston, and the wall of the said cylinder having a vertical passage including inlet and outlet ends and which inlet end communicates with said valved chamber, a cover plate secured to the crank-case over the outer end of the journal bearing, said cover plate having radial ducts converging inwardly to a central transverse duct, one of said radial ducts communicating with the outlet end of said vertical passage of the cylinder and the other communicating with said air filtering chamber, an air transfer unit disposed between one end of the crank-shaft and the cover plate, said unit including a ported semi-spherical extension whose port registers with the central



transfer duct of the cover plate, and said unit also having duct means leading to the duct of the crank-shaft, a bracket for mounting the compressor unit on the wheel of the vehicle, said bracket being keyed to the journal portion of the crank-shaft and having a conduit communicating with the outlet end of the duct of the crank shaft, a tubular flexible connection between the bracket and the tire of the wheel on which the bracket is mounted, a rod connecting the compressor assembly to a fixed part of the vehicle to maintain said assembly stationary relative to the crank-shaft, and a flexible connection leading from said air filtering chamber to the tires on other wheels of the vehicle.

2,408,127

CONDENSATION PROCESS

George W. Seymour and Victor S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application June 12, 1943, Serial No. 490,674
14 Claims. (Cl. 260—635)

1. Process for the production of high molecular weight polyene aldehydes, which comprises subjecting crotonaldehyde to a condensation reaction in a reaction medium comprising water, a lower aliphatic alcohol and a condensation catalyst comprising a member of the group consisting of secondary amines and salts thereof, the water produced by said condensation reaction being maintained in the reaction medium during the course of said reaction.

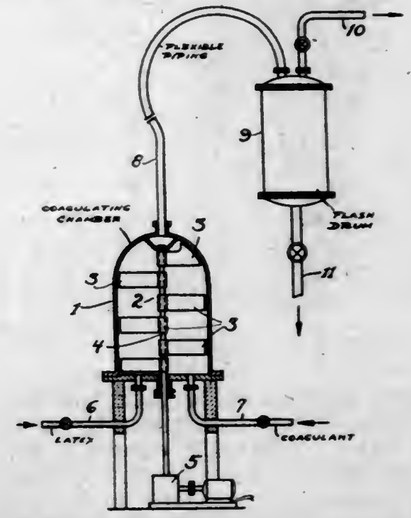
11. Higher molecular weight mono- and polyhydroxy alcohols prepared by subjecting crotonaldehyde to a condensation reaction in a reaction medium comprising water, a lower aliphatic alcohol and a condensation catalyst comprising a member of the group consisting of secondary amines and salts thereof, the water produced by said condensation reaction being maintained in the reaction medium during the course of said reaction, and subjecting the compounds thereby obtained to hydrogenation.

2,408,128

COAGULATION PROCESS

Walter Squires, Jr., and Paul T. Parker, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

Application October 24, 1942, Serial No. 463,146
5 Claims. (Cl. 260—96)



1. The process of preparing synthetic rubber-like materials, which comprises passing a stream of coagulant and a stream of a latex obtained by the polymerization of a diolefin in aqueous emulsion, said latex containing some low-boiling unpolymerized diolefin, into a coagulation zone at a low linear speed, agitating the latex and coagulant in the coagulation zone for a period sufficient to cause uniform intermixing of the latex and coagulant and under a hydrostatic pressure imposed by a liquid column containing coagulate which has left said zone, said pressure being sufficient to prevent the unpolymerized low-boiling diolefin from flashing off in said zone, and discharging the stream of coagulate and aqueous suspension medium against a gradually diminishing hydrostatic head outside the coagulation zone, whereby the unpolymerized low-boiling diolefin is permitted to vaporize and agitate said liquid column.

2,408,129

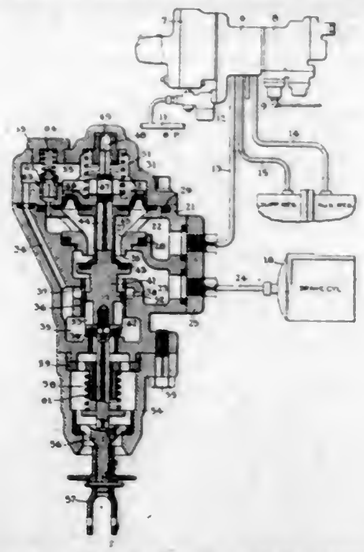
AIR BRAKE

Henry Norton Sudduth, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application January 1, 1945, Serial No. 570,815
10 Claims. (Cl. 303—68)

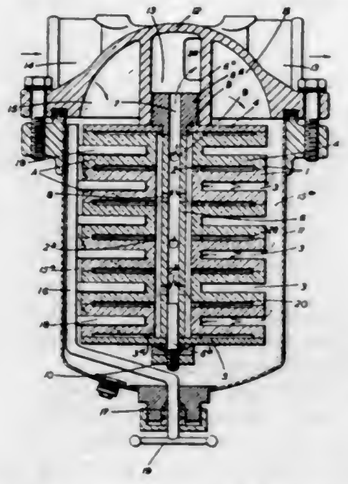
1. The combination of a brake pipe adapted to be operated at two different running pressures; a brake controlling valve device of the automatic type connected with said brake pipe and capable of being controlled by reductions and restorations of pressure in said brake pipe from and to either of said running pressures; reservoir means arranged to be charged through said valve device and comprising at least one reservoir; a brake cylinder operable under control of the valve device by air derived from said reservoir means; a relief valve adapted to open when subjected to

pressures exceeding a chosen value which is lower than the lower of said two brake-pipe running pressures; release valve means having a normal position in which it connects the brake cylinder to be controlled by said controlling valve device, the release valve means being movable from said normal position to an abnormal position in which it disconnects and vents the brake



cylinder and establishes a path through which reservoir pressure may be reduced by flow through the relief valve; manually operable means for shifting said release valve means to and leaving it in said abnormal position; and means rendered effective by the development of releasing pressure in the brake pipe to restore said release valve means to normal position.

2,408,130
FILTER CLEANING MECHANISM
Cecil Gordon Vokes and Edward Arthur Stokes, London, England; said Stokes assignor to Vokes Limited, London, England
Application September 1, 1943, Serial No. 500,872
In Great Britain September 17, 1942
6 Claims. (Cl. 210—116)

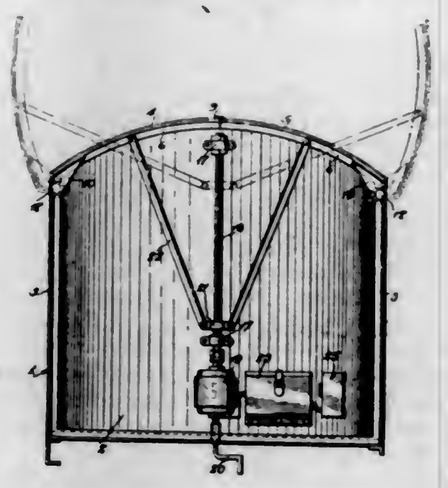


3. A filter unit made up of a series of independent discs, supported in relatively superimposed relation, each disc having an inner peripheral surface defining a central opening, each disc having an outer peripheral surface defining an annular outer margin with the said outer margin formed with an annular channel defining a filter entrance channel with the said channel extending through the outer peripheral surface of the disc, toward, but not through, the outer peripheral surface of the disc, each disc being formed in its upper and lower surfaces with elements providing axially extending ribs adjacent the outer periphery of each disc and further formed with additional axially extending ribs on said upper and lower surfaces adjacent the inner periphery of each disc, with such additional ribs having radially extending channels therethrough to afford communication with said central opening and the annular space between said ribs, the ribs at the outer margins of the superimposed discs abutting when the discs are assembled, to provide a seal at one end of an inner channel formed between approximate faces of adjacent superimposed discs when discs are assembled, means to direct a fluid to be filtered, to the entrance channels whereby the fluid is directed from the entrance through the body of the discs and into the inner channels between adjacent discs and to the central openings of the discs when assembled, and means extending longitudinally of the central opening of the discs to receive the fluid directed into said central opening from the discs and to direct the same outwardly beyond the discs for discharge.

2,408,131
PROCESS FOR DEHYDROGENATING HYDROCARBONS
Alexis Voorhies, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 21, 1941, Serial No. 415,903
4 Claims. (Cl. 260—683.3)

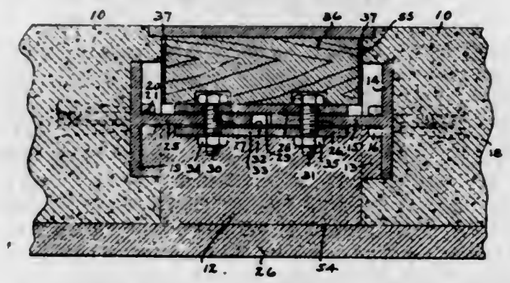
3. The process of dehydrogenating hydrocarbons having from 2 to 5 carbon atoms which comprises passing the hydrocarbons at dehydrogenating temperatures and pressures over a catalyst which consists of a major proportion of aluminum oxide and minor substantially equal proportions of chromium oxide and nickel oxide and which has been heated to a temperature between 1800° and 2000° F.

2,408,132
AUTOMATIC TOP
Sanford J. Weeks, Elyria, Ohio
Application April 20, 1945, Serial No. 589,379
3 Claims. (Cl. 296—137)



1. A top door structure for vehicle bodies comprising first and second arcuate rigid plate members, transverse members secured to each of said plate members at spaced points, gussets secured adjacent the outer extremities of said transverse members, sleeves secured to each of said gussets, first and second side walls for said body, additional sleeves extending the full length of each of said side walls at the top thereof, and having cut-away portions of a dimension to permit alignment of said first-mentioned sleeves therewith, said first-mentioned sleeves and said additional sleeves being of substantially the same interior and exterior diameter, shafts extending the full length of each side wall through aligned first-mentioned and additional sleeves, and means securing said first-mentioned sleeves to said shafts, said shafts being freely rotatable in said additional sleeves to form a water-tight hinge structure extending the full length of said vehicle body.

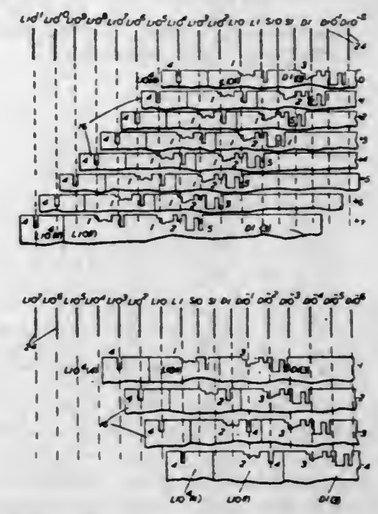
2,408,133
PAVEMENT SLAB CONNECTING MEANS
Franklin W. Abel, Franklin, Ind.
Application May 16, 1945, Serial No. 593,997
8 Claims. (Cl. 94—8)



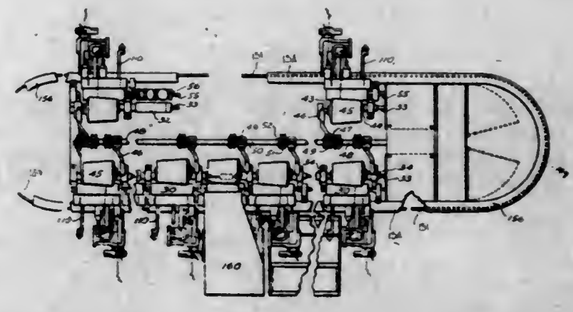
1. A longitudinally yielding, vertically fixed connector of pavement slabs, comprising a pair of tongues each carried by a slab; a base on each tongue rigidly securing it to its respective slab to have the tongue extend therefrom in longitudinal alignment with the other tongue between the top and bottom faces of the slabs; a plate overlapping said tongues; bolts extending through said plate and said tongues to maintain vertical alignment of said tongues, said bolts fitting through said plate and tongues with lost motion to permit limited longitudinal travel of one tongue in respect to the other; and means interposed between said plate and tongues to maintain slidable surfaces therebetween; one of said slabs at least being provided with a well into which the opposing ends of said tongues extend; a well cover seated over said tongues; cover anchor means within said well and fixed to the slab thereof; and means interengaging said cover and said anchor means.

2,408,134
CALCULATING MACHINE
Daniel Broido, Cockfosters, near Barnet, England
Application January 13, 1944, Serial No. 518,044
In Great Britain October 21, 1942
16 Claims. (Cl. 235—61)

1. In a calculating machine for non-uniform first factors comprising interrelated decimal and non-decimal denominations and for decimal second factors, set-up means for setting up the values of the first factor, selector elements settable by said set-up means and each associated with a set-up value, each selector element comprising representations of digits of products formed by multiplication of the respective set-up value by the unit values of all denominations, within the machine capacity, of the second factor, said products being expressed in the non-uniform numerical system, a totalising register comprising a plurality of denominational registering elements, sensing elements each operatively associated with a denominational registering element and being spaced laterally of the register by a constant distance in the case of sensing elements associated with registering elements of decimal denominations and by a distance different to said constant distance in the case of sensing elements associated with non-decimal denominations, and a carriage movable in the direction parallel to the register in steps equal to said constant distance into a plurality of positions each associated with a denomination of the second factor, the said carriage serving to change the relative positions of said sensing means and of said selector elements, the said representations being spaced laterally in accordance with said spacing of the sensing elements so that in each carriage position only those representations are aligned with said sensing elements which represent the product of the set-up factor by the unit value of the particular denomination of the second factor associated with this carriage position.



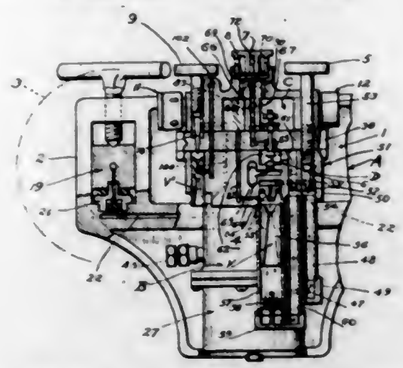
2,408,135
YARN WINDING MACHINE
Louis M. Cotchett, Hingham, Mass., assignor to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts
Original application January 19, 1943, Serial No. 472,862. Divided and this application November 16, 1943, Serial No. 510,471
6 Claims. (Cl. 242—35.6)



1. In a multi-unit winding machine, the combination of a trackway passing a plurality of winding units and below the units, a tender movable on the trackway, a track engaging traction device on the tender and a motor carried in the lower portion of the tender for driving the traction device to move the tender, said traction device including a pair of pulleys riding upon a

part of said trackway and a belt connecting said pulleys and a driving pulley driven by said motor, said belt having one face in frictional contact with part of said trackway.

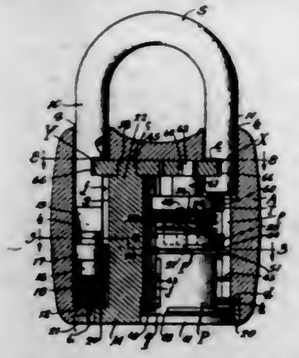
2,408,136
RESUSCITATOR INSUFFLATOR ASPIRATOR
Le Roy G. Fox, Los Angeles, Calif., assignor, by mesne assignments, to E & J Manufacturing Company, Glendale, Calif., a corporation of California
Application December 7, 1942, Serial No. 468,079
3 Claims. (Cl. 128—29)



1. In a machine for selectively effecting resuscitation and insufflation, a supply of gas under pressure, means embodied in the machine for operation responsive to gas from said supply for promoting resuscitation including a mask; hose lines leading from said means to the mask, insufflation means including one of said hose lines for conducting gas from said supply to said mask; a manually operable valve for controlling the flow of gas from said supply to the resuscitation means and the insufflation means; valve means affording exhalation of the patient to atmosphere when the machine is operated as an insufflator, an indicator including a visual member arranged to move responsive to and in accordance with the variational pressures in the machine during resuscitation and insufflation to show the depth and rate of breathing of the patient, and manually adjustable valve means operatively associated with said resuscitation means, said insufflation means and said indicator and which when in one position renders the indicator responsive to the inhalation and exhalation actions of the machine during resuscitation, and when in another position renders the indicator responsive to inhalation and exhalation operations during insufflation.

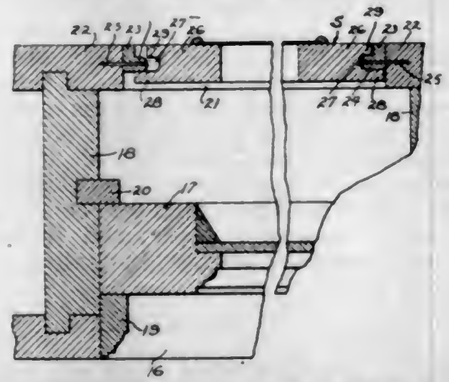
2,408,137
PADLOCK
Raymond K. Gray and Rollin Lester Gray, Chicago, Ill., assignors to The Illinois Lock Company, Chicago, Ill., a corporation of Illinois
Application May 24, 1944, Serial No. 537,114
6 Claims. (Cl. 70—38)

1. In a padlock, a chambered body substantially fully open at one end and having in its opposite end two relative small openings, a shackle having two arms one movable through each small opening into the chamber within the body, an insert movable through the full opening into the body chamber and provided with a base adapted to provide a closure therefor, dual locking devices mounted on the insert for movement within the confines thereof and in one position being engageable with both arms of the shackle to restrain movement thereof, a transmission also mounted on the insert in operative connection with the dual locking devices, spaced stop means confining the rotary movements of the transmission to a relatively wide range, tension means normally urging the transmission to a position of engagement with one stop means in which position the dual locking devices are engaged with both shackle arms, the dual locking devices being removed wholly from the confines of the shackle arms when the transmission is operated to the extreme opposite position in its movement



range whereby to permit the shackle arms to be advanced freely past the dual locking devices, key-controlled rotatable means axially movable toward the transmission to establish operative connection therewith, and spaced stop means confining the rotary movements of the key-controlled means, and thereby the transmission, to a different and relatively narrow range in which the dual locking devices act always to restrain advance of one shackle arm outwardly from the padlock body.

2,408,138
SLIDING WINDOW SCREEN SUPPORTING STRUCTURE
Emil Gutoski, Cicero, Ill.
Application October 28, 1944, Serial No. 560,788
3 Claims. (Cl. 160—369)



3. In the combination of a window frame and a sliding screen, guide strips of L-shape fastened to the side walls of the frame along their outer margins with the bases of the strips towards the outer wall margins and the beads extending at right angles to the side walls, said strips providing inner screen sash bearing surfaces which include the cross-sectional thickness of the bases plus the inner side surfaces of the beads, the side rails of the sash having grooves forming spaced tongues from top to bottom thereof for engaging the strip beads, the tongues engaging with the inner bearing surfaces of the strips being of substantially the same width as the said surfaces and the tongues engaging with the outer bearing surfaces of the strip beads being substantially the same width as the outer surface of the beads, whereby abutment engagement is maintained between the inner tongues and the guide strips during lateral shift of the sash in said frame to thereby prevent outward displacement of the sash from said frame under pressure against the inner sides of the same.

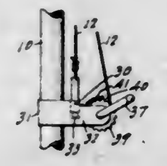
2,408,139
DEHYDROGENATION PROCESS
Carlos L. Gutzeit, Terre Haute, Ind., assignor to Shell Development Company, a corporation of Delaware
No Drawing. Application March 6, 1944, Serial No. 525,299
7 Claims. (Cl. 260—680)

5. A process for the continuous production of a diolefin from the corresponding mono-olefin by catalytic dehydrogenation which comprises continuously contacting a mono-olefin having at least four non-quaternary carbon atoms in a straight chain in the presence of at least two mols of steam per mol of mono-olefin at a temperature above about 580° C. and at a gaseous hourly space velocity between about 300 and 3000 with a dehydrogenation catalyst consisting essentially of an essentially homogeneous mixture of iron oxide, bismuth oxide and potassium oxide, containing said iron oxide as the major constituent and from 1 to 40 mol percent of bismuth oxide and from 0.2 to 5 mol percent of potassium oxide.

2,408,140
DEHYDROGENATION CATALYST
Carlos L. Gutzeit, Terre Haute, Ind., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 18, 1944, Serial No. 554,724
4 Claims. (Cl. 252—230.6)

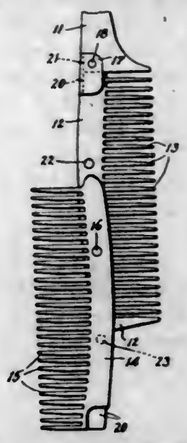
1. A catalyst particularly adapted for effecting dehydrogenation at temperatures above about 580° C. in the presence of steam consisting essentially of a major mol amount of iron oxide, a minor mol amount of an alkaline compound of potassium and a minor mol amount of at least one mol per cent of chromium oxide, the mixture having been calcined at a temperature between about 800° C. and about 950° C. in an atmosphere under which no appreciable formation of iron chromite takes place and for a sufficient length of time to decrease the available surface of the catalyst to below 30 square meters per gram.

2,408,141
TOY
Theodore Heil, Berkeley, Calif.
Application March 7, 1944, Serial No. 525,398
5 Claims. (Cl. 46—45)



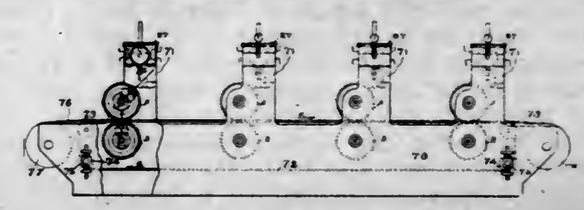
1. A simulative reel mounted on the handle portion of a toy fishing rod and having a socket formed therein to receive the legs of a magnet, and a keeper for the magnet located and fixed in the lower portion of said socket, with the walls of the socket functioning as lateral support for the magnet, and the keeper functioning to secure the magnet in the socket.

2,408,142
COMB
Ernest L. Hollenbeck, Glendale, Calif.
Application September 24, 1945, Serial No. 618,211
3 Claims. (Cl. 132—11)



3. In a comb, a main comb member having a back, teeth on said back and a handle extending from said back, a second comb member having a back and teeth on said back, means pivotally connecting said backs at points intermediate the ends thereof whereby said second comb member may be swung into and out of position lying against one side of said main member with the teeth of said members presented in parallel rows for a joint combing action, a projection on the back of one of said members adapted to engage the back of the other of said members when said members are in side by side position and operating to flex said members, said other member having a depression therein in which said projection extends to hold said comb members in said side by side relation; and a keeper member on said main comb member arranged to embrace the back of the second member to hold it in combing relation to the main comb member.

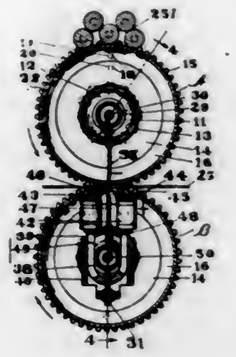
2,408,143
APPARATUS FOR MULTICOLOR PRINTING WITH ELECTRO LINES OF FORCE
William C. Huebner, New York, N. Y.
Application January 15, 1944, Serial No. 518,468
9 Claims. (Cl. 101—181)



1. In printing apparatus, a movable member having image areas permeable to electro lines of force and non-image areas impermeable thereto, a member for supporting print receiving material between it and said movable member; means for inking said image areas while maintaining the non-image areas free of ink and comprising an ink discharge element located on one side of said movable member, means for supplying ink to said element, an attraction element located on the opposite side of said movable member, means for connecting said elements to a source of high potential electric energy to create a field of force with the lines of force thereof intercepted by the impermeable non-image areas but passing through the permeable image areas and acting to deposit ink on said image areas; and means for transferring the deposited ink

from said image areas to said material and comprising a repulsion element operatively associated with said movable member and located on one side of said material, an attraction element operatively associated with said second member and located on the opposite side of said material, and means connecting said repulsion element and said last mentioned attraction element with a source of high potential electric energy to create a field of force in which the lines of force pass through the permeable inked image areas of said movable member and act to transfer the ink from said image areas to correlated areas of said material.

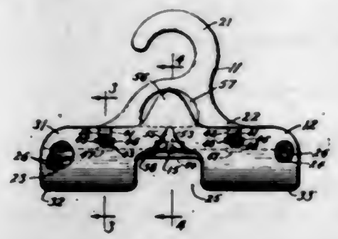
2,408,144
MEANS FOR PRINTING
William C. Huebner, New York, N. Y.
Application January 15, 1944, Serial No. 518,469
11 Claims. (Cl. 101—1)



1. In printing apparatus, a printing couple comprising a movable member, an image on a surface of said member, and a supporting member arranged in spaced relationship to said image; means electrically insulating said members from each other and from the apparatus, means for moving said first member to bring successive areas of said image into operative correlation with successive areas of print receiving material located between said members and supported by said supporting member, means for inking said image, and means for impelling the ink from said successive image areas to said successive print receiving material areas and comprising an element operatively associated with one of said members but insulated therefrom and a second element operatively associated with the other of said members but insulated therefrom, said elements having a gap therebetween and in which gap said members and material are located, said elements being connected to a source of high potential electric energy whereby said electric energy passes across said gap between said elements and through said members and said material and transfers ink from said successive image areas to said successive material areas to print the image on said material.

2,408,145
GARMENT HANGER
Elmer L. Johnson, Chicago, Ill.
Application October 30, 1944, Serial No. 561,119
6 Claims. (Cl. 223—96)

1. A garment hanger comprising, a suspension element having a carrier portion provided with spaced depending abutment fingers, a pair of duplicate clamp elements for cooperation therewith in hanging garments, each having a body portion shaped to conform to the contour of the carrier portion of said suspension element and having depending clamping fingers disposed in registration with the abutment fingers thereon, and yieldable means for effecting clamping action, said clamp elements being disposed on

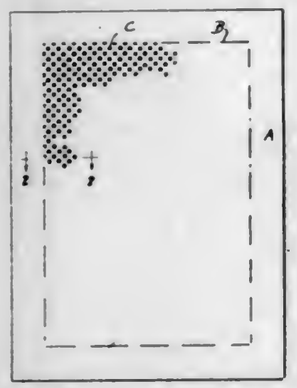


opposite sides of said suspension element and being retained in operative registration therewith by means of pivot bearing connections formed in part integral with the carrier portion of said suspension element and functioning in cooperation with the yieldable means for effecting clamping action.

2,408,146
DEHYDROGENATION OF HYDROCARBONS
Kenneth K. Kearby, Elizabeth, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application September 19, 1941, Serial No. 411,559
10 Claims. (Cl. 260—680)

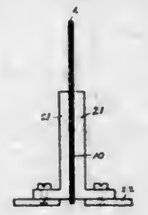
1. An improved process for the catalytic dehydrogenation of low molecular weight olefins, which comprises adding steam to the olefins in the ratio of 15:1 to 1:1 of steam to olefins, and passing the mixture at a temperature between 1000 and 1600° F. over a catalyst comprising a major proportion of magnesium oxide and a minor proportion of chromium oxide and an alkaline oxide having the power to promote the reaction of the steam with carbon deposited on the catalyst during the reaction.

2,408,147
TRANSFER SHEET
Ralph M. Kneale, Cleveland Heights, Ohio
Application June 24, 1944, Serial No. 541,910
2 Claims. (Cl. 41—33)



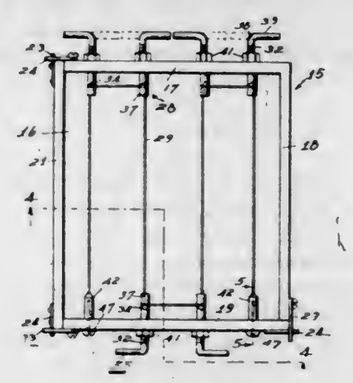
1. A transfer sheet comprising a sheet of translucent paper coated with paraffin wax, there being isolated printed areas on the wax of an ink solid enough so as not to offset under normal handling of the sheet but transferable by concentrated pressure on the back of the sheet, said ink comprising principally carbon black, linseed varnish and ester gum.

2,408,148
DIAMOND CHARGED SAW BLADE AND METHOD OF MAKING SAME
Thomas Longbotham, Portland, Oreg.
Application March 4, 1944, Serial No. 524,982
5 Claims. (Cl. 51—309)



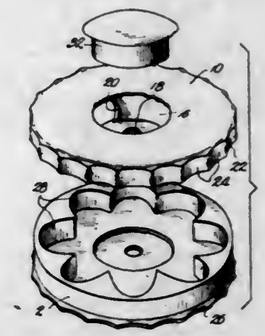
1. A diamond charged saw blade consisting of a disc of soft steel having a plurality of diagonal slots formed about the periphery thereof constituting a continuous zig zag groove, the reversing bends of which extend to the lateral faces of the disc, said groove being filled with diamond particles which extend laterally from the sides of the disc and radially from the groove.

2,408,149
APPARATUS FOR EMBEDDING AN ELONGATED FLEXIBLE MEMBER IN A MOLDABLE MATERIAL
Leslie W. Miller and Sampson Dewey Mahlstadt, Waverly, Iowa
Application August 6, 1943, Serial No. 497,710
5 Claims. (Cl. 25—118)



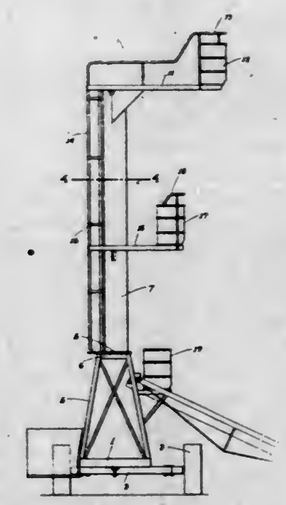
1. Apparatus for embedding a flexible member in a pourable material capable of becoming solidified comprising a form having side members, means for releasably supporting said flexible member in a predetermined pattern within said form including a plurality of anchoring devices detachably and rotatably carried in certain of said side members, with each of said anchoring devices having a straight body member with one end portion located inside of said form, a hook at said one end portion within the peripheral confines of said body member and comprised of a transverse groove, and a longitudinal groove open to one end of said transverse groove and to the free end of said one end portion, with said flexible member being extended through said two grooves for engagement with said hook, and means for retaining said anchoring device in a fixed position at which said hook is engaged with said flexible member, said anchoring device being rotatable in one direction, when the pourable material is in a partially solidified state, to move said hook out of an engaged position with said flexible member to provide for the free removal of said one end portion outwardly from said form.

2,408,150
POCKET DISPENSER
William C. Moeller, Kansas City, Mo.
Application September 23, 1944, Serial No. 555,503
1 Claim. (Cl. 206—42)



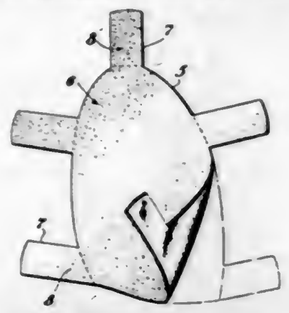
A pocket dispenser for small articles comprising a pair of mating, disc-shaped sections; means for pivotally interconnecting the sections at their axes for relative rotary movement; a series of stalls between the sections and in a path substantially concentric with the pivotal connection; a pocket formed by one of the sections at the axis thereof; a discharge port in the said one section in communication with the pocket, said discharge port being disposed to successively register with the stalls as the sections are relatively rotated whereby the articles are fed one at a time into the pocket from the stalls; and scallops formed on the edge of each disc-shaped section, said scallops being aligned when one of the stalls is in register with the said discharge port.

2,408,151
TRANSPORT TOWER
Maxwell E. Phillips, Stockton, Calif.
Application September 5, 1945, Serial No. 614,504
5 Claims. (Cl. 304—9)



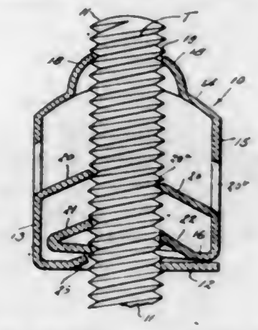
1. A tower comprising a wheeled support, a main tower element projecting vertically from the support, a plurality of catwalks projecting outwardly at right angles to the tower element, the length of the catwalks progressively increasing from the lowest one to the uppermost one thereof, an operator's crow's-nest at the outer end of each catwalk, and a ladder mounted vertically along the tower element and leading to all the catwalks.

2,408,152
ANTISKID CANVAS DEVICE
Alfonso Porcelli, Brooklyn, N. Y.
Application January 27, 1945, Serial No. 574,853
3 Claims. (Cl. 36—59)



1. In an antiskid device of the character described, a canvas sheet shaped to fit on a shoe tread member to which the same is adapted to be attached, one face of the canvas sheet being adhesively coated to facilitate attachment to the member and means extending from the marginal edge of the sheet carrying an adhesive for contact with parts of the member spaced from the engaging portion of said sheet.

2,408,153
FASTENING DEVICE
Lionel H. Steans and Earle R. Andrews, Los Angeles, Calif.
Application April 14, 1943. Serial No. 482,950
4 Claims. (Cl. 151—14)



1. A fastening device for use on a threaded bolt including a length of material bent into the form of a substantially rectangular loop having a first base portion, a side extending upwardly from the first base portion, a top extending from the side, a second side extending downwardly from the top and a second base portion extending inwardly from the second side to be in overlying relation to the first base portion, said base portions and top having openings for receiving the bolt, inturned parts on the two sides sloping upwardly and inwardly to engage the thread of the bolt, an upwardly and inwardly projecting part on the first base portion engageable with the thread of the bolt, and at least one upwardly and inwardly projecting part on the second base portion for engaging the thread of the bolt, the said base portions being related for relative movement and the last named part being pressed against the thread of the bolt by said relative movement.

2,408,154
QUICK-FREEZING APPARATUS FOR FOOD ARTICLES
Andrew J. Stone, New York, N. Y.
Application February 21, 1945, Serial No. 578,969
12 Claims. (Cl. 62—114)

1. In a refrigerating apparatus, a housing, a stationary plate in said housing providing a refrigerant chamber, a movable plate associated therewith and providing a complementary refrigerant chamber, springs urging said movable

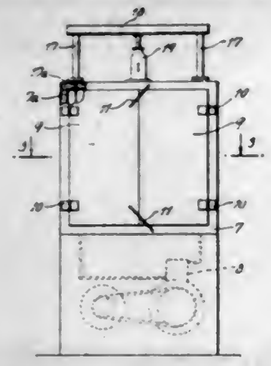
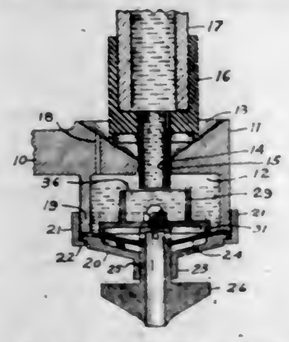


plate toward said stationary plate, and means for moving said movable plate away from said stationary plate.

2,408,155
COMPOSITION FOR AND METHOD OF CLEANING AND COATING METAL
Sydney G. Thornbury, Los Angeles, Calif., assignor to Turco Products, Inc., Los Angeles, Calif., a corporation of California
No Drawing. Application September 17, 1943, Serial No. 502,817
3 Claims. (Cl. 148—6)

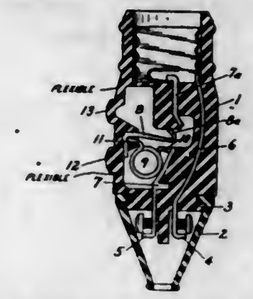
1. A composition for removing oil, grease, metal oxide and the like from and depositing a metallic phosphate coating on metal which comprises a solution consisting of water, phosphoric acid, aromatic petroleum solvent, and a coupling agent comprising, by weight, 25–33% of butanol and 21–29% of ethanol.

2,408,156
MEASURING TRAP CHAMBER WITH BAROMETRIC CUTOFF
Thomas L. Titus, Cheyenne, Wyo., assignor to The Wyott Manufacturing Company, Cheyenne, Wyo., a corporation of Wyoming
Application March 10, 1945, Serial No. 581,979
3 Claims. (Cl. 222—437)



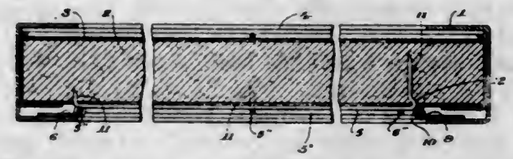
1. A device for dispensing liquid in measured quantities, comprising, a body having a valve chamber, provided with a fill opening and a vent in its upper wall, a fill tube in the fill opening, the fill tube projecting below the upper wall surface of the chamber, an airtight liquid container above the body in communication with the fill tube through an opening in its bottom, the lower end wall of the chamber having a discharge opening, a discharge tube extending through the discharge opening, the upper end of said tube being closed, a flexible diaphragm having a central opening through which the discharge tube extends, means for attaching the outer edge of the diaphragm to the wall of the valve chamber, the wall of the discharge tube having an opening above the diaphragm, a cup secured to the upper end of the discharge tube, below the lower end of the fill tube, the under surface of the cup having an annular flange positioned to engage the upper surface of the diaphragm to form a seal, the parts being so proportioned and related that when the flange is in normal sealing position the plane of the upper edge of the cup will be spaced a short distance below the lower end of the fill tube, the cup being movable upwardly to a point where the plane of its upper edge is above the lower end of the fill tube before the seal between the flange and the diaphragm is broken, whereby air is prevented from entering the container until the flange returns to sealing position.

2,408,157
ELECTRIC SWITCH
Charles A. Adams, Davenport, Iowa
Application March 12, 1945, Serial No. 582,252
4 Claims. (Cl. 200—159)



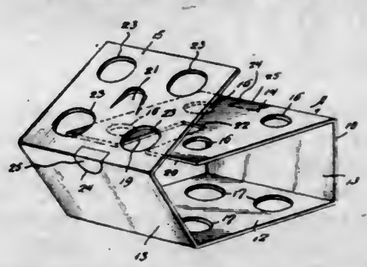
1. A switch of the character described having a hollow insulating wall, one portion of which may be flexed to cause opening and closing of the switch, the body of the switch housing having a conductor embedded therein which comprises two separated parts, a switch element having an end portion secured to the flexible portion of the switch housing, said switch element having its unattached end bent at an angle such that it is adapted to be restrained from inadvertent separation from the conductor element with which it engages when the switch is closed, and a coil spring bridging the space between the switch element and the second portion of said conductor element, said spring serving as a current carrier between the conductor and the switch element.

2,408,158
AIR FILTER
Harold E. Belsher, Phoenix, Ariz.
Application February 3, 1944, Serial No. 520,949
2 Claims. (Cl. 183—49)



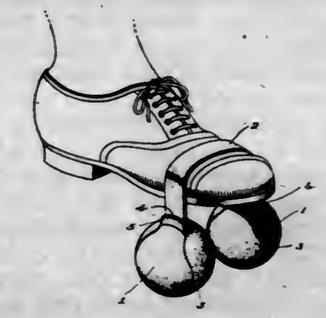
1. An air filter comprising a frame open at its front and back and having an internal channel about its periphery, a grating mounted in the channeled frame in shielding relation to the rear opening thereof, a pad in said frame bearing against said grating and having marginal portions engaged in the channel of the frame, a door for the open front of said frame formed of strands disposed vertically and horizontally in crossed relation to each other, and having end portions bent to form prongs projecting from the door for penetrating the pad when the door is closed, hinge plates secured to said frame at one side thereof and having portions rolled to form sleeves receiving portions of a vertical strand at the adjoining side of the door above and below a horizontal strand and pivotally mounting the door for swinging movement to opened and closed positions, and means for releasably holding the door closed.

2,408,159
PACKING WRAPPER
George W. Boh, Chattanooga, Tenn., assignor to O. B. Andrews Company, Chattanooga, Tenn., a corporation of Tennessee
Application March 6, 1944, Serial No. 525,238
1 Claim. (Cl. 206—46)



A package of yarn cones comprising a sheet of fibrous material folded to form a rectangular frame having top and bottom walls inclosing the cones, the ends of said sheet being secured in overlapping relation to form a double layer top wall, said top and bottom walls having aligned openings therein, the openings in the inner layer of the top wall being relatively small and the openings in the outer layer of the top wall and bottom wall being relatively large and substantially the same size, the lower end of each cone being snugly received in one of the bottom openings and projecting therethrough, the upper end of each cone being snugly received in the small opening of the top wall and the large opening in the outer layer of the top wall being adapted to snugly receive the projecting lower end of the cone of an adjacent package when the packages are disposed in stacked relation and operating to interlock said packages together.

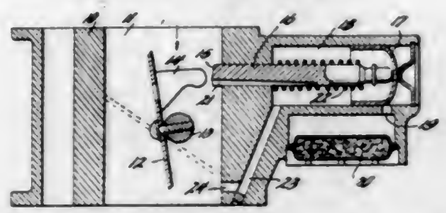
2,408,160
EXERCISING AND GAME APPARATUS
Leo G. Brunner, Milwaukee, Wis.
Application July 17, 1944, Serial No. 545,229
1 Claim. (Cl. 273—1)



An apparatus for games and exercising comprising weights, leather covers for said weights, tabs extending from said covers, a band of flexible material extending between said weights with its ends anchored to the tabs on said covers, the

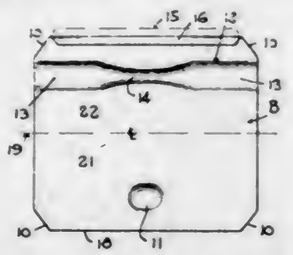
ends of said band having curved edges to conform to the shape of said weights, said band being of a length adapting it to be engaged across a person's foot when the weights are at opposite sides thereof whereby the weights may be impelled through the air by kicking movement of a person's leg.

2,408,161
SPEED GOVERNOR
Rex C. Darnell, Ann Arbor, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application June 9, 1944, Serial No. 539,493
16 Claims. (Cl. 137—153)



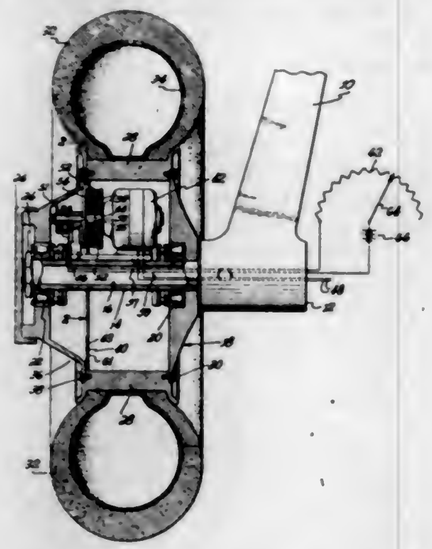
1. In a speed governor for internal combustion engines, a governor body enclosing a fuel mixture conduit, an unbalanced throttle plate pivoted in said conduit and having the larger of its unbalanced areas disposed upstream of its pivot axis, means including a pressure responsive element for urging said throttle plate toward closed position, and means for subjecting said element to the engine vacuum when said throttle plate is near its closed position.

2,408,162
SPECTACLE AND EYEGLASS RECEPTACLE
Gregory Y. Eaton, Pasadena, Calif., assignor to Technical Surfaces Ltd., Los Angeles, Calif., a limited partnership composed of Howard G. Hoffer and Chester L. Chalberg
Application April 3, 1944, Serial No. 529,280
3 Claims. (Cl. 206—5)



1. A spectacle case in the form of a flattened tube open at both ends and adapted to slidably receive a pair of spectacles with crossed bows from either end, said case being made from a single blank of relatively stiff but resilient sheet material, said blank being folded and its longitudinal edges connected along the top longitudinal edge of the case to form side walls capable of being resiliently urged apart when a pair of spectacles is inserted through either open end of the case; a shallow recess formed in the inner surface of one wall intermediate its ends and closer to said top longitudinal edge than to the opposing edge; a channel formed in the inner surface of the other wall and extending from end to end of the case, said channel paralleling the top edge and spaced therefrom a greater distance than the shallow recess, said shallow recess and channel providing surfaces to be sprung apart by the nose piece and crossed bows of a pair of spectacles inserted in the case whereby the walls of the case are flexed outwardly out of contact with the lenses of such spectacles and such spectacles are removably retained in such case by the resiliency of the walls and cooperation between the nose piece and the shallow recess.

2,408,163
LANDING WHEEL DRIVE
Ferenz H. Fodor, Los Angeles, Calif., assignor to Technical Securities Corporation, Los Angeles, Calif., a corporation of Delaware
Application January 30, 1945, Serial No. 575,227
8 Claims. (Cl. 244—103)

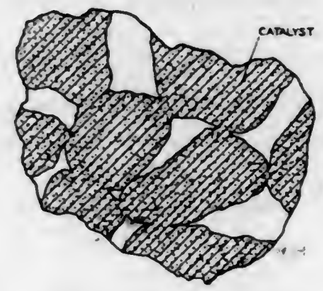


2. A landing wheel slip drive for aircraft comprising a stationary wheel mounting, a wheel on the mounting, an electric motor stationarily secured to the mounting having a rotating shaft extending therefrom in parallel spaced rotation to the wheel axis, a drive connection between the motor and the wheel comprising a member of magnetic material secured to the motor shaft having magnetic core elements thereon, a winding for each core connected in a circuit, a second member of magnetic material mounted on the shaft defining a space between itself and the cores on the first member and a perforated annular flange of non-magnetic material on the wheel extending into said space and adapted to move therethrough in a path such that some of the perforations are always positioned between the second magnetic member and the core, and a source of electric power connected in series in said circuit.

2,408,164
CATALYST PREPARATION
Arch L. Foster, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 25, 1942, Serial No. 440,561
3 Claims. (Cl. 252—259.2)

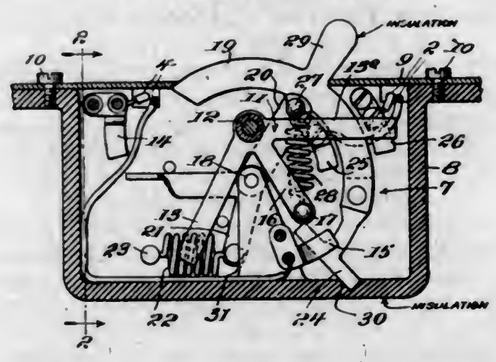
3. A process of forming a substantially rugged and pervious mass of formed catalyst particles consisting of a mixture of aluminum chloride and calcium chloride, which comprises heating a mixture of solid particles of aluminum chloride and of calcium chloride, and containing at least 20% by volume of inter-particle voids, to a temperature below the melting point and within the range of approximately 300° to approximately 325° F. and, while the particles are maintained at such temperature, molding a mass of the particles

under a mechanical pressure within the range of approximately 25 to approximately 100 pounds per square inch to effect bonding of the particles



only at the points of contact thereof without substantial disintegration of the particles and without substantial reduction in volume of voids between the particles.

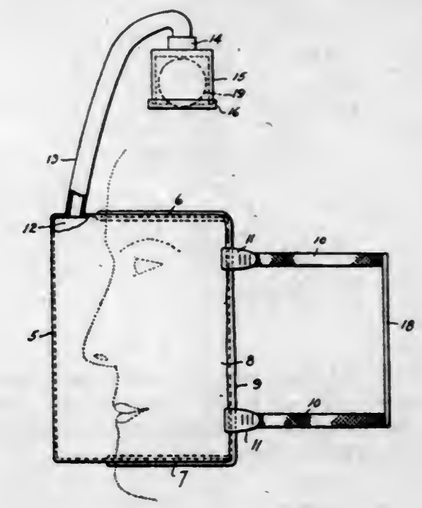
2,408,165
FLUORESCENT SWITCH STARTER
Luther A. Harrawood, Broughton, Ill.
Application January 8, 1945, Serial No. 571,870
6 Claims. (Cl. 200—6)



1. A fluorescent lighting system starter, comprising a pivoted semi-circular snap switch having an operating arm movable from one side to the other of the pivot point of the switch representing the fulcrum, contacts for the switch in circuit with the lighting system, a pivoted plate, a connection from the plate to the operating arm, said plate being movable to shift the arm from a position on one side of the fulcrum to the other, contact points in circuit with the lighting system to start the same, said plate having points to engage the contacts in one position, and spring means normally holding said plate with the contacts in open position.

2,408,166
LIFESAVING DEVICE
Eugene R. Hawkins, Compton, Calif.
Application May 19, 1944, Serial No. 536,273
4 Claims. (Cl. 128—145)

1. In a respiratory mask article, a shield adapted to be secured on the face, a tube leading upwardly from the shield having a transverse bar near the end thereof, and a check valve structure for respiration secured at the end of said tube, a buoyant valve in said body adapted to close the tube against the ingress of water when the structure is submerged, and spring means secured to said bar and tending to move the valve away from its tube closing position when the structure is freed of water, the spring means being of such lightness that water in the structure buoyantly closes the valve against the action of the spring means, the structure having in the bottom thereof an aperture for the movement of air in and out of the valve, the wall of said aperture having annularly arranged projections for seating



the valve free of the aperture structure around the valve.

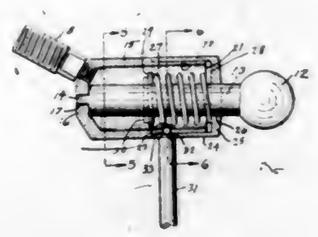
2,408,167
CATALYTIC ALKYLATION PROCESS
Harold J. Hepp, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application October 14, 1944, Serial No. 558,734
13 Claims. (Cl. 260—671)

7. An improved process for the production of a monoalkyl derivative of an alkylatable aromatic hydrocarbon, which comprises passing a hydrocarbon mixture comprising an olefin hydrocarbon of not more than 6 carbon atoms per molecule and a molar excess of an alkylatable aromatic hydrocarbon together with not more than about 1 per cent by weight of the reactants of hydrogen chloride through a bed of a solid granular catalyst under conditions of temperature and pressure such as to promote union of said olefin and said aromatic hydrocarbon to form a corresponding monoalkyl derivative thereof, said granular catalyst comprising silica and a minor amount of an oxide of a metal selected from groups IIIB and IVA of the periodic system and prepared by reacting an alkali silicate with an excess of a mineral acid to form a silicic acid gel, washing said gel with water and only partially drying same to form a hydrous acidic silica gel, contacting the resulting silica gel with an aqueous solution of a hydrolyzable salt of a metal selected from groups IIIB and IVA of the periodic system to activate same by adsorption of a hydrous oxide of said metal thereon, and subsequently washing and drying the resultant activated material to form said granular catalyst.

2,408,168
REARVIEW MIRROR
Laurence F. Hofer, Oswego, Oreg.
Application June 5, 1944, Serial No. 538,752
3 Claims. (Cl. 88—98)

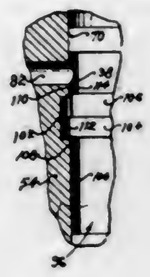
3. In a device of the class described, the combination of a fixed tubular body, an arm disposed within said body having one end thereof pivotally and non-rotatably mounted within the body, a cylindrical cap for said body having an opening in the end thereof eccentric with relation to the axis of the cap and forming a journal for said

arm means for limiting the rotation of said cap, the portion of said arm which projects through said cap having a ball formed thereon, a mirror



mounted on the ball end of said arm, a means for rotating said cap with relation to said body, and a spring on said arm disposed to urge the ball end of said arm toward said cap.

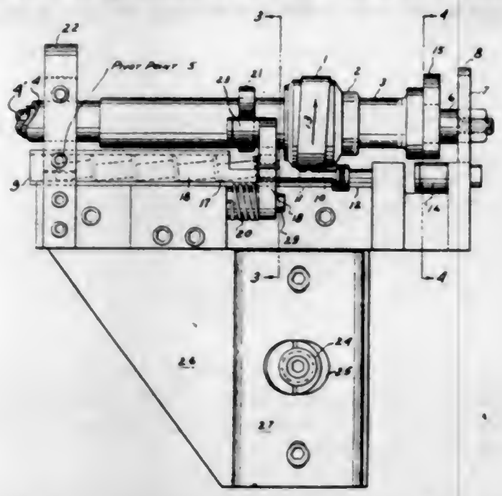
2,408,169
LEVEL WORK SUPPORTING STRUCTURE
James F. Hoffer, Detroit, Mich., assignor to Superdraulic Corporation, Dearborn, Mich., a corporation of Michigan
Application February 12, 1944, Serial No. 522,063
4 Claims. (Cl. 121—41)



1. A device of the type described comprising a supporting member, a float disposed in a bath of liquid, and a fluid servo-mechanism interconnecting said float with said member, said mechanism including a cylinder, a piston disposed therein and connected to said supporting member, a pair of cooperating and relatively shiftable valve elements, one of said valve elements being connected to said piston and the other to said float, and means to supply fluid under pressure past said valve elements, said valve elements being so constructed and arranged that fluid is continuously passed to atmosphere.

2,408,170
DEVICE FOR ROTATING ROUNDS
Samuel C. Hurley, Jr., Danville, Ill.
Application October 2, 1944, Serial No. 556,811
3 Claims. (Cl. 214—1)

1. An apparatus of the class described comprising in combination a rotatable shaft arranged and adapted to be raised and lowered, a roller attached thereto, a feed way associated therewith, a first cam attached to said shaft and adapted and arranged for periodically raising the roller, a movable trap associated with said feed way, a second cam on said shaft adapted and arranged for actuating the movable trap and said



second cam synchronized with said first cam to release said trap while the roller is raised.

2,408,171
PROCESS FOR PREPARATION OF 2-METHYL-1,2-PROPANEDIAMINE
Harold G. Johnson, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 27, 1944, Serial No. 546,935
5 Claims. (Cl. 260—583)

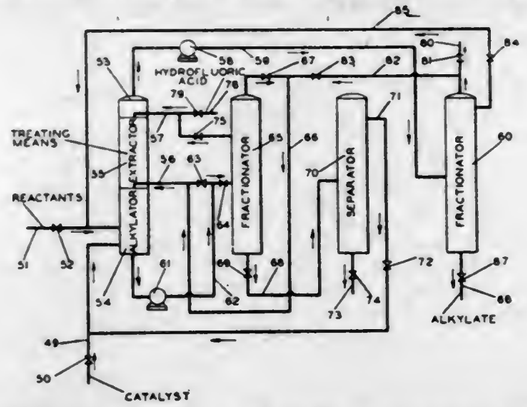
1. In a process for the production of 2-methyl-1,2-propanediamine, the steps which comprise reacting 2-methyl-2-nitro-1-propanol with ammonia under pressure at a temperature of between about 20 and 85° C., then subjecting the resultant mixture to hydrogenation in the presence of a hydrogenation catalyst at elevated temperature and pressure.

2,408,172
PROCESS FOR PREPARATION OF DIAMINES
Harold G. Johnson, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 27, 1944, Serial No. 546,936
4 Claims. (Cl. 260—583)

1. In a process for the production of 2-methyl-1,2-propanediamine, the steps which comprise subjecting a mixture comprising 2-nitropropane, ammonia, and formaldehyde at elevated temperature and pressure, then after said pressure remains constant subjecting the resultant mixture to hydrogenation in the presence of a hydrogenation catalyst at elevated temperature and pressure.

2,408,173
TREATMENT OF AROMATIC HYDROCARBON MATERIALS
Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 26, 1943, Serial No. 488,547
25 Claims. (Cl. 260—671)

18. An improved process for the alkylation of an aromatic hydrocarbon, which comprises alkylating an alkylatable aromatic hydrocarbon in the presence of a liquid alkylation catalyst comprising hydrofluoric acid, passing a resulting mixture of hydrocarbons and catalyst to separating means, separating a hydrocarbon liquid phase from said liquid catalyst, contacting said hydrocarbon liquid phase with substantially pure concentrated liquid hydrofluoric acid to effect a

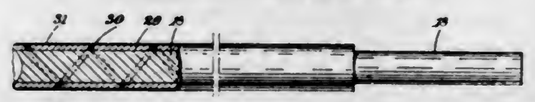


purification of said hydrocarbon phase, passing liquid hydrofluoric acid effluent from said contacting to said alkylation, and removing dissolved hydrofluoric acid from a hydrocarbon phase effluent from said contacting.

2,408,174
VINYL RESIN COATING COMPOSITIONS
Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application March 20, 1944, Serial No. 527,351
6 Claims. (Cl. 260—32)

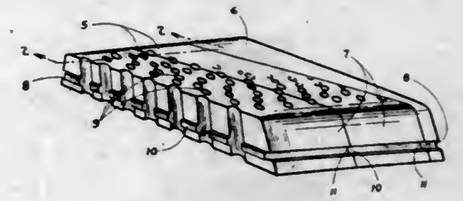
1. A coating composition possessing decreased gelling tendencies, comprising a tough and strong artificial resin insoluble in toluene, having a molecular weight in excess of 4000, and prepared by the copolymerization of vinyl chloride with vinyl acetate, said resin being dissolved in a sufficient quantity of a solvent having a low rate of evaporation to decrease the gelling tendency of the composition, comprising an alkyl ester of levulinic acid and a liquid coal-tar hydrocarbon, to make a readily flowable composition adapted to produce resistant, adhesive, and stable protective or ornamental surface coatings.

2,408,175
ELECTRIC UNDERWATER WELDING
Paul Peillon, Cairo, Egypt, assignor to Salvage & Marine Company of Egypt S. A. E., Cairo, Egypt, an Egyptian company
Application March 29, 1943, Serial No. 481,023
In Great Britain October 23, 1942
6 Claims. (Cl. 219—10)



4. An underwater arc welding electrode, especially adapted for use in sea water, said electrode comprising a steel rod having a solid, electrically non-conducting flux coating thereon, a separate covering layer superposed on and impregnated into the outer portion only of said flux coating, said covering layer consisting of an organic electrically insulating water-proof material capable of being vaporized by the welding heat, without undue decomposition or the production of carbonaceous matter to form a body of vapor protecting the welding zone from the action of the water, said material being selected from the group consisting of waxes and drying oils.

2,408,176
COVER FOR THE SUCTION BOXES OF PAPERMAKING MACHINES
Jean Proulx, Hull, Quebec, Canada
Application December 16, 1943, Serial No. 514,572
1 Claim. (Cl. 92—51)



In a Fourdrinier paper making machine, including a moving wire member for supporting wet paper stock, a suction box disposed below a portion of said member, a smooth wear-resistant cover on said box, the cover consisting of a plurality of elongated wax-impregnated end-of-grain wood blocks which extend transversely across the suction box at an angle to the line of travel of the moving wire member, the blocks each having their ends beveled and tapering downwardly and outwardly, each of the blocks having a side rail engaging groove at their opposite ends and adjacent the bottoms thereof, means for securing the blocks together consisting of a tongue and groove connection between the opposite sides of each of the blocks adjacent the bottoms thereof and in substantially the same plane as the said groove at the ends of each of the blocks which groove engages opposite side rails of the suction box to maintain the blocks in place with respect thereto and which tongue and groove connections prevent displacement of the blocks with respect to each other, and the said blocks being provided with tapered openings, certain of which openings extend through and interrupt the said tongue and groove connections.

2,408,177
IMPROVED PROCESS FOR THE MANUFACTURE OF METHYL ACRYLATE BY THE THERMAL DECOMPOSITION OF METHYL ALPHA-ACETOXYPROPIONATE
William P. Ratchford, Willow Grove, and Charles H. Fisher, Abington, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application May 4, 1943, Serial No. 485,618
1 Claim. (Cl. 260—486)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The process of manufacturing methyl acrylate which comprises thermally decomposing methyl alpha-acetoxypropionate at a temperature of about 400° to 600° C. and a pressure of about 3 to 60 atmospheres.

2,408,178
ELECTROLYTE LEVEL CONTROL DEVICE FOR STORAGE BATTERIES
Julius Sandusky, Toronto, Ontario, Canada
Application May 3, 1945, Serial No. 591,816
10 Claims. (Cl. 136—177)

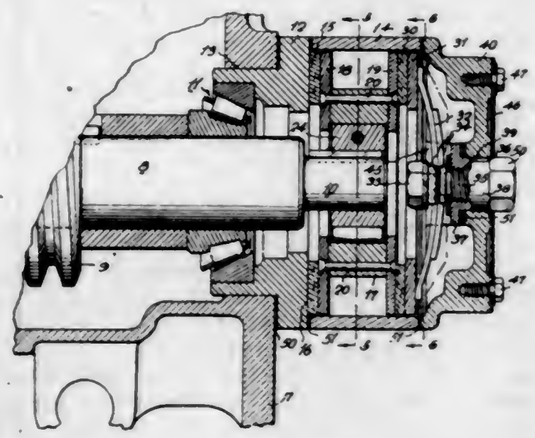
1. In an electrolyte level control device for batteries, a cell having a filling opening in the top thereof, a filling tube extending into the cell from the filling opening and forming a closed air space

beneath the top of the cell, a disc supported in the tube spaced from the bottom thereof and below the top of the cell, said disc being constructed so as to provide a limited passage within the tube for fluid from above the disc to pass to below the disc, and a vent aperture extending through the tube above the disc communicating between the



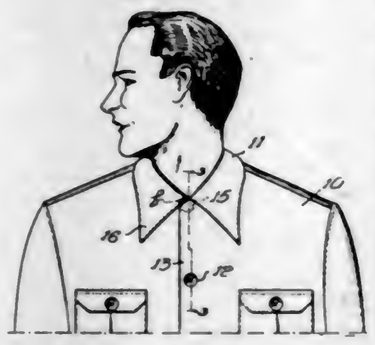
otherwise closed air space beneath the top of the cell and the interior of the tube above the disc, said limited fluid passage and vent aperture being of such size that liquid poured into the interior of the tube through the filling opening will form a seal thereover when electrolyte in the cell closes the bottom of the tube.

2,408,179
FRICTION BRAKE
Thomas J. Schuetz and Edwin W. Turnquist, Tulsa, Okla., assignors, by mesne assignments, to John E. Mabee, Thomas J. Schuetz, and Logan Stephenson, all of Tulsa, Okla.
Application July 10, 1945, Serial No. 604,202
4 Claims. (Cl. 188—82)



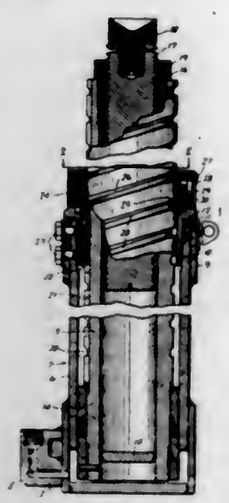
1. In a friction braking mechanism of the type comprising a shaft having a portion arranged within a housing, a friction plate unit in the housing surrounding the shaft and comprising a plurality of friction plates secured together with a clutch casing interposed therebetween, a clutch member fixed on the shaft and rotatable therewith, within said clutch casing, said clutch being adapted to rotate freely in one direction and engage said friction plate unit when force is applied in the reverse direction, and a pressure member adapted to normally prevent the rotation of said unit, the improvement comprising a leaf spring having its ends operatively connected to the pressure member, and means operable from the exterior of the braking mechanism for adjusting said spring to increase or decrease pressure of the spring on the pressure member, said means including a threaded member, and a rotatable disc operably connected to the threaded member and arranged at the exterior of the braking mechanism.

2,408,180
SHIRT CONSTRUCTION
Albert L. Silver and Abraham Stein, Dallas, Tex.
Application January 9, 1945, Serial No. 571,977
1 Claim. (Cl. 2—116)



In an article of wearing apparel, a shirt having a collar and a collar band, the latter being comprised of at least two thicknesses of fabric and rounded at one end to conform with the curvature of a button, the layer next adjacent the uppermost layer having a button hole therein, and a button mounted on the opposite end of said fabric, overlying the uppermost layer of fabric and receivable in said button hole to conform to said recess and concealable by the layer of fabric overlying said button hole.

2,408,181
LIFTING MECHANISM
William L. Simonton, Dayton, Ohio, assignor to The Joyce-Cridland Company, Dayton, Ohio, a corporation of Ohio
Application January 22, 1942, Serial No. 427,717
9 Claims. (Cl. 188—67)

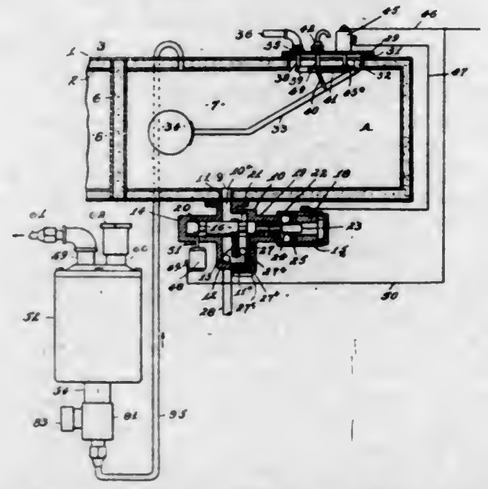


1. A mechanism comprising an upright tubular element, an elongate element mounted for vertical movement in and projecting beyond the upper end of said tubular element and having an exterior spiral groove, and a locking member extending about the projecting portion of said elongate element and having a part extending into said spiral groove to cause said locking member to rotate about said elongate element under the influence of gravity as said elongate element moves upwardly with relation to said tubular element, and to be pressed into locking relation to said tubular element by a downward force exerted thereon by said elongate element.

2,408,182
DERIVATIVES OF ISOASCORBIC ACID
Percy A. Wells, Abington, and Daniel Swern, Melrose Park, Pa., assignors to The United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Application March 8, 1944, Serial No. 525,540
4 Claims. (Cl. 260—344.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

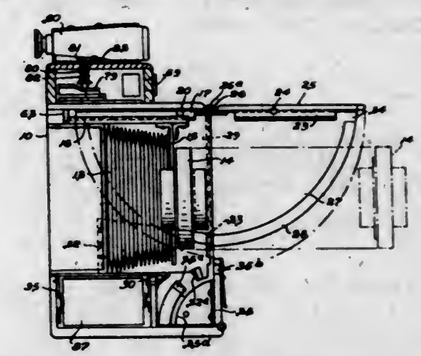
1. The method of producing fatty acid esters of d-isoascorbic acid said esters containing an unsubstituted ene-diol group comprising reacting calcium 2-ketogluconate with a saturated fatty acid containing 12 to 18 carbon atoms in the presence of concentrated sulfuric acid.

2,408,183
AUTOMATIC DRAIN DEVICE FOR COOLING SYSTEMS
George Wood, Toronto, Ontario, Canada
Application October 25, 1944, Serial No. 560,324
5 Claims. (Cl. 123—174)



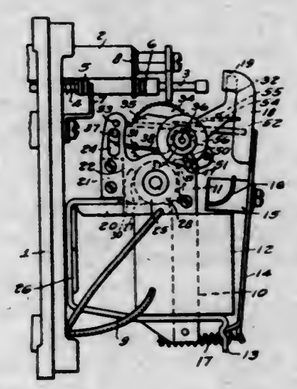
1. In an engine warming device, in combination with an internal combustion engine and the cooling system thereof including a radiator, an insulated liquid storage tank, a vacuum pipe leading from the manifold of the engine to the interior of said tank at or near the top of the latter, a valve casing having a port in each of two substantially opposed walls and spaced liquid passages communicating with said ports, one of said ports being in communication with the lower interior of said tank, a conduit leading from the other of said ports to the radiator, a check valve located in one of said liquid passages, a valve movable across said liquid passages, said valve having two spaced circumferential grooves spaced at variance with the spacing of said liquid passages whereby in one position of said valve one of said circumferential grooves will be aligned with one of said liquid passages only to permit of the flow of liquid to said tank, in another position the other of said grooves will be aligned with the other of said liquid passages to permit of the flow of liquid from said tank and in another position both of said liquid passages will be closed, a float controlled by level of the liquid in said tank, an air relief passage associated with said tank, means controlled by said float for closing said vacuum pipe and opening said air relief passage simultaneously when the liquid has been transferred to said tank and opening said vacuum pipe and closing said air relief passage when the liquid has been transferred to said cooling system, and float controlled electrical means adapted, in the raised condition of said float due to the presence of liquid in said tank to move said valve to close the liquid passage in said valve casing to said tank and to open the liquid passage from said tank and in the lowered position of said float holding said valve to a position wherein both of said liquid passages are closed.

2,408,184
COMBINED LENS SUPPORT AND LENS HOOD FOR FOLDING CAMERAS
Thomas McG. Aiken, Pittsburgh, Pa.
Application December 17, 1943, Serial No. 514,618
8 Claims. (Cl. 95—40)



1. The combination with a camera box having a bellows and a lens hanger on the forward end of the bellows, of a hood member pivotally connected to the upper forward corner of the box and movable against the forward side of the box to serve as a closure therefor, guide members on the box and the hood member, wing-like shield members of segmental plate form connected to the side edges of the hood member throughout substantially its entire length, in position to extend downward and rearwardly therefrom when the hood is raised and to lie along side the vertical sides of the camera box when the hood member is in closed position, means for releasably latching the rear edges of the shield members at their lower ends, to hold the hood in raised position, and means for adjusting the hanger on said guide members in forward and rearward directions.

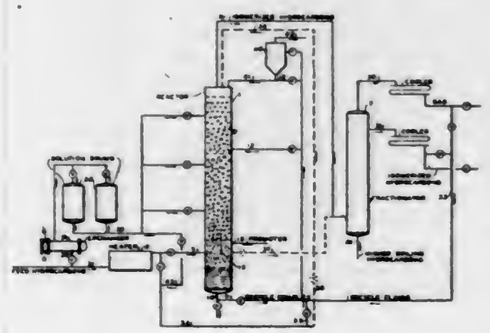
2,408,185
ROTOR TYPE CONTACTOR
George C. Armstrong, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 19, 1944, Serial No. 523,059
16 Claims. (Cl. 200—97)



1. An electromagnetic device comprising, in combination, a magnetic structure having two

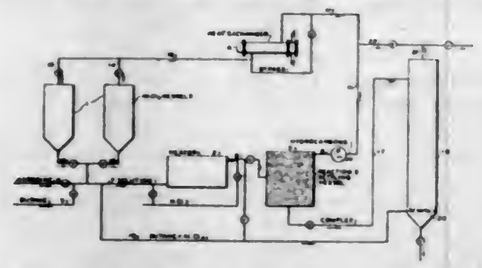
pairs of pole surfaces forming two respective air gaps and containing a coil for producing periodic magnetic flux in said gaps, a magnetizable rotor disposed in one of said gaps adjacent one of the appertaining pole surfaces to roll relative thereto and being movable towards said appertaining other pole surface for attraction thereby and biased away from said latter surface so as to perform unidirectional rotation when said coil is energized, an armature disposed in said other gap for attraction by said structure so as to shunt said first gap when in attracted position in order to thereby stop the rotation of said rotor, and means disposed between said rotor and said armature for preventing said armature to move into said position, said means being controlled by said rotor so as to become ineffective upon rotation of said rotor through a given angle.

2,408,186
CATALYTIC CONVERSION OF HYDROCARBONS
Harold V. Atwell, Beacon, and Howard H. Gross, Pleasantville, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 18, 1944, Serial No. 536,088
12 Claims. (Cl. 260—683.5)



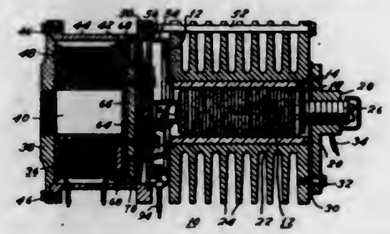
1. In a continuous process for converting hydrocarbons by the action of an aluminum halide-hydrocarbon complex catalyst of predetermined activity in the presence of hydrogen halide the steps which comprise maintaining a reaction tower substantially filled with a column of feed hydrocarbon in continuous liquid phase, said tower being packed with inert contact material, continuously introducing feed hydrocarbon to the lower portion of the tower such that feed hydrocarbon rises through the tower while undergoing catalytic conversion, continuously introducing complex catalyst liquid to the upper portion of the tower, moving the catalyst in dispersed phase downwardly through the tower, continuously withdrawing used complex from the bottom of the tower, recycling withdrawn complex to the upper portion of the tower, introducing a small amount of fresh aluminum halide to the tower at an intervening point between, and removed substantially from, the points of used catalyst withdrawal from, and return to, the tower and sufficient to maintain the concentration of aluminum halide in the complex relatively greater in the intervening portion than in the upper and lower portions of the tower, maintaining the reaction tower at elevated temperature sufficient to effect said conversion, and continuously removing from the upper portion of the tower, hydrocarbon products of reaction substantially free from aluminum halide.

2,408,187
CATALYST MANUFACTURE
Harold V. Atwell, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 18, 1944, Serial No. 536,089
3 Claims. (Cl. 252—254)



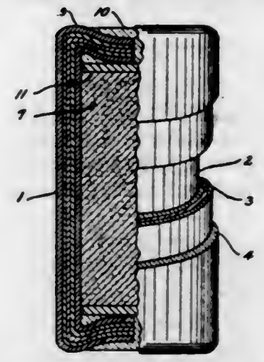
3. A method of preparing a complex catalyst formed by reacting aluminum chloride with kerosine in the presence of hydrogen halide which comprises maintaining in a contact zone aluminum chloride in solid granular form, circulating through said contact zone in contact with the solid halide a stream of saturated aliphatic C_4 hydrocarbons in liquid phase, effecting contact between solid halide and C_4 hydrocarbons under conditions of time and temperature such that solution of a small amount of aluminum chloride in C_4 hydrocarbons occurs without substantial complex formation, thereafter passing the circulating stream containing dissolved aluminum chloride to a reaction zone, adding to the stream, passing to said reaction zone a small amount of kerosine, subjecting the dissolved chloride to contact with the kerosine in the presence of hydrogen halide at elevated temperature such that dissolved aluminum chloride reacts with kerosine to form complex, separating resulting complex from the unreacted hydrocarbons including C_4 hydrocarbons, recycling the hydrocarbons from which complex has been separated to the contact zone, and continuing the circulation of hydrocarbons to effect substantial conversion of kerosine hydrocarbons to complex.

2,408,188
REGULATOR
Bascum O. Austin, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 1, 1945, Serial No. 591,276
11 Claims. (Cl. 201—51)



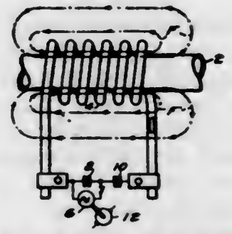
1. A regulator comprising, in combination, a stack of disks of resistance material, a pressure plate at each end of the stack, a spring member disposed to apply pressure to the stack through one of the pressure plates, an electromagnet having a core member and an armature member, the armature member being disposed to control the pressure applied to the stack in response to the energization of the electromagnet, a disk of magnetizable material disposed between the core member and the armature member to be magnetically held against movement when the electromagnet is energized, a flexible diaphragm of non-magnetic material carried by the armature member, the flexible diaphragm having a major part disposed in spaced relation to the disk of magnetizable material and having an outer edge disposed in seating engagement therewith, and means disposed to be held under pressure by the spring member against the outer edge of the flexible diaphragm to maintain the edge in its seating engagement whereby the disk of magnetizable material and the flexible diaphragm cooperate to effectively damp excessive movement of the armature member.

2,408,189
WATERPROOF EXPLOSIVE CARTRIDGE
Arthur W. Baker, Lookout Mountain, Tenn., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application November 10, 1942, Serial No. 465,105
2 Claims. (Cl. 102—24)



1. A rigid blasting cartridge comprising a substantially cylindrical explosive charge of a water-soluble material and a substantially rigid water-resistant tubular envelope therefor and having water-resistant crimped end closures; the tubular envelope comprising a tube of a waterproof laminated paper sealed to itself and overlapping itself at opposed edges, a paper lining for said laminated tube and sealed thereto, a paper covering for said laminated tube and sealed thereto; the tubular envelope having a cardboard disc at each end interiorly thereof and having an end section crimped over each disc, and a seal for each end section comprising an adhesive waxlike material disposed on each side of the crimped end section forming upper and lower layers and having a contiguous central portion passing through the crimped end section thus joining the two layers.

2,408,190
MAGNETIC INDUCTION HEATING OF THIN-WALLED NONMAGNETIC METALLIC TUBES
Robert M. Baker, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 27, 1944, Serial No. 519,866
2 Claims. (Cl. 219—13)



1. A method of efficiently and effectively magnetically inductively heating hollow nonmagnetic metallic cylindrical material having an outer diameter d, in centimeters, generally in excess of six times its wall-thickness t, in centimeters, which method comprises passing the hollow cylindrical material in the direction of its axis through an induction heating-coil, and energizing the heating-coil from a rotary alternator delivering an alternating current having a frequency in cycles per second, in a range between

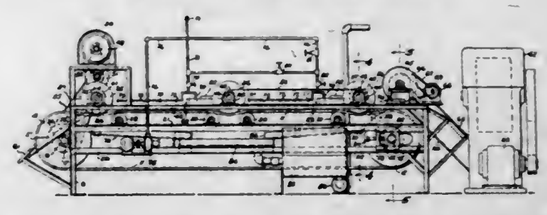
$$\frac{153r10^6}{td}$$

and

$$\frac{25.6r10^6}{t^2}$$

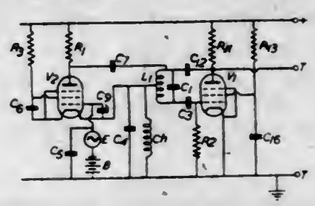
where r is the resistivity of the material in ohm-centimeters.

2,408,191
PULP WASHER
Harold M. Barnett, Long Beach, and Rupert C. Mosher, Downey, Calif.; said Mosher assignor to said Barnett
Application March 27, 1944, Serial No. 528,248
6 Claims. (Cl. 100—37)



1. In a vegetable pulp washing machine of the class described, the combination of a foraminous conveyor belt, end pulleys for said belt, upper and lower pressing rollers extending across the top run of said belt adapted to press therebetween vegetable pulp carried on its surface, scraping distributors following each of said upper rollers except the last one adapted to break up the caked pulp and to redistribute it on said belt, and hydraulic sprayers disposed between said upper rollers adapted to hydraulically agitate and to wash the pulp on said belt.

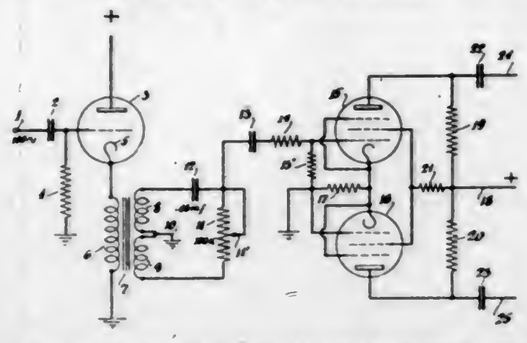
2,408,192
ELECTRICAL APPARATUS
David Arthur Bell and Arthur Henry Ashford Wynn, London, England, assignors to A. C. Cossor Limited, London, England, a company of Great Britain
Application August 11, 1942, Serial No. 454,391
In Great Britain August 16, 1941
7 Claims. (Cl. 250—36)



5. In a system for generating oscillations of controllable frequency, an oscillator comprising an electron discharge tube having oscillation generating electrodes and a resonant oscillation generating circuit determinative of the generated frequency and operatively connected to said electrodes to maintain sustained electrical oscillations, said circuit being traversed by the oscillation output current of said tube, reactance means connected in series between an electrode of said tube

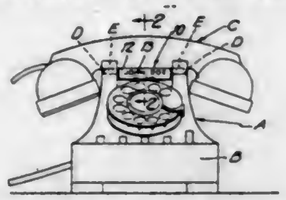
and said oscillation circuit, a reactance control electron tube having input and output circuits coupled to said reactance means and to said oscillation circuit, respectively, and means for varying the output oscillation current of said reactance tube to correspondingly vary the effective resonant frequency of said oscillation circuit and to thereby control the frequency of the oscillations produced.

2,408,193
PHASE SHIFTER
Harold Edward Beste, East Rutherford, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application December 6, 1943, Serial No. 513,136
4 Claims. (Cl. 172—246)



1. In an electronic device for shifting the phase of voltage, a vacuum tube to the control grid of which said voltage is to be applied, and a transformer having its primary connected between the cathode of said tube and ground, the ends of the secondary of said transformer being connected to a resistance and capacitance in series.

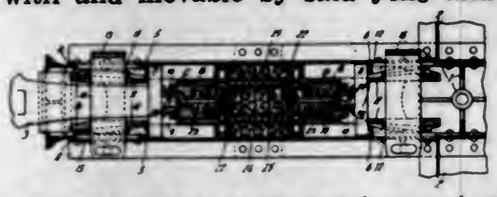
2,408,194
CUSHION REST ATTACHMENT FOR TELEPHONE INSTRUMENTS
John P. Bourdius, New York, N. Y.
Application April 21, 1944, Serial No. 532,177
2 Claims. (Cl. 179—100)



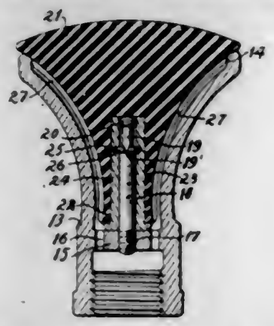
1. In combination, a hand telephone instrument and a stand therefor, said stand having a horizontal ledge, a cushion rest attachment comprising a flat rigid base resting upon the ledge, clamping means connected to said base and engaging the underside of said ledge, and a resilient cushion fixedly mounted on the upper side of the base for receiving the hand telephone instrument at rest upon said stand, said base having its front edge turned upward along the adjacent edge of said resilient cushion.

2,408,195
DRAFT MECHANISM FOR RAILWAY CARS
Argyle Campbell, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application March 27, 1943, Serial No. 480,738
7 Claims. (Cl. 213—32)

6. In a draft mechanism for railway cars, the combination of car centersills spaced apart and having forward and rear draft lugs on their inner faces, follower plates bearing against said stops, a yoke member positioned between said centersills and supported by said centersills for movement in both directions, a coupler connected with the forward end of said yoke member for moving the yoke member in both directions in response to draft and buff forces applied thereto, shock absorbing units carried entirely by said yoke member and each comprising a shell portion integral with and movable by said yoke and friction members in said shells bearing against said follower plates, an intermediate spring shock absorbing means carried by said yoke member common to both shock absorbing units and positioned therebetween, and means for rendering either one of said shock absorbing units effective depending upon the direction of movement of said yoke member.



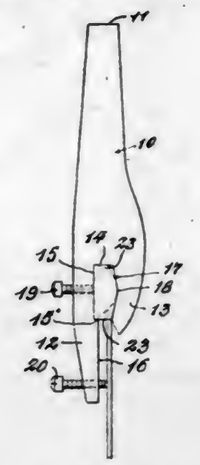
2,408,196
SPRINKLER HEAD
Rudolph E. Carlson, Jacksonville, Fla.
Application June 23, 1944, Serial No. 541,796
2 Claims. (Cl. 299—67)



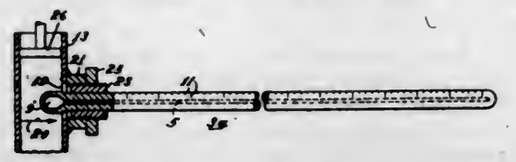
1. A sprinkler head for use with underground lawn sprinkling systems comprising a hollow substantially bell-shaped body member, having a threaded opening at the reduced end thereof, a transverse wall inwardly of said threaded opening, said wall having a plurality of openings in communication with said threaded opening, an axially disposed stud on said wall, said stud having a portion of reduced diameter and a head thereabove, a substantially bell-shaped turbine of dimensions to fit within the open end of said body member and having an outer circumference normally adapted to rest upon the open end of the hollow body member, said turbine having an axial sleeve slidably receiving said stud, said sleeve having an interior groove, a ring within the groove positioned to encircle said reduced portion of the stud, and said turbine having a plurality of vane members on the exterior surface disposed in the path of water discharged through the openings of the wall.

2,408,197
SAW-TOOTH SETTING DEVICE
Ira L. Church, Reed City, Mich.
Application July 13, 1945, Serial No. 604,890
1 Claim. (Cl. 76—72)

A saw tooth setting tool comprising an elongated body having an end for receiving the blow of a hammer and a bifurcated opposite end defining a long leg and a short leg, said long leg having a recessed part upon its inner face adjacent the bight of said furcation, the inner face of said short leg having converging walls opposed to said recessed part of the long leg, an anvil seated in said recessed part and having an apex portion complemental to the juncture of said converging walls, said anvil having a V-shaped notch formed in a pair of opposed walls thereof, said notches extending in the direction of the short leg, a set screw in the long leg adapted to impinge upon the base wall of the anvil in alignment with the apex of the anvil and the juncture of said converging walls and a second set screw in said long leg adjacent the lower end thereof for centering of a saw body with respect to the notch of the anvil, said last named set screw being in opposed relation to the line of travel of a saw tooth under setting action.



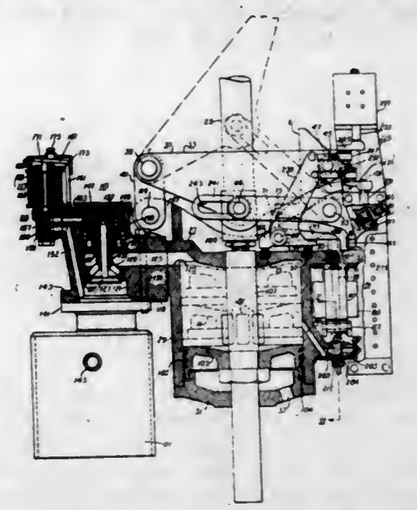
2,408,198
ULTRA HIGH FREQUENCY POWER MEASURING DEVICE
John W. Coltman, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1943, Serial No. 474,884
18 Claims. (Cl. 171—95)



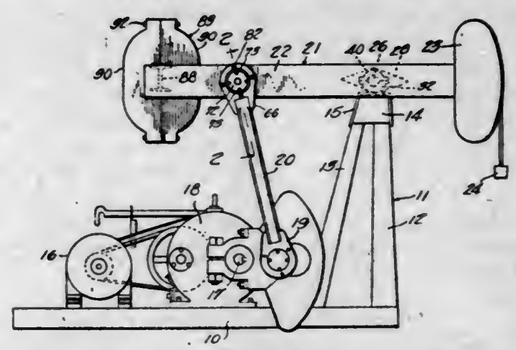
1. A device for measuring the intensity of an ultra high-frequency electric field comprising an elongated envelope of translucent, insulating material having a capillary bore therein filled with gas of the type which produces a glow in the presence of an electric field of a predetermined intensity, said envelope being adapted to have the electric field to be measured introduced into said bore at a selected place whereby said field travels along said bore from said place, said bore being of such length that said field decreases below said predetermined intensity intermediate the ends of the bore.

2,408,199
CIRCUIT BREAKER
James M. Cumming, Turtle Creek, and Richard C. Cunningham, East McKeesport, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 13, 1941, Serial No. 410,686
17 Claims. (Cl. 175—294)

1. In combination, a circuit breaker biased to open circuit position, operating mechanism therefor comprising an operating cylinder, a piston in said cylinder operatively related to the breaker, a source of compressed air for operating said piston to close the breaker, means including an inlet valve operable to connect said source of compressed air to said cylinder to close the breaker, latching means for releasably holding said breaker closed, tripping means operable in response to predetermined abnormal conditions in the circuit to cause said latching means to release the breaker and thereby cause opening of the breaker, air pressure exhaust means connected to said cylinder intermediate its ends so as to be closed off by said piston when in an intermediate position, said exhaust means including a normally closed exhaust valve directly connected to said cylinder apart from the connection to said source of compressed air, said valve when opened causing quick collapse of pressure in said cylinder except when said piston is at or to one side of said intermediate position, and means operated by said tripping means upon operation thereof for causing opening of said exhaust valve.



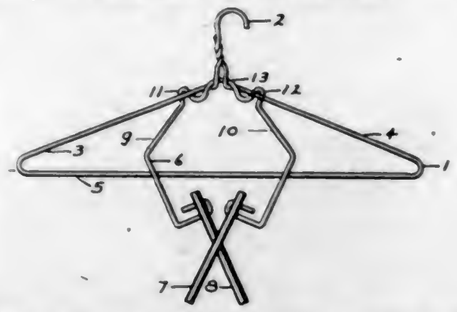
2,408,200
WALKING BEAM STRUCTURE
Robert G. De La Mater, Parkersburg, W. Va., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a corporation of West Virginia
Application August 30, 1944, Serial No. 551,908
10 Claims. (Cl. 74—41)



1. A walking beam for oil well pumping rigs and the like comprising a pair of structural members spaced substantially throughout their lengths and fixed with respect to each other at the well end of the beam, and rigid means fixed to said structural members at a point substantially spaced from the well end of the beam, said rigid means being arranged within the space between said structural members and projecting there-

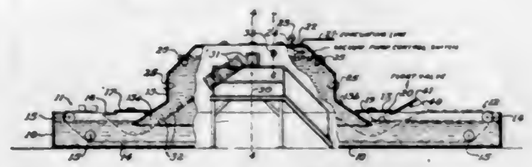
through for connection with pitman means, and a trunnion arranged in the space between said structural members and rigidly connected at its ends thereto between said rigid means and the well end of the beam to form a part of a rocking support for the beam.

2,408,201
CLOTHES HANGER
Charles Manuel Derderian, Richmond, Va.
Application February 6, 1945, Serial No. 576,428
2 Claims. (Cl. 223—88)



1. The combination of a coat hanger consisting of a hook secured to oppositely arranged shoulder members, joined by a basal support, of a lapel holder consisting of a loop passing around the rear of said hook and then extending oppositely and downwardly around front portions of said shoulder members and then extending upwardly around rear portions of said shoulder members to form rounded braces, each of said braces having an arm depending therefrom and to which is respectively secured struts adapted to engage the lapels of a coat for positioning the latter.

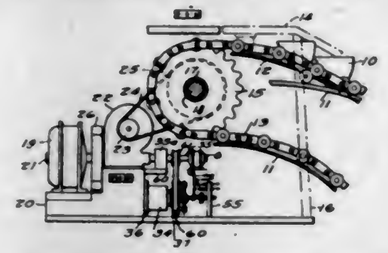
2,408,202
APPARATUS FOR VACUUM TESTING SEALED ARTICLES
Robert H. Dickman, Evansville, Ind.
Application November 7, 1944, Serial No. 562,303
5 Claims. (Cl. 73—45)



1. Apparatus for vacuum-testing sealed articles for leakage, comprising an elongated liquid-containing tank, having an elevated intermediate portion which is hermetically sealed to the main tank by a water seal and which constitutes a testing chamber, means for applying a partial vacuum in said testing chamber to raise the liquid therein to a level above the level in said tank and means for moving articles successively from said tank into said elevated testing chamber and then back into said tank.

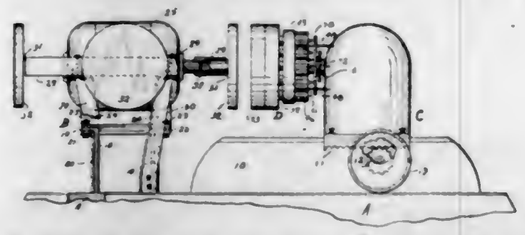
2,408,203
MOVING STAIRWAY
William F. Eames, Westfield, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 30, 1942, Serial No. 470,657
10 Claims. (Cl. 188—172)

1. In a control system for a movable body, an electric motor, an electromagnetic brake, control means for connecting and disconnecting the motor and the brake to a source of electric energy for starting and stopping the body, an auxiliary circuit for the brake, means responsive to operation of the control means in connecting the motor to be energized for preparing the auxiliary cir-



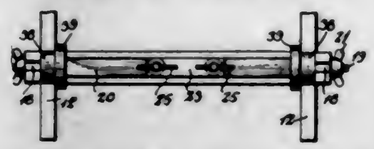
cuit for operation, mechanism automatically responsive to a decelerating movement of the body in making a stop for maintaining the auxiliary circuit in condition for operation, and means responsive to a predetermined excessive rate of deceleration for completing the auxiliary circuit to reduce the braking effect of the brake.

2,408,204
LAPPING AND HONING MACHINE
M. Edward Early, Rockford, Ill.
Application October 27, 1944, Serial No. 560,657
4 Claims. (Cl. 51—133)



3. A device of the character described, comprising a head having a protruding driven shaft, an eccentric gear and bearing member rotatably mounted on said shaft, a ring rotatably mounted on said bearing member, a number of spaced work holder equipped shafts rotatably mounted on said ring having pinions adapted to mesh said gear, a driving member secured to the end of said driven shaft operatively connected to said ring, releasable means associated with said work holding means, means adapted to hold said gear and bearing elements from turning, whereby the work will be revolved and also turned around said driving shaft and oscillated radially.

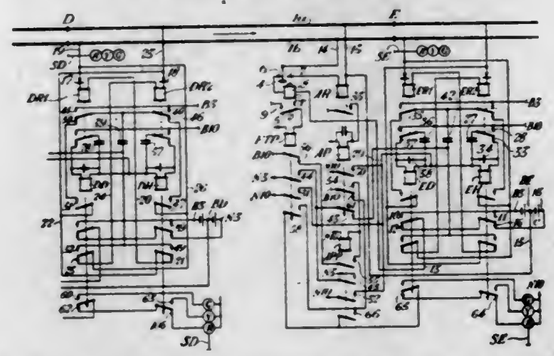
2,408,205
QUILTING FRAME
Robert N. Fancher, Springfield, Mo.
Application August 24, 1945, Serial No. 612,323
6 Claims. (Cl. 45—24)



1. A quilting frame structure comprising a pair of vertical posts, a bottom transverse bar connecting said posts, a top transverse bar rotatably mounted in and connecting said posts, elongated vertical slots formed in the intermediate portions of said posts, a rectangular frame adjustably supported between said posts by bolt

members secured to said frame and extending through said slots, and a flexible member secured to said frame and wound over said top transverse bar for raising or lowering said frame responsive to rotation of said top transverse bar.

2,408,206
APPARATUS FOR RAILWAY SIGNAL SYSTEMS
Frederick T. Fereday, Louisville, Ky., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 6, 1944, Serial No. 517,197
2 Claims. (Cl. 246—38)

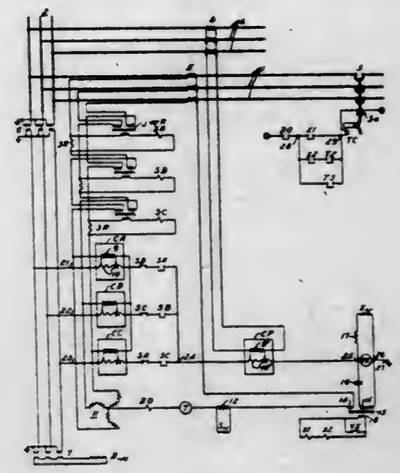


1. In combination with a railway track circuit including the rails of a section and a track relay connected across the rails at one end of said section, a source of direct current, a code transmitter having a first contact member biased to a first position where it engages a fixed contact and operable to a second position where it is out of engagement with said fixed contact when a winding of the transmitter is energized, circuit means including said fixed contact and said contact member to connect said current source across the rails at the end of said section opposite said one end through said winding to code the current supplied to said track circuit for operating said track relay at said code when the section is unoccupied, a second contact member operable by said transmitter to engage a fixed contact only when said transmitter winding is energized at a relatively high value of current to close the last mentioned contact only when a train occupies the section to shunt the rails, and a first and a second signaling means controlled by said track relay and said second transmitter contact member respectively.

2,408,207
TREATMENT OF CLAYS
Allen D. Garrison and Karl C. ten Brink, Houston, Tex., assignors to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application November 6, 1941, Serial No. 418,030
12 Claims. (Cl. 252—301)

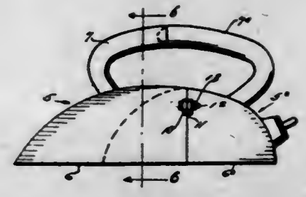
1. The process of treating an activable, non-swelling clay containing montmorillonite to improve the adsorptive characteristics thereof which comprises converting said non-swelling clay into a swelling clay by suspending the clay in a dilute aqueous medium having a pH of at least 8.5 and containing a small amount of a dispersing agent furnishing alkali metal ions that promotes the separation of the primary particles of the clay for a period of time sufficient to produce a substantially completely dispersed and hydrated clay, incorporating an inorganic gel in the clay while in the highly dispersed and hydrated state, and drying the dispersed and hydrated clay containing the inorganic gel to produce a clay product of improved adsorptive characteristics.

2,408,208
SIMPLIFIED GROUND RELAY
Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 10, 1944, Serial No. 521,801
20 Claims. (Cl. 175—294)



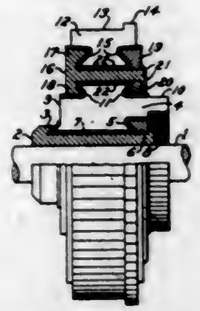
1. Terminal protective equipment for protecting a terminal of a three-phase line-section, comprising the combination, with a line-segregating circuit-interrupting means at that terminal of the line-section, of circuit-interrupter-controlling relaying-means comprising a single-phase distance-responsive ground-fault relaying means, means for supplying to said ground-fault relaying-means a single-phase relaying-current dependent upon the zero-sequence component of the line-current, means for supplying to said ground-fault relaying-means any one of a plurality of single-phase relaying-voltages dependent upon the different line-to-ground line-voltages respectively, preventive means for normally rendering said ground-fault relaying-means inoperative, ground-fault phase-selector means for selecting and applying one of said relaying-voltages to said ground-fault relaying-means, and means for removing the effect of said preventive means when one of said relaying-voltages is applied to said ground-fault relaying-means.

2,408,209
ELECTRIC IRON
William L. Gould, Albany, N. Y.
Application April 15, 1944, Serial No. 531,250
6 Claims. (Cl. 219—25)



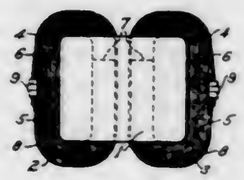
1. An electric iron comprising a plurality of at least two iron sections, each having a pointed front end and an ironing surface and each provided with a separate permanent handle member, a heating element for each iron section, means at one end of each iron section to facilitate electrical connection of its heating element with a source of electricity, and mechanical means for rigidly securing said iron sections together.

2,408,210
COMMUTATOR CONSTRUCTION
Fred A. Heddleson and Andrew C. Welerich, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 27, 1945, Serial No. 579,972
6 Claims. (Cl. 171—320)



1. A double commutator assembly for mounting on the shaft of a dynamo-electric machine, said assembly comprising a plurality of commutator bars disposed in a first commutator cylinder, means for holding said bars in assembled relation and for mounting said commutator cylinder on a shaft, said first commutator cylinder having a V-groove in its peripheral surface, a plurality of commutator bars disposed in a second commutator cylinder surrounding said first commutator cylinder, said second commutator cylinder being secured to the first commutator cylinder by means of said V-groove.

2,408,211
ELECTRICAL INDUCTION APPARATUS
John K. Hodnette, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1941, Serial No. 377,472
11 Claims. (Cl. 175—356)



1. In a magnetic structure for electrical apparatus, a plurality of core loops each formed from a ribbon of magnetic sheet steel wound flatwise layer upon layer and having a substantially rectangular window therein, the several layers being bonded together to form a solid mass, smooth butt joints on opposite sides of the rectangular loops to provide separable sections, and a resilient band of metal about the core loops under constant tension for maintaining a constant pressure on said butt joints.

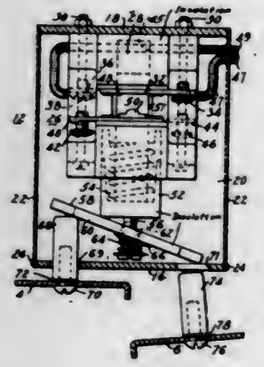
2,408,212
ELECTRICAL INDUCTION APPARATUS
John K. Hodnette, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application July 20, 1943, Serial No. 495,421. Divided and this application July 18, 1944, Serial No. 545,487
6 Claims. (Cl. 175—356)

1. In a three-phase induction apparatus having a winding structure comprising three sets of windings, each set adapted to be connected to one of the three phases of an electric circuit, said three sets of windings being arranged in a row with their axis in alignment, a core structure comprising a plurality of core loops each formed of magnetic sheet material wound flatwise, the spaces between the successive layers of magnetic sheet material being filled with a substantially non-flowable, non-volatile, molded, solid mate-



rial for solidly supporting the several layers of material against relative movement, each loop being cut to form closely fitting butt joints on opposite sides thereof and to provide separable core sections, the core structure comprising a plurality of core loop members, certain of said core loop members extending through a window of one set of windings only, and other core loop members adjacent thereto extending through the windows of all sets of windings.

2,408,213
ELECTRIC CIRCUIT CONTROLLER
John K. Huber, Lakewood, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 4, 1942, Serial No. 433,349
11 Claims. (Cl. 200—54)



11. A housing for electrical apparatus, double doors for said housing, switch means supported by said housing in proximity to said doors to be actuated thereby in the closed positions of said doors, said switch means including separable contacts normally biased apart and adapted to be connected in the supply circuit to said apparatus to control energization thereof, a casing for said switch, actuating means for said switch means within said casing and spaced from the adjacent wall of said casing, spaced apertures in said casing wall aligned with spaced portions of said actuating means, projections on said doors for entering said apertures, respectively, and engaging said actuating member to move at least one of said contacts into engagement with another contact only when both of said doors are closed, but ineffective to cause engagement of said contact if one or both of said doors are on open position, and means whereby the effective length of said projections may be adjusted.

2,408,214
HIGH TRACTION SOLE AND HEEL
Harry A. Husted, St. Clair, Mich.
Application April 28, 1945, Serial No. 590,808
2 Claims. (Cl. 36—59)



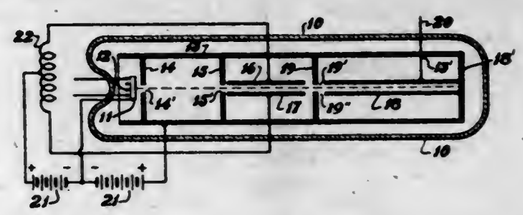
1. A sole, a heel attached thereto, said sole and heel being molded of rubber-like material, a tread on said sole and heel, said tread comprising: an area at the toe knurled to provide traction in any direction in the plane of the sole and to provide minimum anchorage normal to said plane; an area at the rear of said heel providing traction in the plane of said heel primarily in the direction of the toe, the remainder of said heel surface substantially duplicating said toe area; and an area in said sole intermediate said toe area and the shank comprising zig-zag ribs of substantial width and substantially spaced, one from the other, said tread being formed of the material of said sole and heel.

2,408,215
CATALYST PRODUCTION
George H. Keating, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 11, 1944, Serial No. 521,975
8 Claims. (Cl. 252—259.2)

6. A process for the production of catalysts comprising a major proportion of a silica gel and a minor proportion of alumina gel in ring form, which comprises mulling a composition composed predominantly of a combination comprising a major proportion of hydrated silica gel and a minor proportion of hydrated alumina gel, said gels being prepared by precipitation in aqueous solution, while moist and before removal of water of hydration, with a dry, finely-divided starch in an amount corresponding to at least 30 per cent of the dry weight of the catalyst gel until a substantially homogeneous plastic mass is formed, extruding the plastic mass into ring form, drying the rings, and calcining to remove said starch from said catalyst gel.

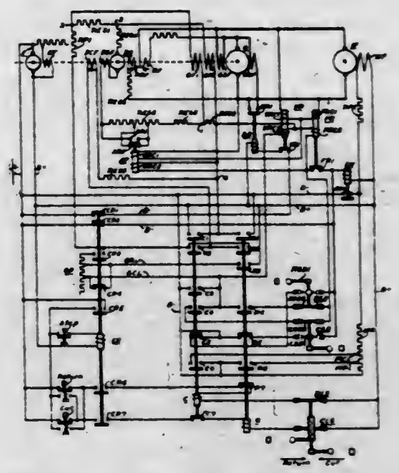
2,408,216
BEAM DEFLECTION ELECTRON DISCHARGE DEVICE
George Ross Kilgore, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 6, 1942, Serial No. 433,580
12 Claims. (Cl. 250—27.5)

1. An electron discharge device having a cathode for supplying a stream of electrons, an output electrode system in the path of said beam of electrons and including an inner conducting member surrounded by an outer hollow conducting member and forming therewith a resonator, tubular shielding means positioned between the cathode and the output electrode system, and a pair



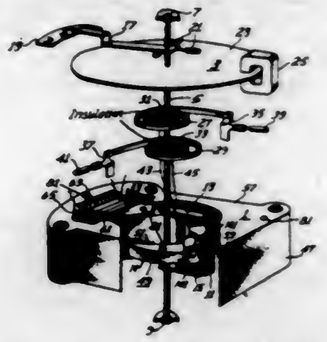
of apertured transverse elements within said tubular shielding means and positioned between the cathode and the output electrode system, and a pair of deflecting electrodes positioned between said aperture transverse elements and between which the path of said beam extends to said output electrode system.

2,408,217
CONTROL SYSTEM
George E. King, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 27, 1944, Serial No. 542,402
3 Claims. (Cl. 172—179)



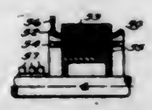
1. In a system of control for a motor, the combination of, a generator having a pair of field windings, a motor directly connected to be energized by the generator, an electrical bridge circuit including said generator field windings in opposite legs thereof and having electrical bridge balancing elements in the remaining two opposite legs, a source of electrical energy for energizing the bridge circuit, a regulating generator including a series connected field winding and three separately excited field windings, said regulating generator including the series field winding being connected across the output terminals of said bridge circuit, two of said separately excited field windings being differentially connected to the motor-generator circuit, one winding being connected to be energized in an amount proportional to the current in the motor-generator circuit and the other winding being connected to be energized in an amount proportional to the motor armature terminal voltage, and the third separately excited field winding being connected in a circuit disposed across the input terminals of said bridge circuit.

2,408,218
ELECTRICAL MEASURING INSTRUMENT
Bernard E. Lenehan, Bloomfield, and George J. Wey, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 10, 1943, Serial No. 509,728
7 Claims. (Cl. 172—245)



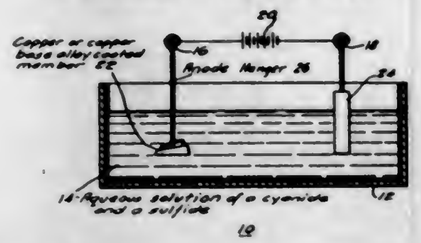
1. In a device responsive to the frequency of an alternating electrical quantity, a magnetic structure having an air gap, a coil having a portion positioned in said air gap, means mounting said coil for movement relative to said magnetic structure to direct said portion through said air gap, means associated with said magnetic structure and responsive to the alternating quantity to be measured for directing a magnetic flux through said air gap and through said coil, said magnetic structure being configured to effect a change in inductance of said coil as said coil moves through said air gap, a circuit containing inductance and capacitance, said circuit including said coil and being proportioned to be resonant for the range of frequencies to which said device is designed to respond, whereby magnetic flux passing through said coil causes current to flow in said circuit having a phase relationship relative to the magnetic flux in said air gap which is dependent on the deviation of the frequency of the alternating quantity to be measured from the value corresponding to the position of said coil relative to said magnetic structure, a substantial portion of the inductance in said circuit having a non-magnetic core, and auxiliary means for energizing said circuit in accordance with the alternating quantity to be measured.

2,408,219
POLYPHASE MULTIPOLAR WINDING
Michael Liwschitz, Brooklyn, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1944, Serial No. 520,233
13 Claims. (Cl. 171—206)



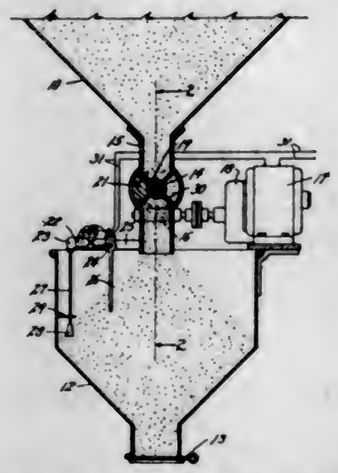
1. A multipolar electrical apparatus having a magnetizable core having equally spaced slots, and a balanced polyphase wave-winding having coil-sides lying in said slots, characterized by said core having a number of slots per phase per pole that is represented by a fraction which, when reduced to its lowest terms, has a denominator greater than 2, said denominator representing the number of poles in a repeatable group of slots, and the numerator of said fraction representing the number of slots per phase in each repeatable group, the 180° slot-star of the voltage-vectors of the voltages induced in the coil-sides lying in the slots of each repeatable group being divided into as many groups of consecutive vectors as there are phases, and each phase of the winding in each repeatable group including one or more sub-groups composed of coils which follow each other around the core in the same order followed by the corresponding vectors in the portion of the slot-star assigned to said phase.

2,408,220
STRIPPING OF COPPER FROM ZINC
John C. Lum, Union, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1943, Serial No. 474,784
2 Claims. (Cl. 204—146)



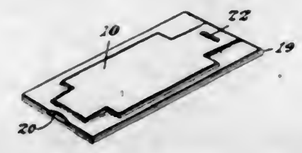
2. The process of rapidly and substantially completely removing a surface layer of a metal of the group consisting of copper and copper base alloys containing a major amount of copper applied to a zinc base member without detrimentally affecting the zinc base member which comprises immersing the member in an aqueous solution composed essentially of from saturation to one part by weight of an alkali metal cyanide and from saturation to one part by weight of an alkali metal sulfide for each 100 parts by weight of water and applying direct current, the member being the anode while being immersed in the solution.

2,408,221
AUTOMATIC MEANS RESPONSIVE TO QUANTITY OF MATERIAL IN DISCHARGING RECEIVER FOR CONTROLLING DELIVERY FROM SOURCE
Jacob L. Michel, Denver, Colo., assignor to Bluhill Foods, Incorporated, Denver, Colo., a corporation of Colorado
Application April 22, 1944, Serial No. 532,339
2 Claims. (Cl. 222—56)



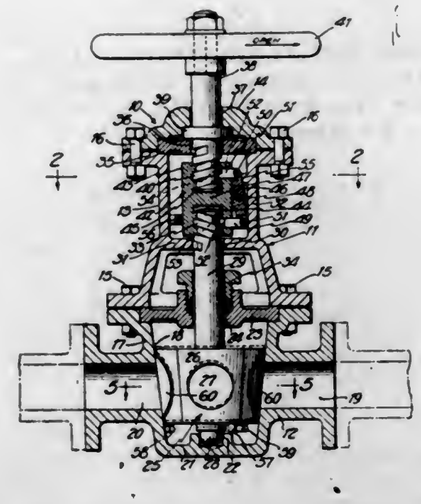
1. Means for controlling the discharge of finely divided material from a receptacle comprising: a boot for receiving said material from said receptacle; a feeder in said boot for feeding material therethrough; a motor operating said feeder; a mercury tilt switch controlling the current to said motor; a tiltable arm supporting said switch; a paddle projecting from said arm into the flow of material from said boot for tilting the former; and a supporting member depending from said arm into said material to support the arm after the material has left said paddle.

2,408,222
BLADE PACKAGE
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application March 25, 1944, Serial No. 528,102
3 Claims. (Cl. 206—46)



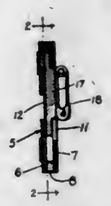
1. An open container for use in forming a blade package, comprising a straight elongated blank of pasteboard having therein a pair of substantially identical rectangular recesses spaced apart and connected through a common trough of less width than the recesses and intersected by a transverse scored line, the said recesses and trough being surrounded with complementary flat areas whereby the container may be sealed when folded on said scored line.

2,408,223
ROTARY GATE VALVE
Herbert G. Nash, Kew Gardens, N. Y.
Application December 17, 1943, Serial No. 514,626
2 Claims. (Cl. 74—22)



1. In a mechanism for imparting lift-turn movements to a member having a stem provided with a threaded portion, an actuating stem in axial alinement with said first stem and in spaced relation to one end thereof, said actuating stem having a threaded portion of a reverse pitch from the threaded portion on the first stem, a coupling nut having opposed screw threaded sockets complementary to the respective threaded portions of the stems and with which they threadingly engage, and means for alternately keying the coupling nut to the stems during a single continuous turning movement of the actuating stem in one direction to impart a lift-turn movement to the first stem, said means including a rock arm pivoted to the coupling nut, key pins pivoted to the ends of the rock arm for alternate reception in keyways provided in the respective stems, and fixed cam elements respectively disposed in the path of the rock arm at opposite sides of the pivotal axis of the rock arm and with which the opposed end portions of the rock arm respectively engage.

2,408,224
CAMPAIGN BADGE
John B. Palmer, Los Angeles, Calif.
Application December 4, 1944, Serial No. 566,440
1 Claim. (Cl. 40—1.6)

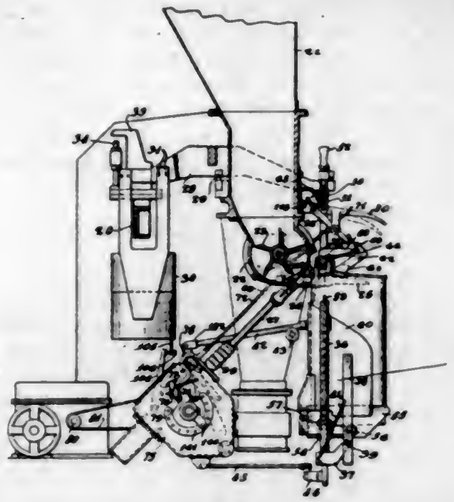


A badge of the class described comprising front and rear walls maintained in spaced parallel relation by spacing strip walls, said walls defining a rectangular walled chamber, said front wall having a centrally located substantially rectangular horizontal window, said rear wall having a centrally located vertical substantially rectangular opening, in combination with a panel slidably fitted within the major portion of the walled rectangular chamber, said panel having two labels adhesively secured respectively on each side of a centrally located horizontal line on said panel, said labels having indicated thereon respectively the names of opposing candidates for a certain office, said labels and names thereon being individually and selectively displayed through the window of the front wall, said panel having on its rear side a centrally located vertical boss extending through the rectangular opening in said rear wall and slidably received therein, cooperating stops on said panel and on said walled chamber to provide for limited movement relatively of said walled chamber and panel, whereby the alignment of either label and its name for display through the window may be accomplished, means on said boss whereby said badge may be secured on a garment for display purposes.

2,408,225
VALVE BAG FILLING, WEIGHING, AND DISCHARGING APPARATUS
William R. Peterson, Oswego, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application July 22, 1942, Serial No. 451,883
5 Claims. (Cl. 249—60)

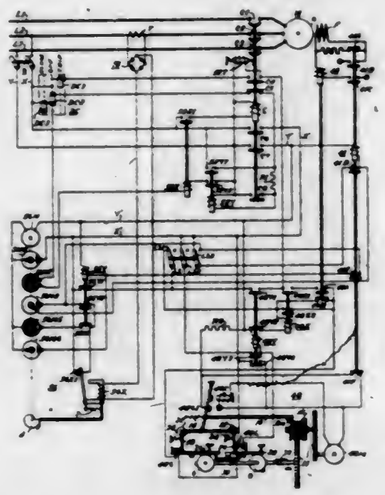
1. In apparatus for filling and discharging receptacles, means for feeding material to a receptacle, a one-revolution clutch, manual means for closing the clutch, means responsive to the operation of said clutch for initiating the feed of material to the receptacle, adjustable means for opening the clutch during the course of its one revolution, weighing means, means responsive to the action of said weighing means for stopping the feed of material to the receptacle

and reclosing the clutch, and means actuated and timed by the clutch for discharging the receptacle



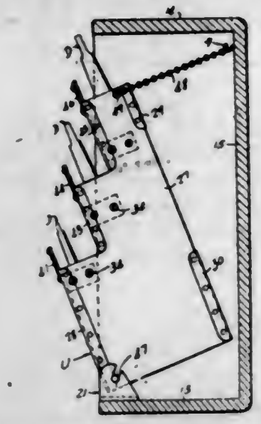
near the completion of the one revolution of the clutch.

2,408,226
CONTROL SCHEME
Mark A. Pringle, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 3, 1944, Serial No. 538,683
7 Claims. (Cl. 172—289)



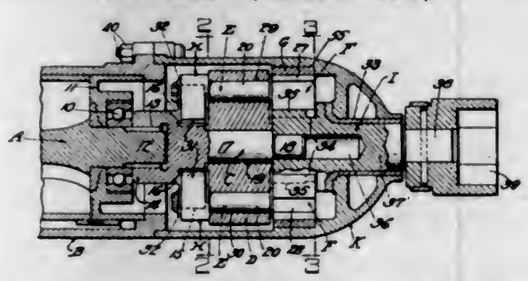
1. A control system for a synchronous motor having conventional windings including armature windings and field windings comprising, in combination, electrical means operative to energize said armature windings, control means responsive to selected electrical characteristics of said motor for energizing said field windings, timing means having sequentially operated control elements, means responsive to energization of said field windings and operative in conjunction with the first operated of said control elements for rendering said electrical means inoperative only during the time limits determined by the first operated control element, means responsive to the second operated of said control elements, and means forming a part of said control means and operative in conjunction with said means responsive to the second operated control element when the rate of change of said selected electrical characteristics of said motor is below a predetermined value, for also rendering said electrical means inoperative.

2,408,227
TILTABLE SHELVES DRILL HOLDER CASE
Jesse A. Ramsey, Wenonah, N. J.
Application June 24, 1944, Serial No. 541,951
1 Claim. (Cl. 206—17)



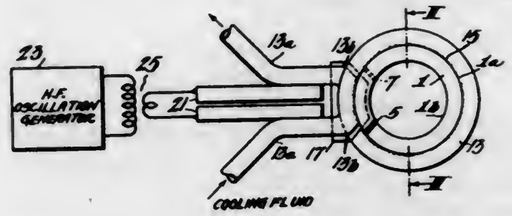
A drill holder of the character described, comprising a casing consisting of a pair of complemental casing sections, a drill holder unit tiltably and removably mounted in each casing section, each drill holder unit comprising stepped end walls joined by a front end wall and rear strips, a plurality of shelves extending between said end walls and corresponding in position to said stepped construction, each of said shelves having a series of openings; a drill supporting pin associated with each opening and having an end projecting thereinto, a panel projecting above each of the upper shelves, the upper edge of the said front end wall extending upward above the bottom shelf to form an extending panel and an indicating strip carried by each panel, each of said indicating strips having a series of openings corresponding in number and arrangement to the series of openings in the shelf with which it is associated.

2,408,228
IMPACT TOOL MECHANISM
Carroll H. Richards, Boston, Mass.
Application February 24, 1944, Serial No. 523,694
6 Claims. (Cl. 192—30.5)



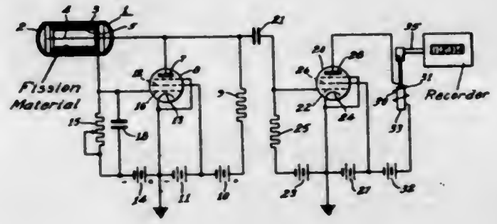
1. In an impact tool in combination, a rotatable driving member, a rotatable driven member having an impact receiving surface, a driving connection between said driving and driven members including a force receiving member rotatably mounted to rotate relative to said members, a hammer rotatably carried by said force receiving member and having an impact applying surface adapted to impact said receiving surface, said impact applying and impact receiving surfaces at the time of impact being positioned with respect to the axis of rotation of said hammer so that a line normal to their engaging surfaces at any point of the entire portion thereof passes in back of said axis with respect to the direction of rotation of the driving member whereby, when the force resisting movement of the driven member exceeds the force tending to drive said driven member said force receiving member is moved faster than said driving member in the direction of rotation of the driving member and the hammer is rotated in one direction about its axis to disrupt its driving connection with said impact receiving surface, said driving connection also including means for causing said hammer to rotate in the opposite direction when said driving connection has been disrupted, said last mentioned means including a member operatively connected with said hammer and contacting a driving surface on said driving member, and guide means for controlling the extent of rotation of said hammer in said opposite direction to locate the impact applying surface thereon in a predetermined position relative to said impact receiving surface.

2,408,229
ELECTRICAL HEATING APPARATUS
Wesley M. Roberds, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1943, Serial No. 485,133
12 Claims. (Cl. 219—13)



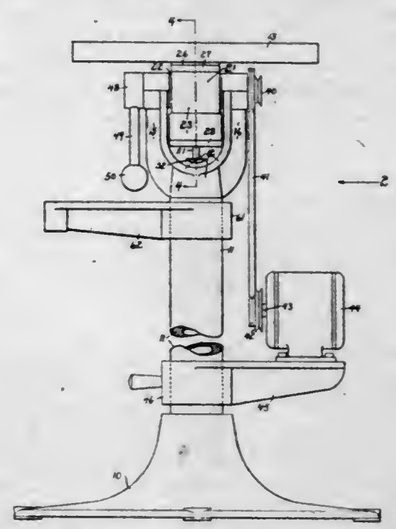
1. An inductor coupling coil for electrical heating apparatus comprising a single turn, annular conductor having overlapped terminal portions spaced from each other in a direction parallel to the axis of said turn to provide a gap therebetween, said turn having substantially uniform overall thickness in said direction throughout the entire circumference thereof.

2,408,230
MEASURING APPARATUS
William E. Shoupp, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 9, 1941, Serial No. 422,271
11 Claims. (Cl. 250—83.6)



1. In a counter for indicating neutron particles, a counter tube including a pair of discharge electrodes in a gaseous atmosphere, material capable of atomic fission under neutron bombardment, thereby liberating radiation causing ionization of said atmosphere, associated with one of said electrodes, and an ionization responsive circuit connected between said electrodes.

2,408,231
TILTABLE ROTARY POWER-DRIVEN WORK-HOLDING UNIT
Harry A. Skilton, Watertown, Conn.
Application April 10, 1945, Serial No. 587,529
13 Claims. (Cl. 51—237)



1. A tiltable rotary power-driven work-holding unit, including in combination: a support having a bearing; a tiltable bearing-head having a tubular trunnion mounted for oscillation in the bearing of the said support; a first gear-member carried by the said bearing-head adjacent the inner end of its said tubular trunnion; drive-means projecting through the tubular trunnion of the said bearing-head and connected to the said first gear-member for driving the same; a work-carrying spindle mounted in the said bearing-head for rotation about an axis disposed at an angle with respect to the axis of the tubular trunnion of the bearing-head; a second gear-member also carried by the said bearing-head and meshing with the said first gear-member; and releasable coupling-means operatively interposed between the said drive-means and the said spindle to selectively connect and disconnect the same; the said bearing-head, second gear-member and work-carrying spindle being jointly tiltable about the axis of the said tubular trunnion.

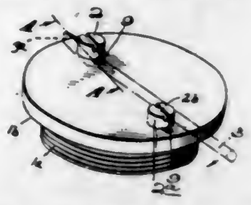
2,408,232
CHEMICAL COMPOUNDS AND PROCESSES
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 7, 1946, Serial No. 639,701
5 Claims. (Cl. 260—461)

1. An aromatic amine salt of 3-methyl-butyl, 2-ethyl-hexyl orthophosphate.

2,408,233
SCREW-THREADED CLOSURE DEVICE
Sydney Hartley Smith, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application December 21, 1943, Serial No. 515,104
In Great Britain November 13, 1942
4 Claims. (Cl. 220—39)

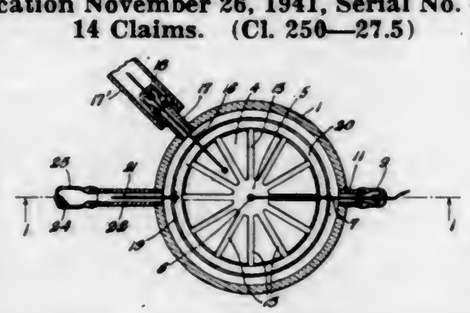
1. A closure device which comprises a rotatable closure body provided with a pair of spaced re-

cesses opening outward, each shouldered to provide a neck portion and an enlarged inner portion with a closed base, a peg slidably mounted in each recess for movement between elevated and depressed positions and rotatable in depressed position, said peg being provided with lateral projections working in longitudinal slots in the wall of said neck portion and opening into said enlarged portion, said slots extending in the direction of a straight line passing through both of said recesses, said projections being arranged



to ride clear of said slots when the peg is fully depressed and, by then rotating the peg, to be moved under the shoulder of said recess for retaining engagement therewith, a spring compressed between said peg and the base of the recess, and means projecting laterally from said peg adapted and arranged, when said lateral projections are engaged in said slots, to stop outward movement of the peg by engagement with said shoulder, when the peg has been urged outwardly to project a substantial distance beyond said head.

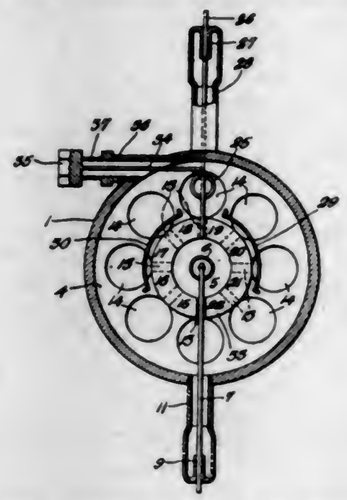
2,408,234
TUNABLE MAGNETRON
Percy L. Spencer, West Newton, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, a corporation of Delaware
Application November 26, 1941, Serial No. 420,558
14 Claims. (Cl. 250—27.5)



7. An electron discharge device comprising a sealed envelope containing an elongated cathode, an anode structure having adjacent anode elements defining a transverse cavity resonator, an adjustable tuning element within said envelope adjacent said cavity resonator, said tuning element comprising a conductive member, and means connected to said tuning element for adjusting the position of said conductive member toward and away from said cavity resonator.

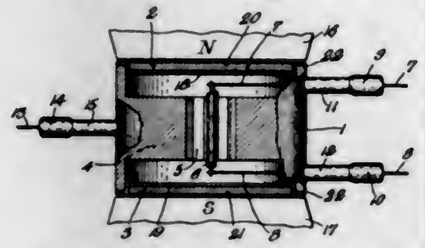
2,408,235
HIGH EFFICIENCY MAGNETRON
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application December 31, 1941, Serial No. 425,071
10 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising an electrode structure including a cathode and an anode, said electrode structure having a configuration constituting capacitance and inductance elements forming circuits which are adapted to have oscillations set up therein, said oscillations being all of the same frequency, a plurality of predetermined points on said electrode structure at which in-phase voltage loops of said oscillations occur, and relatively low impedance means directly interconnecting said points and



forming with portions of said electrode structure an additional oscillating circuit, the frequency of said last-named oscillating circuit being substantially equal to the frequency of said first-named oscillating circuits.

2,408,236
MAGNETRON CASING
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application December 17, 1941, Serial No. 423,307
3 Claims. (Cl. 250—27.5)

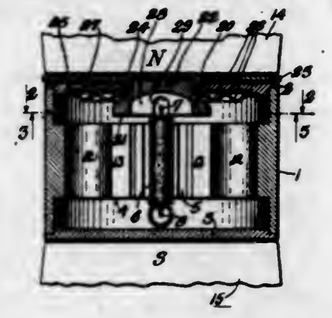


1. A magnetron comprising a hollow envelope of a substantially non-magnetic metal containing cooperating electrode elements, said magnetron being designed and adapted to have a magnetic field set up in the space between said electrode elements, said envelope having an end cap sealed to and closing one end of said hollow envelope, said end cap comprising a sheet of a substantially non-magnetic metal and an insert of magnetic material set into said sheet to decrease the gap space through which said magnetic field must pass.

2,408,237
TUNABLE MAGNETRON
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 6, 1942, Serial No. 433,649
9 Claims. (Cl. 250—27.5)

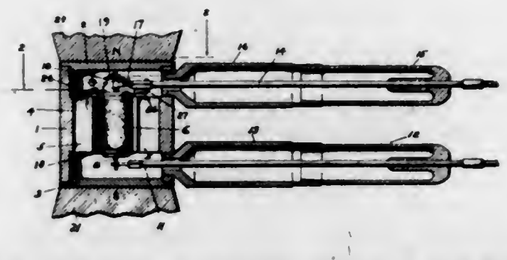
1. An electron discharge device comprising a sealed envelope containing an elongated cathode, adjacent anode elements, and a hollow resonator interconnecting said anode elements, a tuning element within said envelope adjacent said hollow resonator, said tuning element being mounted upon a flexible diaphragm hermetically sealed

in a wall of said envelope, the median plane of said diaphragm being substantially perpendicular to the longitudinal axis of said cathode, and ad-



justable means connected to said diaphragm for flexing said diaphragm in a direction substantially perpendicular to said median plane for adjusting the position of said tuning element.

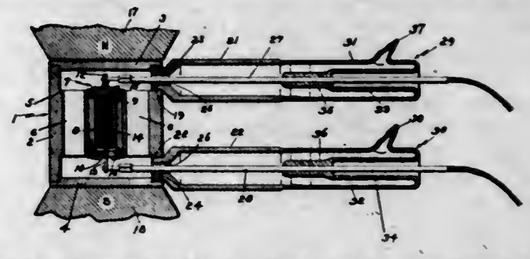
2,408,238
SPACE DISCHARGE DEVICE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 7, 1943, Serial No. 490,113
7 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an envelope containing a cathode and an anode, said anode having a plurality of electron-receiving portions adjacent said cathode, and a cavity resonator interconnecting each pair of electron-receiving portions, said cathode having a pair of electrical terminals, said cathode being rigidly supported within said envelope and provided with an external electrical connection for one of its terminals, a lead-in conductor for the other of said terminals sealed through the wall of said envelope, a flexible electrical conductor connecting said lead-in conductor with the other of said terminals, and a tuning member for said cavity resonator carried by said lead-in conductor, the connection between said lead-in conductor and the wall of said envelope being sufficiently adjustable to provide an adjusting movement of said lead-in conductor and the tuning member carried thereby.

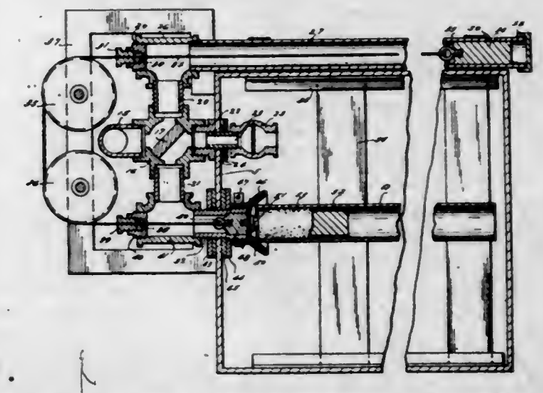
2,408,239
ELECTRONIC DISCHARGE DEVICE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 14, 1943, Serial No. 494,685
5 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising an envelope, a cathode-heater structure, a pair of lead-in conductors connected to opposite ends of said cathode-heater structure, providing supports therefor and extending transversely thereof, a pair of conducting tubes projecting externally of said envelope, said lead-in conductors extending through said conducting tubes and out of contact therewith, glass seals for closing the outer ends of said conducting tubes, said seals having tubular portions projecting outwardly



from said conducting tubes, and reentrant stems projecting back into the outer ends of said conducting tubes for sealing and supporting said conducting rods therein.

2,408,240
SANITARY PIPE WASHER
Ordell E. Stone, Lake Mills, Wis.
Application April 15, 1944, Serial No. 531,167
2 Claims. (Cl. 15—88)

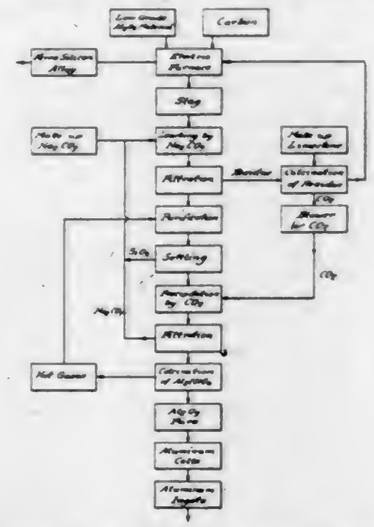


2. In a pipe-washing machine, a tank for a washing solution, means in said tank for supporting a pipe in horizontal position immersed in said solution, a brush in said tank for reciprocation in said pipe to force the solution through the pipe and fitting in said pipe to brush the inside thereof, means for reciprocating said brush comprising a piston fitting in said pipe and operatively connected to the brush, a cylinder extending alongside the tank, a second piston in said cylinder, means for moving said pistons in one and the same direction alternately under pneumatic pressure, and means for causing each piston during its movement in said direction to impart movement to the other piston in a relatively opposite direction.

2,408,241
PRODUCTION OF ALUMINUM
Lucien C. Sturbelle, New York, N. Y.
Application January 16, 1943, Serial No. 472,586
5 Claims. (Cl. 23—141)

5. In a process of producing metallic aluminum from low grade sources of alumina containing substantial amounts of silica, such as low grade bauxites, clays, and coal ashes, the steps of mixing the alumina bearing material from said sources with carboniferous material and lime, with the carboniferous material present in an amount approximately sufficient to reduce the silica, iron oxide and titanium oxide to silicon, iron and titanium and the formation of silicon alloys, and with the lime present in an amount sufficient to give, upon smelting of the mixture, a slag which contains calcium aluminate and di-

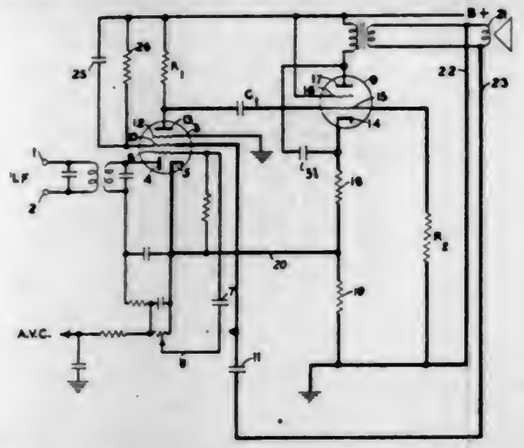
calcium silicate and wherein the calcium aluminate is present as tricalcium aluminate and 5:3 calcium aluminate and mixtures thereof, said slag further being such as to disintegrate automatically upon cooling, smelting the mixture, cooling the same to effect a separation of the alloyed metals from the slag and the solidification of the slag with disintegration at low temperatures, leaching the disintegrated slag with a sodium carbonate solution to form a solution of sodium aluminate and a residue of dicalcium silicate and precipitated calcium carbonate, heating the liquid from the leaching step to coagulate the silicious content thereof, separating the coagulated silica by settling, treating the so purified liquid with carbon dioxide to precipitate aluminum hydroxide and form a solution of sodium carbonate, separating the aluminum hy-



droxide from said solution to form aluminum hydroxide with the liberation of hot gases, using the heat of said gases to heat the liquid from the leaching operation to effect the coagulation of the silicious content, calcining the residue of dicalcium silicate and calcium carbonate to release carbon dioxide and recover a lime-silica mixture, using the released carbon dioxide as the precipitant for the aluminum hydroxide, returning the lime-silica mixture to fresh charges of alumina bearing material together with such quantities of lime and carbon as are required to form the said alloys and slag, returning the solution of sodium carbonate regenerated by the precipitation of the aluminum hydroxide to the leaching step, and treating the precipitated aluminum hydroxide to recover aluminum therefrom.

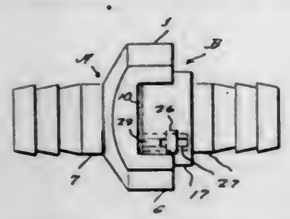
2,408,242
REGENERATIVE BASS COMPENSATION CIRCUIT
Hershel Toomim, Douglaston, N. Y., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y., a corporation of New York
Application December 30, 1944, Serial No. 570,716
12 Claims. (Cl. 179—1)

1. An audio amplifier circuit comprising an input circuit, an audio amplifier tube, and an output circuit, a transducer connected in said output circuit, means for regeneratively feeding back to said amplifier a voltage having a characteristic which discriminates against frequencies lower than the low frequency resonance point of said transducer and in favor of frequencies higher than the low frequency resonance point of said transducer, means for degeneratively feeding back to said amplifier a voltage having a characteristic which discriminates in favor of frequencies higher than the low frequency



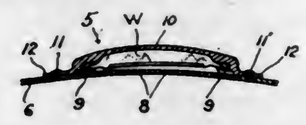
resonance point of said transducer, and means for deriving said second voltage from said transducer.

2,408,243
HOSE COUPLING
John G. Vartanian, Hanford, Calif.
Application June 21, 1944, Serial No. 541,323
2 Claims. (Cl. 285—175)



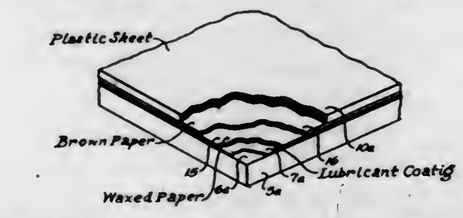
1. A hose coupling comprising separable male and female coupling members, said female coupling member including a hose nipple having spaced diametrically opposed curved jaws integral with one end of the same said nipple being formed at said end with an annular groove concentric with and surrounding its bore, said jaws having circumferentially extending arcuate grooves in their inner faces that open through opposite sides of the respective jaws and terminate in shoulders inwardly of the other sides of said jaws, said grooves defining inwardly extending arcuate flanges on the jaws at the outer sides of said grooves, said flanges having inwardly projecting lugs on and recesses in the inner sides thereof, said male coupling member including a second hose nipple externally enlarged at one end to provide a cylindrical head snugly receivable between the jaws of the female coupling member, said head being formed at its outer end with an annular groove registerable with the annular groove of the nipple of the female coupling member, said head further being formed on opposite sides of its outer end portion with circumferentially extending arcuate ribs receivable in the grooves of said jaws and provided at their inner sides with inwardly projecting lugs and with recesses to respectively engage in the recesses of and to receive the lugs of said flanges upon relative separating movement of the coupling members when the ribs are engaged in said arcuate grooves, and a compressible packing sleeve having its opposite ends engaged in the annular grooves of the nipples and yieldingly acting to effect said relative separating movement of the coupling members, the spaces between adjacent sides of said jaws being greater than the length of said arcuate ribs.

2,408,244
WRIST WATCH BAND AND PROTECTOR
Clayton J. Watkins, Forest City, N. C.
Application April 12, 1945, Serial No. 587,859
1 Claim. (Cl. 224—4)



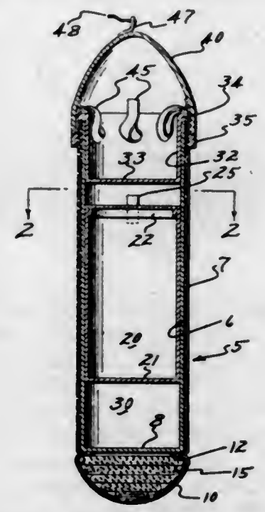
A wrist watch strap comprising an adjustment element, hooks spacedly disposed on the strap to receive the loop ends of a wrist watch, a hood covering the watch and having hook receiving pockets in its inner surface at opposite ends thereof and the major portion of its interior area conforming to the configuration of the watch, means hingedly securing one end of the hood to the strap, means removably securing the opposite end of the hood to the strap, and that area of said strap beneath the watch being spaced from the back of the same and having ventilating apertures therein.

2,408,245
MOLD AND METHOD OF FORMING PLASTICS THEREON
Zachary T. Walter, Los Angeles, Calif.
Application April 9, 1943, Serial No. 482,407
3 Claims. (Cl. 154—110)



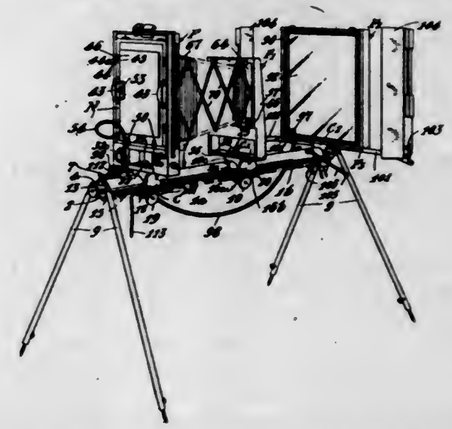
1. The method of forming a plastic product on a mold which comprises superposing on the mold a waxed sheet, superposing on said sheet a sheet of absorbent material and applying the plastic to the exposed surface of the last-mentioned sheet.

2,408,246
AERIAL CARGO LANDING CONTAINER
Zachary T. Walter, Los Angeles, Calif.
Application October 7, 1944, Serial No. 557,612
3 Claims. (Cl. 244—138)



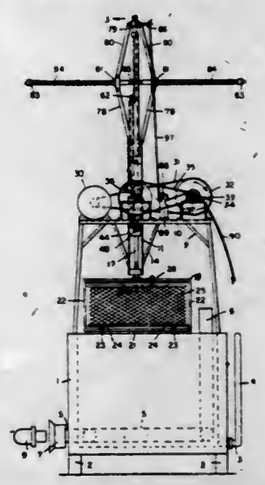
1. A device for landing cargo from an airplane or the like comprising a casing having a bottom end wall, a cargo container slidably mounted as a piston in the casing, said container being slidable longitudinally of the casing in response to impact of the casing with the ground, an impact pad on the bottom end of the casing, a conical cover lid frictionally fitting on the casing and extensible means securing the lid to the casing.

2,408,247
CAMERA
Stephen N. Wekeman, Saddle River Township, Bergen County, N. J., assignor to Sun Chemical Corporation, a corporation of Delaware
Application December 15, 1943, Serial No. 514,311
4 Claims. (Cl. 88—24)



1. In a device of the character described, a tubular support, pivoted legs at each end of said support, means forming a detachable connection between the ends of said support, said means comprising end sections of said support which engage each other in telescopic relation, means for alining said end sections, and mechanism for releasably retaining said end sections in said relation, said mechanism comprising a rotatable retaining member extending through said tubular support and terminating exteriorly of one end thereof in an actuating wheel.

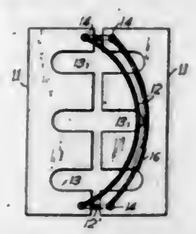
2,408,248
TREATING MACHINE
Quay C. Barber, Cleveland, Ohio; John E. Burnside administrator of said Quay C. Barber, deceased
Application August 10, 1945, Serial No. 610,133
8 Claims. (Cl. 134—46)



1. In a device of the character described, the combination of a treating vat, a work support adapted to move into and out of said vat, means

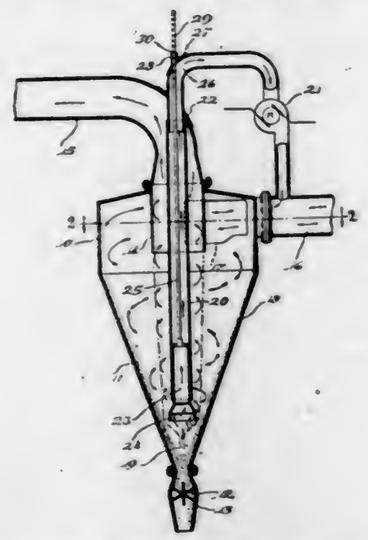
urging said work support to a position out of said vat, a cross-head, continuously operating means for reciprocating said cross-head, and means for releasably connecting said work support to said cross-head.

2,408,249
BOTTLE CARRIER
Lawrence H. Cohn, University City, Mo.
Application June 22, 1944, Serial No. 541,639
1 Claim. (Cl. 224—45)



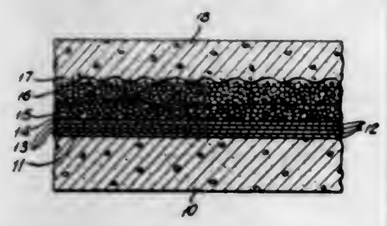
A device for carrying bottles comprising a pair of flat rigid members disposed in side-by-side relation, said members having complementary rows of recesses formed in their opposed side margins, each of said recesses being of width snugly to receive the neck of a bottle immediately below the rim or head portion thereof, and being of greater depth than the neck diameter immediately below the rib or head portion of the bottle; a handle comprising a closed loop of cord having portions thereof loosely embracing opposed marginal portions near the opposite ends of said members, said handle being relaxable to permit limited separation of the said opposed marginal portions whereby to provide a space between the members for access to said recesses, said handle tending to draw the members together when the device is being carried.

2,408,250
CYCLONE DUST COLLECTOR
Joe Crites, Evanston, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application January 26, 1944, Serial No. 519,763
2 Claims. (Cl. 183—86)



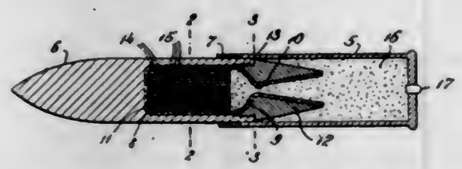
1. A cyclone separator comprising, in combination, a conical separator casing having a centrally arranged air discharge in its upper end, means including an inlet conduit for introducing dust laden air into the upper portion of the casing tangentially to the inner surface thereof to form a downwardly moving dust precipitating outer spiral of air and an upwardly moving inner concentric spiral of air being discharged, and means comprising a vertically disposed interceptor conduit arranged concentric to the separator casing and extending upwardly through the casing and said discharge to the exterior of the casing and provided at its lower end with an inverted hood of greater cross-sectional area than said conduit and positioned with its open lower end portion in close relation to the restricted lower end of the separator and said conduit communicating at its other end with the inlet end of the separator, a fan interposed in said interceptor conduit whereby dust suspended in said inner spiral of air at the lower portion of the separator is intercepted by said hood and directed through said interceptor conduit to the inlet conduit of the separator.

2,408,251
COMPOSITE ROOF
Thomas M. Dantz, Chicago, Ill., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application June 8, 1945, Serial No. 598,264
4 Claims. (Cl. 108—6.5)



1. A composite roof comprising a roof deck, a plurality of layers of bituminized roofing felt, a coating of bituminous substance on each felt layer, the coating on the top felt layer being thicker than the others and having gravel embedded therein, a layer of loose gravel overlying said graveled bituminous layer, and a surfacing of wear-resistant material applied over the layer of loose gravel.

2,408,252
AMMUNITION
Carl de Ganahl, Trenton, N. J., assignor, by mesne assignments, to Kaiser Cargo, Inc., Bristol, Pa., a corporation of California
Application December 23, 1942, Serial No. 469,871
8 Claims. (Cl. 102—49)



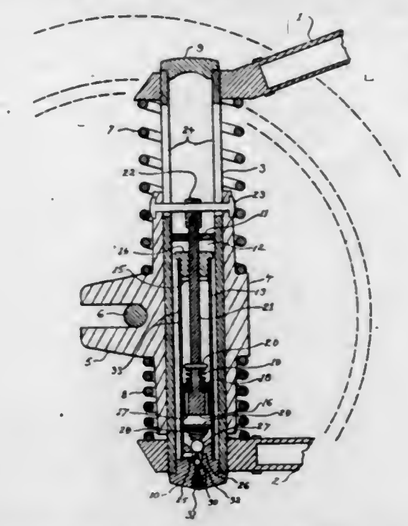
1. In a projectile, a chamber having a restricted outlet passage communicating therewith, a charge of combustible material including explosive and a non-explosive carbonaceous filler in the chamber, and auxiliary material comprising an oxide of a metal of the eleventh series of the periodic system of elements associated with the combustible material and adapted to increase the mass of the combustion gases ejected through the passage when the combustible material is ignited.

2,408,253
GUARD OR PROTECTOR FOR ELECTRIC CABLES
Barney A. Diebold, Irvington, N. J.
Application August 27, 1943, Serial No. 500,221
1 Claim. (Cl. 174—136)



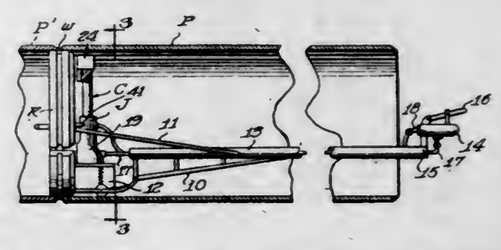
A guard for electric cables and the like comprising, a lengthy C-shaped resilient, plastic-material sleeve having its walls spaced apart at their edges for a distance less than the diameter of an electric cable to be accommodated within the sleeve whereby said walls must be sprung apart to enable the sleeve to be fitted around the electric cable and the springiness of said walls will cause them to fit the sleeve sungly around the cable, a similarly shaped sleeve fitted over the outside of the first sleeve, the second sleeve being fitted on the outside of the first sleeve after the first sleeve has been fitted around the cable, the outer sleeve having its split portion located diametrically opposite to that of the first sleeve when the outer sleeve is fitted over the same, the first sleeve having a rib extending longitudinally for its length and projecting radially from its outer surface and disposed between the sides of the outer sleeve to thereby prevent rotative movement of the outer sleeve on the first sleeve.

2,408,254
SUSPENSION UNIT FOR VEHICLE WHEELS
Stephen du Pont, Wilbraham, Mass., assignor to Indian Motocycle Company, Springfield, Mass., a corporation of Massachusetts
Application April 19, 1944, Serial No. 531,754
1 Claim. (Cl. 267—8)



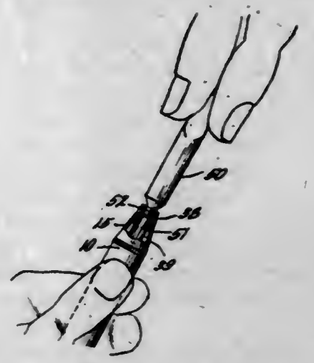
A suspension mounting for a vehicle wheel comprising in combination, upper and lower members of a vehicle frame, a hollow spindle fastened at its upper end to said upper frame member and at its lower end to said lower frame member, a slipper bracket comprising a sleeve portion having extensions above and below the mid section of said spindle and slidably mounted on the outside of said spindle, said slipper bracket having an integral fork portion midway between its upper and lower ends for carrying the axle of said wheel, a load carrying spring surrounding said spindle and the upper extension of said slipper bracket and having a bearing against said upper frame member, and a recoil spring surrounding said spindle and the lower extension of said slipper bracket and having a bearing against the lower frame member, said spindle having formed therein at its lower part a closed chamber containing liquid, a dash-pot piston and its cylinder mounted within said chamber with inlet and outlet ports for the interflow of liquid between said cylinder and chamber, a connecting rod extending from said piston to the upper part of said spindle, and a cross pin extended through a slot in the upper part of said spindle and united to the upper end of said connecting rod and to the upper end of said slipper bracket upper extension whereby said piston is moved up and down within its cylinder by movements of the wheel relative to the vehicle frame.

2,408,255
HYDRAULIC INTERNAL LINE-UP CLAMP
Bernard V. Elliott and Harold C. Price, Bartlesville, Okla., assignors to H. C. Price Company, Bartlesville, Okla.
Application September 13, 1944, Serial No. 553,948
5 Claims. (Cl. 113—103)



1. An internal line-up clamp comprising a support, a jack and a clamping ring carried by said support, said jack having an element thereof adapted to contact an inner surface of a pipe upon actuation of said jack, said jack being mounted inwardly of and adjacent said clamping ring, said ring comprising a stationary disc and a pair of movable plates carried by said disc, said disc having a pair of spaced cylinders secured thereto, a piston in each cylinder connected to a plate, and means for selectively actuating the jack and pistons.

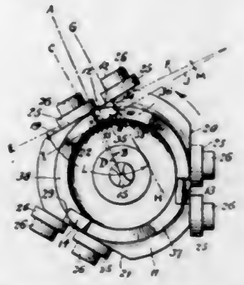
2,408,256
FILLING ARRANGEMENT FOR BALL-POINTED FOUNTAIN PENS
Irving Florman, New York, N. Y.
Application April 5, 1946, Serial No. 659,907
2 Claims. (Cl. 226—63)



1. In a filling arrangement for fountain pens of the ball-point stylus type using viscous writ-

ing fluid, each having a barrel containing a writing fluid reservoir and terminating in a convergent tapering end portion having a removable ball-point-carrying tip, said arrangement also including a writing fluid package; an axial, internally threaded, relatively small but non-capillary opening in the tapering end portion of the pen into which the ball-point-carrying tip is normally screwed, a radially projecting knurled flange on said tip whereby it may be manually removed from said opening when the reservoir is to be filled, and a nozzle on the package having an externally threaded portion adapted to be screwed into said tip-receiving opening, whereby the viscous writing fluid may be injected into the reservoir in the barrel of the pen without leakage.

2,408,257
ROTARY CUTTER
Andrew S. Fodor, South Norwalk, Conn.
Application February 1, 1944, Serial No. 520,641
13 Claims. (Cl. 77—69)



1. A rotary cutter having a head adapted to be fastened to a driving spindle to be rotated thereby; and a cutting member projecting beyond the end thereof and having an elongate shank mounted on the head to extend in a direction substantially parallel to the axis of rotation thereof, said head having a backing member projecting beyond the end thereof and engaging the back of the cutting member, one of said members nesting the other so that radial movement of the cutting member is restrained when the tool is cutting.

2,408,258
STABILIZED ACID SODIUM PYROPHOSPHATE AND PROCESS OF MAKING IT
Eugene N. Hetzel, St. Louis, Mo., and George E. Taylor, Anniston, Ala., assignors to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application February 6, 1943, Serial No. 475,042
15 Claims. (Cl. 23—106)

8. The process for producing stabilized sodium acid pyrophosphate which comprises drying a monosodium orthophosphate solution within a period of less than 12 seconds upon a drum dryer heated by saturated steam under at least 110 lbs. but preferably below 150 lbs. pressure to produce substantially dry NaH_2PO_4, converting said NaH_2PO_4 into sodium acid pyrophosphate by passing it through a rotary kiln countercurrent to a stream of air having an entering temperature of from 240° C. to 250° C. and containing water vapor at a partial pressure of from 100 to 140 mm. of mercury, discharging said sodium acid pyrophosphate while at a temperature of from 225° C. to 235° C. from said kiln into a heat-insulated container and then tempering said pyrophosphate by maintaining it, in an atmosphere containing water vapor at a partial pressure of from 100 mm. to 140 mm. of mercury, at a temperature of from 225 to 235° C. for a period of about 4 to 6 hours, said monosodium orthophosphate solution having a specific gravity of 1.55 to 1.65 at 90° C. and containing from 0.10% to 0.20% K_2O and from 0.025% to 0.075% Al_2O_4, basis NaH_2PO_4.

14. Stabilized sodium acid pyrophosphate produced by the method defined in claim 8, said pyrophosphate when incorporated into a leavening composition, exhibiting when freshly prepared a reaction rate of about 28% of the contained carbon dioxide and said reaction rate increasing not more than 4% when stored for 6 months.

15. Stabilized sodium acid pyrophosphate produced by the method defined in claim 8, said pyrophosphate having a "temperature coefficient" of from 2.95 to 3.51 when reacted with sodium carbonate in a dough mixture.

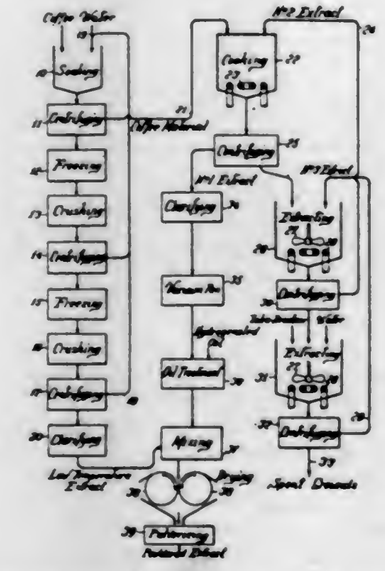
2,408,259
VAT DYESTUFFS AND PROCESS OF MAKING SAME
Theodor Holbro, Basel, Walter Kern, Sissach, and Paul Sutter, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application February 4, 1943, Serial No. 474,728. In Switzerland January 8, 1942
13 Claims. (Cl. 260—303)

1. A vat dyestuff of the formula

$$R_2—NH—CO—R_1—CO—NH—R_2$$

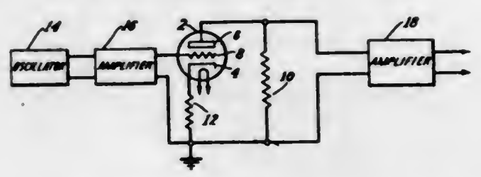
wherein R_1 stands for the radical of a compound selected from the group consisting of 1:9,5:10-anthradithiazole and 1:9,5:10-anthradipyrazole, the respective —CO— groups being severally attached to the two terminal benzene rings of the radical R_1, and each R_2 stands for the same radical of a vattable compound of the anthraquinone series.

2,408,260
PROCESS FOR MAKING COFFEE EXTRACTS
John L. Kellogg, Chicago, Ill., assignor to John L. Kellogg & Co., Chicago, Ill., a corporation of Illinois
Application September 21, 1942, Serial No. 459,104
9 Claims. (Cl. 99—71)



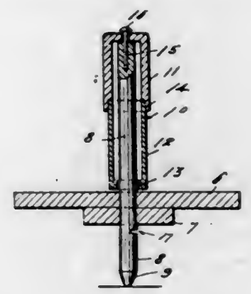
1. Improvement in the process of making coffee extracts which comprises: subjecting roasted and ground coffee to a soaking operation in cold water; drawing off the liquid and subjecting the same to repeated freezing and separating operations, giving a low temperature concentrated extract; subjecting the coffee material to a boiling operation; drawing off the extract from the boiling operation; concentrating the same in a vacuum pan; mixing this high temperature extract with the low temperature extract from the freezing operations; subjecting the coffee material from the cooking operation to a series of extracting operations in counter-current with each other and with said cooking operation in which the more concentrated extract is introduced into the cooking operation; and subjecting the mixture of concentrated high temperature and low temperature extracts to a quick drying operation.

2,408,261
PULSE GENERATOR
Louis L. Lakatos, Bela-Cynwyd, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 21, 1944, Serial No. 519,100
8 Claims. (Cl. 178—44)



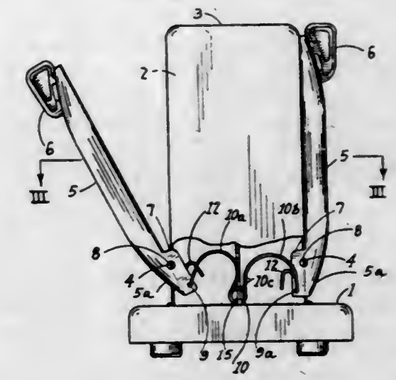
4. A pulse generator comprising an electron tube having a cathode and at least two other electrodes so connected to said cathode externally of said tube as to be substantially at contact potential with respect thereto, one of said other electrodes being located between said cathode and a second of said other electrodes, connections for impressing a periodically varying signal between one of said electrodes and said cathode, and a utilization circuit connecting the other of said electrodes to said cathode externally of said tube.

2,408,262
TOP
Sidney L. Long, Minneapolis, Minn.
Application January 17, 1945, Serial No. 573,208
1 Claim. (Cl. 46—71)



A spinning top having a disk-like body, a spindle extending through the body at the center thereof and rigidly secured thereto at its intermediate portion, said spindle, at its lower end, terminating in a bearing point, a long tubular handle having an upper closed end and a lower open end completely encasing the upper section of the spindle, said spindle extending loosely through the open lower end of the handle, said handle, at its upper end, being supported on the upper end of the spindle with its lower end out of contact with the body, and a stud on the upper end of the spindle and extending loosely through a hole in the outer end of the handle at the center thereof, said stud being of a smaller diameter than that of the spindle and having a head holding the handle on the spindle and spaced from the upper end of the spindle to permit relative axial movement of the spindle and the handle without coming in contact with the body of the top, said ends of the handle affording bearings for the spindle and the stud and holding the handle spaced outwardly of the spindle, spinning movement being imparted to the top by winding a cord on the lower section of the spindle and pulling the same therefrom while holding the top by its handle.

2,408,263
TOASTER
Vito Mazzarisi, Clifton, N. J.
Application June 24, 1946, Serial No. 678,777
9 Claims. (Cl. 99—395)

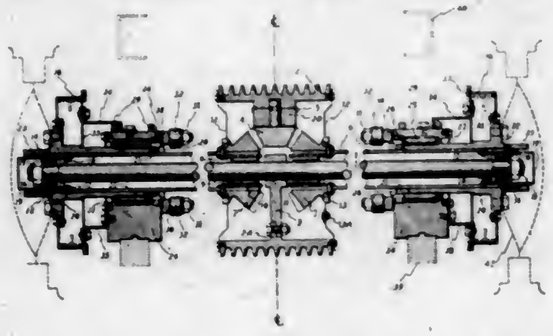


1. In toasters of the type having at least one slice-reversing door pivotable intermediate its ends, the improvement which comprises, in combination with at least one such door of such toaster, spring means having at least one arm laterally deflectable against spring resistance secured to said door at a securing point positioned, with the door closed, below the axis of pivot of said door, said arm substantially extending at said securing point with an arm directional spring thrust and in a downwardly direction at an angle of less than 90° to the vertical on said axis through said securing point, said arm being mounted for substantially arm directional lifting against spring resistance and for substantially lateral deflection against spring resistance throughout at least part of the arc of travel of said securing point around said axis when opening said door.

2,408,264
DRIVING AXLE FOR MOTOR VEHICLES
Fred B. McClure, Moundsville, W. Va., assignor of one-fourth to W. L. Stroup, Moundsville, W. Va.
Application December 10, 1943, Serial No. 513,692
5 Claims. (Cl. 180—71)

5. In a driving axle assembly, floating journal boxes disposed near each end of said axle assembly, driving tubes of said axle assembly, sleeves provided with hubs secured on said driving tubes, said journal boxes containing antifriction bearings whereby the boxes are journaled on said sleeves, and means for retaining same, each said journal box having a pair of radius rods, disposed one above the other, pivotally attached and extending forwardly to

similar pivotal attachment to the vehicle frame, a vehicle spring seated against and secured to each journal box, and, a circular plate having a central opening for the free passage of a hub sleeve aforesaid and vertically disposed between the outer side of said journal box and the outer end of said sleeved hub, said plate being rigidly attached to each journal box by means of angular brackets, said floating journal boxes providing for connections between the axle and the vehicle frame, said radius rods serving to



transmit forces between the axle and the vehicle frame and to prevent rotation of the said journal boxes, said vehicle springs serving to support and spring the imposed load, and said vertically disposed circular plates providing fixed bases for the brake mechanism.

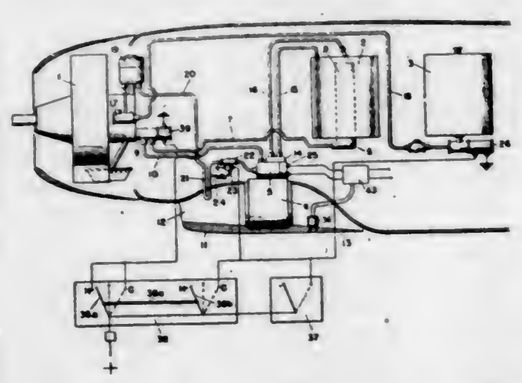
2,408,265

AUTOMATIC DILUTION SYSTEM

Leslie T. Miller, Stoneleigh, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Application October 3, 1942, Serial No. 460,642

5 Claims. (Cl. 123—196)



1. In a lubricating system for an engine, a reservoir for lubricant having a warm-up compartment, a supply conduit for conducting lubricant from said reservoir to said engine, an oil cooler, a normal return conduit through said oil cooler to the main section of said reservoir, a secondary return conduit to said warm-up compartment, valve means to direct flow of lubricant through either said normal or secondary return conduits, said valve means being operated by a thermal responsive element which is responsive to the temperature of the lubricant, means to introduce diluent into the lubricant flowing toward said thermal responsive element to decrease the temperature of the lubricant adjacent the thermal responsive element to move the valve to direct the flow of lubricant through the secondary return conduit during the introduction of diluent.

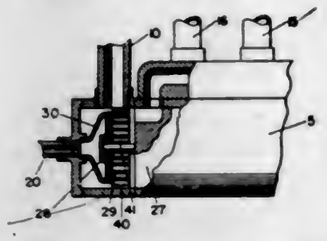
2,408,266

AUTOMATIC DILUTION SYSTEM CONTROL VALVE

Leslie T. Miller, Stoneleigh, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Original application October 3, 1942, Serial No. 460,642. Divided and this application January 15, 1944, Serial No. 518,368

3 Claims. (Cl. 123—196)



1. In combination, a valve housing having a fluid inlet and a plurality of fluid outlets, a valve having a thermal responsive element located in the flow path of the fluid to actuate said valve in said housing to direct fluid flow from the inlet to one of the outlets, depending upon the heat content of the fluid, means to introduce a second fluid adjacent said thermal responsive element whereby said valve is moved to a position to direct the flow of said first fluid, in accordance with the resulting temperature of the mixture of said first and said second fluids.

2,408,267

SETSCREW

George A. Moore, Medford, Mass.; George A. Moore, Jr., Harrington Moore, and Lawrence Moore, executors of said George A. Moore, deceased

Application August 17, 1944, Serial No. 549,849

2 Claims. (Cl. 85—1)



1. A headless, cup-pointed set-screw having a bore extending therethrough from end to end, said bore having a relatively short cylindrical portion extending in from the cup-pointed end of the screw and a relatively long portion of larger diameter and of polygonal shape extending in from the opposite end of the screw.

2,408,268

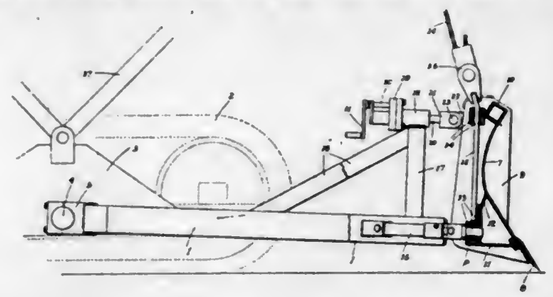
ADJUSTABLE PUSH GRADER

Oscar Raymond Peterson, Peoria, and Loiell L. Hyler, Washington, Ill., assignors to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California

Application July 25, 1942, Serial No. 452,254

3 Claims. (Cl. 37—144)

1. In a push grader, a pair of transversely spaced push beams, a transverse grader blade unit ahead of and pivoted to said push beams for tilting movement lengthwise of the direction of travel, means between the blade unit and push beams to control transverse tilting of said unit, and a blade unit lifting link disposed centrally of the ends of the blade unit and pivoted thereto at the back and adjacent its lower edge for transverse swinging movement, said link extending upward to a point above the blade unit and being



adapted at its upper end for connection with a lifting cable.

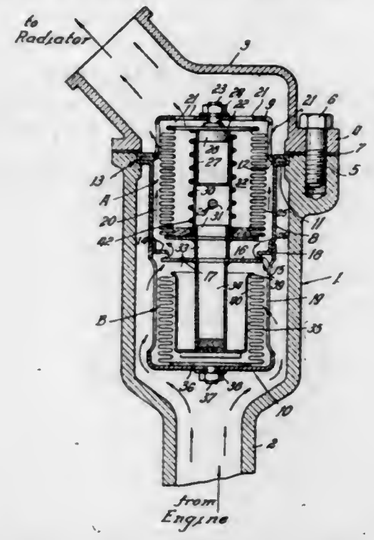
2,408,269

THERMOSTATIC CONTROLLER FOR WATER TEMPERATURE

William R. Peterson, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York

Application September 1, 1942, Serial No. 456,881

2 Claims. (Cl. 236—34)



1. In an engine cooling system, means for controlling the flow of water through a conduit leading from the engine to a radiator, comprising a valve-seat fixedly mounted in the conduit, a valve-plate movable from below to and from the seat to close or open the valve, an expansible bellows thermostat mounted in the conduit above the valve seat and attached to the upper side of the movable valve-plate, a thermostatic fluid in the bellows responsive to temperature changes in the water, a thermostatic fluid-containing receptacle projecting downwardly from the plate and connected through the plate with the thermostatic bellows so that the bellows thermostat will respond to temperature changes at both sides of the valve, and a second closed bellows member fixed at its lower end and secured to the lower face of the plate and having an end portion of the same effective area exposed to the water pressure as the lower face of the plate, thus balancing the water pressures tending to raise the plate, and the said bellows thermostat having an end, the effective area of which exposed to the water pressure is substantially equal to the area of the top surface of the valve exposed to the water pressure, whereby the valve is substantially balanced against the water pressure.

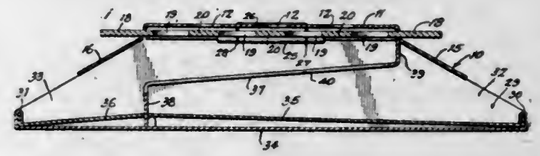
2,408,270

GAME

Elmer F. Rebholz, Chicago, Ill., assignor to James F. Barnes, as trustee

Application January 13, 1943, Serial No. 472,211

3 Claims. (Cl. 273—130)



3. A game device of the character described comprising a casing having a pair of superposed, relatively movable plates spaced a slight distance apart, each of said plates being provided with a plurality of rows of spaced-apart aligned apertures through which game members of two different sizes may be passed, elastic means for normally maintaining one of said plates in such a position with respect to the other plate that the apertures in said plates are out of alignment with respect to each other so that game members received by the apertures in the upper plate are supported by the lower plate, said one plate being movable to a position where the apertures in said plates are in alignment and the game members drop through said apertures, and means within the casing for separating the game members of different sizes and delivering the members of one size at one side of the casing and delivering the members of the other size at the other side of the casing.

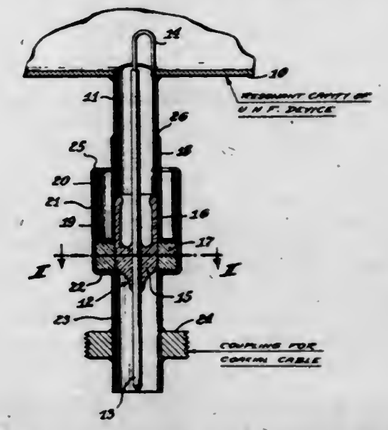
2,408,271

COAXIAL TERMINAL ASSEMBLY

William W. Rigrod, Bloomfield, and David Gordon Clifford, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

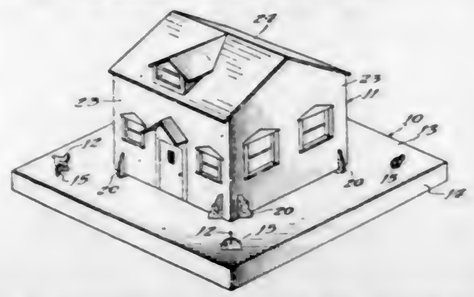
Application August 12, 1942, Serial No. 454,615

7 Claims. (Cl. 178—44)



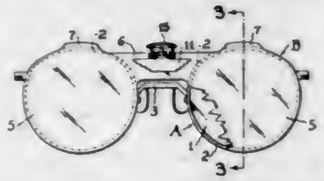
1. A coaxial terminal assembly comprising a dielectric means, tubular coaxial line portions approaching the dielectric means at opposite ends, a central rod through the dielectric means axially disposed with respect to both said coaxial line portions, said dielectric means having one part thereof sealing one of the coaxial line portions and having a part of greater diameter than said one part, and conductive means overlying said dielectric means and connecting said tubular coaxial line portions, said dielectric means with said overlying conductive means and portion of rod therein having a surge impedance substantially equal to the surge impedance of the coaxial line portion adjacent said dielectric means.

2,408,272
STRUCTURAL TOY
Earl M. Roach, Chicago, Ill., assignor to Arvey Corporation, Chicago, Ill., a corporation of Illinois
Application March 5, 1945, Serial No. 580,997
5 Claims. (Cl. 46—30)



1. In a structural toy, a sheet material base panel and a sheet material toy component comprising two faces in side-edgewise meeting angular relationship to each other constructed and arranged to be supported in upright position on said panel, said toy element faces being each formed with a slot opening to their lower marginal edges adjacent their convergent side edges and said base panel comprising a tab in hinged engagement therewith and elevatable from the plane thereof for projection within an adjacent pair of said slots at an oblique intersecting angle to said faces.

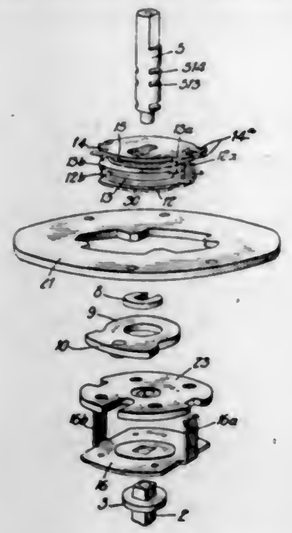
2,408,273
SUNSHADE AND OTHER AUXILIARY SPECTACLES
Robert H. Sager, University Heights, Ohio
Application January 5, 1944, Serial No. 517,014
10 Claims. (Cl. 88—41)



1. In a device of the character described, a pair of lenses, a bridge connecting said lenses, said bridge having a recess in its upper edge, said recess having side walls, a shaft disposed in said recess and retained against axial displacement by said side walls, and clamping means pivotally mounted on said shaft, said clamping means adapted for securing said device to a pair of primary spectacles.

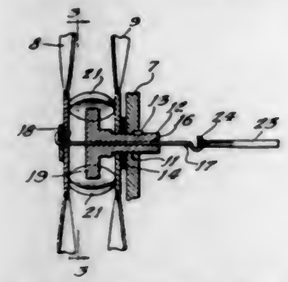
2,408,274
SPRING MOUNTING AND ASSEMBLY FOR SNAP-ACTION ELECTRIC SWITCHES
Harold E. Schleicher, West Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application April 12, 1943, Serial No. 482,750
10 Claims. (Cl. 74—84)

1. In an electric snap switch, a rotary driven element comprising a plate with parallel diametrically opposite arms extending parallel to the axis of rotation of said plate, driving means separately rotatable about said plate axis and comprising a spindle, a pair of spiralled springs wound around the spindle, a plate rotating with the spindle and having parallel diametrically opposed arms, the ends of one spring being extended radially to engage opposite sides of one driving and one driven arm, the ends of the other



spring being radially extended to engage opposite sides of the other driving and the other driven arms.

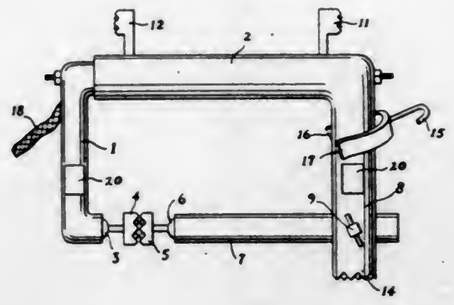
2,408,275
TOY FLYING MACHINE
Harvey E. Shaeffer, Chicago, Ill., assignor to Arvey Corporation, Chicago, Ill., a corporation of Illinois
Application February 19, 1945, Serial No. 578,581
1 Claim. (Cl. 46—78)



In a toy flying machine, a fuselage, an idler wheel mounting secured to said fuselage, a plurality of friction idler wheels journaled upon and having their axes radially disposed about the axis of said idler wheel mounting, a driving shaft journaled in said idler wheel mounting, a front propeller secured on the outer end of said driving shaft for driving engagement with said friction idler wheels, a rear propeller journaled on said idler wheel mounting to be driven in a reverse direction by said friction idler wheels, and a resilient band having its one end secured to the inner end of said driving shaft and its other end secured to said fuselage, said resilient band serving to rotate the driving shaft and to draw the latter rearwardly to maintain the front and rear propellers in operative frictional driving engagement against diametrically opposed sides of said friction idler wheels.

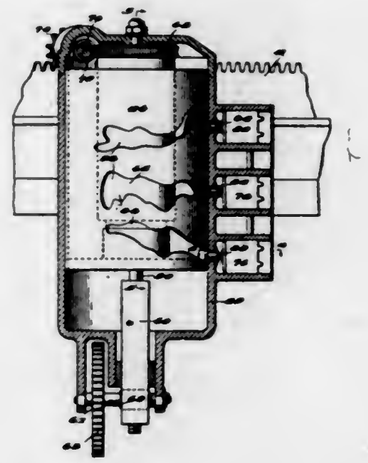
2,408,276
ELECTRICAL GROUND CLAMP
Chalmon John Shrader, Henrico County, Va.
Application March 31, 1943, Serial No. 481,367
3 Claims. (Cl. 173—273)

1. In an electrical connector, a tubular member having a slot through its side wall longitudinally of said member, a hollow elongated member, a contact mounted on said member and extending through said slot, a tension spring within said hollow member having its ends secured to said members slidably fitting within said tubular member, each of said members having an arm rigidly extending laterally from the free end



thereof, a first gripping element mounted upon the free end of one arm, a rod connected with the free end of the other arm for adjustment toward and from said element, means for securing said rod and its arm in adjusted position, and a second gripping element mounted upon the end of said rod adjacent said first element.

2,408,277
GUN CONTROL DEVICE
John E. Soenke, Baltimore, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application August 19, 1941, Serial No. 407,395
8 Claims. (Cl. 89—27)



1. In a device of the class described including a turret; guns mounted to turn about a first axis in said turret which is mounted to turn about a second axis, an electric firing control circuit for said guns, motor means and an electric circuit control means therefor to move said guns about said axes, a housing, an apertured drum mounted in said housing for turning and sliding movement therein, means for sliding said drum along its axis in said housing in accordance with movements of the guns about said first axis and for turning said drum in said housing in accordance with movements of the turret about said second axis, said drum having a plurality of cut-out portions in the surface thereof, a plurality of switches mounted on the housing corresponding to the number of cut-out portions, switch actuating means extending through said housing and normally engaging the surface of said drum, said switch actuating means arranged to operate said switches when said switch actuating means register with said cut-out portions, one of said switches connected to control the firing circuits of each gun and one of said switches and cut-out portions constructed and arranged to actuate the motor control circuit of the elevating motor to raise the guns whenever the switch registers with said cut-out portion.

2,408,278
PROCESS OF METAL RECOVERY
Philip T. Stroup and Charles B. Willmore, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 30, 1945, Serial No. 585,816
6 Claims. (Cl. 75—67)

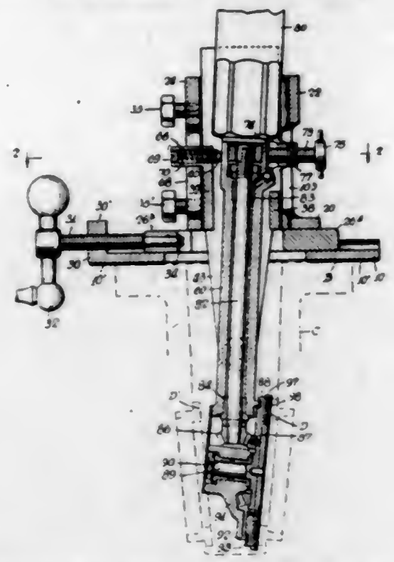
1. In a process of metal recovery in which a gas-vapor mixture containing carbon monoxide and a vapor of a metal miscible with molten aluminum is contacted with a molten aluminum body and vapor of said miscible metal absorbed in said body, the improvement consisting in providing said aluminum body with a content of beryllium and manganese, the amount of said beryllium being about 0.005 to 0.5 per cent by weight of said body and the amount of said manganese being about 0.1 to 1 per cent by weight of said body.

2,408,279
CLASP FOR WATCH BRACELETS OR THE LIKE
Louis E. Valcourt, East Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application January 3, 1944, Serial No. 516,765
8 Claims. (Cl. 24—71)



4. A clasp or connector for wrist-watch bracelets comprising a base member, an intermediate member and a cover member, said members being hingedly connected to adapt them to be folded into overlying nested relationship, an extension member slidable in the base member, resilient means for contracting the extension member within the base member while permitting it to be extended therefrom, a latching ledge on the cover member, a latching element slidable in the base member and provided with means engageable with the latching ledge to lock the foldable members in closed relationship, means on the extension member engageable with the latching element when said extension member is contracted into the base member to move the latching element in one direction to engage it with the latching ledge and means on the extension member for engaging the latching element when said extension member is extended from the base member to move said latching element in the opposite direction to release said latching element from the ledge to unlock the clasp members to permit them to be unfolded.

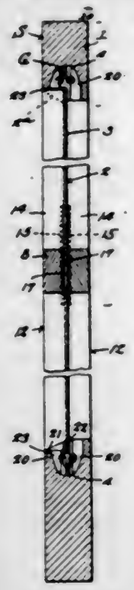
2,408,280
APPARATUS FOR REFACING GATE VALVES
Philip E. Wilcox, New York, N. Y., assignor to The Leavitt Machine Company, Orange, Mass., a corporation of Massachusetts
Application December 1, 1944, Serial No. 566,167
11 Claims. (Cl. 51—241)



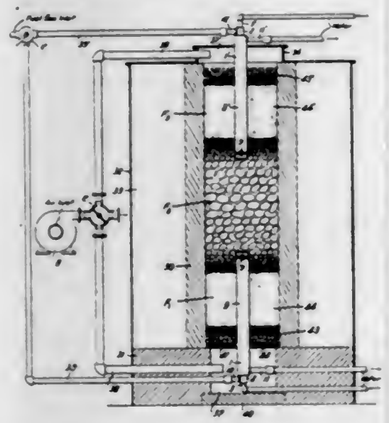
1. Mechanism for facing off the inclined seats of a gate valve without requiring the removal of the valve, said mechanism comprising a bedplate having an opening therethrough and adapted to be seated on the upper face of the open valve casing, a main frame and means for mounting it on and for sliding adjustment relatively to the bedplate, said means comprising a guideway on the bedplate and a slide frame received therewithin, means for mounting the main frame on the slide frame for adjustment therealong, a hanger supported by and for vertical adjustment relatively to the main frame said hanger extending below the bedplate into adjacency to the valve seats when the bedplate is seated on the valve casing and a cutter carrying member pivoted to the lower end of said hanger for angular adjustment about a horizontal axis located below the bedplate and adjacent the valve seats to bring the cutter into parallelism with the valve seat to be faced off, said cutter carrying member extending above the base plate and means above the base plate for angularly adjusting the cutter carrying member, said means for mounting the main frame on the slide frame comprising interengaging elements spaced 180° apart in a horizontal plane, for locating the main frame on the slide frame so that the main frame can be lifted vertically from the slide frame to disengage said elements, said elements being duplications of each other whereby when the main frame is lifted from off the slide frame and turned 180° about a vertical axis it can be reseated upon the slide frame with the cutter in parallelism to the other valve seat.

2,408,281
WINDOW SASH
James Gerow Wilkin, New Hurley, N. Y.
Application June 14, 1944, Serial No. 540,352
4 Claims. (Cl. 20—56.3)

1. A window sash comprising a frame, a pane carried by the frame, said frame having cut-out portions formed in the inner edges thereof, providing seats, a mullion including rails, fingers formed at the ends of the rails and adapted to be fitted within the seats, and members mounted within the seats adapted to grip the fingers positioned within the seats, holding the fingers and mullion against displacement.

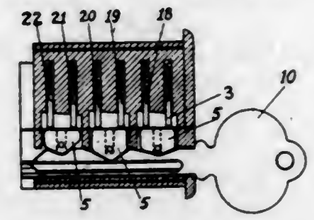


2,408,282
FUEL DISTRIBUTION SYSTEM FOR HIGH-TEMPERATURE PEBBLE BED FURNACES
Frank M. Wolf, Madison, Wis., assignor to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
Application July 11, 1944, Serial No. 544,446
6 Claims. (Cl. 23—277)



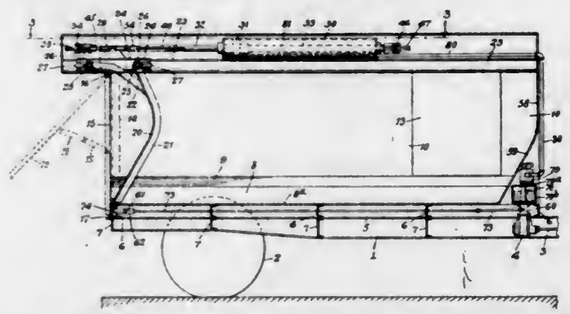
1. A furnace of the "pebble bed" type comprising a tubular shaft, a supporting grating, a stratified series of transverse beds of refractory filling, said series including a centrally disposed bed of relatively large refractory objects and beds immediately above and below the said centrally disposed bed of relatively small refractory objects, said shaft and filling being so constructed and arranged as to provide open spaces above said filling and below said grate, reversible means for alternately directing gases to traverse said shaft into said spaces, reversible means arranged to alternately feed fluid fuel to the top and bottom of said centrally disposed bed, and fuel feeding means in said furnace comprising a fuel conduit extending from one of said open spaces to said central bed, a plurality of laterally extending nozzles communicating with said tubular conduit, a fluid coolant jacket surrounding said fuel conduit, and outlet means for said coolant arranged for extension to the exterior of the furnace.

2,408,283
LOCK
Morey E. Wollin, Brookline, Mass.
Application December 27, 1944, Serial No. 569,981
7 Claims. (Cl. 70—419)



1. In a lock of the type described, a barrel, a core fitted to turn in the barrel, said barrel having a plurality of freely movable pins engaging said core, said core being slotted longitudinally thereof, for engagement of said pins, plate elements positioned in the slots of said core and abutting on one end, the ends of said pins, the other end of said plate elements positioned in a keyway in said core and adapted to be engaged by the key entering the lock.

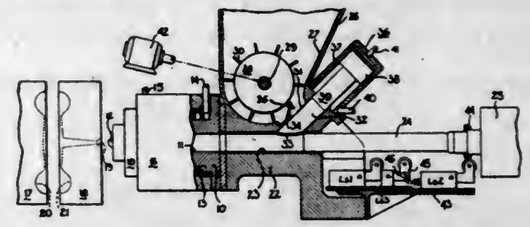
2,408,284
REFUSE BODY
William C. Anthony, Streator, Ill., assignor to Anthony Company, Streator, Ill., a corporation of Illinois
Application December 16, 1944, Serial No. 568,534
22 Claims. (Cl. 214—67)



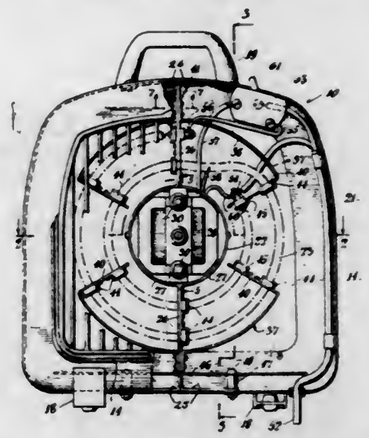
1. In combination in a refuse body, means defining a refuse receiving container, said container being closed except along a restricted longitudinally disposed area at its top and at its rear, unitary means for packing material in said body and for discharging it therefrom, said means including a blade whose area and shape are substantially those of the cross section of the interior of said body and means for wholly supporting and for moving said blade back and forth within the body throughout substantially the entire length thereof, said means being located wholly outside of the body.

2,408,285
FEEDING DEVICE FOR INJECTION OR EXTRUSION MACHINES
Bernard D. Ashbaugh, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del., a corporation of Delaware
Application July 15, 1943, Serial No. 494,765
5 Claims. (Cl. 18—30)

1. In an injection molding device for feeding flock material, a feed hopper for receiving flock material, said hopper having a rounded base portion and an opening adjacent said base portion, an auxiliary feed means including a chamber positioned tangentially to said rounded base portion and communicating with said hopper through said opening, feed wheel means positioned in the bottom of said hopper and having vane means extending closely adjacent to said rounded base portion and adjacent the opening, means for rotating said feed wheel means, a scraper adjacent said opening positioned to remove material from said feed wheel and deposit the same in said opening, piston means reciprocating in said auxiliary feed chamber, means for operating said piston, said chamber having an exit opening communicating with the injection molding device, said piston being reciprocable in said chamber on a line substantially tangent to said rounded base portion.



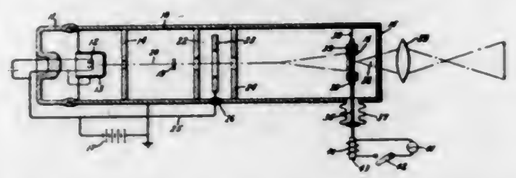
2,408,286
COMBINED ELECTRIC HEATER AND AIR CIRCULATOR
John M. Aufiero, Plandome, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application December 14, 1945, Serial No. 635,060
7 Claims. (Cl. 219—39)



1. A combination electric fan and heater, comprising a casing having mating front and rear sections disposed in edge to edge relationship substantially centrally of the casing, each of said casing sections having an enlarged wall opening; grille means including relatively closely spaced elements secured to said casing sections over said openings to permit air flow through the casing while guarding against the introduction of foreign objects thereinto; a motor and heat coil support structure extending transversely within said casing and having end members extending from one to the other of said mating casing sections and secured thereto to unite said sections; a motor and therewith associated fan supported by said structure; a plurality of rigid arcuate elements fixed to said support structure and defining an interrupted circle substantially concentric with the motor, said arcuate elements having branches extending radially; a plurality of axially extending blocks of insulation material fixed to said branches; and a heat coil supported in said blocks and arranged in a substantially helical course intermediate said support structure and said fan; said support structure being so dis-

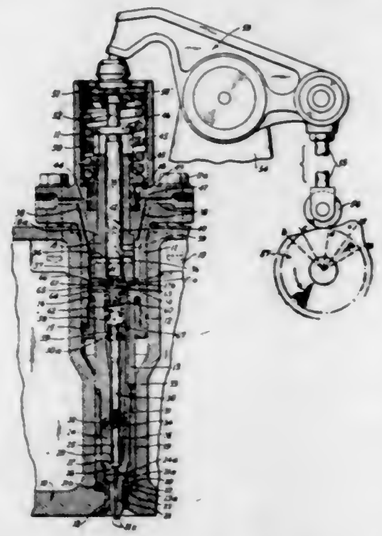
posed within said casing as to locate the center of gravity of the motor and heat coil assembly in substantially the vertical center plate of the casing.

2,408,287
ELECTRON MICROSCOPE
Charles H. Bachman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 1, 1944, Serial No. 520,610
5 Claims. (Cl. 250—49.5)



3. An electron microscope system comprising an evacuated container having a transparent wall, a fluorescent screen supported within said container in front of said wall, means for projecting an electron beam upon said screen, means for supporting an object to be examined in the path of said beam whereby said beam produces an enlarged image of said object upon said screen, means external of said container for producing optical enlargement of the image on said screen, and means for vibrating said screen in a plane substantially transverse to said beam to reduce blurring of said enlarged image due to non-uniform distribution of fluorescent particles on said screen.

2,408,288
FUEL INJECTION APPARATUS
Albert T. Bremser, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application November 13, 1942, Serial No. 465,448
17 Claims. (Cl. 103—41)

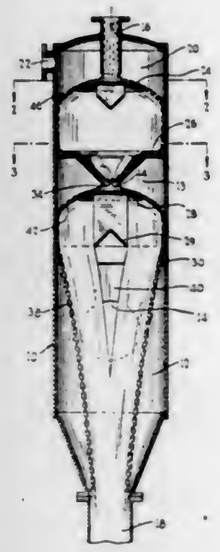


1. In fuel injection apparatus of the class described, pump means comprising a casing, a cylinder in said casing and a reciprocating plunger in said cylinder, said cylinder having port means controlled by said plunger and connecting the interior of the cylinder with an annular space between said casing and cylinder, said space having an inlet and an outlet independent of said ports whereby fuel may be circulated therethrough irrespective of the position of said plunger and said space being the sole connection between said inlet and outlet when said port means are closed by the plunger.

2,408,289
BARBITURIC ACID COMPOSITIONS
Milton T. Bush, Nashville, Tenn., assignor to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Application July 17, 1942, Serial No. 451,311
4 Claims. (Cl. 167—52)

1. A hypnotic composition for intramuscular injection comprising a solution of a barbituric acid in paraldehyde.

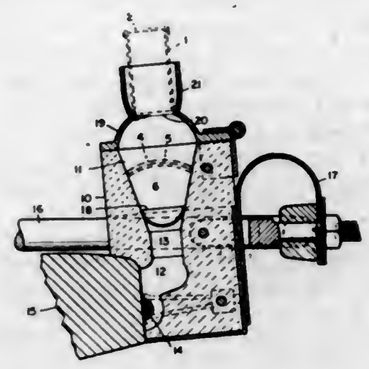
2,408,290
COUNTERCURRENT CONDENSER
Henry E. Byer, Bernardsville, N. J.
Application November 24, 1943, Serial No. 511,534
6 Claims. (Cl. 261—111)



1. In a counter-current condenser, a leader for conducting water inwardly from the walls of the condenser and discharging it in a substantially unbroken stream at the center of a condenser which comprises an annular substantially horizontal ledge contacting with the walls of the condenser and adapted to turn the water inward, a plurality of spaced fingers extending inwardly and downwardly from said annular ledge and terminating in a substantially circular opening near the center of the condenser, with the spaces between said fingers being larger where the fingers meet said annular wall.

2,408,291
WELDING MATERIAL AND PROCESS
Charles A. Cadwell, Cleveland, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio
Application February 3, 1944, Serial No. 520,896
14 Claims. (Cl. 75—27)

14. In a method of producing highly heated molten metal for use in welding, the steps which comprise inducing an exothermic reaction between copper oxide and aluminum, the amount of such aluminum being insufficient to reduce all such oxide, and including an agent taken from the group consisting of manganese, manganese boride, silicon, silicon carbide and zirconium, the amount of such agent being slightly in excess of that required to complete such reduction.



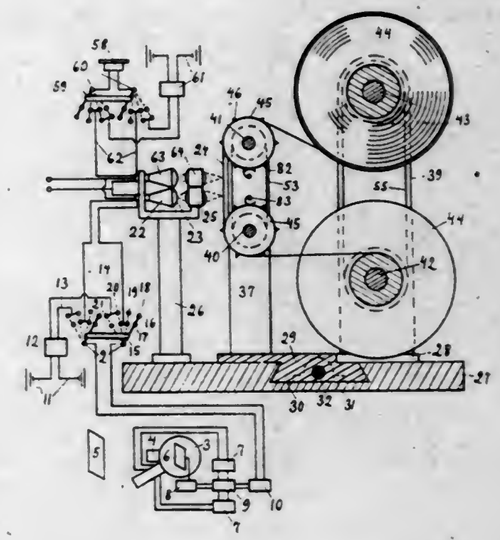
2,408,292
ROOFING
Victor Anthony Cardarelli, Sr., Boston, Mass.
Application April 18, 1945, Serial No. 589,062
2 Claims. (Cl. 108—13)



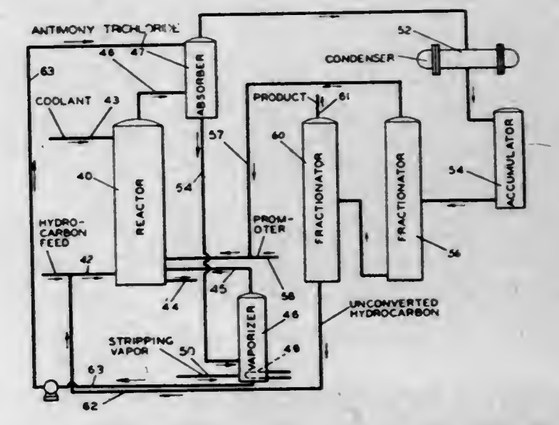
1. A roofing plate having spaced rounded fastener-receiving nodes extended upwardly from points adjacent to one edge thereof, a solid fastener-receiving material filling said nodes, and spaced rounded fastener-receiving nodes extended upwardly from the plate at points adjacent to the opposite edge thereof, the last-named nodes being proportioned and positioned to receive nodes corresponding with the first-named nodes when two plates of like construction are assembled.

2,408,293
TELEVISION SYSTEM
Alan M. Carmel, Forest Hills, N. Y.
Application October 14, 1944, Serial No. 558,630
2 Claims. (Cl. 242—55)

2. A device for use in a television method comprising the recording of television signals, said device comprising a film sufficiently broad for several rows of signals, a drum having a cylindrical surface contacted by one side of said film, a plurality of conductors carried by said drum on said contacted surface, a conductive layer carried by said film on said contacting side and extending over a portion of the length of said film, said layer having two different parts connecting temporarily some of said conductors, one of said parts connecting conductors which are not connected by the other part, means to rotate said drum and to move said film in contact with said drum, means to brake said movement, means to shift said film across the moving direction, means to reverse said moving direction, electrical circuits controlling said braking means and comprising some of said conductors, and electric circuits controlling said shifting and reversing and comprising others of said conductors.

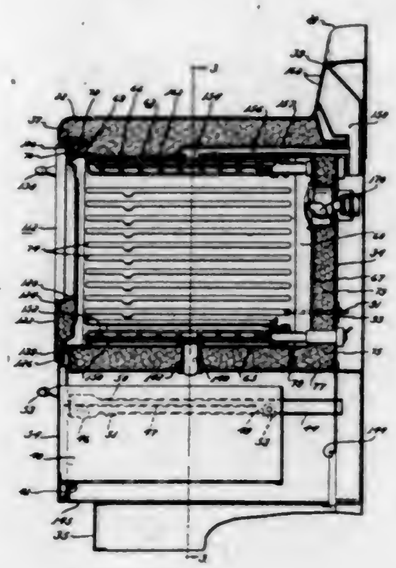


2,408,294
CATALYTIC CONVERSION OF HYDROCARBONS
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 13, 1943, Serial No. 510,179
9 Claims. (Cl. 260—683.5)



1. A process for the conversion of hydrocarbons in a reaction catalyzed by aluminum chloride which comprises contacting the hydrocarbon with aluminum chloride in a reaction zone under conditions such that the desired reaction is effected, passing vaporous effluent from the reaction zone containing hydrocarbon vapors and aluminum chloride vapors into contact with liquid antimony trichloride effecting separation of aluminum chloride vapors from the hydrocarbon vapors by solution in liquid antimony trichloride, subsequently liberating aluminum chloride vapors from liquid antimony trichloride, and returning the aluminum chloride to the reaction zone as catalyst.

2,408,295
RANGE APPARATUS
Hursle E. Cossin, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application August 10, 1942, Serial No. 454,261
1 Claim. (Cl. 219—35)



In a range having an inner and an outer casing with heat insulation therebetween, said inner casing having side, top and bottom walls for forming an oven chamber, said inner casing forming an access opening to said chamber, a movable door for closing said opening, sealing means for sealing said door to said casings about said access opening, said oven bottom wall having an air intake passage disposed centrally thereof, an electrical heating element positioned over said passage and supported adjacent the bottom wall of said oven, a baffle positioned directly over said heating element and sloping upwardly toward the side walls of the oven chamber, said heating element and baffle being centered over said inlet passage so that a distribution of heated air is directed toward and upwardly along the face of said door and side walls, said oven top wall being provided with a vent outlet disposed in the central area thereof and a horizontally disposed heating element suspended from said oven top wall and coextensive with the major portion of the central area of the top wall.

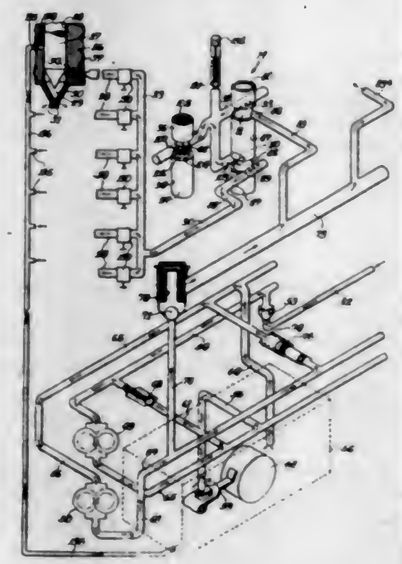
2,408,296
PROCESS OF RECLAIMING RUBBER
Frank Harriss Cotton, East Barnet, and Percy Albert Gibbons, London, England; said Gibbons assignor to said Cotton
No Drawing. Application August 13, 1943, Serial No. 498,576. In Great Britain July 3, 1942
8 Claims. (Cl. 260—720)

1. A process of reclaiming rubber from vulcanized rubber scrap, which comprises subjecting a quantity of pieces of scrap material in substantially dry form to intense mechanical action in a heated internal mixer, in the presence of oxygen amounting to a fraction of one per cent by weight of the scrap material, for a period of from about ten minutes to about thirty minutes until the temperature of the mass rises, as a result of such action, to a peak of between about 190° C. to about 250° C.; discharging the rubber; and quenching the same at about the same moment to cool and protect it against rapid oxidation.

2,408,297
BITUMINOUS COMPOSITIONS
Richard H. Cubberley, Ridgewood, and Frank W. Yeager, Englewood, N. J., assignors to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
No Drawing. Application May 11, 1944, Serial No. 535,194
2 Claims. (Cl. 260—28)

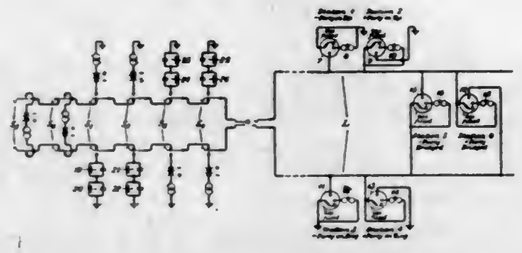
1. An adhesive, waterproof composition characterized by its high fluidity at a temperature as low as 20° F. above its softening point, heat stability at temperatures as high as about 10° F. below its softening point, chemical inertness, non-corrosiveness, and flexibility at temperatures as low as about 0° F., said composition comprising 73 to 95% of a normally solid asphalt, 2 to 15% of cetyl acetamide wax, and 3 to 12% of a polyisobutlyene having a molecular weight within the range of approximately 500–2500.

2,408,298
FUEL FEEDING AND INJECTION APPARATUS FOR OIL-BURNING ENGINES
Clessie L. Cummins, Columbus, Ind., assignor to Cummins Engine Company, Inc., Columbus, Ind., a corporation of Indiana
Application April 26, 1943, Serial No. 484,562
2 Claims. (Cl. 123—139)



1. In a multi-cylinder, oil burning engine, a plurality of injectors, one for each cylinder and each comprising a body having a fuel inlet port and a reciprocable plunger therein adapted when moved in one direction to leave a chamber in said body communicating with the associated cylinder and to open the inlet port, said chamber being adapted for mixing fuel and air, means for operating said injector plungers in predetermined order so that but one inlet port is opened at a time, a fuel line common to all of said ports, a fuel pump for delivering a controlled quantity of fuel to said line each time an inlet port is open and thereby forcing a like quantity of fuel from said line through said port to the associated chamber, said fuel pump acting to so deliver fuel to each chamber in timed relation to movement of the piston in the associated cylinder that the piston thereafter forces air into the chamber to mix with the fuel therein, the plunger being timed to move thereafter in the opposite direction to close the port and to discharge the mixture of fuel and air from the chamber into the cylinder.

2,408,299
SELECTIVE SIGNALING SYSTEM
Rowland Fenner Davis, Tuckahoe, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 18, 1944, Serial No. 564,127
4 Claims. (Cl. 179—86)



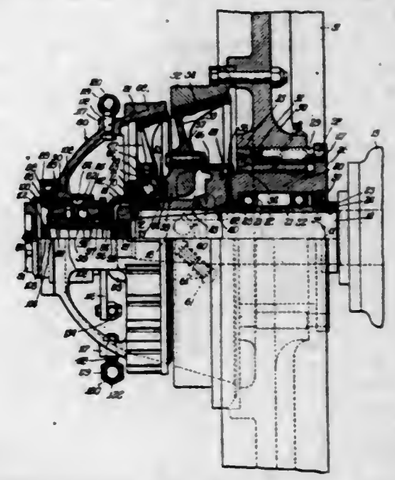
3. A line having a plurality of signal responsive devices connected thereto, two of said devices being oppositely poled with respect to each other and connected between one side of said line and ground, another two of said devices being oppositely poled with respect to each other and connected between the other side of said line and ground, another two of said devices being oppositely poled with respect to each other and bridged across said line, switching mechanism for connecting positive or negative pulsating current between one side of said line and ground to selectively operate either of the signal responsive devices connected to said side of the line, circuits anti-resonant at the frequency of the pulsating current and harmonics thereof, and means controlled by said switching means for connecting said anti-resonant circuits between the other side of the line and ground to prevent the pulsating current or harmonics thereof from operating said devices bridged across said line.

2,408,300
HYDROLYSIS OF ALIPHATIC SULPHONYL CHLORIDES
Thomas Edward Dillon, New Castle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 30, 1945, Serial No. 625,685
5 Claims. (Cl. 260—513)

1. In the process of hydrolyzing an aliphatic sulphonyl chloride by reacting upon the same with aqueous caustic alkali, the improvement which consists in effecting the reaction in the presence of an organic nitrogenous base.

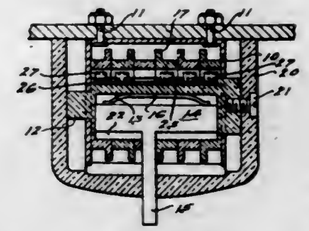
2,408,301
CLUTCH
Clarence M. Eason, Waukesha, Wis.
Application January 22, 1943, Serial No. 473,208
33 Claims. (Cl. 192—36)

1. In clutch mechanism, the combination of a driving member, a rotatable driven member, a self-energizing axially shiftable clutch spring-biased to engage by shifting movement in one direction, and control apparatus for said clutch comprising a servo action axially shiftable brake spring-biased to engage by shifting movement in the other direction, the spring biasing force of



said brake being operative to overcome the spring biasing force of said clutch.

2,408,302
RECORDING DEVICE FOR AUTOMOBILES
Erik E. Eriksson, Base Line, Mich.
Application August 1, 1945, Serial No. 608,123
3 Claims. (Cl. 40—68)

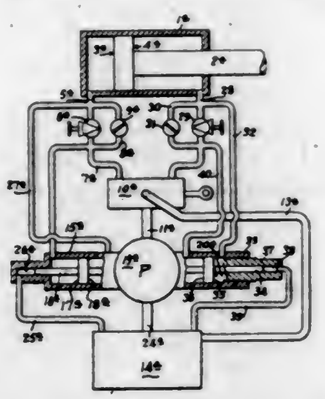


1. A recording device of the class described comprising, in combination, a housing having therein a bracket, a slotted shaft non-rotatably mounted in said bracket, a plurality of wheels rotatably mounted on said shaft having central openings therein, indicia on the outer periphery of said wheels and a plurality of notches on the periphery of said central wheel openings, ratchet means seated in said shaft and permanently engaging said notches on the periphery of said central wheel openings, and a locking member seated within said slotted shaft, opposed to said ratchet means, adapted to engage said central opening notches and lock the wheels against rotation.

2,408,303
CONTROL SYSTEM
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application May 10, 1943, Serial No. 486,283
4 Claims. (Cl. 60—52)

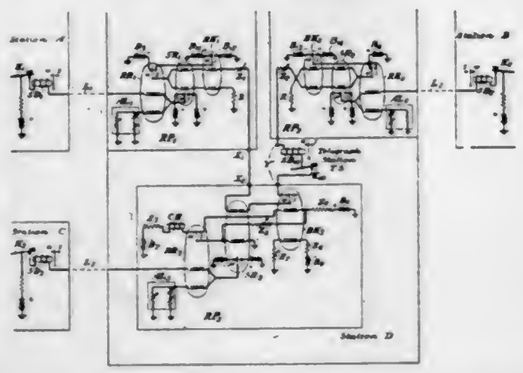
4. In a hydraulic system, in combination with a fluid source of variable delivery, a reversible fluid motor having a first and a second port, first and second flow restricting means connecting said source with said first and second ports respectively and each operable to establish a predetermined pressure difference between its inlet and outlet in response to fluid flow toward the associated port but to permit free flow from the said port, yielding means continuously urging said source toward maximum delivery position, and first and second flow controlling means con-

nected to vary the delivery of said source and each comprising oppositely effective fluid operable



means connected respectively with the inlet and the outlet of one of said flow restricting means.

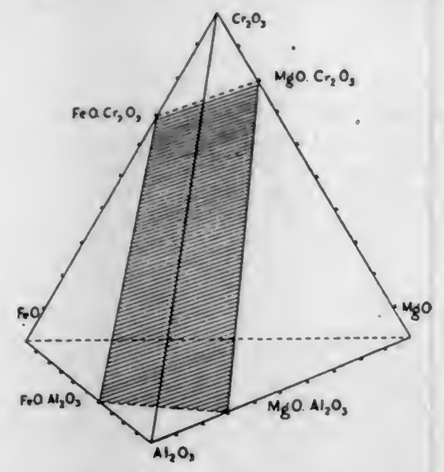
2,408,304
TELEGRAPH REPEATER SYSTEM
Frank Homer Fay, Huguenot Park, N. Y., and Elmer William Reeve, Plainfield, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application October 22, 1943, Serial No. 507,230
5 Claims. (Cl. 178—73)



1. In a telegraph repeating system for repeating signals from any one of three lines to the other lines simultaneously, the combination of two repeaters each having a line terminal and a loop terminal, a third repeater having a line terminal, a first relay and a second relay constituting the loop of said third repeater, the line terminal of each repeater being connected to one of said lines, the loop terminals of said two repeaters being connected in series with each other in a series circuit which includes the winding of the first relay of said third repeater and the armature and contact of the second relay of said third repeater, and means whereby said third repeater will send oppositely poled currents over the line associated with said third repeater to repeat signals thereto from either of the other repeaters.

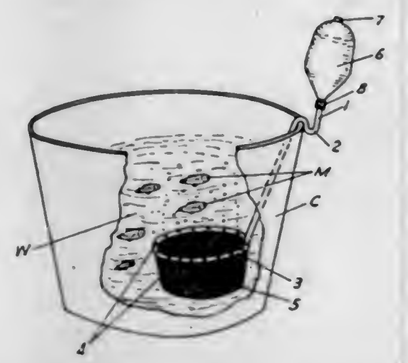
2,408,305
CAST REFRACTORY PRODUCT
Theodore Estes Field, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware
Application August 1, 1944, Serial No. 547,565
6 Claims. (Cl. 106—59)

1. A heat cast refractory composed principally of Cr_2O_3, FeO, Al_2O_3 and MgO in which the moles of Cr_2O_3 plus Al_2O_3 lie between 80% and 120% of the moles of FeO plus MgO and in which the FeO is not less than 8%, the MgO not less than



1.5%, the Cr_2O_3 not less than 11% and the Al_2O_3 not over 50% by weight by chemical analysis and in which the ratio of the mols of MgO to the mols of FeO lies between 0.1 and 4.

2,408,306
AERATOR
Algernon F. Flournoy, Shreveport, La.
Application April 29, 1944, Serial No. 533,368
5 Claims. (Cl. 43—57)

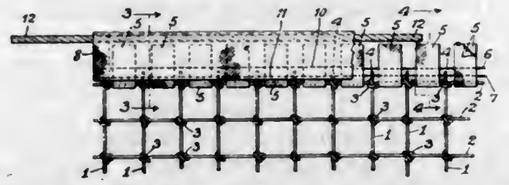


1. A device of class described comprising a minnow net supporting frame fashioned out of a perforated portion of a hollow tube, a handle member extending from the frame consisting in an extension of a non-perforated portion of said tube, and a collapsible bulb mounted on said handle member, said bulb being adapted to expel air through said minnow net supporting frame.

2,408,307
INSECTICIDE
Samuel I. Gertler and Herbert L. J. Haller, Washington, D. C., assignors to The United States of America as represented by the Secretary of Agriculture and his successors in office
No Drawing. Original application December 7, 1943, Serial No. 513,220. Divided and this application September 27, 1945, Serial No. 619,012
2 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

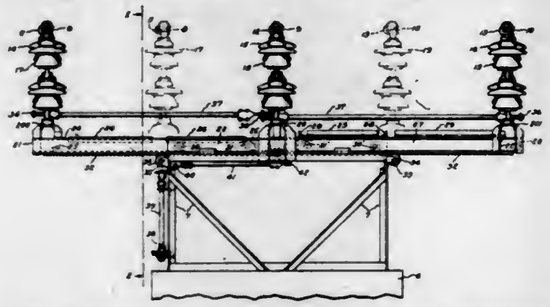
1. An insecticidal dust composition comprising acetophenone semicarbazone in the form of an impalpable powder admixed with a solid diluent.

2,408,308
METHOD OF MAKING NET
Murray G. Grabowsky, Chicago, Ill., assignor to R. J. Ederer Company, Chicago, Ill., a corporation of Illinois
Original application May 24, 1943, Serial No. 488,176, now Patent No. 2,357,890, dated September 12, 1944. Divided and this application May 18, 1944, Serial No. 536,094
11 Claims. (Cl. 28—77)



1. The method of forming a fabric article which includes the following steps: preparing the desired amount of large mesh material, inserting tabs of finer mesh fabric through the meshes of said first-mentioned material along its edge, folding said tabs of material upon themselves, forming stitches through said tabs at points positioned away from said edge of said fabric, positioning a strip of reinforcing material over said tabs with the edge of said reinforcing material overlapping said tabs and positioned outwardly from the edge of said fabric, and forming stitches through said reinforcing material and through said tabs.

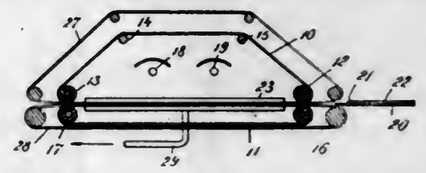
2,408,309
PORTABLE MOUNTING FOR ELECTRIC SWITCHES
Howard R. Harrison, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application April 24, 1944, Serial No. 532,431
12 Claims. (Cl. 200—168)



1. In a portable switch mounting wherein a transporting device is provided with a framework extending athwart the device in a direction substantially perpendicular to the direction of movement thereof; a switch, means supporting said switch on said framework for bodily movement thereon athwart the device between an extended position a substantial distance beyond one side of the device for electric current conducting purposes and a portable position closer to the side of the device for transportation clearance purposes, and means adapted to be operated to effect said bodily movement of the switch.

2,408,310
MECHANISM FOR CONTACT PRINTING
Gerald L. Hassler, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application January 4, 1944, Serial No. 516,910
6 Claims. (Cl. 95—73)

1. Mechanism for contact printing including in combination, a rotary printing device including wheels rotatable about a common axis, a printing light, a rim for each said wheel adapted to guide an original and sensitized printing material at its edges only during a continuous printing operation, chambers within said wheels and connections to a source of vacuum, sealing strips, one for each rim, rotatable with the wheels and



means including a plurality of rollers for guiding said sealing strips, connecting passages from the vacuum chambers in said wheels to the edges of the original and material to be printed, including radially disposed openings leading to an annular space, said annular space being filled with porous material.

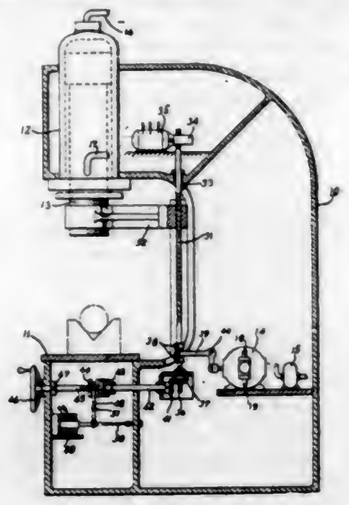
2,408,311
REMOVAL OF SULPHUR IN RECOVERY OF NICKEL
Robert C. Hills and Maurice F. Dufour, New York, N. Y., assignors to Nicaro Nickel Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 16, 1943, Serial No. 476,063
7 Claims. (Cl. 23—61)

1. In a process for obtaining precipitated nickel compounds in a condition substantially free of sulphur impurities from ammonium carbonate leach liquors containing nickel compounds dissolved therein and sulphur impurities, a substantial amount of the sulphur of which unites with the nickel in a water-insoluble form on expelling ammonia from the solution, the steps which comprise adding to said product leach liquor a soluble alkali metal compound, heating the resulting mixture until the nickel content is precipitated and separating substantially sulphur free nickel compounds thus precipitated from the solution containing sulphur impurities.

2,408,312
PRESS CONTROL
Leslie S. Hubbert, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application November 5, 1943, Serial No. 509,041
3 Claims. (Cl. 60—52)

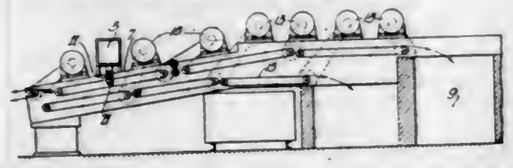
1. In a hydraulic press, a press platen, fluid motor means for reciprocating said platen, a source of pressure fluid, means forming a hydraulic circuit connecting said source with said motor and including control means for varying the rate of fluid flow, a rod threadedly engaging said platen for movement therewith and including means operatively connected with said control means, a reversible electric motor slidably keyed to one end of said rod selectively operable for rotating the said rod in either direction, manual means slidably keyed to the opposite end of said rod extending to the operator's position and operable to rotate said rod in either direction, normally open switch means selectively operable to energize said motor to operate in either direction, electrically actuated clutch means between said rod and said manual means operable when energized to disengage said manual means from said rod, and contactor means connected

to be energized by said switch means and having contactor blades in circuit with said motor



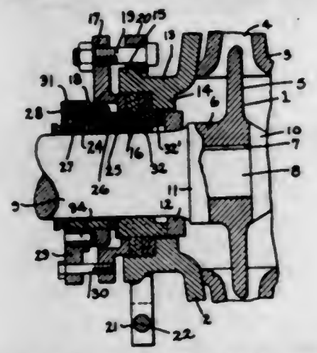
and said clutch means for positively deenergizing said clutch means simultaneously with the energization of said motor.

2,408,313
PHOTOELECTRIC COUNTER
Lyle R. Hunter, Clairton, and Oliver C. Levander, McKeesport, Pa.
Application September 5, 1942, Serial No. 457,480
5 Claims. (Cl. 250—41.5)



5. Mechanism for counting rapidly moving, closely spaced-apart metal sheet, which comprises the combination with a conveyor having the sheets to be counted traveling thereon, of a source of light positioned on one side of the conveyor and adapted to illuminate the sheets and spaces therebetween, a photoelectric cell mounted relative to the conveyor for receiving infinitesimally short flashes of light from the light source, the said infinitesimally short light flashes being the light passing through successive spaces between the rapidly moving sheets, the photoelectric cell being completely masked from the light source by passage of the sheets, first and second rectifying instrumentalities for rectifying alternating current, the first and second rectifying instrumentalities being free from mechanical and electrical inertia effects, the first rectifying instrumentalities being a rectifying circuit including a transformer and a triode rectifying tube having diode characteristics at any given instant for obtaining full wave rectification, the said circuit being adapted to deliver an unamplified unidirectional current, the second rectifying instrumentalities including a second triode rectifying circuit including a second transformer and a pair of triode thyratron-type tubes connected to sections of the said transformer and adapted to produce full wave rectification, a load adapted to be operated through a predetermined cycle by unamplified unidirectional current from the thyratron-type tubes, a potentiometer, the said first rectifying circuit being connected through the potentiometer and the photoelectric cell to a control grid of each of the thyratron-type tubes for impressing momentary unamplified unidirectional current to the said grid of each of the triode thyratron-type tubes for interrupting alternating current discharge between the remaining elements of the tubes responsively to momentary conductivity of the photoelectric cell during infinitesimally short intervals of time as light flashes between the sheets being counted to render conductive the photoelectric cell, thereby energizing the load during each flash responsively to the infinitesimally short interruptions to actuation of the thyratron-type tubes, the said tubes supplying unamplified rectified current to the counting means during relatively long periods of time during which the photoelectric cell is completely masked during passage of the sheets between the light source and the photoelectric cell, the said load performing a resetting operating during the periods of actuation of the thyratron-type tubes, and being actuated to perform the said predetermined cycle during the infinitesimally short interruptions of the thyratron-type tubes as the photoelectric cell becomes conductive responsive to light flashes between the sheets being counted, the thyratron-type tubes being connected in the circuit to be self-starting after each interruption and, being in parallel, the said thyratron-type tubes deliver a total current to the load which is the sum of the current outputs of the tubes, thereby producing extremely rapid actuation of the counting means.

2,408,314
SHAFT SEAL
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application October 4, 1943, Serial No. 504,824
3 Claims. (Cl. 286—7)

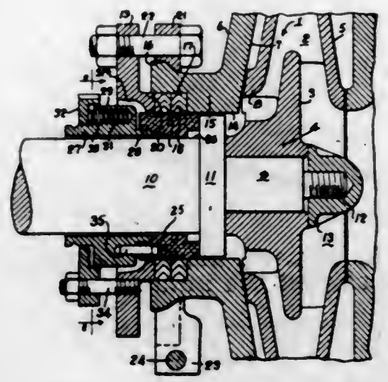


1. A seal for the shaft of a fluid pressure pump, said shaft being adapted to carry an impeller contained within a casing, a sealing collar on said shaft and secured thereto, a sealing ring adapted to surround the shaft and bear against the collar, means for applying pressure endwise to the sealing ring, said means comprising a retaining ring which surrounds said sealing ring and contains a plurality of compression springs arranged around the retaining ring and contained in compartments, and a retaining plate overlying said compartments to close the same.

2,408,315
SHAFT SEAL
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application October 4, 1943, Serial No. 504,825
2 Claims. (Cl. 286—7)

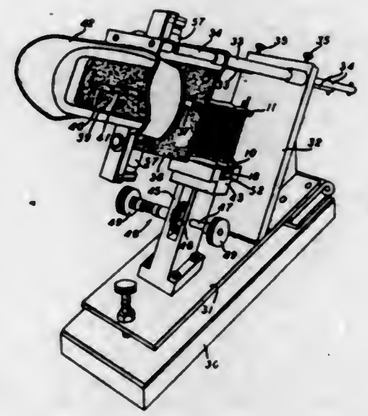
1. A seal for a high pressure fluid pump having a casing and a pump shaft, a collar on said

shaft, a sealing ring surrounding the shaft and abutting said collar, said sealing ring being provided with annular recesses at opposite edges thereof immediately adjacent the shaft thereby providing a reduced surface area abutting said collar at a point spaced from said shaft, means for applying longitudinal pressure to said sealing ring, and simultaneously preventing rotation of



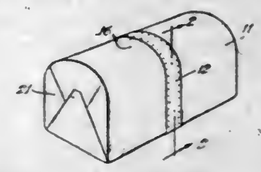
said ring, said means including a plate loosely surrounding the shaft and adjustably secured to said casing, said plate having an annular projection which extends into the recess of the sealing ring at the end remote from the shaft collar in contact therewith to apply the longitudinal pressure to said sealing ring and a pin extending from said plate endwise into said sealing ring.

2,408,316
ADJUSTMENT FIXTURE
Vincent G. Jarman, Watchung, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 23, 1943, Serial No. 480,169
4 Claims. (Cl. 248—124)



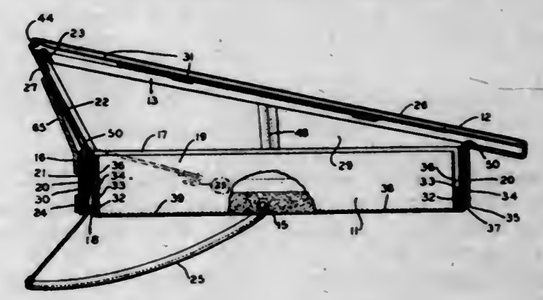
1. In an optical device for observing and holding articles to be adjusted and having an optical system for observing an article, a support base rigidly mounted beside and spaced from the optical axis of the system, a support carrier mounted in the support base to be adjustably traversable therein toward and from the optical axis at right angles thereto, and an article support mounted on the carrier to be rotatable thereon about the axis of motion thereof with respect to the support base.

2,408,317
BANDED BREAD LOAF PACKAGE
Ap Trevor Jones, Chicago, Ill., assignor to Interstate Bakeries Corporation, Kansas City, Mo., a corporation of Delaware
Application May 24, 1943, Serial No. 488,177
1 Claim. (Cl. 99—172)



A banded bread loaf package, comprising: a loaf of bread; a wrapper of flexible material enveloping said loaf, said wrapper having a potentially adhesive flowable coating on the exterior thereof adapted to be activated by heat and pressure, a pair of adjacent ends of the wrapper forming an overlapped seam area having said coating to which the heat and pressure have been applied; a band of flexible material which does not have adhesive or potentially adhesive properties encircling said loaf on the exterior of the wrapper and having overlapped ends within the seam area, one end of the band being interleaved with the edges of said wrapper in the seam and the other end of the band being overlapped with said seam on the exterior of the wrapper; perforations in said band spaced longitudinally along each side margin thereof throughout the length of the band at sufficiently close intervals so that the ends of the band within said seam area have perforations therein at each side of each band end; and extruded rivet portions of said coating after the application of said heat and pressure extending from said wrapper through said perforations in both ends of the band in inner and outer laminated formation in the area of said seam, the rivet portions in the end of the band outermost of the seam being on the exterior of the wrapper and in the plane of the band end outermost of the seam, whereby both ends of the band are secured to the wrapper in the seam area but the band is unsecured to the wrapper except where the heat and pressure have been applied and the band has a different surface than the wrapper and has a central portion therealong between said perforations for indicia lettering.

2,408,318
INTERCHANGEABLE HAT CONSTRUCTION
Abraham I. Josephs, New York, N. Y.
Application July 21, 1943, Serial No. 495,592
7 Claims. (Cl. 2—195)



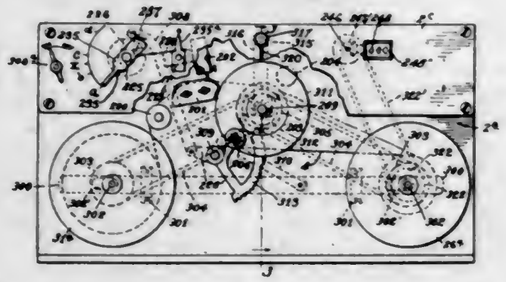
3. An interchangeable crown hat construction, comprising: a main band; a support element connected to said band and movable with respect thereto; a crown detachably connectable to said band; a stretcher ring in the upper portion of

said crown; means detachably connecting said ring to said support element; and sweat proof identification means detachably connected to said crown on the inner surface thereof.

2,408,319
ABRASIVE ARTICLES
Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application January 24, 1946, Serial No. 643,202
5 Claims. (Cl. 51—307)

1. An abrasive article comprising abrasive grains, a bond uniting the grains as an integral body, and the combination of iron sulphide and potassium fluoborate interspersed throughout the bonded mass.

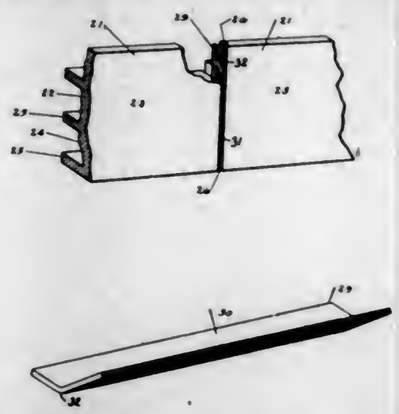
2,408,320
SOUND RECORDING AND REPRODUCING MACHINE
Jacob M. Kuhlik, Brooklyn, N. Y., assignor to Hattie B. Kuhlik, Sea Gate, N. Y.
Original application July 4, 1942, Serial No. 449,710. Divided and this application November 23, 1943, Serial No. 511,400
7 Claims. (Cl. 274—11)



1. In a sound recording and reproducing machine, in combination, a traveling strip of film, means for moving said film for recording and reproducing including a drive shaft, a driven shaft, a roller fixed on said driven shaft for frictionally driving said film, a sound head for recording and reproducing upon said film, means for tensioning said film during its recording and reproducing travel including a disc loosely mounted on said drive shaft, a roller carried by said disc for engaging and looping said film, a gear fixed to said disc and means for moving said tensioning roller away from said film to eliminate said loop for rewinding the film including a rockable shaft, a gear segment operatively connected to said shaft and in mesh with the gear on the disc for moving said disc and tensioning roller away from the film and means for rocking said shaft.

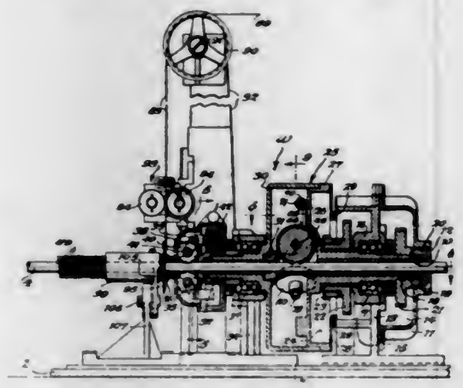
2,408,321
STOKER
Howard F. Lawrence, Philadelphia, Pa., assignor, by mesne assignments, to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 4, 1943, Serial No. 512,955
1 Claim. (Cl. 110—44)

A stoker comprising retort walls, each of said walls comprising a series of slightly spaced members arranged in end to end relation, each of said members having a vertical slot provided at each end thereof, and a sealing member of substantially V shape construction insertable in said slots, said sealing members being adapted to be straightened and thereby extended to the inner ends of



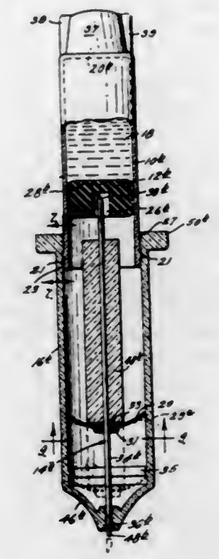
said slots by impact, thereby effectively sealing the retorts against the influx of air.

2,408,322
MACHINE FOR WINDING FIN STOCKS
Joseph D. Lear, Buffalo, N. Y., assignor, by mesne assignments, to Fedders-Quigan Corporation, Buffalo, N. Y., a corporation of New York
Application August 16, 1943, Serial No. 498,845
13 Claims. (Cl. 153—64.5)



1. A machine for winding fin stock in ribbon form spirally on the periphery of a tube which comprises a tubular member having a bore therethrough of a size to slidingly receive a tube to which a fin is to be applied, means rotatably mounting said member for rotation about the axis of said bore, a plurality of levers mounted on said member for oscillation about axes crosswise of and offset from the axis of said bore, each of said levers having at one end a roller engageable with the tube in said bore close to the exit end of said bore and its other end progressing along said tube and away from its roller in a direction opposite from the direction of travel of said tube and overweighted so as to serve as a centrifugal weight which, when said member is rotated, will move outwardly and force its roller against said tube in said bore with a force increasing with the rate of operation, each of said rollers having a peripheral surface formed to grip said tube sufficiently to cause it to rotate with said member, spring means yieldingly urging said levers in directions to cause said rollers to engage said tube, means for causing endwise movement of said tube through said bore, and means for delivering said fin stock in ribbon form progressively to the portion of the tube leaving said member, with the ribbon abutting edgewise of itself against the periphery of the tube.

2,408,323
HYPODERMIC SYRINGE
Marshall L. Lockhart, Detroit, Mich., assignor of one-half to Margaret L. Lockhart, Detroit, Mich.
Application June 10, 1943, Serial No. 490,250
6 Claims. (Cl. 128—220)

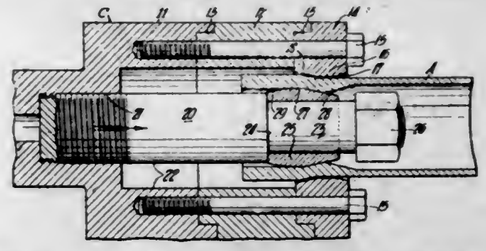


6. A hypodermic syringe including in combination a pair of tubes, the inner end of one tube overlapping and being telescopically disposed with respect to the inner end of the other tube, one of said tubes being adapted to receive medicament, a pierceable closure-member sealing the medicament within such tube and being slidably mounted therein, a tubular needle disposed within the other of said tubes and being formed with piercing portions at each of its ends, the outer end of said other tube being constricted, a seal carried by that tube at such outer end and initially extending beyond the adjacent piercing point of the needle, means carried by said needle and cooperable with the inner face of the constricted tube end for limiting the projection of the needle beyond the seal and end, means also carried by the needle and lying adjacent its opposite end to cooperate with the closure of the first-named tube to cause such closure to be longitudinally shifted within its tube and to act on the medicament as a piston, and means forming a part of said other tube and cooperable with the means carried by said needle to prevent a retraction of said needle into said tube once said needle has been projected with respect to the same.

2,408,324
HYDRATED DOLOMITIC LIMES AND METHOD OF REDUCING THE PLASTICITY OF AQUEOUS SUSPENSIONS THEREOF
Chauncey C. Loomis, Lee, and William J. Barrett, Adams, Mass., assignors to New England Lime Company, Adams, Mass., a corporation of Massachusetts
No Drawing. Application February 19, 1941, Serial No. 379,642
16 Claims. (Cl. 106—109)

1. A hydrated dolomitic lime whose magnesium oxide content is slaked to at least about 35%, mixed with about 1% or less of an agent capable of preventing thickening of a putty made of such lime, on gauging with gypsum.

2,408,325
WORKING TUBULAR ARTICLES
Charles C. Luce, McKeesport, and Neil B. Duncan, Pittsburgh, Pa., assignors to National Tube Company, a corporation of New Jersey
Application October 21, 1944, Serial No. 559,866
4 Claims. (Cl. 29—156)



3. The method of increasing the strength of pipe ends which comprises upsetting the end portion of a length of pipe while in a heated condition to thicken and taper the walls thereof, cooling said upset end portion below the critical temperature thereof, inserting an internal die member in said upset portion to expand the same while passing an external die thereover in longitudinally offset relation with respect to said inner die member, bringing said die members into telescoped relation and withdrawing the same from said expanded portion to reduce the diameter of said expanded and upset portion by said outer die and to reduce the wall thickness of said portion by the conjoint action of said inner and outer die members.

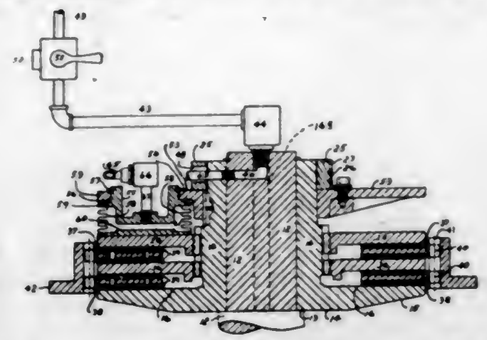
2,408,326
PROCESS FOR PREPARING ALKALI-SOLUBLE METHYL CELLULOSE
Albert T. Maasberg, Huntsville, Ala., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 26, 1944, Serial No. 532,876
2 Claims. (Cl. 260—231)

1. The method which comprises providing a fibrous cellulose of high alpha-cellulose content, absorbing uniformly therein, at from 15° to 35° C., an aqueous alkali metal hydroxide solution of from 27.5 to 45 per cent concentration in an amount equivalent to from 0.35 to 0.60 part by weight of sodium hydroxide per part of cellulose, treating the so-formed alkali cellulose under autogenous pressure in a closed system at from 35° to 75° C. with from 0.15 to 0.5 part by weight of a methyl halide, calculated as methyl chloride, per part of cellulose, until the resulting methyl cellulose contains from 6 to 13 per cent of methoxyl, and separating from the reaction mixture the so-formed methyl cellulose which is insoluble in water and is soluble directly, to form haze-free solutions, in 3 to 4 per cent aqueous sodium hydroxide solution at 15° to 20° C. without further chilling, which alkaline solutions of the methyl cellulose may be diluted with an equal volume of water without precipitation of the methyl cellulose.

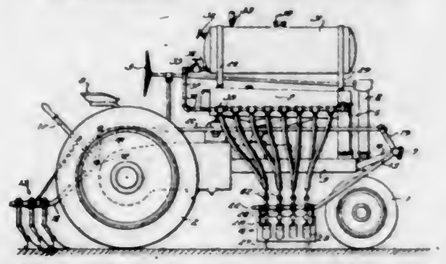
2,408,327
FLUID PRESSURE CLUTCH MECHANISM
Leland O. McLean, Marion, Ohio, assignor to The Osgood Company, Marion, Ohio, a corporation of Ohio
Application November 17, 1944, Serial No. 563,949
8 Claims. (Cl. 192—88)

1. In a clutch structure for transmitting rotary motion from a source of power comprising a

rotary driving shaft, the combination of a hub arranged to be mounted on the shaft and to rotate therewith, a radial flange mounted on and rotating with the hub, at least one chamber having a circular wall of circumferentially corrugated material attached at one end with a sealed joint to the flange, the other end of the wall being enclosed to complete the chamber, the material of said wall having an elastic characteristic to expand longitudinally as fluid pressure is introduced into the chamber and tensioned to retract as such pressure is relieved, an annular driving plate mounted on the hub to rotate therewith but slidable longitudinally thereof, a driven ring loosely mounted on the hub and arranged to be operatively connected to the mechanism to be driven, and means to introduce fluid under pressure into the chamber to expand the same longitudinally to force the driving plate into frictional engagement with the driven ring to rotate the same, and to relieve such pressure and interrupt such frictional engagement.



2,408,328
APPARATUS FOR CULTIVATION OF PLANTS
Price Chrenleigh McLemore, Montgomery, Ala.
Original application October 11, 1939, Serial No. 298,870. Divided and this application November 4, 1940, Serial No. 364,140
11 Claims. (Cl. 126—271.2)

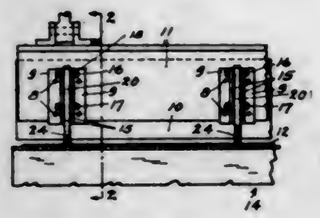


1. A flame cultivator comprising a vehicle having ground engaging wheels for supporting the vehicle on the ground, a pair of burners connected to the vehicle for travel therewith, and fuel supply means carried by said vehicle for supplying said burners, said burners being disposed upon opposite sides of a vertical plane which extends longitudinally of the vehicle and parallel to the line of forward travel of the vehicle, each burner being directed diagonally downwardly in a direction substantially crosswise of said vehicle for causing its flame to strike the surface of the ground supporting the vehicle at a point short of the line of intersection of the said plane and the ground, said burners and fuel supply means cooperating to cause each burner to project a relatively long otherwise unconfined flame which is spread by impingement against the ground to form a laterally widened sheet of flame of shallow depth which flows along the ground and floods across the line of intersection of the said plane and the ground.

2,408,329
ALKYATION PROCESS
Jacob R. Meadow, Lexington, Ky., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Original application October 9, 1943, Serial No. 505,661. Divided and this application May 23, 1945, Serial No. 595,492
5 Claims. (Cl. 260—683.4)

1. In a process for alkylating a paraffinic hydrocarbon having at least three carbon atoms with an olefinic hydrocarbon having at least three carbon atoms, which includes contacting said paraffinic hydrocarbon with said olefinic hydrocarbon in a reaction zone under alkylating conditions, in the presence of a hydrogen fluoride alkylation catalyst, and maintaining said paraffinic hydrocarbon in excess over said olefinic hydrocarbon in said reaction zone so that alkylation is the principal reaction; the improvement which comprises contacting said paraffinic hydrocarbon and said olefinic hydrocarbon with a hydrogen fluoride alkylation catalyst in said reaction zone, in the presence of a material selected from the group consisting of chlorine, bromine, and iodine.

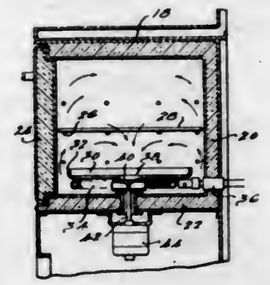
2,408,330
RESILIENT HOLD-DOWN DEVICE
William J. Miller, Seattle, Wash., assignor to Elliott Bay Mill Co., Seattle, Wash., a corporation of Washington
Application September 30, 1944, Serial No. 556,630
2 Claims. (Cl. 164—51)



1. A resilient veneer hold down unit for attachment to a high speed reciprocable veneer clipping knife, comprising frame means adapted to be carried by the knife; a veneer hold down member of relatively light weight fibrous material movably supported by said frame means and having a curved veneer engaging portion extending beyond an end portion of said frame means and normally extending beyond the cutting edge of the knife; and resilient means yieldingly urging said veneer hold down member into veneer engaging position.

2,408,331
AIR-CONDITIONED ELECTRIC COOKING OVEN
Herbert E. Mills, Detroit, Mich., assignor, by mesne assignments, to Mills Engineering Company, Detroit, Mich., a partnership
Application April 12, 1943, Serial No. 482,787
2 Claims. (Cl. 219—35)

1. An electric cooking stove comprising an oven defined by insulated walls, a generally horizontal baffle arranged in the lower part of said oven and in closely spaced relationship with the bottom wall thereof, said baffle having its surrounding side edges arranged in spaced relationship with the side walls of said oven to define a blower discharge opening therebetween extending entirely around said baffle and said oven, said baffle having an unobstructed central opening forming a blower inlet, a blower positioned below said central opening and operable to effect the continuous circulation of oven air downwardly through said blower inlet, laterally in all directions below said baffle, thence upwardly through said discharge opening on all sides of said oven into the oven space thereabove and thence back to said blower inlet, a flat electric heating element arranged below said baffle in the path of the air circulated by said blower, and operable for heating the air circulated by said blower, thereby to heat said oven for cooking food therein, and an electric motor arranged below said bottom oven wall and connected to said blower for operating the same only when said heating means is operable, said heating element substantially surrounding said blower and being arranged in substantially the same general plane thereof.



2,408,332
WATER-SOLUBLE RESINOUS CONDENSATES
Willard L. Morgan, Columbus, Ohio, assignor to Arnold, Hoffman & Co. Incorporated, a corporation of Rhode Island
No Drawing. Application March 6, 1945, Serial No. 581,328
12 Claims. (Cl. 260—2)

1. The process for the manufacture of water soluble resins which consists of condensing boric acid and an amino compound of the following general formula:

$$RNH—(CH_2)_n—[NH(CH_2)_n]_p—Y$$

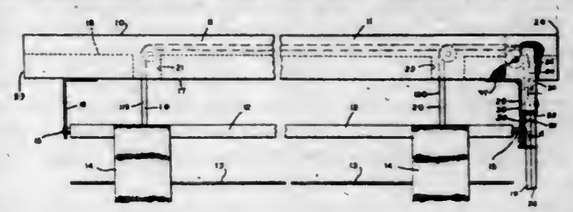
in which n and p are small integers, with n varying from 2 to 6 and p from 0 to 6, and Y is a radical selected from the group consisting of a hydroxyl (OH) and an amino (NH_2), and in which formula R represents a radical selected from the group consisting of hydrogen and

$$—(CH_2)_n—[NH(CH_2)_n]_p—Y$$

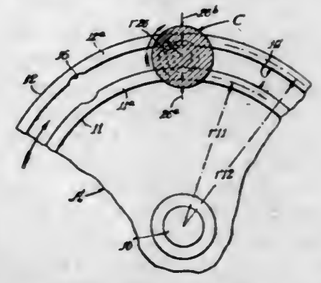
in which n and p are small integers, with n varying from 2 to 6 and p from 0 to 6, and Y is a radical selected from the group consisting of a hydroxyl (OH) and an amino (NH_2).

2,408,333
VENETIAN BLIND CORD-LOCKING CONSTRUCTION
Jules Nisenson, New York, N. Y., assignor to Publix Metal Products, Inc., New York, N. Y., a corporation of New York
Application May 23, 1944, Serial No. 536,994
4 Claims. (Cl. 160—173)

2. In a Venetian blind construction having a slat tiltable about its own longitudinal axis, and elevating means for said slat including a cord; a cord-lock for maintaining said cord in adjusted positions thereof comprising: a body; a cord gripping dog movably mounted on said body, and adapted for effective movement forwardly and rearwardly with respect to said body, said dog having a gripping surface extending generally forwardly with respect to said body and said blind and when in idle position adapted to be normally and freely engaged at the front side thereof by said cord; whereby manual movement of said cord forwardly of the blind will disengage the cord from said dog.



2,408,334
LAPPING METHOD AND MACHINE
Delbert S. Oliver, Euclid, Ohio, assignor to Pesco Products Co., Cleveland, Ohio, a corporation of Ohio
Application July 31, 1944, Serial No. 547,389
6 Claims. (Cl. 51—131)

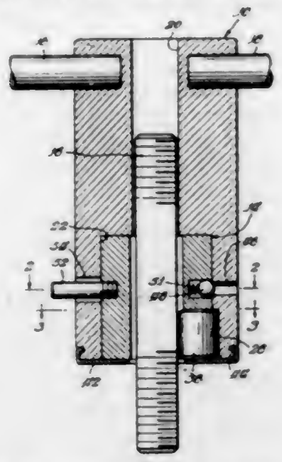


1. An apparatus for lapping a work piece having a headed stem and a flat radial seal flange spaced from the head, the seal surface having an annular contour arranged in a plane at a right angle to and concentric with the stem axis; said apparatus comprising a rotatable holder supporting the work piece; and a lapping assembly opposing said holder comprising a base rotatable on an axis parallel with and spaced from the holder axis; two coaxial parallel walls of substantial height having confronting abrasive supporting flanges at their ends and defining a relatively deep chamber the entrance to which is restricted by said flanges, the stem and head of the work piece being received in said chamber and entrance thereto; and radially alined recesses in said flanges effecting the insertion of the work piece head into said chamber thereby to engage the seal flange with the abrasive supporting flanges of the lapping assembly.

2,408,335
TORQUE WRENCH
Delbert S. Oliver, Euclid, and John Kanuch, Cleveland, Ohio, assignors to Pesco Products Co., a corporation of Ohio
Application May 21, 1943, Serial No. 487,896
3 Claims. (Cl. 81—53)

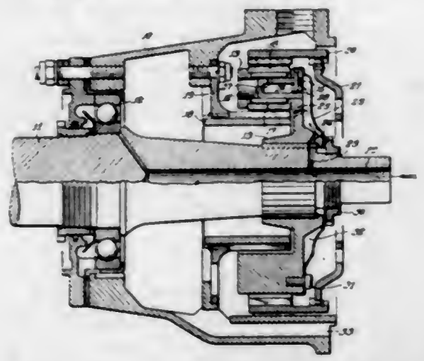
3. A torque wrench for drivingly engaging the curved surface of an elongated article, said wrench including, in combination, means defining a cylindrical housing having a coaxial bore therethrough, a cage and roller assembly coaxially journaled in said bore for arcuate movement therein and having one roller of a greater

diameter than the remaining rollers, an arcuate slot in said housing, a rod secured to said cage and protruding through the slot in said housing, a recess formed in the bore of said housing opposite said one roller and defining a dwell surface and a cam surface on either side of said dwell surface, which cam surfaces cooperate with said one roller to move the same radially inwardly to effect gripping of said article between the rollers when said cage and roller assembly is adjusted arcuately with respect to the housing, the diameter of said one roller being such that when said



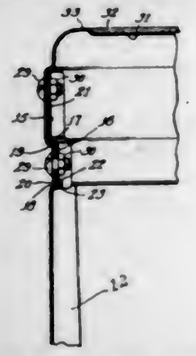
one roller is in engagement with said dwell surface of said recess and said remaining rollers are in engagement with the bore of said housing, the axis of said housing and said assembly is substantially equidistant from the nearest surface of all of the rollers and the opening between said rollers is at its maximum, said position of maximum opening or variations therefrom being visually indicated by said rod which additionally serves as means for manually adjusting the cage to said position of maximum opening or to a position causing gripping of said article by said rollers.

2,408,336
TRANSMISSION
Palmer Orr, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 8, 1943, Serial No. 471,666
5 Claims. (Cl. 184—6)



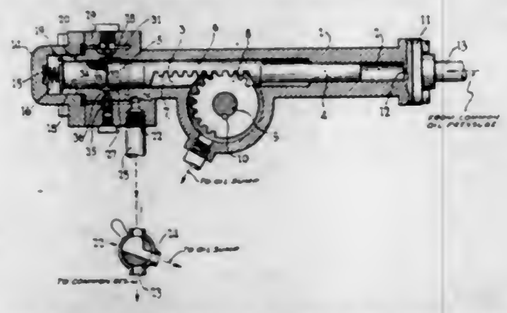
1. In power transmission mechanism, the combination of a hollow rotatable shaft; a plurality of power transmitting elements; a support on said shaft for rotatably mounting said elements about the axis of said shaft; a source of lubricant under pressure discharging into said shaft; an annular pressure chamber sealed wholly upon and rotatable with said support; inlet conduits for said chamber communicating with said shaft; and discharge conduits connecting said chamber to said power transmitting elements, the sum of the effective cross-sectional areas of the inlet conduits exceeding the sum of the effective cross-sectional areas of the discharge conduits, whereby lubricant under pressure is maintained in said chamber at all times.

2,408,337
KNOCKDOWN STOOL OR THE LIKE
William C. Panzer, Chicago, Ill.
Application October 30, 1944, Serial No. 560,921
4 Claims. (Cl. 155—194)



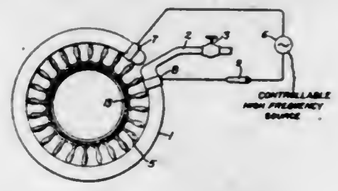
3. In a knock-down sheet metal stool embodying a top and at least three legs, the combination of a band encircling said legs, a depending skirt on said top spaced substantially above said band, interengaging formations on said skirt and each leg respectively, said interengaging formations including an exteriorly channeled portion at the upper end of each leg, a shouldered formation on said skirt matingly received in said exteriorly channeled portion, a further exteriorly channeled portion in said first mentioned channeled portion, and an inturned flange at the lower end of said skirt matingly received in said further exteriorly channeled portion and whereby to predetermine the respective positions of the parts, screws extending between said skirt and said legs and between said band and said legs, and nuts on said screws.

2,408,338
HYDRAULIC DEVICE
Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y., a corporation of New York
Application June 13, 1944, Serial No. 540,081
1 Claim. (Cl. 121—44)



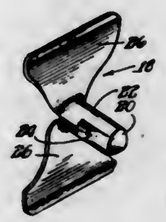
A hydraulic motor, including, in combination: a body formed with a cylinder, a piston in the cylinder, a shaft, means for causing an oscillation of the shaft by a reciprocation of the piston, a slide valve in the form of a hollow cylinder having an end wall in the cylinder between the end of the piston and the end of the cylinder, said slide valve having resilient means between it and the end of the cylinder whereby it is always pressed toward the piston, means on the slide valve for limiting its extent of movement, said cylinder formed with a circumferential channel opening in the inside surface, two ducts opening therein, a connecting duct and a cavity adapted for the reception of a fluid supply line connected with said ducts, a spring held valve closing one of the ducts opening into the channel, said slide valve having two spaced through bores in the side wall and a bore in the end wall, a source of fluid pressure, an oil sump, a valve adapted to alternatively connect said cavity with the source of fluid pressure or the oil sump, and means to move the piston toward the slide valve, whereby when the cavity is connected to the source of fluid the piston moves away from the slide valve and when the cavity is connected to the oil sump the piston moves rapidly at first toward the slide valve and then with a gradually decelerating motion together with the slide valve.

2,408,339
HEATING APPARATUS
Otis W. Pike, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 28, 1943, Serial No. 473,845
11 Claims. (Cl. 263—4)



1. In apparatus for heating glass parts or the like, the combination which comprises means for heating said parts including a metallic tube shaped to surround substantially said parts, means for supplying combustible gas to said tube, an opening in said tube through which said gas may be directed in burning condition against the parts under treatment, and means for passing high frequency current through the tube to produce further heating of the parts by the action of said high frequency current.

2,408,340
FASTENING DEVICE
Ouglijesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application February 14, 1945, Serial No. 577,762
7 Claims. (Cl. 85—40)



1. A tension applying hollow rivet formed complete from a single strip of sheet metal, comprising a tubular shank having a solid end portion formed from the middle part of the strip and having rounded complementary body portions positioned side by side in mutually reinforcing edge to edge engagement with each other, axially resilient head portions formed from the end parts of the blank turned outwardly and backwardly, and inwardly displaceable latching means normally terminating in outwardly spaced relationship to the periphery of the shank, said latching means cooperatively disposed with respect to said resilient head portions to effect automatic gripping of a workpiece between said resilient head portions and latching means as an incident to telescopic association of the tubular shank and a work aperture.

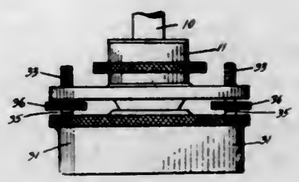
2,408,341
ALLOY
John L. Rodda, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 20, 1944, Serial No. 545,867
12 Claims. (Cl. 75—157.5)

1. An alloy containing 15 to 37.5% zinc, 7.5 to 30% manganese, 0.25 to 2% silicon, 0.005 to 2% beryllium, and the balance substantially all copper but not less than 50%.

2,408,342
ALLOY
John L. Rodda, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 20, 1944, Serial No. 545,868
11 Claims. (Cl. 75—157.5)

1. An alloy containing 15 to 37.5% zinc, 7.5 to 30% manganese, 0.005 to 2% beryllium, and the balance substantially all copper but not less than 50%.

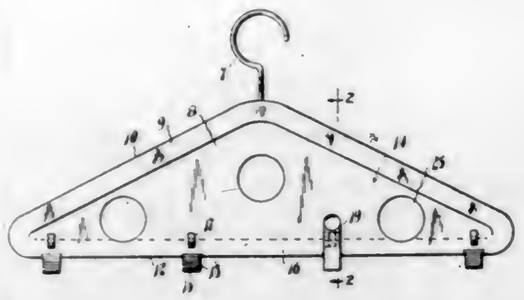
2,408,343
LEVEL
Charles O. Rothweiler, Milwaukee, Wis.
Application June 10, 1944, Serial No. 539,750
3 Claims. (Cl. 248—180)



1. A device of the character described comprising a vertical shaft, an outer casing, an end thrust bearing disposed between said shaft and casing, a lock nut for supporting the inner race of said bearing to the shaft, a lock nut supporting the outer race of said bearing to the casing, a ground seat bearing nut, an auxiliary member attaching said bearing nut to said casing, the lower end of said shaft ground for engagement with said bearing nut, a flanged thrust plate, a threaded collar horizontally disposed encircling said thrust plate, said collar having an aperture in its center, a plurality of leveling screws threadedly supported by said casing, radial contact surfaces on said collar, said surfaces corresponding with said leveling

screws and arranged for engagement therewith, thereby causing an adjustable contact between said casing and said collar when said collar is attached to a tripod or the like.

2,408,344
COAT HANGER OR WALL RACK
William Scurrah, Toronto, Ontario, Canada
Application February 12, 1945, Serial No. 577,404
1 Claim. (Cl. 223—91)



In a device of the class described, a support of a formable or mouldable material consisting of a broad substantially flat-sided member vertically arranged and having a straight horizontal lower edge, a horizontal series of jaws integrally formed on said support to project from the lower edge thereof, said jaws each having a serrated face disposed outwardly of a side of said support, ears integrally formed on said support, there being one ear above each of said jaws disposed on the same side of said support as said serrated faces thereof, a plurality of vertical fingers on said support with one of the fingers pivotally mounted intermediate of its length on each of said ears, each finger having a serrated inner face overlying the jaw, and springs mounted on said support with one of the springs applying outward pressure on the upper end of each of said fingers.

2,408,345
COMPOSITION OF MATTER AND METHOD
Robert S. Shelton, Mariemont, and Marcus G. Van Campen, Jr., Deer Park, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application April 13, 1942, Serial No. 438,728
8 Claims. (Cl. 260—570.8)

7. Beta-phenyl-alpha-alpha-dimethyl - alpha-amino ethane.

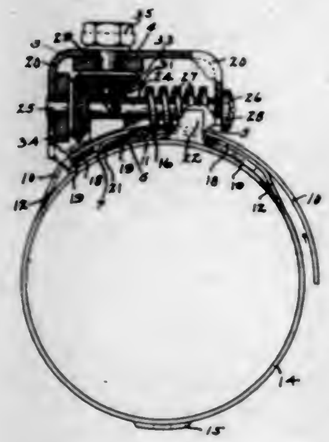
2,408,346
PISTON
Kave A. Smith, Overland, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application October 7, 1944, Serial No. 557,587
5 Claims. (Cl. 309—4)

3. A piston comprising an intermediate packing member, a head on one side of said member having diametrically opposite openings, said packing having openings aligned therewith, studs passing through said openings, a second head on the opposite side of said packing member, said studs having grooves in the plane of said second head adjacent to the packing, and keyhole openings in the second head having notched portions cooperating with said grooves and oppositely directed with respect to a radius of the piston, said keyhole openings having enlarged portions accommodating the non-grooved portions of said studs beyond the grooves, the length of said



notched portions of the keyhole openings being such as to require for disassembly a misalignment between the head in which they are located and the packing member which is greater than that which is permitted by the cylindric member in connection with which the piston cooperates.

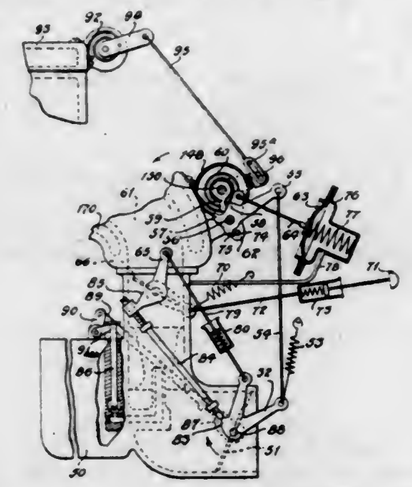
2,408,347
WORM ADJUSTING DOUBLE WRAP HOSE CLAMP
Verner E. Sprouse, Columbus, Ind.
Application July 19, 1944, Serial No. 545,559
4 Claims. (Cl. 24—19)



4. A hose clamp comprising a hose wrapping band circumferentially wrapped to extend twice around the hose, the band having overlapping ends; one of said ends being provided with a series of abutments therealong; a bracket to which the other of said band ends is secured; said bracket having a member circumferentially riding on said band spaced between said ends; said one end extending over said bracket member; and a worm rotatably carried by the bracket and having a thread engaging said end abutments for pulling the entire band under tension between said ends to reduce its effective diameter; and means carried by said bracket having an operating member angularly disposed from the axis of said worm thread for revolving the worm; said bracket carried means comprising a gear system interconnecting said worm and said operating member; the axis of said worm thread being substantially parallel to a tangent to said wrapped band; and said operating member extending externally of said bracket and having its axis substantially normal to that of the worm

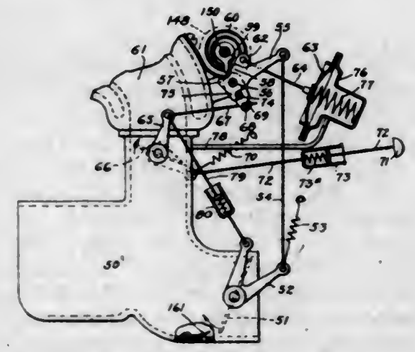
thread; said gear system consisting of a gear fixed to said worm, and a second gear meshed with the first gear and fixed to said operating member; said operating member having a bearing in an outer portion of said bracket outside of its attached gear; and a crossbar within said bracket carrying an inner end of said operating member.

2,408,348
FUEL MIXTURE CONTROL
Warren F. Stanton, Pawtucket, R. I., assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y., a corporation of Delaware
Application June 12, 1937, Serial No. 147,876
13 Claims. (Cl. 123—119)



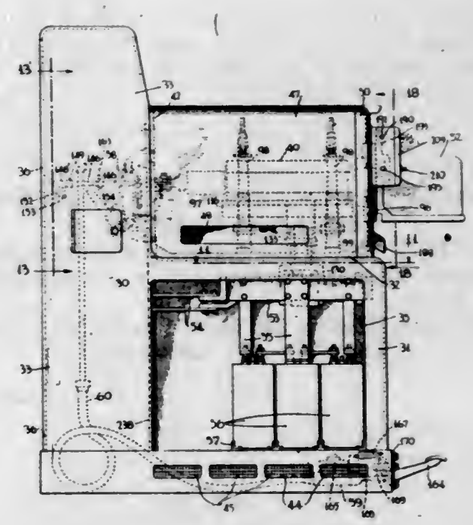
1. A carburetor for an internal combustion engine comprising an inlet passage, a mixture outlet connected thereto and having a throttle valve therein, and means responsive to the temperature of the internal combustion engine adapted to limit both the opening and closing of the throttle valve when the engine is cold.

2,408,349
FUEL MIXTURE CONTROL
Warren F. Stanton, deceased, late of Pawtucket, R. I., by Gladys Perry Stanton, administratrix, Pawtucket, R. I., assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y., a corporation of Delaware
Original application March 19, 1932, Serial No. 600,038. Divided and this application April 28, 1944, Serial No. 533,184
3 Claims. (Cl. 123—119)



1. A carburetor for an internal combustion engine including an air entrance, a choke valve therein, a mixture outlet, a throttle valve controlling said outlet, and means for conditioning said valves for starting said engine, said means including a pivoted arm, a fluid motor for varying the angular position of said arm, heat control means for varying the movement of said arm by said fluid motor, adjustable means for limiting the movement of said arm in one direction, a connection between said arm and one of said valves, an interconnection means for the said valves whereby the movement of one of said valves by said arm will determine the position of the associated valve.

2,408,350
ELECTRIC FURNACE MACHINE
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 21, 1941, Serial No. 384,503
8 Claims. (Cl. 219—13)

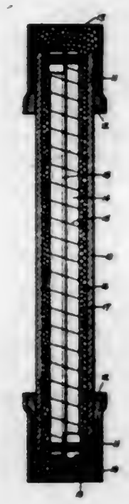


1. An apparatus for heating a workpiece by electromagnetic induction comprising an inducing coil, a source of power therefor, means for connecting said coil and source of power, a timer for disconnecting said coil and source of power after a predetermined time interval, means connected to said connecting and disconnecting means for preventing connection of said coil and power source after the opening of the coil and power source connection prior to completion of said time interval, and means connected to said connecting and disconnecting means and responsive to relative axial movement between said coil and workpiece to render said connection preventing means inoperative.

2,408,351
CURRENT-LIMITING FUSE
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 11, 1942, Serial No. 465,205
1 Claim. (Cl. 200—120)

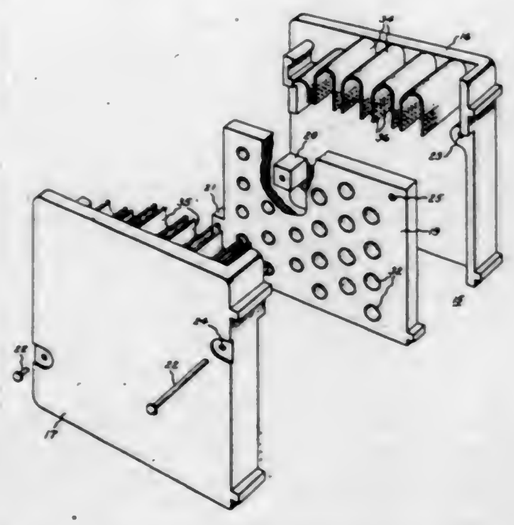
In a high tension fuse of the current-limiting type, the combination of a totally enclosed casing containing a body of arc-quenching medium comprising an intimate mixture of 200-mesh and

80-mesh granular inert material, and a conductor embedded in said material which conductor is adapted to dissipate throughout a fusible section



of considerable length as distinguished from dissipation only at a point of reduced cross-section upon subjection of the fusible section to excess current of large magnitude.

2,408,352
GAS COOLING ARRANGEMENT FOR CIRCUIT INTERRUPTERS
Charles H. Titus, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application March 24, 1944, Serial No. 527,912
6 Claims. (Cl. 200—144)

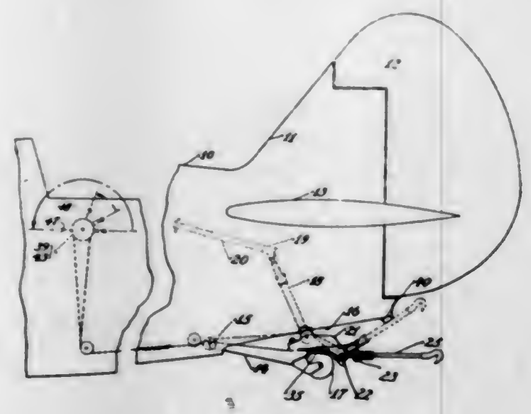


1. In arc extinguishing means for an electric circuit interrupter, an arc extinguishing chamber having a passageway through which exhaust gases may leave said chamber, and a gas cooling arrangement comprising a series of alternately erect and inverted U-shaped metallic members interleaved and spaced in parallel relation across said passageway with the outer side of the bight of the erect members and the inner side of the bight of the inverted members toward the base of the passageway thereby forming a plurality of sinuous escape openings for the outflowing hot exhaust gases of an arc formed in said chamber.

2,408,353
PIGMENTED RESIN GEL
Harry A. Toulmin, Jr., Oakwood, Ohio, assignor, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio
No Drawing. Original application November 8, 1939, Serial No. 303,447. Divided and this application March 17, 1943, Serial No. 479,483
4 Claims. (Cl. 260—19)

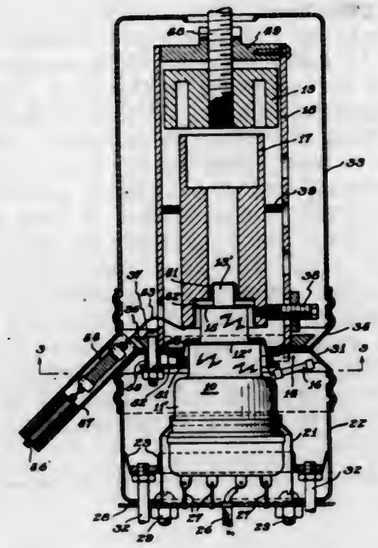
1. The method comprising heating together 100 parts by weight of cresol and 70 parts by weight of 30% formaldehyde for time sufficient to cause reaction of all the formaldehyde present, distilling off water and uncombined cresol, adding approximately 800 parts by weight of fused rosin, heating the mixture in a closed vessel until a clear homogeneous resin free from cresol odor has been formed, driving off volatile substances while adding to the mixture 100 parts by weight of glycerol together with a waterfree pigment previously treated with a dispersing agent therefor, and continuing heating the mixture at a temperature of approximately 500° F. until the glycerol has fully reacted to form ester products, whereby there is obtained a pigmented resinous gel in which the pigment is uniformly and finely dispersed, said pigmented gel being adapted for use in compounding enamels, lacquers, plastics, and the like.

2,408,354
ARRESTING GEAR
Clem G. Trimbach, Eggertsville, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application March 28, 1936, Serial No. 71,415
10 Claims. (Cl. 244—110)



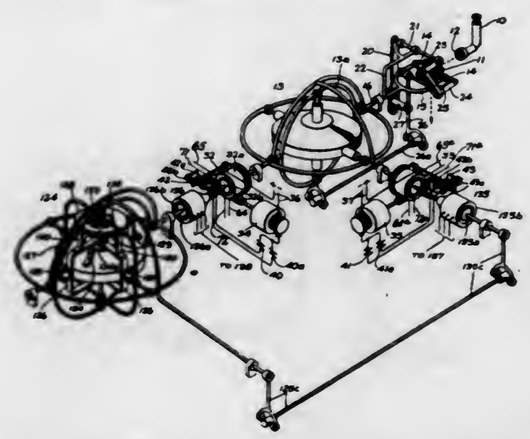
1. In an aircraft fuselage having an opening in the lower rearward surface thereof, a tail wheel chassis hinged to said fuselage and swingable vertically into and from said fuselage, means to swing said chassis, an arresting hook shank pivoted on said chassis and swingable with and with respect thereto, an abutment on said fuselage adjacent the rearward edge of said opening, and resilient means for urging said shank upward and into engagement with said abutment when said chassis is in an intermediate position of its swing, said shank being of such length that, when said chassis is in an extreme downward position, said shank clears said abutment and is swingable through said opening into said fuselage.

2,408,355
CONCENTRIC LINE OSCILLATOR
Alfred H. Turner, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 29, 1942, Serial No. 428,665
5 Claims. (Cl. 250—36)



1. An oscillator comprising a vacuum tube having a cathode, a control grid and an anode, a tuned circuit having one terminal connected to said anode and having the ather terminal connected through a capacity element to said grid, and a second tuned circuit having one terminal connected to said cathode and having the other terminal connected through said capacity element to said grid whereby regenerative feedback is provided both by the anode-cathode capacity of said tube and by said capacity element.

2,408,356
SIGHTING MECHANISM
Waldo W. Willard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 20, 1931, Serial No. 524,193
57 Claims. (Cl. 33—46.5)

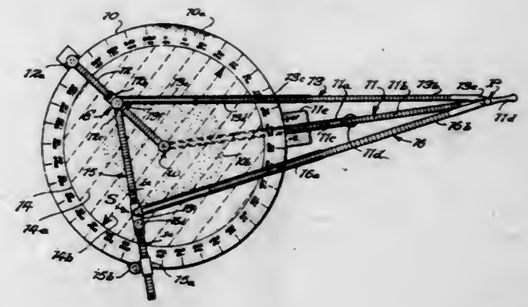


1. In sighting mechanism and the like for airplanes and like aircraft, a sighting device, a pair of spring members arranged to generate measured forces, means interposed between said spring members and said sighting device arranged to transmit and apply said measured forces to move said sighting device fore and aft and athwartship to maintain it on a target which has a substantially constant apparent linear velocity and means responsive to the fore and aft and athwartship coordinates of the angular position of said sighting device for controlling the forces applied by said spring members to move said sighting device so that constant settings in the forces applied by said spring members correspond to the fore and aft and athwartship components respectively of the target's apparent linear velocity.

7. Sighting mechanism comprising a sighting device, a gyroscope arranged to precess about a plurality of axes, a driving connection between said gyroscope and said sighting device so that the line of sight of said sighting device is maintained substantially parallel with the spin axis of said gyroscope, electric motors operably connected to apply precessing torques to precess said gyroscope about said axes and means for controlling said motors so as to apply measured precessing torques to said gyroscope.

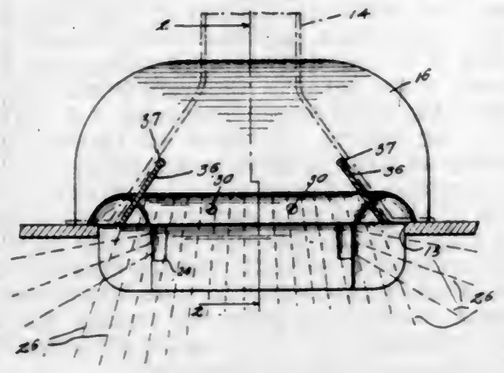
33. In sighting mechanism and the like, a sighting device arranged to be directed on a target and like object, means for moving said sighting device to maintain it directed on said target, means including mechanism operated responsively to the position of said sighting device for measuring the instantaneous magnitudes of the target's bearing with reference to a predetermined axis, means operated responsively to the operation of said means for moving said sighting device so as to measure the apparent direction of motion of said target with respect to the same predetermined axis and means controlled by both of said measuring means for comparing continuously the values of said bearing and said apparent direction of motion measured with reference to said predetermined axis.

2,408,357
NAVIGATION COMPUTER
Asher M. Wolfe, Bloomsburg, Pa.
Application July 6, 1944, Serial No. 543,677
16 Claims. (Cl. 33—76)



1. A navigation computer comprising, in combination, a compass rose, an extensile arm pivotally secured for rotation to the center of said compass rose, said arm being provided with a scale indicating speed, a second arm pivotally secured to the center of said compass rose for rotation, said second arm carrying a scale indicating wind velocity, and a second extensile arm pivoted at one end to the outer end of the first extensile arm and at the other end to an adjustable point on said second arm, said third arm carrying a scale indicating speed.

2,408,358
DISTRIBUTOR FOR STOKERS
Sheppard Boyd Yates, Hamlet, N. C.
Application May 7, 1945, Serial No. 592,358
2 Claims. (Cl. 110—105.5)

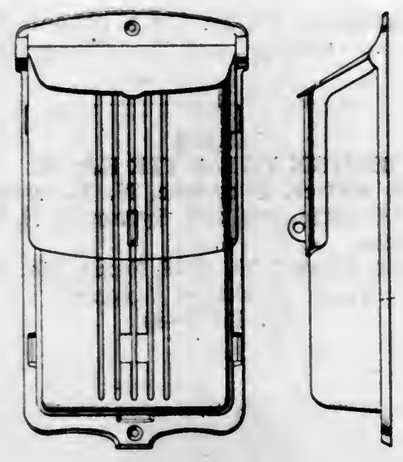


1. In a stoker, a coal distributing means for mounting in the feeding opening of a firebox, said means comprising a coal guiding plate formed with a horizontally disposed steam passage parallel with the forward edge of said plate and having a plurality of main jet openings in the forward edge communicating with said passage, a pair of oppositely disposed nozzles projecting forwardly from said plate and disposed forwardly of said main jet openings, said nozzles being disposed below said main jet openings and laterally of the outermost of said main jet openings, said nozzles being formed with a pair of jet openings arranged so as to project a substantial portion of the fuel at substantially right angles to the movement of fuel effected by the fluid discharged from said main jet openings whereby fuel will be discharged into the firebox adjacent the front wall thereof, a coal guiding member depending from the forward end of said plate and engaging the adjacent wall of the firebox, a pair of rearwardly extending arms carried by said guiding member, said plate having a pair of sockets in which said arms removably engage, a pair of locking members for locking said arms in said sockets, said guiding member being formed with recesses within which said nozzles engage whereby the upper surfaces of said nozzles will be substantially flush with the upper surface of said guiding member.

DESIGNS

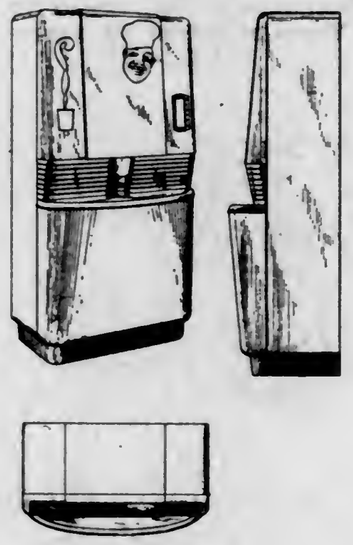
SEPTEMBER 24, 1946

145,608
DESIGN FOR A MAILBOX
Vytant Aleks, Rockford, Ill., assignor to Ebaloy, Incorporated, Rockford, Ill., a corporation of Illinois
Application January 18, 1946, Serial No. 125,679
Term of patent 7 years
(Cl. D74—9)



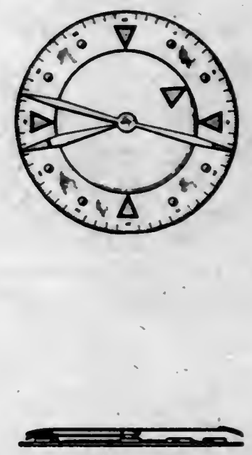
The ornamental design for a mailbox, substantially as shown.

145,609
DESIGN FOR A FOOD DISPENSING CABINET
Alfons Bach, Stamford, Conn., assignor to C. Earl Hovey, trustee, Kansas City, Mo.
Application December 18, 1945, Serial No. 124,816
Term of patent 14 years
(Cl. D52—3)



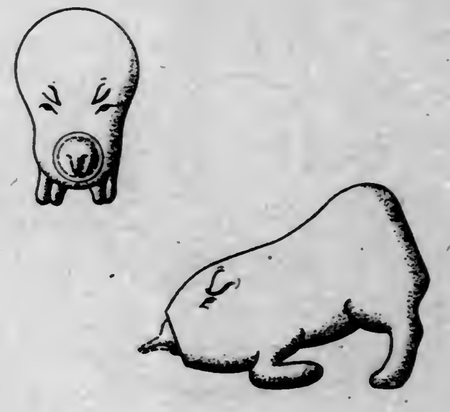
The ornamental design for a food dispensing cabinet, as shown.

145,610
DESIGN FOR A TIMEPIECE FACE
Stevan Banick, New York, N. Y.
Application June 7, 1946, Serial No. 130,482
Term of patent 14 years
(Cl. D42—3)



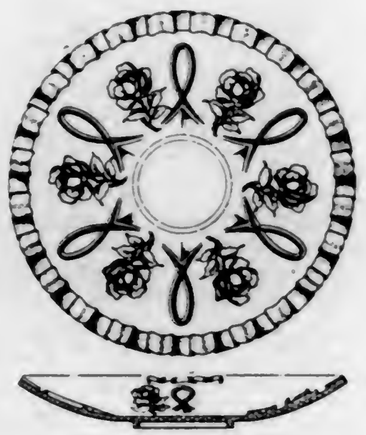
The ornamental design for a timepiece face, as shown.

145,611
DESIGN FOR A BOTTLE HOLDER
Easter M. Butterfield, Redondo Beach, Calif.
Application November 13, 1945, Serial No. 123,676
Term of patent 14 years
(Cl. D83—8)



The ornamental design for a bottle holder, as shown and described.

145,612
DESIGN FOR A PLATE
Charles W. Carlson, Tiffin, Ohio, assignor to United States Glass Company, Tiffin, Ohio, a corporation of Pennsylvania
Application November 8, 1944, Serial No. 116,218
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a plate, as shown.

145,613
DESIGN FOR A PLATE
Charles W. Carlson, Tiffin, Ohio, assignor to United States Glass Company, Tiffin, Ohio, a corporation of Pennsylvania
Application November 8, 1944, Serial No. 116,219
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a plate, as shown.

145,614
DESIGN FOR A BROOCH MOUNTED WATCH-CASE OR SIMILAR ARTICLE
Emanuel Deutsch, New York, N. Y.
Application March 15, 1946, Serial No. 127,564
Term of patent 14 years
(Cl. D42—8)



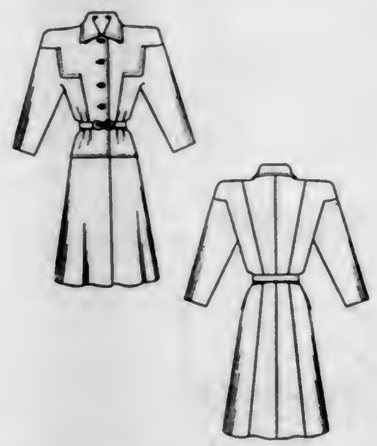
The ornamental design for a brooch mounted watchcase or similar article, substantially as shown.

145,615
DESIGN FOR A TIE RACK
Frederic H. Fisher, Syracuse, N. Y., assignor to Syracuse Ornamental Co., Syracuse, N. Y., a co-partnership
Application August 28, 1945, Serial No. 121,696
Term of patent 7 years
(Cl. D33—8)



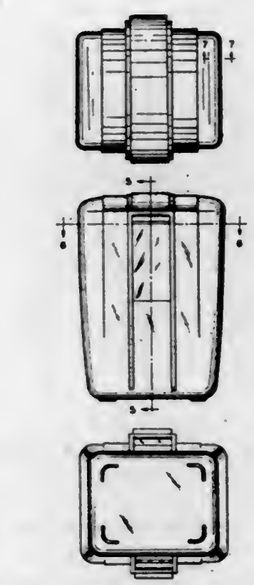
The ornamental design for a tie rack, substantially as shown.

145,616
DESIGN FOR A COAT
Jules Freedman, New York, N. Y.
Application June 6, 1946, Serial No. 130,461
Term of patent 3½ years
(Cl. D3—4)



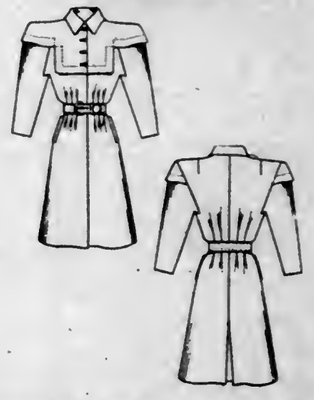
The ornamental design for a coat, substantially as shown.

145,617
DESIGN FOR A FOOD CANISTER
Albert J. Gerber, St. Louis, Mo., assignor to Gerber Plastic Co., St. Louis, Mo., a corporation of Missouri
Application November 1, 1945, Serial No. 123,388
Term of patent 7 years
(Cl. D58—17)



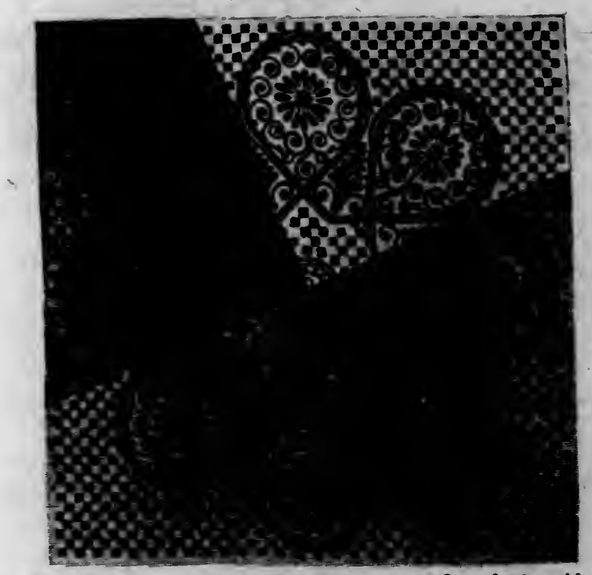
The ornamental design for a food canister, as shown.

145,618
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y.
Application June 4, 1946, Serial No. 130,402
Term of patent 3½ years
(Cl. D3—4)



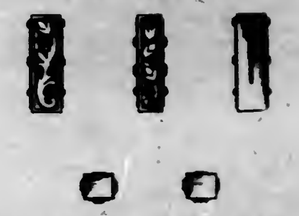
The ornamental design for a coat, substantially as shown.

145,619
DESIGN FOR A SCARF
Rose Gottschalk, New York, N. Y., assignor to Edgar C. Hyman Co., New York, N. Y., a firm composed of Edgar C. Hyman and Theresa M. Hyman
Application May 7, 1946, Serial No. 129,429
Term of patent 3½ years
(Cl. D3—12)



The ornamental design for a scarf, substantially as shown.

145,620
DESIGN FOR A LIPSTICK CASE OR SIMILAR ARTICLE
Elizabeth N. Graham, New York, N. Y.
Application March 21, 1946, Serial No. 127,727
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a lipstick case or similar article, substantially as shown.

145,621
DESIGN FOR A COMPACT OR SIMILAR ARTICLE
Elizabeth N. Graham, New York, N. Y.
Application March 21, 1946, Serial No. 127,728
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a compact or similar article, substantially as shown.

145,622
DESIGN FOR A SCARF
Margaret B. Graham, New York, N. Y., assignor to Edgar C. Hyman Co., New York, N. Y., a firm composed of Edgar C. Hyman and Theresa M. Hyman
Application April 23, 1946, Serial No. 128,889
Term of patent 3½ years
(Cl. D3—12)



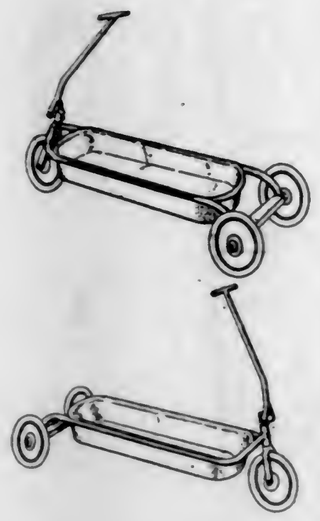
The ornamental design for a scarf, substantially as shown.

145,623
DESIGN FOR A DRESS
Lucy Hoshaflan, New York, N. Y.
Application December 5, 1945, Serial No. 124,361
Term of patent 7 years
(Cl. D3—26)



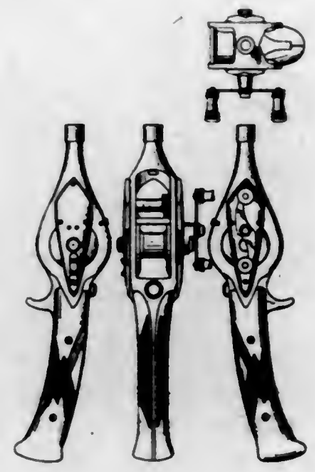
The ornamental design for a dress, substantially as shown.

145,624
DESIGN FOR A CHILD'S WHEELED VEHICLE
Edward C. Huebner, Detroit, Mich.
Application November 23, 1945, Serial No. 124,001
Term of patent 14 years
(Cl. D34—15)



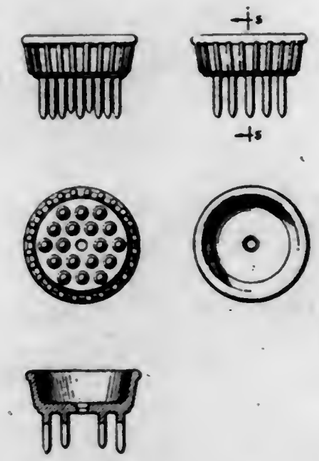
The ornamental design for a child's wheeled vehicle, substantially as shown.

145,625
DESIGN FOR A COMBINED FISHING REEL AND ROD SEAT
Edwin P. Hurd, Detroit, Mich., assignor to Hurd Lock & Manufacturing Company, a corporation of Michigan
Application November 3, 1945, Serial No. 123,434
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a combined fishing reel and rod seat, as shown.

145,626
DESIGN FOR A SCALP MASSAGER
Jewel K. Kahn, Hastings, Nebr., assignor to Raymond W. Kerr and Charlotte J. Kerr, copartners, doing business as R. W. Kerr Co., Hastings, Nebr.
Application November 1, 1945, Serial No. 123,386
Term of patent 14 years
(Cl. D83—1)



The ornamental design for a scalp massager, substantially as shown.

145,627
DESIGN FOR A TOY FIGURE
Henry M. Kass, Seattle, Wash.
Application November 19, 1945, Serial No. 123,896
Term of patent 7 years
(Cl. D34—4)



The ornamental design for a toy figure, substantially as shown.

145,628
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 126,835
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

145,629
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 126,836
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

145,630
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 126,837
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

145,631
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 126,839
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

145,632
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. N. Y., a corporation of New York
Application February 23, 1946, Serial No. 126,841
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

145,633
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 126,842
Term of patent 7 years
(Cl. D45—19)



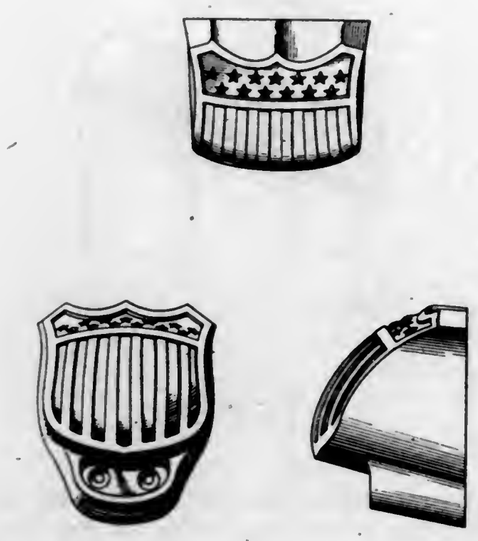
The ornamental design for a brooch or similar article, substantially as shown.

145,634
DESIGN FOR A FLUFFED YARN ANIMAL FIGURE
Victor J. Kritske and Jeanette M. Kritske, Sheboygan, Wis., assignors of one-half to William H. Murphy, Chicago, Ill.
Application May 23, 1945, Serial No. 119,691
Term of patent 14 years
(Cl. D34—2)



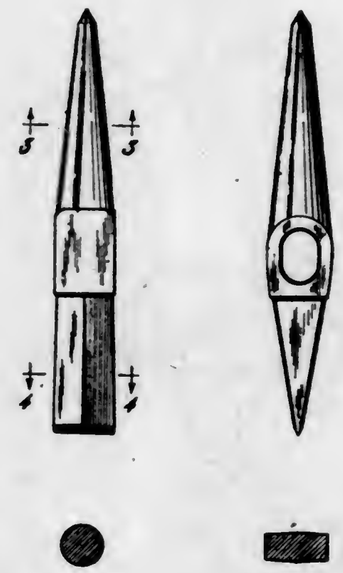
The ornamental design for a fluffed yarn animal figure, substantially as shown and described.

145,635
DESIGN FOR A BOTTLE OPENER
Fred O. Labich, Evanston, Ill.
Application November 29, 1945, Serial No. 124,177
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a bottle opener, as shown.

145,636
DESIGN FOR A CHIPPING HAMMER HEAD
Bernard L. McClure, Norwalk, Ohio
Application August 27, 1945, Serial No. 121,672
Term of patent 14 years
(Cl. D54—13)



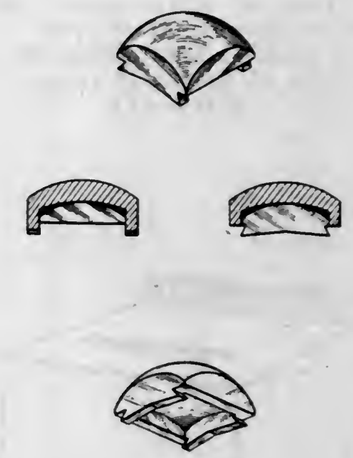
The ornamental design for a chipping hammer head, substantially as shown.

145,637
DESIGN FOR A BOOT
Charles J. Roos, Muskegon, Mich.
Application April 17, 1946, Serial No. 128,688
Term of patent 3½ years
(Cl. D7—4)



The ornamental design for a boot, as shown.

145,638
DESIGN FOR A MAGNIFYING LENS
Myer Rosenberg, Chicago, Ill.
Application December 20, 1945, Serial No. 124,897
Term of patent 14 years
(Cl. D57—1)



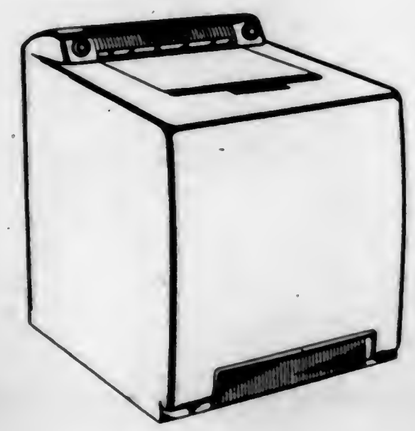
The ornamental design for a magnifying lens, as shown.

145,639
DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER OR SIMILAR ARTICLE
Carl W. Sundberg, Detroit, Mich., assignor to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York
Application September 19, 1945, Serial No. 122,172
Term of patent 7 years
(Cl. D49—1)

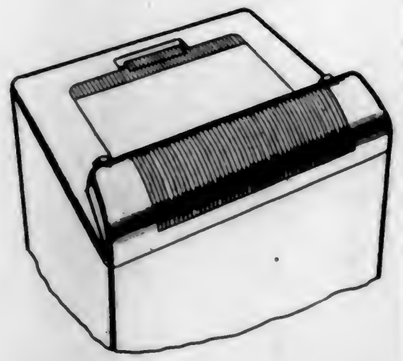


The ornamental design for a combined washing machine and wringer or similar article, as shown.

145,640
DESIGN FOR A CASING FOR WASHING MACHINES, DRYING MACHINES, OR THE LIKE
Carl W. Sundberg, Detroit, Mich., assignor to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York
Application June 24, 1944, Serial No. 114,186
Term of patent 14 years
(Cl. D49—1)



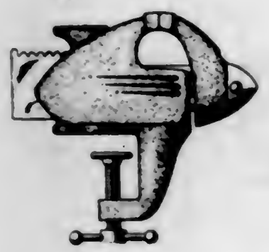
145,640—Continued



The ornamental design for a casing for washing machines, drying machines, or the like, as shown.

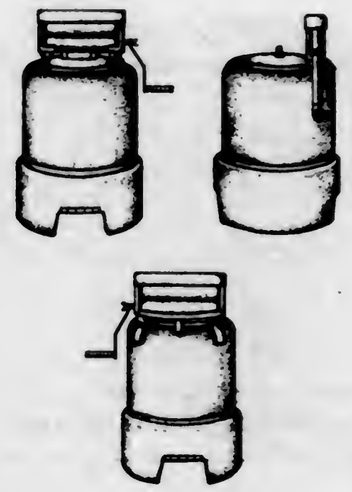
145,641
DESIGN FOR A VISE
John B. Thomson, Plandome, N. Y.
Application August 29, 1945, Serial No. 121,729
Term of patent 14 years
(Cl. D54—13)





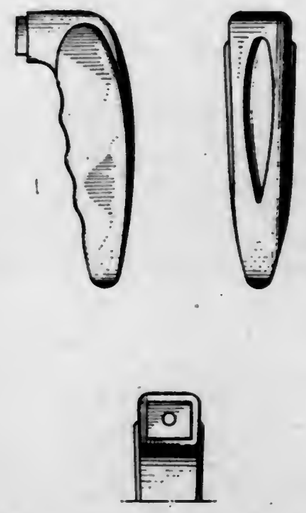
The ornamental design for a vise, as shown and described.

145,642
DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER OR SIMILAR ARTICLE
John H. Walter, Detroit, Mich., assignor to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York
Application September 19, 1945, Serial No. 122,171
Term of patent 7 years
(Cl. D49—1)



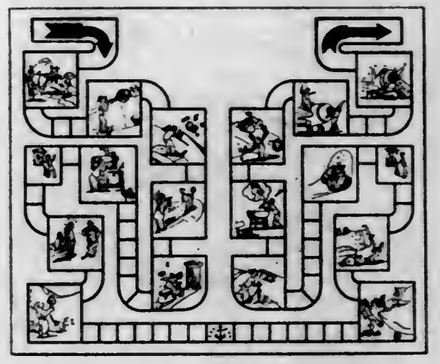
The ornamental design for a combined washing machine and wringer or similar article, as shown.

145,643
DESIGN FOR A HANDLE FOR COOKING UTENSILS
Robert B. Wemyss, Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application February 5, 1945, Serial No. 117,756
Term of patent 7 years
(Cl. D44—29)



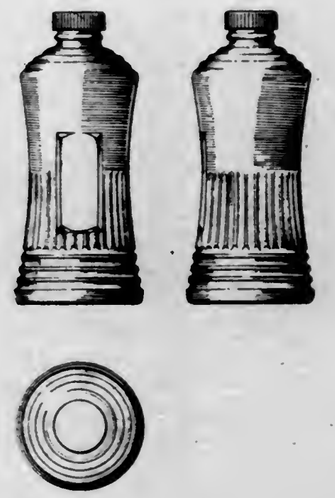
The ornamental design for a handle for cooking utensils, substantially as shown.

145,644
DESIGN FOR A GAME BOARD
William C. Wymer, United States Navy, Oregon City, Oreg.
Application September 20, 1945, Serial No. 122,193
Term of patent 3½ years
(Cl. D34—5)



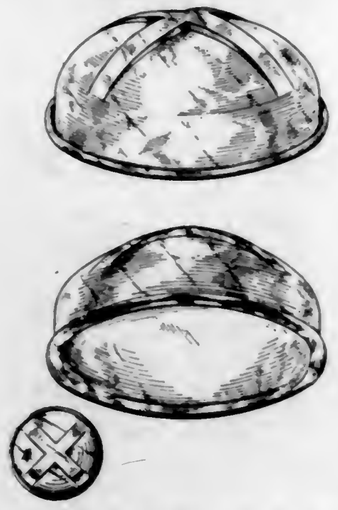
The ornamental design for a game board, substantially as shown and described.

145,645
DESIGN FOR A BOTTLE
Garland D. Runnels, New York, N. Y.
Application November 8, 1945, Serial No. 123,578
Term of patent 14 years
(Cl. D58—8)



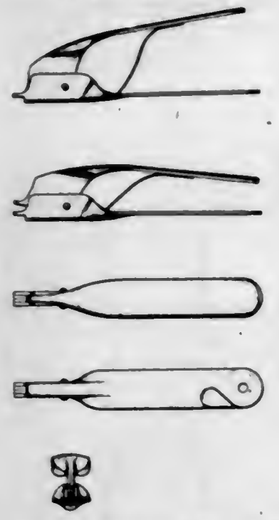
The ornamental design for a bottle, as shown.

145,646
DESIGN FOR A COVER FOR FOOD RECEPTACLES
Deane C. Severance, Walnut Park, Calif.
Application August 20, 1945, Serial No. 121,504
Term of patent 3½ years
(Cl. D44—1)



The ornamental design for a cover for food receptacles, substantially as shown.

145,647
DESIGN FOR A JAR AND BOTTLE CAP REMOVER
Bertram H. Stewart, New York, N. Y.
Application November 29, 1945, Serial No. 124,172
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a jar and bottle cap remover, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A-Q Mills, assignor to A. Q. Mills, Inc., Timmonsville, S. C. Fabrics in the piece. Serial No. 496,494; Sept. 24. Class 42.

A. Q. Mills, Inc.: *See*—
A-Q Mills.

Abbott Laboratories, North Chicago, Ill. Product for use in the treatment of neurosis. Serial No. 493,306; Sept. 24. Class 6.

Agerstrand Corporation, Muskegon, Mich. Agricultural implement. Serial No. 496,682; Sept. 24. Class 23.

American Pop Corn Company, Sioux City and Leeds Station, Sioux City, Iowa. Raw pop corn. Serial No. 499,683; Sept. 24. Class 46.

Andrews, J. Fred, doing business as Carolyn Fabrics, High Point, N. C. Piece goods of cotton, linen, wool, etc. Serial No. 478,737; Sept. 24. Class 42.

Arkwright, Incorporated, New York, N. Y. Cotton thread, embroidery floss, woolen yarns, etc. Serial No. 494,884; Sept. 24. Class 43.

Aviation Office Supplies, Inc., New York, N. Y. File cabinets. Serial No. 499,102; Sept. 24. Class 32.

Bailey, Phillip W., doing business as West Coast Stained Shingle Co., Seattle, Wash. Stained wood shingles. Serial No. 502,864; Sept. 24. Class 12.

Ballard & Ballard Co., Louisville, Ky. Bakers' bread flour, pastry maker flour, and bakers' cake flour. Serial No. 499,371; Sept. 24. Class 46.

Bay State Milling Company, Winona, Minn. Wheat flour. Serial No. 495,162; Sept. 24. Class 46.

Berwald, Bon J., Bay Shore, L. I., N. Y., assignor to R. T. Plate, Detroit, Mich. Mirror and lipstick all in one. Serial No. 487,821; Sept. 24. Class 6.

Beverly Hills Wine Company, Syracuse, N. Y. Wines. Serial No. 497,062; Sept. 24. Class 47.

Boosey & Hawkes Limited, London, England. Strings for musical instruments. Serial No. 488,887; Sept. 24. Class 36.

Brichta, Sander, doing business as Sander B Company, Phoenix, Ariz. Ant exterminator preparations. Serial No. 484,190; Sept. 24. Class 6.

Bristol Laboratories, Inc., Syracuse, N. Y. Pharmaceutical preparations. Serial No. 495,859; Sept. 24. Class 6.

Burns, Louis H., Kansas City, Mo. Protein hydrolysate. Serial No. 496,763; Sept. 24. Class 6.

Callaway Mills, La Grange, Ga. Woven cotton rugs. Serial No. 496,424; Sept. 24. Class 42.

Carolyn Fabrics: *See*—
Andrews, J. Fred.

Central Processors and Briners, Ellensburg, Wash. Canned fruits. Serial No. 493,535; Sept. 24. Class 46.

Charnas, Benjamin, Forest Hills, Long Island, N. Y. Bowl covers, toaster covers, platter covers, etc. Serial No. 477,969; Sept. 24. Class 50.

Clown Comics, Inc., New York, N. Y. Comic cartoon periodical. Serial No. 490,578; Sept. 24. Class 38.

Coeur Dame Laboratories: *See*—
Klein, Franz.

Consolidated Cosmetics, Chicago, Ill. Perfume, hand lotion, liquid brilliantine, and hair tonic. Serial No. 496,688; Sept. 24. Class 6.

Consolidated Cosmetics, Chicago, Ill. Sachets, hair pins, bobby pins, etc. Serial No. 497,071; Sept. 24. Class 40.

Corning Glass Works, Corning, N. Y. Glass tubing and rod. Serial No. 468,440; Sept. 24. Class 33.

Dan River Mills: *See*—
Riverside & Dan River Cotton Mills, Inc.

Dejur-Amsco Corporation, Long Island City, N. Y. Photographic enlargers and accessories therefor. Serial No. 489,718; Sept. 24. Class 26.

De Laval Separator Company, The, New York, N. Y. Industrial centrifuges. Serial No. 499,320; Sept. 24. Class 23.

Dexterous Engineering Co., Inc., Chicago, Ill. Automotive stands of the steel horse type. Serial No. 498,123; Sept. 24. Class 23.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. Serial No. 492,315; Sept. 24. Class 37.

Doerr, Adolph F., Chicago, Ill. Sandwiches, ice cream, and candies. Serial No. 491,706; Sept. 24. Class 46.

Duramold Aircraft Corporation, New York, N. Y. Molded laminated receptacles. Serial No. 490,013; Sept. 24. Class 2.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Column or section in a periodical publication. Serial No. 493,106; Sept. 24. Class 38.

Edroy Products Company: *See*—
Herbert, Edward J.

Elliott-Drugs: *See*—
Elliott, Morris E.

Elliott, Morris E., doing business as Elliott-Drugs, Connersville, Ind. Mouth wash and gargle. Serial No. 472,191; Sept. 24. Class 6.

Emtee Slacks, Inc., New York, N. Y. Slacks, polo shirts, sport coats, etc. Serial No. 497,378; Sept. 24. Class 39.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 493,057; Sept. 24. Class 38.

Fieullien, Henriette Hotermans, Brussels, Belgium. Perfumery. Serial No. 488,084; Sept. 24. Class 6.

Firestone Tire & Rubber Company, The, Akron, Ohio. Partly prepared sponge rubber padding, sheets, and blocks of sponge rubber and rubber substitutes. Serial No. 492,433; Sept. 24. Class 1.

Floor Covering Co., assignor to Floor Coverings, Inc., New York, N. Y. Rugs and carpets. Serial No. 487,316; Sept. 24. Class 42.

Floor Coverings, Inc., assignee: *See*—
Floor Covering Co.

Franek, Eugene P., doing business under the name Franek's Wholesale Liquor, New Orleans, La. Wine. Serial No. 500,071; Sept. 24. Class 47.

Franek's Wholesale Liquor: *See*—
Franek, Eugene P.

Galewski, A., & Sons, Inc., New York, N. Y. Trunks, suitcases, valises, etc. Serial No. 485,407; Sept. 24. Class 3.

General Desserts Corporation, New York, N. Y. Gelatine desserts. Serial No. 489,862; Sept. 24. Class 46.

General Implement Corporation, Cleveland, Ohio. Corn shellers, disk harrows, and lime sowers. Serial No. 490,427; Sept. 24. Class 23.

Ghirardelli, D., Co., San Francisco, Calif. Ground chocolate and cocoa. Serial No. 499,834; Sept. 24. Class 46.

Gonzalez, Ramon, & Co., [Sociedad en Comandita]: *See*—
Gutierrez, Ramon Gonzalez y.

Grand Union Company, The, New York, N. Y. Furniture polish and floor wax. Serial No. 496,698; Sept. 24. Class 16.

Grant Photo Products, Inc., New York, N. Y. Mounted photographs. Serial No. 494,216; Sept. 24. Class 38.

Griess-Pfleger Tanning Co., The, Waukegan, Ill. Shoe side upper leather. Serial No. 492,436; Sept. 24. Class 1.

Gutierrez, Ramon Gonzalez y, doing business as Ramon Gonzalez & Co. (Sociedad en Comandita), Habana, Cuba. Cigars. Serial No. 481,894; Sept. 24. Class 17.

Hale Bros. Stores, Inc., San Francisco, Calif. Muslin sheets, bedspreads, napkins, etc. Serial No. 487,944; Sept. 24. Class 42.

Hall Brothers Incorporated, Kansas City, Mo. Greeting cards. Serial No. 499,836; Sept. 24. Class 38.

Heineke & Company, Springfield, Ill. Lawn mowers. Serial No. 499,134; Sept. 24. Class 23.

Henry, J. T., Manufacturing Co., The, Hamden, Conn. Pruning and lopping shears. Serial No. 499,135; Sept. 24. Class 23.

Henry, Patrick, Publications Inc., New York, N. Y. Magazines. Serial No. 499,503; Sept. 24. Class 38.

Herbert, Edward J., doing business as Edroy Products Company, New York, N. Y. Magnifying glass. Serial No. 484,893; Sept. 24. Class 26.

Hood Chemical Company, Inc., New York, N. Y. Household cleaner. Serial No. 496,911; Sept. 24. Class 4.

Huber, J. M., Inc., New York, N. Y. Vulcanizable composition. Serial No. 495,385; Sept. 24. Class 1.

Improved Products Inc., Los Angeles, Calif. Powder base for making imitation banana-flavored pudding. Serial No. 499,628; Sept. 24. Class 46.

Kenosha Full Fashioned Mills, Inc., Kenosha, Wis. Ladies' hosiery, slips, panties, etc. Serial No. 499,631; Sept. 24. Class 39.

Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Portable hand fire extinguishers; wheeled portable hand operated fire extinguishing units; fire extinguishing apparatus, etc. Serial No. 485,289; Sept. 24. Class 23.

King Quality Products Co., Indianapolis, Ind. Automotive and aircraft engine parts. Serial No. 487,472; Sept. 24. Class 23.

Klein, Franz, doing business as Coeur Dame Laboratories, Newark, N. J. Night skin cream, cold cream, cleansing cream, etc. Serial No. 492,713; Sept. 24. Class 6.

Knox Company, The, Los Angeles, Calif. Preparation indicated in and for the care, comfort, hygiene, and treatment of the eyes. Serial No. 496,449; Sept. 24. Class 6.

Koret of California, Inc., San Francisco, Calif. Girls' and women's skirts, blouses, outer shorts, etc. Serial No. 495,807; Sept. 24. Class 39.

Lavinsky, Moses. Medford, N. J. Piece goods. Serial No. 495,975; Sept. 24. Class 42.

Lindsey, Earl, doing business as Rodeo Cowboys Association, Fort Worth, Tex. Magazine. Serial No. 488,226; Sept. 24. Class 38.
Loeb & Hoch, Inc., New York, N. Y. Ladies', misses' and junior misses', coats and suits. Serial No. 500,096; Sept. 24. Class 39.
Mackenzie, Duncan, Company: *See*— Mackenzie, Duncan R.
Mackenzie, Duncan R., doing business as Duncan Mackenzie Company, New York, N. Y. Compound for washing woolens. Serial No. 496,849; Sept. 24. Class 4.
Malbrough, Ira D., Jr., Chicago, Ill. Golf balls. Serial Nos. 504,914–16; Sept. 24. Class 22.
Mark, Clayton, & Company, Evanston, Ill. Unions for connecting pipes or rods and union check valves. Serial No. 474,081; Sept. 24. Class 13.
Markwell Mfg. Co., Inc., New York, N. Y. Staples. Serial No. 494,566; Sept. 24. Class 13.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Vitamin capsule. Serial No. 496,650; Sept. 24. Class 6.
Micrometal Company, Ferndale, Mich. Dimension measuring apparatus in the nature of snap gauges and the like. Serial No. 481,189; Sept. 24. Class 26.
Miles Laboratories, Inc., Elkhart, Ind. Sedative in effervescent and/or liquid form. Serial No. 493,564; Sept. 24. Class 6.
Minchenberg, Alfred S., New York, N. Y. Ladies', misses', junior misses', and girls' dresses, blouses, slacks, etc. Serial No. 500,013; Sept. 24. Class 39.
Minneapolis Star Journal and Tribune Company, South Minneapolis, Minn. Section, department, or column in newspapers. Serial No. 499,909; Sept. 24. Class 38.
Modern Plastics, Inc., New York, N. Y. Section in a weekly publication. Serial No. 495,753; Sept. 24. Class 38.
National Technical Laboratories, South Pasadena, Calif. Electric variable resistors and radio-type potentiometers. Serial No. 490,325; Sept. 24. Class 21.
Notek Electric Company Limited, Kent, England. Electric lamps. Serial No. 491,041; Sept. 24. Class 21.
Novocol Chemical M'f'g. Co., Inc., Brooklyn, N. Y. Medicaments. Serial No. 492,947; Sept. 24. Class 6.
Optimist International, St. Louis, Mo. Printed membership badges, membership cards, printed charters, etc. Serial No. 461,023; Sept. 24. Class 38.
Palay, S. T., Textile Corporation, New York, N. Y. Crease resistant fabrics. Serial No. 489,748; Sept. 24. Class 42.
Paper Package Company, Indianapolis, Ind. Transparent boxes composed of cellulose acetate. Serial No. 496,100; Sept. 24. Class 2.
Paxton, Floyd G., doing business as Paxton Products Company, Riverside, Calif. Paper plant covers. Serial No. 477,979; Sept. 24. Class 37.
Paxton Products Company: *See*— Paxton, Floyd G.
Pettibone Mulliken Corporation, Chicago, Ill. Crushing and pulverizing machinery and parts thereof. Serial No 481,753; Sept. 24. Class 23.
Pictoriads, New York, N. Y. Photographs. Serial No. 499,798; Sept. 24. Class 38.
Plate, Robert T., assignee: *See*— Berwald, Bon J.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Flower seeds, vegetable seeds, and grass seeds. Serial No. 488,416; Sept. 24. Class 1.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Hose reels, clothes hampers, vacuum bottles, etc. Serial No. 488,417; Sept. 24. Class 2.
Post, Frederick, Company, The, Chicago, Ill. Light-sensitized paper for producing diazotype prints of the type capable of development in ammonia gas. Serial No. 495,023; Sept. 24. Class 26.
Premium Service Co. Inc. The, New York, N. Y. Periodical. Serial No. 499,730; Sept. 24. Class 38.
Richman, J., & Company, New York, N. Y. Textile fabrics. Serial No. 477,528; Sept. 24. Class 42.
Riverside & Dan River Cotton Mills, Inc., doing business as Dan River Mills, Danville, Va. Florist's twine. Serial No. 501,281; Sept. 24. Class 7.
Rodeo Cowboys Association: *See*— Lindsey, Earl.
Rosenau Brothers, Philadelphia, Pa. Girls' dresses. Serial No. 482,258; Sept. 24. Class 39.
Roth Fabrics Corporation, New York, N. Y. Rayon fabric in the piece. Serial No. 479,214; Sept. 24. Class 42.
Roycemore Toiletries, Inc., Chicago, Ill. Cologne and shampoo. Serial No. 492,098; Sept. 24. Class 6.
Sander B Company: *See*— Brichta, Sander.
Sapolin Co. Inc., New York, N. Y. Aluminum paints and other rust inhibiting paints. Serial No. 496,668; Sept. 24. Class 16.
Sapphire Hosiery Company, Philadelphia, Pa. Hosiery. Serial No. 496,104; Sept. 24. Class 39.
Scheidt, Adam, Brewing Company, Norristown, Pa. Ginger ale, root beer, orange soda, etc. Serial No. 481,439; Sept. 24. Class 45.
Shaw, Munson G., Co., New York, N. Y. Wines. Serial No. 498,865; Sept. 24. Class 47.
Sheldon Electric Co., Inc., Irvington, N. J. Fluorescent starter switches, electric rectifier bulbs, and radio tubes. Serial No. 487,281; Sept. 24. Class 21.
South Texas Cotton Oil Company, Houston, Tex. Oleaginous compound constituting a shortening and a substitute for lard. Serial No. 489,616; Sept. 24. Class 46.
Stahl-Meyer, Inc., Brooklyn, N. Y. Canned meat. Serial No. 496,994; Sept. 24. Class 46.
Students' Magazines Inc., Chicago, Ill. Publication. Serial No. 499,737; Sept. 24. Class 38.
Taylor, James O., Tulsa, Okla. Loose popped corn, the popped kernels being coated by dipping in a cheese and honey solution. Serial No. 498,730; Sept. 24. Class 46.
Teen Timer Laboratories Co., Inc., New York, N. Y. Perfumes, colognes, deodorants, etc. Serial No. 493,152; Sept. 24. Class 6.
Thomas Textile Service Co., Philadelphia, Pa. Collar canvas. Serial No. 493,700; Sept. 24. Class 42.
Thomas Textile Service Co., Philadelphia, Pa. Collar canvas. Serial No. 493,703; Sept. 24. Class 42.
Tru-Air Violet Products Company, Los Angeles, Calif. Germicidal lamps. Serial No. 485,895; Sept. 24. Class 44.
UBC Distributors, Incorporated, Chicago, Ill. Canned dog food. Serial No. 499,673; Sept. 24. Class 46.
U. S. Paint, Lacquer & Chemical Co., St. Louis, Mo. Ready-mixed paints. Serial No. 492,973; Sept. 24. Class 16.
Vaco Products Company, Chicago, Ill. Steel hand tools. Serial No. 502,776; Sept. 24. Class 23.
Vascoloy-Ramet Corporation, North Chicago, Ill. Machine tools and parts of tools for working and cutting metal and other materials. Serial No. 488,717; Sept. 24. Class 23.
Volk, Kurt, New York, N. Y. Electric automatically controlled apparatus. Serial No. 494,146; Sept. 24. Class 26.
Wehringer, Herman H., Upper Montclair, N. J. Reels for electric cord, cable, and other flexible linear material. Serial No. 502,092; Sept. 24. Class 2.
Weisman, Sam L., New York, N. Y. Toys. Serial No. 487,489; Sept. 24. Class 22.
Wells Manufacturing Company, Dayton, Ohio. Lawn sprinklers. Serial No. 496,999; Sept. 24. Class 13.
West Coast Stained Shingle Co.: *See*— Bailey, Phillip W.
Wetherholt's Perfume Co., Chicago, Ill. Perfume and cologne. Serial No. 490,722; Sept. 24. Class 6.
Wolf, J. F., Cranford, N. J. Folding tables. Serial No. 492,300; Sept. 24. Class 32.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Nutritive preparations. 424,224; Sept. 24; Serial No. 496,293; published July 2, 1946. Class 6.
Abco, Inc., New York, N. Y., and San Antonio, Tex. Piece goods. 424,172; Sept. 24; Serial No. 491,225; published July 2, 1946. Class 42.
Adamson, Baeder, Company, Boston, Mass., to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Cloth or paper backed abrasives. 212,871; renewed 18, 1946. O. G. Sept. 24. Class 4.
Affiliated Clothiers, Inc., New York, N. Y. Certain articles of clothing for men and boys. 215,661; renewed July 20, 1946. O. G. Sept. 24. Class 39.
Akhtar, Jamil, doing business as Taj Perfume Company, Detroit, Mich. Incense. 424,139; Sept. 24; Serial No. 476,897; published July 2, 1946. Class 6.
American Agricultural Chemical Company, The: *See*— American Agricultural Chemical Co., The.
American Agricultural Chemical Co., The, to The American Agricultural Chemical Company, New York, N. Y. Certain named fertilizers. 52,391; re-renewed May 8, 1946. O. G. Sept. 24. Class 10.
American Chemical Manufacturing & Mining Company, Rochester, to The Best Foods, Inc., New York, N. Y. Shoe-polish. 54,769; re-renewed July 31, 1946. O. G. Sept. 24. Class 4.
American Chemical Manufacturing & Mining Company, Rochester, to The Best Foods, Inc., New York, N. Y. Polishing-brushes and daubers for shoe-polish. 56,223; re-renewed Sept. 4, 1946. O. G. Sept. 24. Class 29.
American Oil Company, The, Baltimore, Md. Oil burners for heating equipment. 424,214; Sept. 24; Serial No. 495,563; published July 9, 1946. Class 34.
American Tobacco Company, The: *See*— Nestor Gianaclis Company. Vallens, Eugene, & Co.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton and thread. 54,861; re-renewed July 31, 1946. O. G. Sept. 24. Class 43.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-cotton, and thread. 54,863; re-renewed July 31, 1946. O. G. Sept. 24. Class 43.

Anaconda Copper Mining Company, New York, N. Y., to Anaconda Copper Mining Company, Butte, Mont. Certain wire and cable and bus bars, etc. 218,368; renewed Sept. 28, 1946. O. G. Sept. 24. Class 21.
Anaconda Copper Mining Company, New York, N. Y., to Anaconda Copper Mining Company, Butte, Mont. Certain nonferrous metals, castings, and alloys. 218,526; renewed Sept. 28, 1946. O. G. Sept. 24. Class 14.
Anaconda Copper Mining Company, New York, N. Y., to Anaconda Copper Mining Company, Butte, Mont. Brasspipes, bronze seamless tubes, cupronickel tubes, etc. 218,527; renewed Sept. 28, 1946. O. G. Sept. 24. Class 13.
Anglock Container Engineering Co., Portland, Oreg. Cardboard, fiberboard, and wooden packing boxes. 424,262; Sept. 24. Class 2.
Anheuser-Busch, Inc., St. Louis, Mo. A certain described malt beverage. 218,959; renewed Oct. 5, 1946. O. G. Sept. 24. Class 48.
Arguto Oilless Bearing Co.: *See*— Mellor, Norman.
Atkinson, F. R., Spring Company, Inc., Hamburg, N. Y. Springs for use in upholstery. 218,735; renewed Oct. 5, 1946. O. G. Sept. 24. Class 32.
Bailey, Prihoda & Company, Kalamazoo, Mich. Estrogenic hormone skin cream. 424,194; Sept. 24; Serial No. 493,724; published July 2, 1946. Class 6.
Bayard, Elsie M., Evanston, Ill. Shampoo. 424,238; Sept. 24; Serial No. 497,642; published June 25, 1946. Class 6.
Beacon Oil Company, to Colonial Beacon Oil Company, Boston, Mass. Gasoline. 216,052; renewed Aug. 3, 1946. O. G. Sept. 24. Class 15.
Begley, George, Jr., doing business as Parfum Dalmora, Chicago, Ill. Perfume and cologne. 424,143; Sept. 24; Serial No. 481,046; published June 26, 1945. Class 6.
Belch, Paul F., Company, Bloomington, Ill. Candy. 53,761; re-renewed June 12, 1946. O. G. Sept. 24. Class 46.
Belch, Paul F., Company, Bloomington, Ill. Candy. 217,674; renewed Sept. 14, 1946. O. G. Sept. 24. Class 46.
Bendix Aviation Corporation: *See*— Pioneer Instrument Company.
Bergere Company: *See*— Gordon, George.
Best & Co. Inc., New York, N. Y. Women's and misses' sleeping garments. 424,252; Sept. 24. Class 39.
Best, Eben, Edinburg, Tex. Medicine in the treatment of gummosis and scalebark on citrus trees. 424,204; Sept. 24; Serial No. 494,594; published June 25, 1946. Class 6.
Best Foods, Inc., The: *See*— American Chemical Manufacturing & Mining Company. "Force" Food Company, The. Hecker-H-O Company, Inc. H-O (Hornby's Oatmeal) Company, The.
Biolos, Morris, doing business as C-X Laboratories, New York, N. Y. Medical preparations to relieve headaches and neuralgia. 424,216; Sept. 24; Serial No. 495,951; published June 25, 1946. Class 6.
Blue Ribbon Paint Co., Wheeling, W. Va. Porch and floor paints. 219,524; renewed Oct. 19, 1946. O. G. Sept. 24. Class 16.
Boston Confectionery Company, Cambridge, to Cynthia Sweets Company, East Boston, Mass. Confectionery. 193,043; renewed Dec. 16, 1944. O. G. Sept. 24. Class 46.
Bradham, Caleb D., Newbern, N. C., to Pepsi-Cola Company, Long Island City, N. Y. Non-alcoholic tonic beverages. 51,959; re-renewed May 1, 1946. O. G. Sept. 24. Class 45.
Branch, James, & Sons, Limited, London, to James Branch & Sons Limited, Kingsthorpe, Northhampton, England. Boots, shoes, and slippers. 213,555; renewed June 1, 1946. O. G. Sept. 24. Class 39.
Breeze Corporations, Inc., Newark, N. J. Casings. 424,182; Sept. 24; Serial No. 492,615; published June 25, 1946. Class 21.
Bright Star Battery Company: *See*— Bright Star Battery Co.
Bright Star Battery Co., doing business as Eclipse Battery Co., Hoboken, to Bright Star Battery Company, Clifton, N. J. Electric batteries. 214,606; renewed June 29, 1946. O. G. Sept. 24. Class 21.
Bristol-Myers Company, New York, N. Y. Preparation for the care and treatment of the hair and scalp. 424,141; Sept. 24; Serial No. 490,735; published July 2, 1946. Class 6.
Bryan Full Fashioned Mills, Chattanooga, Tenn. Hosiery. 424,256; Sept. 24. Class 39.
Buxton, Incorporated, Springfield, Mass. Purses and pocketbooks. 218,545; renewed Sept. 28, 1946. O. G. Sept. 24. Class 3.
C-A-Wood Preserver Company, St. Louis, Mo. Wood-preserving compounds. 218,236; renewed Sept. 14, 1946. O. G. Sept. 24. Class 6.
C-X Laboratories: *See*— Biolos, Morris.
Capewell Horse Nail Company, The, to The Capewell Manufacturing Corporation, Hartford, Conn. Horsenails. 56,605; re-renewed Oct. 9, 1946. O. G. Sept. 24. Class 13.
Capewell Manufacturing Corporation, The: *See*— Capewell Horse Nail Company, The.
Capson Hat Company, Inc., New York, N. Y., and Fall River, Mass. Men's hats. 424,258; Sept. 24. Class 39.
Cavander's, Limited, London, England. Cigarettes. 212,924; renewed May 18, 1946. O. G. Sept. 24. Class 17.
Celanese Corporation of America, assignee: *See*— Tubize Rayon Corporation.
Chaffard & Couderc, Salon, Bouches-du-Rhone, France, to F. Couderc, Marseille, France. Olive oil. 52,244; re-renewed May 1, 1946. O. G. Sept. 24. Class 46.
Cheney Brothers, South Manchester, Conn. Printed and piece dyed silks. 53,912; re-renewed June 12, 1946. O. G. Sept. 24. Class 42.
Chicago Copper & Chemical Company, Blue Island, Ill. Chemical compound. 424,197; Sept. 24; Serial No. 494,306; published July 2, 1946. Class 6.
Ciba Pharmaceutical Products, Inc., Summit, N. J. Medicinal preparation. 424,241; Sept. 24; Serial No. 499,116; published July 2, 1946. Class 6.
Circle F Mfg. Co., to Circle F Mfg. Co., Trenton, N. J. Certain named electrical appliances. 218,681; renewed Sept. 28, 1946. O. G. Sept. 24. Class 21.
Cleveland Varnish Company, The, to The Cleveland Varnish Company, Cleveland, Ohio. Lacquers. 213,077; renewed May 18, 1946. O. G. Sept. 24. Class 16.
Cohen, Goldman & Co., Inc., New York, N. Y. Men's, boys', and children's outer garments. 424,248; Sept. 24. Class 39.
Cohn-Hall-Marx Co., New York, N. Y. Certain named fabrics and piece goods. 212,105; renewed Apr. 27, 1946. O. G. Sept. 24. Class 42.
Collier, P. F., & Son, to The Crowell-Collier Publishing Company, New York, N. Y. Weekly illustrated magazine. 55,055; re-renewed Aug. 7, 1946. O. G. Sept. 24. Class 38.
Colonial Beacon Oil Company: *See*— Beacon Oil Company.
Consolidated Cosmetics, Chicago, Ill. Insecticides. 424,189; Sept. 24; Serial No. 493,326; published June 25, 1946. Class 6.
Couderc, Fernand: *See*— Chaffard & Couderc.
Cowles Detergent Company, The, Cleveland, Ohio. Calcium hypochlorite. 424,215; Sept. 24; Serial No. 495,867; published July 2, 1946. Class 6.
Crowell-Collier Publishing Company, The: *See*— Collier, P. F., & Son.
Crown Cork & Seal Company, Inc., Baltimore, Md. Machines for applying closures to glass or metal containers. 424,186; Sept. 24; Serial No. 493,046; published June 25, 1946. Class 23.
Cumberland Cloth Company Limited, The, Huddersfield and Workington, England. Piece goods. 424,142; Sept. 24; Serial No. 480,978; published June 11, 1946. Class 42.
Cummins Engine Company, to Cummins Engine Company, Inc., Columbus, Ind. Internal-combustion engine. 214,074; renewed June 15, 1946. O. G. Sept. 24. Class 23.
Cummins Engine Company, Inc.: *See*— Cummins Engine Company.
Cynthia Sweets Company: *See*— Boston Confectionery Company.
D. D. D. Company, Chicago, to D. D. D. Corporation, Batavia, Ill. Medicine for eczema and other skin diseases. 56,747; re-renewed Oct. 16, 1946. O. G. Sept. 24. Class 6.
D. D. D. Corporation: *See*— D. D. D. Company.
Daird Traum Company, Incorporated: *See*— Dritz-Traum Company, Inc.
Day-Brite Lighting, Inc.: *See*— Day-Brite Reflector Company.
Day-Brite Reflector Company, to Day-Brite Lighting, Inc., St. Louis, Mo. Complete electric-lighting units and fixtures and parts thereof. 219,550; renewed Oct. 19, 1946. O. G. Sept. 24. Class 21.
Diamond Power Specialty Corporation, Detroit, Mich. Appliances for cleaning boilers. 214,540; renewed June 29, 1946. O. G. Sept. 24. Class 23.
Doerman Shoe Mfg. Co., to Doerman Shoe Mfg. Co., So. Milwaukee, Wis. Leather shoes. 218,244; renewed Sept. 21, 1946. O. G. Sept. 24. Class 39.
Dow Chemical Company, The, Midland, Mich. Insecticidal compositions. 215,273; renewed July 13, 1946. O. G. Sept. 24. Class 6.
Dr. Hess & Clark, Inc., Ashland, Ohio. Rodenticide. 424,240; Sept. 24; Serial No. 498,896; published June 25, 1946. Class 6.
Dritz-Traum Company, Inc., New York, N. Y., now by change of name Daird Traum Company, Incorporated. Bag pulls and clips. 424,140; Sept. 24; Serial No. 479,381; published July 2, 1946. Class 40.
Dunlap & Co., New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Hats, caps, and bonnets. 56,639; re-renewed Oct. 16, 1946. O. G. Sept. 24. Class 39.

Dupuy, James R., doing business as Memphis Chemical Co., Memphis, Tenn. Medicinal preparation. 424,150; Sept. 24; Serial No. 487,074; published June 25, 1946. Class 6.

Dyna Tackle Company, Dallas, Tex. Artificial casting lures and fly rod lures. 424,242; Sept. 24; Serial No. 490,126; published July 9, 1946. Class 22.

Dynamic Razor Blade Company: *See*—
Segelman, Jacob P.

Eastern Carbon Black Company, to United Carbon Company, Inc. (Maryland), Charleston, W. Va. Carbon black. 215,466; renewed July 20, 1946. O. G. Sept. 24. Class 1.

Eclipse Battery Co.: *See*—
Bright Star Battery Co.

Elkon Works, Inc., Weehawken, N. J., to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric-current rectifiers, rectifier units, battery eliminators, etc. 218,871; renewed Oct. 5, 1946. O. G. Sept. 24. Class 21.

Ellison & Spring, Inc., New York, N. Y. Table cloths, table covers, napkins, etc. 424,185; Sept. 24; Serial No. 492,828; published July 2, 1946. Class 42.

Elmo Sales Corporation, Philadelphia, Pa. Perfume, cologne, bath powder, and sachet powder. 424,179; Sept. 24; Serial No. 492,368; published June 25, 1946. Class 6.

Endo Products Inc., New York, N. Y. Medicinal preparation used for amebacidal infection. 424,209; Sept. 24; Serial No. 495,281; published June 25, 1946. Class 6.

English Needle & Fishing Tackle Company, Limited, The: *See*—
Milward, Henry, & Sons, Limited.

Etablissements Rigaud, Inc.: *See*—
Laboratoire de Pharmacologie, Inc.

Fagersta Bruks Aktiebolag, Fagersta, Sweden. Rolled, drawn, and forged iron and steel. 213,827; renewed June 8, 1946. O. G. Sept. 24. Class 14.

Finkl, A., & Sons Company, Chicago, Ill. Steel dies and machine parts. 424,200–1; Sept. 24; Serial Nos. 494,491–2; published June 25, 1946. Class 23.

Finkl, A., & Sons Company, Chicago, Ill. Hardened and tempered steel dies and machine parts. 424,202; Sept. 24; Serial No. 494,493; published June 25, 1946. Class 23.

"Force" Food Company, The, to The Best Foods, Inc., New York, N. Y. Cooked and flaked wheat. 55,816; re-renewed Aug. 21, 1946. O. G. Sept. 24. Class 46.

G and G Super Foot Remedy: *See*—
Gisondi, August H.

Gellman Manufacturing Company, Rock Island, Ill. Domestic sewing machines. 424,198; Sept. 24; Serial No. 494,322; published July 2, 1946. Class 23.

General Aniline & Film Corporation, New York, N. Y. Chemicals and preparations and compounds thereof. 424,154; Sept. 24; Serial No. 487,673; published June 25, 1946. Class 6.

General Biochemicals, Inc., Chagrin Falls, Ohio. Alpha tocopherol, carotene, inositol, etc. 424,231; Sept. 24; Serial No. 496,956; published July 2, 1946. Class 6.

Gilbert, S. L., Company, Inc., New York, N. Y. Knitted bathing suits, sweaters, jackets, etc. 424,275; Sept. 24. Class 39.

Gill Leather Company Salem, Mass. Leathers. 219,118; renewed Oct. 12, 1946. O. G. Sept. 24. Class 1.

Gillette Safety Razor Company: *See*—
Gillette Safety Razor Co.

Gillette Safety Razor Co., to Gillette Safety Razor Company, Boston, Mass. Razors and razor blades. 56,921; re-renewed Oct. 23, 1946. O. G. Sept. 24. Class 23.

Gisondi, August H., doing business as G and G Super Foot Remedy, Schenectady, N. Y. Preparation for treating tender, tired, burning, etc., feet. 424,147; Sept. 24; Serial No. 484,890; published July 2, 1946. Class 6.

Goldstein, Irving, Forest Hills, Long Island, N. Y. Ladies' dresses. 424,272; Sept. 24. Class 39.

Goldstein, Julius, & Sons, to Julius Goldstein & Sons Co., Boston, Mass. Leather shoes and felt slippers. 182,180; renewed Apr. 1, 1944. O. G. Sept. 24. Class 39.

Goldstein, Julius, & Sons Co.: *See*—
Goldstein, Julius, & Sons.

Gordon, George, doing business as Bergere Company, New York, N. Y. Eau de cologne. 424,195; Sept. 24; Serial No. 493,765; published June 25, 1946. Class 6.

Greenblat, Paul E., Brooklyn, N. Y. Electric lamps. 424,180; Sept. 24; Serial No. 492,558; published June 25, 1946. Class 21.

H-O (Hornby's Oatmeal) Company, The, to The Best Foods, Inc., New York, N. Y. Self-rising flour. 55,818; re-renewed Aug. 21, 1946. O. G. Sept. 24. Class 46.

Haas-Lieber Grocery Company, St. Louis, Mo. Certain canned goods and other food products. 214,956; renewed July 6, 1946. O. G. Sept. 24. Class 46.

Haber & Company, Los Angeles, Calif. Woolen piece goods. 219,418; renewed Oct. 19, 1946. O. G. Sept. 24. Class 42.

Halpern, Julius: *See*—
Rath, Chas.

Harris Dress Co., Inc., New York, N. Y. Ladies' and misses' dresses. 424,274; Sept. 24. Class 39.

Hartz, Ernest E., Saginaw, Mich. Toy pull apart buildings. 424,263; Sept. 24. Class 22.

Hat Corporation of America: *See*—
Dunlap & Co.

Hearn Department Stores, Inc., New York, N. Y. Ladies' handkerchiefs. 424,257; Sept. 24. Class 39.

Hecker-H-O Company, Inc., Buffalo, to Best Foods, Inc., The, New York, N. Y. Farina and self-raising flour. 217,379; renewed Aug. 31, 1946. O. G. Sept. 24. Class 46.

Hecker-H-O Company, Inc., Buffalo, to The Best Foods, Inc., New York, N. Y. Bran and bran flakes. 218,466; renewed Sept. 28, 1946. O. G. Sept. 24. Class 46.

Hecker-H-O Company, Inc., Buffalo, to The Best Foods, Inc., New York, N. Y. Certain cereal foods and flour. 218,937; renewed Oct. 5, 1946. O. G. Sept. 24. Class 46.

Heller, B., & Company, Chicago, Ill. Insecticide preparation. 424,220; Sept. 24; Serial No. 496,238; published July 2, 1946. Class 6.

Henkel-Clauss Company, The, Fremont, Ohio. Meat, vegetable, and food choppers; pruners and certain snips, etc. 215,181; renewed July 13, 1946. O. G. Sept. 24. Class 23.

Heresite & Chemical Company, Manitowoc, Wis. Household insecticide and for farm and industrial insecticide. 424,190; Sept. 24; Serial No. 493,354; published June 25, 1946. Class 6.

Herfort, Frank, Canning Co., Inc., Baraboo, Wis. Shelled nuts. 424,245; Sept. 24; Serial No. 500,039; published July 9, 1946. Class 46.

Hommel, O., Company, The, Pittsburgh, Pa. Frit for use in preparation of porcelain enamels. 424,267; Sept. 24. Class 1.

Hoover Liniment Company, Incorporated, Carlisle, Ind. Veterinary liniment and antiseptic preparation. 424,210; Sept. 24; Serial No. 495,384; published June 25, 1946. Class 6.

Hotsteam Heater Company, The, Cleveland, Ohio. Gas and oil water heaters. 219,769–72; renewed Oct. 19, 1946. O. G. Sept. 24. Class 34.

Hotstream Heater Company, The, Cleveland, Ohio. Gas and oil water heaters. 219,783; renewed Oct. 19, 1946. O. G. Sept. 24. Class 34.

House Beautiful Curtains, Inc., New York, N. Y. Window curtains and curtain materials in the piece. 424,167–70; Sept. 24; Serial Nos. 491,013–16; published June 11, 1946. Class 42.

Huntley, Ltd., Brooklyn, N. Y. After-shave lotion. 424,211; Sept. 24; Serial No. 495,476; published June 25, 1946. Class 6.

Hyman, Philip N., Minneapolis, Minn. Insecticide and vermin exterminator. 213,986; renewed June 8, 1946. O. G. Sept. 24. Class 6.

Imperial Chemical Industries, Limited, Slough, England. Insecticides and chemical substances having insecticidal properties. 424,149; Sept. 24; Serial No. 486,371; published June 25, 1946. Class 6.

Imperial Products Company: *See*—
Rath, Chas.

Imre, Edith, and Company, New York, N. Y. Protective facial cream. 424,208; Sept. 24; Serial No. 495,171; published July 2, 1946. Class 6.

Inderrieden Canning Co., to The J. B. Inderrieden Co., Chicago, Ill. Dried fruits. 213,534; renewed June 1, 1946. O. G. Sept. 24. Class 46.

Inderrieden, J. B., Co., The: *See*—
Inderrieden Canning Co.

Indianapolis Glove Company: *See*—
Inskeep Mfg. Co.

Inskeep Mfg. Co., Washington Court House, Ohio, to Indianapolis Glove Company, Indianapolis, Ind. Gloves. 218,861; renewed Oct. 5, 1946. O. G. Sept. 24. Class 39.

International Braid Company, Providence, R. I. Lamp and candle wicks. 424,221; Sept. 24; Serial No. 496,241; published July 9, 1946. Class 34.

International Milling Company, Wilmington, Del. Wheat flour. 424,135; Sept. 24; Serial No. 471,703; published Aug. 28, 1945. Class 46.

International Pharmaceutical Corporation, Boston, Mass. Antiseptic solution. 424,203; Sept. 24; Serial No. 494,559; published July 2, 1946. Class 6.

Irresistible, Inc., New York, N. Y. Lipsticks. 424,225; Sept. 24; Serial No. 496,312; published July 2, 1946. Class 6.

Juilliard, A. D., & Co., Inc., New York, N. Y. Worsted and woolen piece goods. 424,138; Sept. 24; Serial No. 476,616; published Apr. 3, 1945. Class 42.

Kay & Zuckerman, New York, N. Y. Misses' and junior misses' coats, suits, jackets, etc. 424,271; Sept. 24. Class 39.

Klotz, H. & G., Paris, France, to Pinaud Incorporated, New York, N. Y. Perfumed soaps, toilet soaps, shaving-soap sticks, etc. 219,207; renewed Oct. 12, 1946. O. G. Sept. 24. Class 4.

Knapp-Monarch Company, St. Louis, Mo. Electric-motor-driven vegetable and fruit juicing machines. 424,250; Sept. 24. Class 21.

Korry of California, Los Angeles, Calif. Neckties, scarves, and mufflers. 424,268; Sept. 24. Class 39.

Kraft Foods Company: *See*—
MacLaren, A. F., Imperial Cheese Co., Limited.

Laboratoire de Pharmacologie, Inc., to Etablissements Rigaud, Inc., New York, N. Y. Sandalwood-oil capsules. 219,678; renewed Oct. 19, 1946. O. G. Sept. 24. Class 6.

Labratest, Inc., Long Island City, N. Y. Skin freshener, cleansing lotion, cleansing cream, etc. 424,183; Sept. 24; Serial No. 492,632; published June 25, 1946. Class 6.

La Magna Mfg. Co., Inc., East Rutherford, N. J. Radio antenna, radio sets, radio kits, etc. 424,191; Sept. 24; Serial No. 493,497; published June 25, 1946. Class 21.

Lambertson, E. R., doing business as Secrets of The Nile Cream Company, Los Angeles, Calif. Facial cream. 424,212; Sept. 24; Serial No. 495,480; published June 25, 1946. Class 6.

Lanselle Parfumeur (S. A. R. L.), Paris, France. Perfumes, toilet waters, rouge, etc. 424,177; Sept. 24; Serial No. 492,146; published July 2, 1946. Class 6.

La Resista Corset Company, The, Bridgeport, Conn. Corsets, corselets, girdles, etc. 424,255; Sept. 24. Class 39.

Lederle Laboratories, Inc., New York, N. Y. DDT concentrate solution. 424,229; Sept. 24; Serial No. 496,915; published July 2, 1946. Class 6.

Lederle Laboratories, Inc., New York, N. Y. Sulfadiazine-desoxyephedrine eye-drop preparation. 424,230; Sept. 24; Serial No. 496,916; published July 2, 1946. Class 6.

Lederle Laboratories, Inc., New York, N. Y. Suspension of sulfadiazine. 424,236; Sept. 24; Serial No. 497,255; published July 2, 1946. Class 6.

Lehn & Fink Products Corporation: *See*—
Lysol, Incorporated.

Leisure Fit Manufacturing Company, New York, N. Y. Men's and boys' suits, overcoats, topcoats, and sportwear. 424,266; Sept. 24. Class 39.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 424,227–8; Sept. 24; Serial Nos. 496,643–4; published July 2, 1946. Class 6.

Lincoln Electronics Corporation, New York, N. Y. Electric phonographs. 424,207; Sept. 24; Serial No. 494,853; published July 2, 1946. Class 21.

Loft Candy Corporation: *See*—
Loft, Incorporated.
Mirror, The.

Loft, Incorporated, New York, to Loft Candy Corporation, Long Island City, N. Y. Candy. 217,331; renewed Aug. 31, 1946. O. G. Sept. 24. Class 46.

Lowe, Joe, Corporation: *See*—
Popsicle Corporation of the United States, The.

Loy, D. M., Manufacturing Company: *See*—
Loy, Dewey M.

Loy, Dewey M., doing business as D. M. Loy Manufacturing Company, Fountain City, Tenn. Picture frames. 424,243; Sept. 24; Serial No. 499,255; published July 9, 1946. Class 32.

Lysol, Incorporated, to Lehn & Fink Products Corporation, Bloomfield, N. J. Antiseptics and disinfectants. 219,630; renewed Oct. 19, 1946. O. G. Sept. 24. Class 6.

MacLaren, A. F., Imperial Cheese Co., Limited, Toronto, Ontario, Canada, to Kraft Foods Company, Chicago, Ill. Cheese. 56,704; re-renewed Oct. 16, 1946. O. G. Sept. 24. Class 46.

Magnolia Chemical Company, Inc., Jackson, Miss. Insecticides. 424,222; Sept. 24; Serial No. 496,250; published June 25, 1946. Class 6.

Mallory, P. R., & Co., Inc.: *See*—
Elkon Works, Inc.

Manitou Mineral Springs Company, The, to The Manitou Mineral Water Company, Manitou, Colo. Effervescent or carbonated mineral water. 53,663; re-renewed June 12, 1946. O. G. Sept. 24. Class 45.

Manitou Mineral Water Company, The: *See*—
Manitou Mineral Springs Company, The.

Maskuline Underwear Co., Inc., New York, N. Y. Men's and boys' shirts, sport jackets, pajamas, etc. 424,259–61; Sept. 24. Class 39.

Maxson Food Systems, Inc., assignee: *See*—
Maxson, W. L., Corporation, The.

Maxson, W. L., Corporation, The, assignor to Maxson Food Systems, Inc., New York, N. Y. Insulated cabinets. 424,253; Sept. 24. Class 32.

McCaffrey, Charles G., doing business as Old Munich Sales Company, Pittsburgh, Pa., to Standard Brands Incorporated, New York, N. Y. Malt sirup. 219,059; renewed Oct. 12, 1946. O. G. Sept. 24. Class 46.

McCaffrey, Charles G., doing business as Rainbow Sales Company, Pittsburgh, Pa., to Standard Brands Incorporated, New York, N. Y. Malt sirup. 219,348; renewed Oct. 19, 1946. O. G. Sept. 24. Class 46.

McCormick & Co., Incorporated, Baltimore, Md. Insecticides and disinfectants. 219,614; renewed Oct. 19, 1946. O. G. Sept. 24. Class 6.

McCoy, Jones & Company, Inc., Chicago, Ill. Handknitting yarns. 424,137; Sept. 24; Serial No. 475,434; published July 2, 1946. Class 43.

McEldowney, Wendell L.: *See*—
West Salem Canning Company.

Meadtex Fabrics Co., New York, N. Y. Textile fabrics in the piece. 424,184; Sept. 24; Serial No. 492,723; published July 2, 1946. Class 42.

Mellor, Norman, to Arguto Oiless Bearing Co., Philadelphia, Pa. Machine-bearings. 56,563; re-renewed Oct. 9, 1946. O. G. Sept. 24. Class 23.

Memphis Chemical Co.: *See*—
Dupuy, James R.

Micamold Radio Corporation, Brooklyn, N. Y. Grid leaks, and condensers. 218,525; renewed Sept. 28, 1946. O. G. Sept. 24. Class 21.

Michigan Chrome & Chemical Company, Detroit, Mich. Electrolytic protective tape. 424,163; Sept. 24; Serial No. 490,543; published June 25, 1946. Class 21.

Michigan Chrome & Chemical Company, Detroit, Mich. Electrolytic protective tubing. 424,199; Sept. 24; Serial No. 494,347; published June 25, 1946. Class 21.

Milnesia, Inc., New York and Brooklyn, N. Y. Preparation used as an antacid and laxative. 424,174; Sept. 24; Serial No. 491,581; published June 25, 1946. Class 6.

Milward, Henry, & Sons, Limited, Redditch, England, to The English Needle & Fishing Tackle Company, Limited, Birmingham, England. Needles. 51,557; re-renewed Apr. 17, 1946. O. G. Sept. 24. Classes 23 and 40.

Milward, Henry, & Sons, Limited, Redditch, England, to The English Needle & Fishing Tackle Company, Limited, Birmingham, England. Needles. 52,328; re-renewed May 8, 1946. O. G. Sept. 24. Classes 23 and 40.

Milward, Henry, & Sons, Limited, Redditch, England, to English Needle & Fishing Company, The, Birmingham, England. Fish-hooks. 52,485; re-renewed May 8, 1946. O. G. Sept. 24. Class 22.

Minnesota Mining & Manufacturing Company: *See*—
Adamson, Baeder, Company.

Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 56,618; re-renewed Oct. 9, 1946. O. G. Sept. 24. Class 42.

Mirror, The, to Loft Candy Corporation, New York, N. Y. Candy. 216,047; renewed Aug. 3, 1946. O. G. Sept. 24. Class 46.

Moisture Proof Fabrics, Inc., New York, N. Y. Waterproof fabrics. 424,133; Sept. 24; Serial No. 399,975; published Feb. 8, 1938. Class 50.

National Biscuit Company, New York, N. Y. Toy buildings, monuments, trees, etc. 424,165; Sept. 24; Serial No. 490,958; published July 9, 1946. Class 22.

National Distillers Products Corporation: *See*—
Wathen & Company.

National Drug Company, The, Philadelphia, Pa. Protein hydrolysate preparations. 424,234–5; Sept. 24; Serial Nos. 497,188–9; published June 25, 1946. Class 6.

National Trading Company, Inc., Hickory, N. C. Air condition units. 424,153; Sept. 24; Serial No. 487,563; published July 9, 1946. Class 34.

Neilson Chemical Company, Detroit, Mich. Preparation comprising water, phosphoric acid, and a sodium secondary alcohol sulphate, etc. 424,158; Sept. 24; Serial No. 489,598; published July 2, 1946. Class 6.

Neilson Chemical Company, Detroit, Mich. Chemical preparation for cleaning, etc. 424,159; Sept. 24; Serial No. 489,600; published July 2, 1946. Class 6.

Nestor Gianaclis Company, Boston, Mass., to The American Tobacco Company, New York, N. Y. Cigarettes and tobacco for cigarettes. 54,791; re-renewed July 31, 1946. O. G. Sept. 24. Class 17.

New River Company, The, assignee: *See*—
White Oak Coal Company.

New York & New Jersey Lubricant Company: *See*—
New York & New Jersey Lubricant Co.

New York & New Jersey Lubricant Co., Plainfield, N. J., and New York, N. Y., to New York & New Jersey Lubricant Company, New York, N. Y. Lubricating-oils and lubricating-oil compositions or greases. 56,809; re-renewed Oct. 16, 1946. O. G. Sept. 24. Class 15.

Northern Paper Mills, Green Bay, Wis. Paper products. 424,264; Sept. 24. Class 37.

Old Ben Coal Corporation, Chicago, Ill. Coal. 218,482; renewed Sept. 28, 1946. O. G. Sept. 24. Class 1.

Old Ben Coal Corporation, Chicago, Ill. Coal. 219,178; renewed Oct. 12, 1946. O. G. Sept. 24. Class 1.

Old Ben Coal Corporation, Chicago, Ill. Coal. 219,184; renewed Oct. 12, 1946. O. G. Sept. 24. Class 1.

Old Munich Sales Company: *See*—
McCaffrey, Charles G.

Parfum Dalmora: *See*—
Begley, George, Jr.

Parfums Nattier Societe Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. 424,157; Sept. 24; Serial No. 489,483; published July 2, 1946. Class 6.

Paristyle Novelty Co., Inc., New York, N. Y. Certain named toilet preparations. 219,094; renewed Oct. 12, 1946. O. G. Sept. 24. Class 6.

Parsons, Chandler R., doing business as Parsons Chemical Works, Grand Ledge, Mich. Insecticides. 424,164; Sept. 24; Serial No. 490,693; published June 25, 1946. Class 6.

Parsons Chemical Works: *See*—
Parsons, Chandler R.

Parsons Company, The, Newton, Iowa. Ditching or trenching machines. 424,145; Sept. 24; Serial No. 484,497; published July 2, 1946. Class 23.

Pearson, E. J., & Sons Limited, London, England. Leather wrist watch straps. 424,148; Sept. 24; Serial No. 485,591; published July 2, 1946. Class 40.

Pepsi-Cola Company: *See*—
Bradham, Caleb D.

Phillips Chemical Co., Chicago, Ill. Chemicals for cleaning. 424,249; Sept. 24. Class 4.

Pillsbury Flour Mills Company, Minneapolis, Minn., now by merger Pillsbury Mills, Inc. Pancake flour, buckwheat, wheat, and corn pancake flour, etc. 424,136; Sept. 24; Serial No. 474,354; published July 9, 1946. Class 46.

Pillsbury Mills, Inc: *See*—
Pillsbury Flour Mills Company.

Pinaud Incorporated: *See*—
Klotz, H. & G.

Pinaud, Incorporated, New York, N. Y. Hair tonics. 219,713; renewed Oct. 19, 1946. O. G. Sept. 24. Class 6.

Pioneer Instrument Company, Brooklyn, N. Y., to Bendix Aviation Corporation, Teterboro, N. J. Aircraft speed and distance indicators, aircraft speedometers, electric turn indicators, etc. 213,616; renewed June 1, 1946. O. G. Sept. 24. Class 26.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Window units. 424,237; Sept. 24; Serial No. 497,563; published July 9, 1946. Class 12.

Piver, L. T., Inc., Wilmington, Del., and New York, N. Y., to L. T. Piver, Inc., New York, N. Y. Brilliantine. 219,599; renewed Oct. 19, 1946. O. G. Sept. 24. Class 6.

Plymouth Rubber Company, Inc., Canton, Mass. Friction tape. 218,822; renewed Oct. 5, 1946. O. G. Sept. 24. Class 5.

Polaroid Corporation, Cambridge, Mass. Sodium chloride, photographic fixing baths and fixing bath replenishers, etc. 424,173; Sept. 24; Serial No. 491,503; published June 25, 1946. Class 6.

Popsicle Corporation of the United States, to The Joe Lowe Corporation, New York, N. Y. Nonalcoholic, maltless sirups. 219,744; renewed Oct. 26, 1946. O. G. Sept. 24. Class 45.

Porter, Robert, & Co. Limited, London, England. Beer. 55,273; re-renewed Aug. 14, 1946. O. G. Sept. 24. Class 48.

Portland Manufacturing Co., Portland, Oreg. Plywood, veneered and laminated. 218,407; renewed Sept. 28, 1946. O. G. Sept. 24. Class 12.

Purocaine, Inc., Philadelphia, Pa. Amino acids and amino acid mixtures. 424,218–19; Sept. 24; Serial Nos. 495,155–6; published July 2, 1946. Class 6.

Quartaroli, R. J., doing business as Stanislaus Canning Company, Modesto, Calif. Canned foods. 424,144; Sept. 24, 1946; Serial No. 482,763; published June 9, 1946. Class 46.

Radio Condenser Company, Camden, N. J. Electrical condensers and parts. 424,176; Sept. 24; Serial No. 492,121; published June 25, 1946. Class 21.

Radio Development & Research Corp., New York, N. Y. Radio and television receiving sets and parts thereof, etc. 424,196; Sept. 24; Serial No. 494,122; published June 25, 1946. Class 21.

Rainbow Sales Company: *See*—
McCaffrey, Charles G.

Rath, Chas., to Halpern, Julius, doing business as Imperial Products Company, Philadelphia, Pa. Metal-polishes. 52,702; re-renewed May 15, 1946. O. G. Sept. 24. Class 4.

Raybrooke Sportswear Co., Inc.: *See*—
Turk, Raymond & Co.

Reed & Carnrick, Jersey City, N. J. Preparation in tablet, powder, and liquid form. 217,984–5; renewed Sept. 14, 1946. O. G. Sept. 24. Class 6.

Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y., to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 218,859; renewed Oct. 5, 1946. O. G. Sept. 24. Class 9.

Rentokil Limited, London, England. Insect destroying and repelling preparations. 424,146; Sept. 24; Serial No. 484,758; published June 25, 1946. Class 6.

Revay Modes, Inc., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. 424,269; Sept. 24. Class 39.

Rhoads, J. E., & Sons, Philadelphia, Pa., and Wilmington, Del., to J. E. Rhoads & Sons, Philadelphia, Pa. Leather belting and leather packing. 56,568; re-renewed Oct. 9, 1946. O. G. Sept. 24. Class 1.

Rice-Stix Dry Goods Company, St. Louis, Mo. Men's and boys' outer and dress shirts and blouses. 56,084; re-renewed Aug. 21, 1946. O. G. Sept. 24. Class 39.

Rice's, Bernard, Sons, to Bernard Rice's Sons, Inc., New York, N. Y. Silver plated hollow ware. 55,248; re-renewed Aug. 7, 1946. O. G. Sept. 24. Class 28.

Rice's, Bernard, Sons, Inc.: *See*—
Rice's, Bernard, Sons.

Rich Laboratories, Inc., Lebanon, Pa. Capsules. 424,232; Sept. 24; Serial No. 496,983; published July 2, 1946. Class 6.

Ruberoid Co., The: *See*—
Standard Paint Company, The.

Rubin, Isidore J., New York, N. Y. Boys' and girls' rain coats. 424,265; Sept. 24. Class 39.

Sayers, Edwin M., Harrisburg, Pa. Heat exchange units. 424,188; Sept. 24; Serial No. 493,224; published July 2, 1946. Class 6.

Schering Corporation, Bloomfield, N. J. Mixtures of two or more sulfonamide drugs. 424,226; Sept. 24; Serial No. 496,406; published June 25, 1946. Class 6.

Scripto Manufacturing Company, Atlanta, Ga. Propeller pencils and leads therefor. 216,246–7; renewed Aug. 10, 1946. O. G. Sept. 24. Class 37.

Seaman Paper Company, Chicago, Ill. Printing paper. 214,163; renewed June 15, 1946. O. G. Sept. 24. Class 37.

Seaman Paper Company, Chicago, Ill. Enamel book paper. 215,202; renewed July 13, 1946. O. G. Sept. 24. Class 37.

Seaman Paper Company, Chicago, Ill. Enamel book paper. 218,848–9; renewed Oct. 5, 1946. O. G. Sept. 24. Class 37.

Seaman Paper Company, Chicago, Ill. Uncoated book paper. 218,850–1; renewed Oct. 5, 1946. O. G. Sept. 24. Class 37.

Sears, Roebuck and Co., Chicago, Ill. Umbrellas. 424,134; Sept. 24; Serial No. 471,105; published July 2, 1946. Class 41.

Secrets of The Nile Cream Company: *See*—
Lambertson, E. R.

Segelman, Jacob P., doing business as Dynamic Razor Blade Company, Los Angeles, Calif. Razor blades. 424,151; Sept. 24; Serial No. 487,215; published July 2, 1946. Class 23.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. 424,155; Sept. 24; Serial No. 489,287; published June 25, 1946. Class 6.

Sherman, Sol, New York, N. Y. Bow ties, neckties, slacks, etc. 424,273; Sept. 24. Class 39.

Sherwin-Williams Company, The, Cleveland, Ohio. Pest inhibiting compositions. 424,217; Sept. 24; Serial No. 495,994; published June 25, 1946. Class 6.

Shirley Fabrics Corp., New York, N. Y. Textile fabrics in the piece. 424,205; Sept. 24; Serial No. 494,637; published June 25, 1946. Class 42.

Sisk, Albert W., & Son, Preston, Md. Canned vegetables. 217,885; renewed Sept. 14, 1946. O. G. Sept. 24. Class 46.

Sissman, Dorfman & Friefeld, Inc., New York, N. Y. Women's and misses' fur coats. 424,270; Sept. 24. Class 39.

Smith, James, and Son, (Redditch) Limited, Redditch, England. Hand sewing needles. 211,251; renewed Apr. 6, 1946. O. G. Sept. 24. Class 40.

Solarz, Sampson, doing business as Solarz Thread & Yarn Co., Baltimore, Md. Spools, tubes, cones, etc., of silk and cotton threads. 219,062; renewed Oct. 12, 1946. O. G. Sept. 24. Class 43.

Solarz Thread & Yarn Co.: *See*—
Solarz, Sampson.

Spalding, A. G., & Bros., New York, N. Y., to A. G. Spalding & Bros. Inc., Chicopee, Mass. Implements and apparatus used in baseball, tennis, polo, etc. 56,429; re-renewed Sept. 25, 1946. O. G. Sept. 24. Class 22.

Spalding, A. G., & Bros., Inc.: *See*—
Spalding, A. G., & Bros.

Sporting Goods, Inc., Springfield, Mass. Golf balls and golf clubs. 424,244; Sept. 24; Serial No. 499,354; published July 9, 1946. Class 22.

Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. 424,192; Sept. 24; Serial No. 493,572; published June 25, 1946. Class 6.

Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. 424,193; Sept. 24; Serial No. 493,631; published July 2, 1946. Class 6.

Squire Dingee Company, Chicago, Ill. Pickles. 55,837; re-renewed Aug. 21, 1946. O. G. Sept. 24. Class 46.

Squire Dingee Company, Chicago, Ill. Pickles, mustard, catchup, etc. 215,618; renewed July 20, 1946. O. G. Sept. 24. Class 46.

Squire Dingee Company, Chicago, Ill. Pickles, mustard, catchup, etc. 216,720; renewed Aug. 17, 1946. O. G. Sept. 24. Class 46.

Stainpruf Manufacturing Company: *See*—
Stainpruf Process Laundry.

Stainpruf Process Laundry, also doing business as Stainpruf Manufacturing Company, Los Angeles, Calif. Emulsion for waterproofing and stain-proofing fabrics. 424,213; Sept. 24; Serial No. 495,522; published June 25, 1946. Class 6.

Staley, A. E., Manufacturing Company: *See*—
Staley, Augustus E.

Staley, Augustus E., Baltimore, Md., to A. E. Staley Manufacturing Company, Decatur, Ill. Starch for food purposes. 55,577; re-renewed Aug. 14, 1946. O. G. Sept. 24. Class 46.

Standard Brands Incorporated: *See*—
McCaffrey, Charles G.

Standard Oil Company of New Jersey: *See*—
Standard Oil Company (New Jersey).

Standard Oil Company (New Jersey), Bayonne, N. J., to Standard Oil Company of New Jersey, Wilmington, Del. Certain refined, semi-refined, and unrefined oils and greases. 218,665; renewed Sept. 28, 1946. O. G. Sept. 24. Class 15.

Standard Paint Company, The, New York, N. Y., to The Ruberoid Co., Bound Brook, N. J., and New York, N. Y. Liquids in the nature of rubber in the form of paint and cement coating. 56,799; re-renewed Oct. 16, 1946. O. G. Sept. 24. Class 16.

Standard Playing Card Co., Chicago, Ill., to The United States Playing Card Company, Cincinnati, Ohio. Playing cards. 219,045; renewed Oct. 12, 1946. O. G. Sept. 24. Class 22.

Stanislaus Canning Company: *See*—
Quartaroli, R. J.

Startex Mills, Tucapau, S. C. Tablecloths, napkins, kitchen towels, etc. 424,178; Sept. 24; Serial No. 492,233; published June 11, 1946. Class 42.

Stuart, Rex, Co., New York, N. Y. Dog shampoo, dog deodorant, dog flea powder, etc. 424,175; Sept. 24; Serial No. 491,728; published June 25, 1946. Class 6.

Superba Cravats, Rochester, N. Y. Neckties. 424,251; Sept. 24. Class 39.

Syracuse Ornamental Co., New York, N. Y. Brush and comb sets, combs, ornamental pins, etc. 424,166; Sept. 24; Serial No. 490,982; published July 2, 1946. Class 40.

Taj Perfume Company: *See*—
Akhtar, Jamil.

Teofani & Co., to Teofani & Co., Limited, London, England. Cigarettes. 53,367; re-renewed May 29, 1946. O. G. Sept. 24. Class 17.

Teofani & Co., Limited: *See*—
Teofani & Co.

Texas Citrus Fruit Growers Exchange, Mission, Tex. Fresh citrous fruits. 212,309; renewed Apr. 27, 1946. O. G. Sept. 24. Class 46.

Texas Citrus Fruit Growers Exchange, Mission, Tex. Fresh citrous fruit, grapefruit, satsumas, etc. 213,308; renewed May 25, 1946. O. G. Sept. 24. Class 46.

Thompson, Ebenezer F., Titusville, Pa. Medicinal preparation. 424,171; Sept. 24; Serial No. 491,177; published July 2, 1946. Class 6.

Timken-Detroit Axle Company, The, Detroit, Mich. Brakes, braking systems, and parts thereof. 216,161; renewed Aug. 3, 1946. O. G. Sept. 24. Class 19.

Truscon Steel Company, Youngstown, Ohio. Roofing construction. 217,123; renewed Aug. 24, 1946. O. G. Sept. 24. Class 12.

Tubize Rayon Corporation, assignor to Celanese Corporation of America, New York, N. Y. Rayon yarns. 424,181; Sept. 24; Serial No. 492,595; published July 2, 1946. Class 43.

Turk, Raymond, & Co., to Raybrooke Sportswear Co., Inc., New York, N. Y. Men's and boys' hosiery. 219,034; renewed Oct. 12, 1946. O. G. Sept. 24. Class 39.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Art needlework yarns. 424,187; Sept. 24; Serial No. 493,155; published July 2, 1946. Class 43.

Ung, Tom, doing business as United China Trading Company, Los Angeles, Calif. Hair oil, hair pomade, hair tonic, etc. 424,223; Sept. 24; Serial No. 496,286; published July 2, 1946. Class 6.

Union Carbide and Carbon Corporation, New York, N. Y. Powder for use in cutting and scarfing of metallic and non-metallic bodies. 424,160; Sept. 24; Serial No. 490,153; published June 25, 1946. Class 6.

Union Oil Company of California, Los Angeles, Calif. Organic hydroperoxides. 424,239; Sept. 24; Serial No. 497,684; published July 2, 1946. Class 6.

United Carbon Company, Inc. (Maryland): *See*—
Eastern Carbon Company, Inc.

United China Trading Company: *See*—
Ung, Tom.

United States Playing Card Company, The: *See*—
Standard Playing Card Co.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 424,233; Sept. 24; Serial No. 497,143; published July 2, 1946. Class 6.

Vallens, Eugene, & Co., Chicago, Ill., and New York, N. Y., to The American Tobacco Company, New York, N. Y. Cigars. 28,394; re-renewed June 16, 1946. O. G. Sept. 24. Class 17.

Variety Robes, Brooklyn, N. Y. Housecoats, robes, brunch coats, etc. 424,254; Sept. 24. Class 39.

Venn, Louey, of London, Inc., Washington, D. C. Eau de cologne. 424,161; Sept. 24; Serial No. 490,156; published July 2, 1946. Class 6.

Venn, Louey, of London Inc., Washington, D. C. Toilet water. 424,162; Sept. 24; Serial No. 490,157; published July 2, 1946. Class 6.

Wathen & Company, Louisville, Ky., to National Distillers Products Corporation, New York, N. Y. Whiskey. 56,651; re-renewed Oct. 16, 1946. O. G. Sept. 24. Class 49.

Western Chemical Company, St. Joseph, Mo. Liquid cleaner. 215,652; renewed July 20, 1946. O. G. Sept. 24. Class 4.

Westfield River Paper Company, Inc., Russell, Mass. Prepared paper for backing films of rubber and the like. 219,058; renewed Oct. 12, 1946. O. G. Sept. 24. Class 37.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid resistor compound. 424,206; Sept. 24; Serial No. 494,881; published July 2, 1946. Class 21.

West Salem Canning Company, The, to W. L. McEldowney, West Salem, Wis. Canned vegetables. 213,392; renewed May 25, 1946. O. G. Sept. 24. Class 46.

White Oak Coal Company, assignor to The New River Company, Mount Hope, W. Va. Coal. 424,246–7; Sept. 24. Class 1.

Wiedeke, Gustav, Company, The: *See*—
Wiedeke, Gustav, Co.

Wiedeke, Gustav, Co., to The Gustav Wiedeke Company, Dayton, Ohio. Tube and flue expanders, tube and flue cutters, tube and flue beading tools. 213,340; renewed May 25, 1946. O. G. Sept. 24. Class 23.

Wiedeke, Gustav, Co., to The Gustav Wiedeke Company, Dayton, Ohio. Tube and flue expanders, tube and flue cutters, and tube and flue beading tools. 213,531; renewed June 1, 1946. O. G. Sept. 24. Class 23.

Wiedeke, Gustav, Co., to The Gustav Wiedeke Company, Dayton, Ohio. Tube and flue expanders, tube and flue cutters, and tube and flue beading tools. 213,568; renewed June 1, 1946. O. G. Sept. 24. Class 23.

Williamson-Dickie Manufacturing Company, Fort Worth, Tex. Children's play suits. 218,075; renewed Sept. 21, 1946. O. G. Sept. 24. Class 39.

Winthrop Chemical Company, Inc., New York, N. Y. Medicinal preparation. 219,061; renewed Oct. 12, 1946. O. G. Sept. 24. Class 6.

Wolff, Alice F., Brooklyn, N. Y. Bias tape and bias binding. 424,152; Sept. 24; Serial No. 487,400; published June 11, 1946. Class 40.

Woodburn, King A., doing business as Woodburn Remedies, Jacksonville, Fla. Medicinal preparation. 424,156; Sept. 24; Serial No. 489,305; published June 25, 1946. Class 6.

Woodburn Remedies: *See*—
Woodburn, King A.

Yocum Faust, Limited, London, Ontario, Canada. Commercial cod liver oil. 218,781; renewed Oct. 5, 1946. O. G. Sept. 24. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbon black. Eastern Carbon Black Company. 215,466; renewed July 20, 1946. O. G. Sept. 24.

Coal. Old Ben Coal Corporation. 218,482; renewed Sept. 28, 1946. O. G. Sept. 24.

Coal. Old Ben Coal Corporation. 219,178; renewed Oct. 12, 1946. O. G. Sept. 24.

Coal. Old Ben Coal Corporation. 219,184; renewed Oct. 12, 1946. O. G. Sept. 24.

Coal. White Oak Coal Company. 424,246–7; Sept. 24.

Frit for use in preparation of porcelain enamels. O. Hommel Company. 424,267; Sept. 24.

Leather belting and leather packing. J. E. Rhoads & Sons. 56,568; re-renewed Oct. 9, 1946. O. G. Sept. 24.

Leathers. Gill Leather Company. 219,118; renewed Oct. 12, 1946. O. G. Sept. 24.

CLASS 2

Boxes, Cardboard, fibreboard, and wooden packing. Anglock Container Engineering Co. 424,262; Sept. 24.

CLASS 3

Purses and pocketbooks. Buxton, Incorporated. 218,545; renewed Sept. 28, 1946. O. G. Sept. 24.

CLASS 4

Abrasives, Cloth or paper backed. Baeder Adamson Company. 212,871; renewed May 18, 1946. O. G. Sept. 24.

Chemicals for cleaning. Phillips Chemical Co. 424,249; Sept. 24.

Cleaner, Liquid. Western Chemical Company. 215,652; renewed July 20, 1946. O. G. Sept. 24.

Metal-polishes. Rath, Chas. 52,702; re-renewed May 15, 1946. O. G. Sept. 24.

Shoe-polish. American Chemical Manufacturing & Mining Company. 54,769; re-renewed July 31, 1946. O. G. Sept. 24.

Soaps, toilet soaps, shaving-soap sticks, etc., Perfumed. H. & G. Klotz. 219,207; renewed Oct. 12, 1946. O. G. Sept. 24.

CLASS 5

Tape, Friction. Plymouth Rubber Company, Inc. 218,822; renewed Oct. 5, 1946. O. G. Sept. 24.

CLASS 6

Acids and amino acid mixtures, Amino. Purocaine, Inc. 424,218–19; Sept. 24; Serial No. 496,155–6; published July 2, 1946.

Alpha tocopherol, carotene, inositol, etc. General Biochemicals, Inc. 424,231; Sept. 24; Serial No. 496,956; published July 2, 1946.

Antibacterial preparation. Sharp & Dohme, Incorporated. 424,155; Sept. 24; Serial No. 489,287; published June 25, 1946.

Antibacterial preparations. E. R. Squibb & Sons. 424,192; Sept. 24; Serial No. 493,572; published June 25, 1946.

Antibacterial preparations. E. R. Squibb & Sons. 424,193; Sept. 24; Serial No. 493,631; published July 2, 1946.

Antiseptic solution. International Pharmaceutical Corporation. 424,203; Sept. 24; Serial No. 494,559; published July 2, 1946.

Antiseptics and disinfectants. Lysol, Incorporated. 219,630; renewed Oct. 19, 1946. O. G. Sept. 24.

Brilliantine. L. T. Piver, Inc. 219,599; renewed Oct. 19, 1946. O. G. Sept. 24.

Calcium hypochlorite. Cowles Detergent Company. 424,215; Sept. 24; Serial No. 495,867; published July 2, 1946.
Capsules. Rich Laboratories, Inc. 424,232; Sept. 24; Serial No. 496,983; published July 2, 1946.
Capsules, Sandalwood-oil. Laboratoire de Pharmacologie, Inc. 219,678; renewed Oct. 19, 1946. O. G. Sept. 24.
Chemical compound. Chicago Copper & Chemical Company. 424,204; Sept. 24; Serial No. 494,306; published July 2, 1946.
Chemical preparation for cleaning, etc. Neilson Chemical Company. 424,159; Sept. 24; Serial No. 489,600; published July 2, 1946.
Chemicals and preparations and compounds thereof. General Aniline & Film Corporation. 424,154; Sept. 24; Serial No. 487,673; published June 25, 1946.
Codliver oil, Commercial. Yocum-Faust, Limited. 218,781; renewed Oct. 5, 1946. O. G. Sept. 24.
Cream, Estrogenic hormone skin. Prihoda Bailey & Company. 424,194; Sept. 24; Serial No. 493,724; published July 2, 1946.
Cream, Facial. E. R. Lambertson. 424,212; Sept. 24; Serial No. 495,480; published June 25, 1946.
Cream, Protective facial. Edith Imre and Company. 424,208; Sept. 24; Serial No. 495,171; published July 2, 1946.
DDT concentrate solution. Lederle Laboratories, Inc. 424,229; Sept. 24; Serial No. 496,915; published July 2, 1946.
Destroying and repelling preparations, Insect. Rentokil Limited. 424,146; Sept. 24; Serial No. 484,758; published June 25, 1946.
Eau de Cologne. G. Gordon. 424,195; Sept. 24; Serial No. 493,765; published June 25, 1946.
Eau de cologne. Louey Venn of London, Inc. 424,161; Sept. 24; Serial No. 490,156; published July 2, 1946.
Emulsion for waterproofing and stainproofing fabrics. Stainpruf Process Laundry. 424,213; Sept. 24; Serial No. 495,522; published June 25, 1946.
Freshener, cleansing lotion, cleansing cream, etc., Skin. Labratest, Inc. 424,183; Sept. 24; Serial No. 492,632; published June 25, 1946.
Heat exchange units. E. M. Sayers. 424,188; Sept. 24; Serial No. 493,224; published July 2, 1946.
Hydroperoxides, Organic. Union Oil Company of California. 424,239; Sept. 24; Serial No. 497,684; published July 2, 1946.
Incense. J. Akhtar. 424,139; Sept. 24; Serial No. 476,897; published July 2, 1946.
Insecticidal compositions. Dow Chemical Company. 215,273; renewed July 13, 1946. O. G. Sept. 24.
Insecticide and for farm and industrial insecticide, Household. Heresite & Chemical Company. 424,190; Sept. 24; Serial No. 493,354; published June 25, 1946.
Insecticide and vermin exterminator. P. N. Hyman. 213,986; renewed June 8, 1946. O. G. Sept. 24.
Insecticide preparation. B. Heller & Company. 424,220; Sept. 24; Serial No. 496,238; published July 2, 1946.
Insecticides. Consolidated Cosmetics. 424,189; Sept. 24; Serial No. 493,326; published June 25, 1946.
Insecticides. Magnolia Chemical Company. 424,222; Sept. 24; Serial No. 496,250; published June 25, 1946.
Insecticides. C. R. Parsons. 424,164; Sept. 24; Serial No. 490,693 published June 25, 1946.
Insecticides and chemical substances having insecticidal properties. Imperial Chemical Industries, Limited. 424,149; Sept. 24; Serial No. 486,371; published June 25, 1946.
Insecticides and disinfectants. McCormick & Co., Incorporated. 219,614; renewed Oct. 19, 1946. O. G. Sept. 24.
Liniment and antiseptic preparation, Veterinary. Hoover Liniment Company, Incorporated. 424,210; Sept. 24; Serial No. 495,384; published June 25, 1946.
Lipsticks. Irresistible, Inc. 424,225; Sept. 24; Serial No. 496,312; published July 2, 1946.
Lotion, After-shave. Huntley, Ltd. 424,211; Sept. 24; Serial No. 495,476; published June 25, 1946.
Medical preparations to relieve headaches, and neuralgia. M. Biolos. 424,216; Sept. 24; Serial No. 495,951; published June 25, 1946.
Medicinal preparation. Ciba Pharmaceutical Products, Inc. 424,241; Sept. 24; Serial No. 499,116; published July 2, 1946.
Medicinal preparation. J. R. Dupuy. 424,150; Sept. 24; Serial No. 487,074; published June 25, 1946.
Medicinal preparation. E. F. Thompson. 424,171; Sept. 24; Serial No. 491,177; published July 2, 1946.
Medicinal preparation. Upjohn Company. 424,233; Sept. 24; Serial No. 497,143; published July 2, 1946.
Medicinal preparation. Winthrop Chemical Company, Inc. 219,061; renewed Oct. 12, 1946. O. G. Sept. 24.
Medicinal preparation. K. A. Woodburn. 424,156; Sept. 24; Serial No. 489,305; published June 25, 1946.
Medicinal preparation used for amebacidal infection. Endo Products Inc. 424,209; Sept. 24; Serial No. 495,281; published June 25, 1946.
Medicine for eczema and other skin diseases. D. D. D. Company. 56,747; re-renewed Oct. 16, 1946. O. G. Sept. 24.
Medicine in the treatment of gummosis and scalebark on citrus trees. E. Best. 424,204; Sept. 24; Serial No. 494,594; published June 25, 1946.
Nutritive preparations. Abbott Laboratories. 424,224; Sept. 24; Serial No. 496,293; published July 2, 1946.
Oil, hair pomade, hair tonic, etc., Hair. T. Ung. 424,223; Sept. 24; Serial No. 496,286; published July 2, 1946.
Perfume and cologne. G. Begley, Jr. 242,143; Sept. 24; Serial No. 481,046; published June 26, 1945.
Perfume, cologne, bath powder, and sachet powder. Elmo Sales Corporation. 424,179; Sept. 24; Serial No. 492,368; published June 25, 1946.
Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 424,227–8; Sept. 24; Serial Nos. 496,643–4; published July 2, 1946.
Perfumes, toilet waters, rouge, etc. Lansell Parfumeur (S. A. R. L.). 424,177; Sept. 24; Serial No. 492,146; published July 2, 1946.
Perfumes, toilet waters, rouge, etc. Parfums Nattier Societe Anonyme. 424,157; Sept. 24; Serial No. 489,483; published July 2, 1946.
Pest inhibiting compositions. Sherwin-Williams Company. 424,217; Sept. 24; Serial No. 495,994; published June 25, 1946.
Powder for use in cutting and scarfing of metallic and non-metallic bodies. Union Carbide and Carbon Corporation. 424,160; Sept. 24; Serial No. 490,153; published June 25, 1946.
Preparation comprising water, phosphoric acid, and a sodium secondary alcohol sulphate, etc. Neilson Chemical Company. 424,158; Sept. 24; Serial No. 489,598; published July 2, 1946.
Preparation for the care and treatment of the hair and scalp. Bristol-Myers Company. 424,141; Sept. 24; Serial No. 480,735; published July 2, 1946.
Preparation for treating tender, tired, burning, etc., feet. A. H. Gisondi. 424,147; Sept. 24; Serial No. 484,890; published July 2, 1946.
Preparation in tablet, powder, and liquid form. Reed & Carnrick. 217,984–5; renewed Sept. 14, 1946. O. G. Sept. 24.
Preparation used as an antacid and laxative. Milnesia, Inc. 424,174; Sept. 24; Serial No. 491,581; published June 25, 1946.
Protein hydrolysate preparations. National Drug Company. 424,234–5; Sept. 24; Serial Nos. 497,188–9; published June 25, 1946.
Rodenticide. Dr. Hess & Clark, Inc. 424,240; Sept. 24; Serial No. 498,896; published June 25, 1946.
Shampoo. E. M. Bayard. 424,238; Sept. 24; Serial No. 497,642; published June 25, 1946.
Shampoo, dog deodorant, dog flea powder, etc., Dog. Rex Stuart Co. 424,175; Sept. 24; Serial No. 491,728; published June 25, 1946.
Sodium chloride, photographic fixing baths and fixing bath replenishers, etc. Polaroid Corporation. 424,173; Sept. 24; Serial No. 491,503; published June 25, 1946.
Sulfadiazine - desoxyephedrine eye-drop preparation. Lederle Laboratories, Inc. 424,230; Sept. 24; Serial No. 496,916; published July 2, 1946.
Sulfadiazine, Suspension of. Lederle Laboratories, Inc. 424,236; Sept. 24; Serial No. 497,255; published July 2, 1946.
Sulfonamide drugs, Mixtures of two or more. Schering Corporation. 424,226; Sept. 24; Serial No. 496,406; published June 25, 1946.
Toilet preparations, Certain named. Paristyle Novelty Co., Inc. 219,094; renewed Oct. 12, 1946. O. G. Sept. 24.
Toilet water. Louey Venn of London, Inc. 424,162; Sept. 24; Serial No. 490,157; published July 2, 1946.
Tonics, Hair. Pinaud, Incorporated. 219,713; renewed Oct. 19, 1946. O. G. Sept. 24.
Wood-preserving compounds. C-A-Wood Preserver Company. 218,236; renewed Sept. 21, 1946. O. G. Sept. 24.

CLASS 9

Ammunition. Remington Arms Company, Inc. 218,859; renewed Oct. 5, 1946. O. G. Sept. 24.

CLASS 10

Fertilizers, Certain named. American Agricultural Chemical Co., The. 52,391; re-renewed May 8, 1946. O. G. Sept. 24.

CLASS 12

Plywood, Veneered, and laminated. Portland Manufacturing Co. 218,407; renewed Sept. 28, 1946. O. G. Sept. 24.
Roofing construction. Truscon Steel Company. 217,123; renewed Aug. 24, 1946. O. G. Sept. 24.
Window units. Pittsburgh Plate Glass Company. 424,237; Sept. 24; Serial No. 497,563; published July 9, 1946.

CLASS 13

Brasspipes, bronze seamless tubes, cupronickel tubes, etc. Anaconda Copper Mining Company. 218,527; renewed Sept. 28, 1946. O. G. Sept. 24.
Horse-nails. Capewell Horse Nail Company. 56,605; re-renewed Oct. 9, 1946. O. G. Sept. 24.

CLASS 14

Iron and steel, Rolled, drawn, and forged. Fagersta Bruks Aktiebolag. 213,827; renewed June 8, 1946. O. G. Sept. 24.
Metals, castings, and alloys, Certain nonferrous. Anaconda Copper Mining Company. 218,526; renewed Sept. 28, 1946. O. G. Sept. 24.

CLASS 15

Gasoline. Beacon Oil Company. 216,052; renewed Aug. 3, 1946. O. G. Sept. 24.
Lubricating-oils and lubricating-oil compositions or greases. New York & New Jersey Lubricant Co. 56,809; re-renewed Oct. 16, 1946. O. G. Sept. 24.
Oils and greases, Certain refined, semi-refined, and unrefined. Standard Oil Company (New Jersey). 218,665; renewed Sept. 28, 1946. O. G. Sept. 24.

CLASS 16

Lacquers. Cleveland Varnish Company. 213,077; renewed May 18, 1946. O. G. Sept. 24.
Paint and cement coating, Liquids in the nature of rubber in the form of. Standard Paint Company. 56,799; re-renewed Oct. 16, 1946. O. G. Sept. 24.
Paints, Porch and floor. Blue Ribbon Paint Co. 219,524; renewed Oct. 19, 1946. O. G. Sept. 24.

CLASS 17

Cigarettes. Cavander's, Limited. 212,924; renewed May 18, 1946. O. G. Sept. 24.
Cigarettes. Teofani & Co. 53,367; re-renewed May 29, 1946. O. G. Sept. 24.
Cigarettes and tobacco for cigarettes. Nestor Gianaclis Company. 54,791; re-renewed July 31, 1946. O. G. Sept. 24.
Cigars. Eugene Vallens & Co. 28,394; re-renewed June 16, 1946. O. G. Sept. 24.

CLASS 19

Brakes, braking systems, and parts thereof. Timken-Detroit Axle Company. 216,161; renewed Aug. 3, 1946. O. G. Sept. 24.

CLASS 21

Batteries, Electric. Bright Star Battery Co. 214,606; renewed June 29, 1946. O. G. Sept. 24.
Casings. Breeze Corporations, Inc. 424,182; Sept. 24; Serial No. 492,615; published June 25, 1946.
Condensers and parts, Electrical. Radio Condenser Company. 424,176; Sept. 24; Serial No. 492,121; published June 25, 1946.
Electric-lighting units and fixtures and parts thereof, Complete. Day-Brite Reflector Company. 219,550; renewed Oct. 19, 1946. O. G. Sept. 24.
Electric-motor-driven vegetable and fruit juicing machines. Knapp-Monarch Company. 424,250; Sept. 24.
Electrical appliances, Certain named. Circle F Mfg. Co. 218,681; renewed Sept. 28, 1946. O. G. Sept. 24.
Grid leaks and condensers. Micamold Radio Corporation. 218,525; renewed Sept. 28, 1946. O. G. Sept. 24.
Lamps, Electric. P. E. Greenblat. 424,180; Sept. 24; Serial No. 492,558; published June 25, 1946.
Phonographs, Electric. Lincoln Electronics Corporation. 424,207; Sept. 24; Serial No. 494,853; published July 2, 1946.
Radio antenna, radio sets, radio kits, etc. La Magna Mfg. Co., Inc. 424,191; Sept. 24; Serial No. 493,497; published June 25, 1946.
Radio and television receiving sets and parts thereof, etc. Radio Development & Research Corp. 424,196; Sept. 24; Serial No. 494,122; published June 25, 1946.
Rectifiers, rectifier units, battery eliminators, etc., Electric-current. Elkon Works, Inc. 218,871; renewed Oct. 5, 1946. O. G. Sept. 24.
Resistor compound, Fluid. Westinghouse Electric Corporation. 424,206; Sept. 24; Serial No. 494,881; published July 2, 1946.
Tape, Electrolytic protective. Michigan Chrome & Chemical Company. 424,163; Sept. 24; Serial No. 490,543; published June 25, 1946.
Tubing, Electrolytic protective. Michigan Chrome & Chemical Company. 424,199; Sept. 24; Serial No. 494,847; published June 25, 1946.
Wire and cable, and bus bars, etc., Certain. Anaconda Copper Mining Company. 218,368; renewed Sept. 28, 1946. O. G. Sept. 24.

CLASS 22

Base-ball, tennis, polo, etc., Implements and apparatus used in. A. G. Spalding & Bros. 56,429; re-renewed Sept. 25, 1946. O. G. Sept. 24.
Fish-hooks. Henry Milward & Sons, Limited. 52,485; renewed May 8, 1946. O. G. Sept. 24.
Golf balls and golf clubs. Sporting Goods, Inc. 424,244; Sept. 24; Serial No. 499,854; published July 9, 1946.
Lures and fly rod lures, Artificial casting. Dyna Tackle Company. 424,242; Sept. 24; Serial No. 499,126; published July 9, 1946.
Playing cards. Standard Playing Card Co. 219,045; renewed Oct. 12, 1946. O. G. Sept. 24.
Toy buildings, monuments, trees, etc. National Biscuit Company. 424,165; Sept. 24; Serial No. 490,958; published July 9, 1946.
Toy pull apart buildings. E. E. Hartz. 424,263; Sept. 24.

CLASS 23

Appliances for cleaning boilers. Diamond Power Specialty Corporation. 214,540; renewed June 29, 1946. O. G. Sept. 24.
Choppers; pruners and certain snips, etc., Meat, vegetable, and food. Henkel-Clauss Company. 215,181; renewed July 13, 1946. O. G. Sept. 24.
Dies and machine parts, Hardened and tempered steel. A. Finkl & Sons Company. 424,202; Sept. 24; Serial No. 494,493; published June 25, 1946.
Dies and machine parts, Steel. A. Finkl & Sons Company. 424,200–1; Sept. 24; Serial Nos. 494,491–2; published June 25, 1946.
Ditching or trenching machines. Parsons Company. 424,145; Sept. 24; Serial No. 484,497; published July 2, 1946.
Expanders, tube and flue cutters, and tube and flue beading tools, Tube and flue. Gustav Wiedeke Co. 213,531; renewed June 1, 1946. O. G. Sept. 24.
Expanders, tube and flue cutters, and tube and flue beading tools, Tube and flue. Gustav Wiedeke Co. 213,568; renewed June 1, 1946. O. G. Sept. 24.
Expanders, tube and flue cutters, tube and flue beading tools, Tube and flue. Gustav Wiedeke Co. 213,840; renewed May 25, 1946. O. G. Sept. 24.
Internal-combustion engines. Cummins Engine Company. 214,074; renewed June 15, 1946. O. G. Sept. 24.
Machine-bearings. N. Mellor. 56,563; re-renewed Oct. 9, 1946. O. G. Sept. 24.
Machines for applying closures to glass or metal containers. Crown Cork & Seal Company, Inc. 424,186; Sept. 24; Serial No. 493,046; published June 25, 1946.
Needles. Henry Milward & Sons, Limited. 51,557; re-renewed Apr. 17, 1946. O. G. Sept. 24.
Needles. Henry Milward & Sons, Limited. 52,328; re-renewed May 8, 1946. O. G. Sept. 24.
Razor blades. J. P. Segelman. 424,151; Sept. 24; Serial No. 487,215; published July 2, 1946.
Razors and razor blades. Gillette Safety Razor Co. 56,921; re-renewed Oct. 23, 1946. O. G. Sept. 24.
Sewing machines, Domestic. Gellman Manufacturing Company. 424,198; Sept. 24; Serial No. 494,322; published July 2, 1946.

CLASS 26

Indicators, aircraft speedometers, electric turn indicators, etc., Aircraft speed and distance. Pioneer Instrument Company. 213,616; renewed June 1, 1946. O. G. Sept. 24.

CLASS 28

Hollow ware, Silver plated. Bernard Rice's Sons. 55,248; re-renewed Aug. 7, 1946. O. G. Sept. 24.

CLASS 29

Polishing-brushes and daubers for shoe-polish. American Chemical Manufacturing & Mining Company. 56,223; re-renewed Sept. 4, 1946. O. G. Sept. 24.

CLASS 32

Cabinets, Insulated. W. L. Maxson Corporation. 424,253; Sept. 24.
Frames, Picture. D. M. Loy. 424,243; Sept. 24; Serial No. 499,255; published July 9, 1946.
Springs for use in upholstery. F. R. Atkinson Spring Company, Inc. 218,735; renewed Oct. 5, 1946. O. G. Sept. 24.

CLASS 34

Air conditioning units. National Trading Company, Inc. 424,153; Sept. 24; Serial No. 487,563; published July 9, 1946.
Burners for heating equipment, Oil. American Oil Company. 424,214; Sept. 24; Serial No. 495,563; published July 9, 1946.
Heaters, Gas and oil water. Hotstream Heater Company, The. 219,769–72; renewed Oct. 19, 1946. O. G. Sept. 24.
Heaters, Gas and oil water. Hotstream Heater Company. 219,783; renewed Oct. 19, 1946. O. G. Sept. 24.
Wicks, Lamp and candle. International Braid Company. 424,221; Sept. 24, 1946. Serial No. 496,241; published July 9, 1946.

CLASS 37

Paper, Enamel book. Seaman Paper Company. 215,202; renewed July 13, 1946. O. G. Sept. 24.
Paper, Enamel book. Seaman Paper Company. 218,848–9; renewed Oct. 5, 1946. O. G. Sept. 24.
Paper for backing films of rubber and the like, Prepared. Westfield River Paper Company, Inc. 219,058; renewed Oct. 12, 1946. O .G. Sept. 24.
Paper, Printing. Seaman Paper Company. 214,163; renewed June 15, 1946. O. G. Sept. 24.
Paper products. Northern Paper Mills. 424,264; Sept. 24.
Paper, Uncoated book. Seaman Paper Company. 218,850–1; renewed Oct. 5, 1946. O. G. Sept. 24.
Pencils and leads therefor, Propeller. Scripto Manufacturing Company. 216,246–7; renewed Aug. 10, 1946. O. G. Sept 24.

CLASS 38

Magazine, Weekly illustrated. P. F. Collier & Son. 55,055; re-renewed Aug. 7, 1946. O. G. Sept. 24.

CLASS 39

Boots, shoes, and slippers. James Branch & Sons, Limited. 213,555; renewed June 1, 1946. O. G. Sept. 24.
Clothing for men and boys, Certain articles of. Affiliated Clothiers, Inc. 215,661; renewed July 20, 1946. O. G. Sept. 24.
Coats, Boys' and girls' rain. I. J. Rubin. 424,265; Sept. 24.
Coats, suits, jackets, etc., Ladies' and misses'. Revay Modes, Inc. 424,269; Sept. 24.
Coats, suits, jackets, etc., Misses' and junior misses'. Kay & Zuckerman. 424,271; Sept. 24.
Coats, Women's and misses' fur. Sissman, Dorfman & Friefeld, Inc. 424,270; Sept. 24.
Corsets, corselets, girdles, etc. La Resista Corset Company. 424,255; Sept. 24.
Dresses, Ladies'. I. Goldstein. 424,272; Sept. 24.
Dresses, Ladies' and misses'. Harris Dress Co., Inc. 424,274; Sept. 24.
Garments, Men's, boys', and children's outer. Cohen, Goldman & Co., Inc. 424,248; Sept. 24.
Garments, Women's and misses' sleeping. Best & Co., Inc. 424,252; Sept. 24.
Gloves. Inskeep Mfg. Co. 218,861; renewed Oct. 5, 1946. O. G. Sept. 24.
Handkerchiefs, Ladies'. Hearn Department Stores, Inc. 424,257; Sept. 24.
Hats, caps, and bonnets. Dunlap & Co. 56,639; re-renewed Oct. 16, 1946. O. G. Sept. 24.
Hats, Men's. Capson Hat Company, Inc. 424,258; Sept. 24.
Hosiery. Bryan Full Fashioned Mills. 424,256; Sept. 24.
Hosiery, Men's and boys'. Raymond Turk & Co. 219,034; renewed Oct. 12, 1946. O. G. Sept. 24.
Housecoats, robes, brunch coats, etc. Variety Robes. 424,254; Sept. 24.
Neckties. Superba Cravats. 424,251; Sept. 24.
Neckties, scarves, and mufflers. Korry of California 424,268; Sept. 24.
Shirts and blouses, Men's and boys' outer and dress. Rice-Stix Dry Goods Company. 56,084; re-renewed Aug. 21, 1946. O. G. Sept. 24.
Shirts, sport jackets, pajamas, etc., Men's and boys'. Maskuline Underwear Co. Inc. 424,259–61; Sept. 24.
Shoes and felt slippers, Leather. Julius Goldstein & Sons. 182,180; renewed Apr. 1, 1944. O. G. Sept. 24.
Shoes, Leather. Doerman Shoe Mfg. Co. 218,244; renewed Sept. 21, 1946. O. G. Sept. 24, 1946.
Suits, Children's play. Williamson-Dickie Manufacturing Company. 218,075; renewed Sept. 21, 1946. O. G. Sept. 24.
Suits, overcoats, topcoats, and sportwear, Men's and boys'. Leisure Fit Manufacturing Company. 424,266; Sept. 24.
Suits, sweaters, jackets, etc., Knitted bathing. S. L. Gilbert Company, Inc. 424,275; Sept. 24.
Ties, neckties, slacks, etc., Bow. S. Sherman. 424,273; Sept. 24.

CLASS 40

Brush and comb sets, combs, ornamental pins, etc. Syracuse Ornamental Co. 424,166; Sept. 24; Serial No. 490,982; published July 2, 1946.
Pulls and clips, Bag. Dritz-Traum Company, Inc. 424,140; Sept. 24; Serial No. 479,381; published July 2, 1946.
Straps, Leather wrist watch. E. J. Pearson & Sons Limited. 424,148; Sept. 24; Serial No. 485,591; published July 2, 1946.
Tape and bias binding, Bias. A. F. Wolff. 424,152; Sept. 24; Serial No. 487,400; published June 11, 1946.
Needles. Henry Milward & Sons, Limited. 51,557; re-renewed Apr. 17, 1946. O. G. Sept. 24.
Needles. Henry Milward & Sons, Limited. 52,328; re-renewed May 8, 1946. O. G. Sept. 24.
Needles, Hand sewing. James Smith and Son, (Ridditch) Limited. 211,251; renewed Apr. 6, 1946. O. G. Sept. 24.

CLASS 41

Umbrellas. Sears, Roebuck and Co. 424,134; Sept. 24; Serial No. 471,105; published July 2, 1946.

CLASS 42

Cloths, table covers, napkins, etc., Table. Ellison & Spring, Inc. 424,185; Sept. 24; Serial No. 492,828; published July 2, 1946.
Cotton piece goods. Minot, Hooper & Co. 56,618; re-renewed Oct. 9, 1946. O. G. Sept. 24.
Curtains and curtain materials in the piece, Window House Beautiful Curtains, Inc. 424,167–70; Sept. 24; Serial Nos. 491,013–16; published June 11, 1946.
Fabrics and piece goods, Certain named. Cohn-Hall-Marx Co. 212,105; renewed Apr. 27, 1946. O. G. Sept. 24.
Fabrics in the piece, Textile. Meadtex Fabrics Co. 424,184; Sept. 24; Serial No. 492,723; published July 2, 1946.
Fabrics in the piece, Textile. Shirley Fabrics Corp. 424,205; Sept. 24; Serial No. 494,637; published June 25, 1946.
Piece goods. Abco, Inc. 424,172; Sept. 24; Serial No. 491,225; published July 2, 1946.
Piece goods. Cumberland Cloth Company Limited. 424,142; Sept. 24; Serial No. 480,978; published June 11, 1946.
Silks, Printed and piece dyed. Cheney Brothers. 53,912; re-renewed June 12, 1946. O. G. Sept. 24.
Tablecloths, napkins, kitchen towels, etc. Startex Mills. 424,178; Sept. 24; Serial No. 492,233; published June 11, 1946.
Woolen piece goods. Haber & Company. 219,418; renewed Oct. 12, 1946. O. G. Sept. 24.
Worsted and woolen piece goods. A. D. Juilliard & Co., Inc. 424,138; Sept. 24; Serial No. 476,616; published Apr. 3, 1945.

CLASS 43

Spool-cotton and thread. American Thread Company. 54,861; re-renewed July 31, 1946. O. G. Sept, 24.
Spool-cotton, sewing-cotton, and thread. American Thread Company. 54,863; re-renewed July 31, 1946. O. G. Sept. 24.
Spools, tubes, cones, etc., of silk and cotton threads. Sampson Solarz. 219,062; renewed Oct. 12, 1946. O. G. Sept. 24.
Yarns, Art needlework. Bernhard Ulmann Co. Inc. 424,187; Sept. 24; Serial No. 493,155; published July 2, 1946.
Yarns, Handknitting. McCoy, Jones & Company, Inc. 424,137; Sept. 24; Serial No. 475,434; published July 2, 1946.
Yarns, Rayon. Tubize Rayon Corporation. 424,181; Sept. 24; Serial No. 492,595; published July 2, 1946.

CLASS 45

Beverages, Non-alcoholic tonic. C. B. Bradham. 51,959; re-renewed May 1, 1946. O. G. Sept. 24.
Sirups, Nonalcoholic, maltless. Popsicle Corporation of the United States, The. 219,744; renewed Oct. 26, 1946. O. G. Sept. 24.
Water, Effervescent or carbonated mineral. Manitou Mineral Springs Company. 53,663; re-renewed June 12, 1946. O. G. Sept. 24.

CLASS 46

Bran and bran flakes. Hecker-H-O Company, Inc. 218,466; renewed Sept. 28, 1946. O. G. Sept. 24.
Canned foods. R. J. Quartaroli. 424,144; Sept. 24; Serial No. 482,763; published July 9, 1946.
Canned goods and other food products, Certain. Haas-Lieber Grocery Company. 214,956; renewed July 6, 1946. O. G. Sept. 24.
Canned vegetables. Albert W. Sisk & Son. 217,885; renewed Sept. 14, 1946. O. G. Sept. 24.
Canned vegetables. West Salem Canning Company. 213,392; renewed May 25, 1946. O. G. Sept. 24.
Candy. Paul F. Beich Company. 53,761; re-renewed June 12, 1946. O. G. Sept. 24.
Candy. Paul F. Beich Company. 217,874; renewed Sept. 14, 1946. O. G. Sept. 24.
Candy. Loft, Incorporated. 217,331; renewed Aug. 31, 1946. O. G. Sept. 24.
Candy. The Mirror. 216,047; renewed Aug. 3, 1946. O. G. Sept. 24.
Cheese. A. F. MacLaren Imperial Cheese Co., Limited. 56,704; re-renewed Oct. 16, 1946. O. G. Sept. 24.
Confectionery. Boston Confectionery Company. 193,043; renewed Dec. 16, 1946. O. G. Sept. 24.
Farina and self-raising flour. Hecker-H-O Company, Inc. 217,379; renewed Aug. 31, 1946. O. G. Sept. 24.
Flour, buckwheat, wheat and corn, etc., pancake flour, Pancake. Pillsbury Flour Mills Company. 424,136; Sept. 24; Serial No. 474,354; published June 9, 1946.
Flour, Self-raising. H-O (Hornby's Oatmeal) Company. 55,818; re-renewed Aug. 21, 1946. O. G. Sept. 24.
Flour, Wheat. International Milling Company. 424,135; Sept. 24; Serial No. 471,703; published Aug. 28, 1945.
Foods and flour, Certain cereal. Hecker-H-O Company Inc. 218,937; renewed Oct. 5, 1946. O. G. Sept. 24.
Fruit, grapefruit, satsumas, etc., Fresh citrous. Texas Citrus Fruit Growers Exchange. 213,308; renewed May 25, 1946. O. G. Sept. 24.
Fruits, Dried. Inderrieden Canning Co. 213,534; renewed June 1, 1946. O. G. Sept. 24.
Fruits, Fresh citrous. Texas Citrus Fruit Growers Exchange. 212,309; renewed Apr. 27, 1946. O. G. Sept. 24.
Malt sirup. C. G. McCaffrey. 219,059; renewed Oct. 12, 1946. O. G. Sept. 24.
Malt sirup. C. G. McCaffrey. 219,348; renewed Oct. 19, 1946. O. G. Sept. 24.

Nuts, Shelled. Frank Herfort Canning Co., Inc. 424,245; Sept. 24; Serial No. 500,039; published July 9, 1946.
Oil, Olive. Chaffard & Couderc. 52,244; re-renewed May 1, 1946. O. G. Sept. 24.
Pickles. Squire Dingee Company. 55,837; re-renewed Aug. 21, 1946. O. G. Sept. 24.
Pickles, mustard catchup, etc. Squire Dingee Company. 215,618; renewed July 20, 1946. O. G. Sept. 24.
Pickles, mustard, catchup, etc. Squire Dingee Company. 216,720; renewed Aug. 17, 1946. O. G. Sept. 24.
Starch for food purposes. A. E. Staley. 55,577; re-renewed Aug. 14, 1946. O. G. Sept. 24.
Wheat, Cooked and flaked. "Force" Food Company. 55,816; re-renewed Aug. 21, 1946. O. G. Sept. 24.

CLASS 48

Beer. Robert Porter & Co. Limited. 55,273; re-renewed Aug. 14, 1946. O. G. Sept. 24.
Beverage, A certain described malt. Anheuser-Busch, Inc. 218,959; renewed Oct. 5, 1946. O. G. Sept. 24.

CLASS 49

Whiskey. Wathen & Company. 56,651; re-renewed Oct. 16, 1946. O. G. Sept. 24.

CLASS 50

Waterproof fabrics. Moisture Proof Fabrics, Inc. 424,133; Sept. 24; Serial No. 399,975; published Feb. 8, 1938.

LIST OF DESIGN PATENTEES

Aleks, Vytant, assignor to Ebaloy, Incorporated, Rockford, Ill. Mailbox. 145,608; Sept. 24.

Bach, Alfons, Stamford, Conn., assignor to C. E. Hovey, trustee, Kansas City, Mo. Food dispensing cabinet. 145,609; Sept. 24.

Banick, Stevan, New York, N. Y. Timepiece face. 145,610; Sept. 24.

Butterfield, Easter M., Redondo Beach, Calif. Bottle holder. 145,611; Sept. 24.

Carlson, Charles W., assignor to United States Glass Company, Tiffin, Ohio. Plate. 145,612; Sept. 24.

Carlson, Charles W., assignor to United States Glass Company, Tiffin, Ohio. Plate. 145,613; Sept. 24.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Deutsch, Emanuel, New York, N. Y. Brooch mounted watchbase or similar article. 145,614; Sept. 24.

Ebaloy, Incorporated, assignee: *See*—
Aleks, Vytant.

Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Tie rack. 145,615; Sept. 24.

Freedman, Jules, New York, N. Y. Coat. 145,616; Sept. 24.

Gerber, Albert J., assignor to Gerber Plastic Co., St. Louis, Mo. Food canister. 145,617; Sept. 24.

Gerber Plastic Co., assignee: *See*—
Gerber, Albert J.

Goldberg, Harry, New York, N. Y. Coat. 145,618; Sept. 24.

Gottschalk, Rose, assignor to Edgar C. Hyman Co., New York, N. Y. Scarf. 145,619; Sept. 24.

Graham, Elizabeth N., New York, N. Y. Lipstick case or similar article. 145,620; Sept. 24.

Graham, Elizabeth N., New York, N. Y. Compact or similar article. 145,621; Sept. 24.

Graham, Margaret B., assignor to Edgar C. Hyman Co., New York, N. Y. Scarf. 145,622; Sept. 24.

Hoshafian, Lucy, New York, N. Y. Dress. 145,623; Sept. 24.

Hovey, C. Earl, trustee: *See*—
Bach, Alfons.

Huebner, Edward C., Detroit, Mich. Child's wheeled vehicle. 145,624; Sept. 24.

Hurd, Edwin P., Detroit, Mich., assignor to Hurd Lock & Manufacturing Company. Combined fishing reel and rod seat. 145,625; Sept. 24.

Hurd Lock & Manufacturing Company, assignee: *See*—
Hurd, Edwin P.

Hyman, Edgar C., Co., assignee: *See*—
Gottschalk, Rose.
Graham, Margaret B.

Kahn, Jewel K., assignor to R. W. and C. J. Kerr, copartners, Hastings, Nebr. Scalp massager. 145,626; Sept. 24.

Kass, Henry M., Seattle, Wash. Toy figure. 145,627; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,628; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,629; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,630; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,631; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,632; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,633; Sept. 24.

Kerr, Charlotte J., assignee, et al.: *See*—
Kahn, Jewel K.

Kerr, Raymond W., assignee, et al.: *See*—
Kahn, Jewel K.

Kritske, Jeanette M.: *See*—
Kritske, Victor J. and J. M.

Kritske, Victor J. and J. M., Sheboygan, Wis., assignors of one-half to W. H. Murphy, Chicago, Ill. Fluffed yarn animal figure. 145,634; Sept. 24.

Labich, Fred O., Evanston, Ill. Bottle opener. 145,635; Sept. 24.

McClure, Bernard L., Norwalk, Ohio. Chipping hammer head. 145,636; Sept. 24.

Murphy, William H., assignee: *See*—
Kritske, Victor J. and J. M.

Nineteen Hundred Corporation, assignee: *See*—
Sundberg, Carl W.
Walter, John H.

Reynolds Metals Company, assignee: *See*—
Wemyss, Robert B.

Roos, Charles J., Muskegon, Mich. Boot. 145,637; Sept. 24.

Rosenberg, Myer, Chicago, Ill. Magnifying lens. 145,638; Sept. 24.

Runnels, Garland D., New York, N. Y. Bottle. 145,645; Sept. 24.

Severance, Deane C., Walnut Park, Calif. Cover for food receptacles. 145,646; Sept. 24.

Stewart, Bertram H., New York, N. Y. Jar and bottle cap remover. 145,647; Sept. 24.

Sundberg, Carl W., Detroit, assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Combined washing machine and wringer or similar article. 145,639; Sept. 24.

Sundberg, Carl W., Detroit, assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Casing for washing machines, drying machines, or the like. 145,640; Sept. 24.

Syracuse Ornamental Co., assignee: *See*—
Fisher, Frederic H.

Thomson, John B., Plandome, N. Y. Vise. 145,641; Sept. 24.

United States Glass Company, assignee: *See*—
Carlson, Charles W.

Walter, John H., Detroit, assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Combined washing machine and wringer or similar article.. 145,642; Sept. 24.

Wemyss, Robert B., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Handle for cooking utensils. 145,643; Sept. 24.

Wymer, William C., U. S. Navy, Oregon City, Oreg. Game board. 145,644; Sept. 24.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abel, Franklin W., Franklin, Ind. Pavement slab connecting means. 2,408,133; Sept. 24.

Adams, Charles A., Davenport, Iowa. Electric switch. 2,408,157; Sept. 24.

Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Gertler, Samuel I., and Haller.
Ratchford, William P., and Fisher.
Wells, Percy A., and Swern.

Aiken, Thomas M., Pittsburgh, Pa. Combined lens support and lens hood for folding cameras. 2,408,184; Sept. 24.

Aitchison, Robert B., Staten Island, N. Y., assignor to The Linde Air Products Company. Blowpipe for piercing metal bodies. 2,407,972; Sept. 24.

Alien Property Custodian: *See*—
Hentrich, Winfrid, and Schirm.
Pott, August F.

Aluminum Company of America, assignee: *See*—
Stroup, Philip T., and Willmore.

Aluminum Plant & Vessel Company, The, assignee: *See*—
Hill, Ronald A.

American Car and Foundry Investment Corporation, assignee: *See*—
Stanton, Warren F.

American District Telegraph Company, assignee: *See*—
Donelian, Khatchik O.

American Engineering Company, assignee: *See*—
Lawrence, Howard F.

American Machine and Foundry Company, assignee: *See*—
Johnson, Carl W.

American Swiss Company, The, assignee: *See*—
Rightmyer, Holden W.

American Telephone and Telegraph Company, assignee: *See*—
Davis, Rowland F.
Fay, Frank H., and Reeve.

Andrew, William K., Wauwatosa, and J. J. Lenert, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Work indexing mechanism. 2,407,970; Sept. 24.

Andrews, Earle R.: *See*—
Steans, Lionel H., and Andrews.

Andrews, O. B., Company, assignee: *See*—
Boh, George W.

Anthony Company, assignee: *See*—
Anthony, William C.

Anthony, William C., assignor to Anthony Company, Streator, Ill. Refuse body. 2,408,284; Sept. 24.

Armstrong, George C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotor type contactor. 2,408,185; Sept. 24.

Arnold, Hoffman & Co., Incorporated, assignee: *See*—
Morgan, Willard L.

Arrow-Hart & Hegeman Electric Company, assignee: *See*—
Schleicher, Harold E.

Arvey Corporation, assignee: *See*—
Roach, Earl M.
Shaeffer, Harvey E.

Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Hydraulic device for injection or extrusion machines. 2,408,285; Sept. 24.

Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Catalyst manufacture. 2,408,187; Sept. 24.

Atwell, Harold V., Beacon, and H. H. Gross, Pleasantville, assignors to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,408,186; Sept. 24.

Atwood, Francis C., Newton, Mass., assignor, by mesne assignments, to National Dairy Products Corporation, New York, N. Y. Treating synthetically shaped protein base materials. 2,408,026; Sept. 24.

Atwood, Francis C., Newton, Mass., assignor to National Dairy Products Corporation, New York, N. Y. Treating synthetic proteinaceous fibers. 2,408,027; Sept. 24.

Auflero, John M., Plandome, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Combined electric heater and air circulator. 2,408,286; Sept. 24.

Austin, Bascum O., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulator. 2,408,188; Sept. 24.

Automatic Voting Machine Corporation, assignee: *See*—
Gustavson, Alvin N.

Automotive Products Company, Limited, assignee: *See*—
Simpson, John K.

Aviation Corporation, The, assignee: *See*—
Moyer, Harris P.

Bachman, Charles H., Scotia, N. Y., assignor to General Electric Company. Electron microscope. 2,408,287; Sept. 24.

Baker, Arthur W., Lookout Mountain, Tenn., assignor to Hercules Powder Company, Wilmington, Del. Waterproof explosive cartridge. 2,408,189; Sept. 24.

Baker, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic induction heating of thin-walled nonmagnetic metallic tubes. 2,408,190; Sept. 24.

Barber, Quay C., deceased, Cleveland, Ohio; J. E. Burnside, administrator. Treating machine. 2,408,248; Sept. 24.

Barnes, James F., assignee, trustee: *See*—
Rebholz, Elmer F.

Barnett, Harold M., Long Beach, and R. C. Mosher, Downey, Calif.; said Mosher assignor to said Barnett. Pulp washer. 2,408,191; Sept. 24.

Barrett, William J.: *See*—
Loomis, Chauncey C., and Barrett.

Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Sending and receiving compressional waves. 2,408,028; Sept. 24.

Bazzoni, Charles B., Wallingford, Pa., and J. W. Millington, Beaumont, Tex., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Electrical prospecting apparatus. 2,408,029; Sept. 24.

Beale, Evelyn S. L., Staines, assignor to Alan Muntz & Company Limited, Hounslow, England. Two-stroke piston-controlled engine. 2,408,030; Sept. 24.

Beale, Evelyn S. L., Staines, assignor to Alan Muntz & Company Limited, Hounslow, England. Free piston internal-combustion engine. 2,408,031; Sept. 24.

Beck, Alfred C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling arrangement. 2,408,032; Sept. 24.

Beck, Alfred C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling system. 2,408,033; Sept. 24.

Beckstrom, Harry A., assignor to J. G. Frost, Seattle, Wash. Igniting liquid fuel. 2,407,973; Sept. 24.

Bell, David A., and A. H. A. Wynn, assignors to A. C. Cossor Limited, London, England. Electrical apparatus. 2,408,192; Sept. 24.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Beck, Alfred C.
Coyne, Howard L., Kuhn, and Ross.
Johnson, Kenneth S.
Koos, Paul V.
Lovell, Clarence A., Parkinson, Swartzel, and Weber.
Meacham, Larned A.
Meacham, Larned A., Mohr, and Parker.
Patterson, Everett M.
Shipley, Frank F.
Teal, Gordon K.

Bellare, David, Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder antenna. 2,408,034; Sept. 24.

Belsher, Harold E., Phoenix, Ariz. Air filter. 2,408,158; Sept. 24.

Bendix Aviation Corporation, assignee: *See*—
Bremser, Albert T.

Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Observation system. 2,408,035; Sept. 24.

Beste, Harold E., East Rutherford, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Phase shifter. 2,408,193; Sept. 24.

Black, Theodore R., Tipp City, Ohio. Storage receptacle for toilet paper. 2,407,971; Sept. 24.

Bluhill Foods, Incorporated, assignee: *See*—
Michel, Jacob L.

Boettger, Charles R., Jr., Roselle, T. S. Chambers, Newark, and O. C. Slotterbeck, Rahway, N. J., assignors to Standard Oil Development Company. Electrolytic pinacol production. 2,408,036; Sept. 24.

Boh, George W., assignor to O. B. Andrews Company, Chattanooga, Tenn. Packing wrapper. 2,408,159; Sept. 24.

Borg-Warner Corporation, assignee: *See*—
Orr, Palmer.

Bosshard, Werner: *See*—
Hartmann, Max, Miescher, Kaegi, and Bosshard.

Bourdius, John P., New York, N. Y. Cushion rest attachment for telephone instruments. 2,408,194; Sept. 24.

Bowsher, Edward A. H., H. M. M. d'Assis-Fonseca, and H. J. Ward, London, W. C. 2, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical remote indicating and supervisory system. 2,408,037; Sept. 24.

Bremser, Albert T., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Fuel injection apparatus. 2,408,288; Sept. 24.

Brennan, Joseph B., Euclid, Ohio. Article made of fibrous material. 2,408,038; Sept. 24.

Broido, Daniel, Cockfosters, near Barnet, England. Calculating machine. 2,408,134; Sept. 24.

Brunner, Leo G., Milwaukee, Wis. Exercising and game apparatus. 2,408,160; Sept. 24.

Buud Company, The, assignee: *See*—
Strickland, Harold A., Jr.

Burnside, John E., administrator: *See*—
Barber, Quay C.

Bush, Milton T., Nashville, Tenn., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Barbituric acid compositions. 2,408,289; Sept. 24.

Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Electronic rotation direction finder. 2,408,039; Sept. 24.

Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Distorting direction finder receiver. 2,408,040; Sept. 24.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone & Radio Corporation. Instantaneous visual direction finder. 2,408,041; Sept. 24.

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam. 2,408,015; Sept. 24.

Butler, Seth E., Union City, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Dial. 2,408,042; Sept. 24.

Byer, Henry E., Bernardsville, N. J. Countercurrent condenser. 2,408,290; Sept. 24.

Cadwell, Charles A., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Welding material and process. 2,408,291; Sept. 24.

Cain, John J., Jr., Youngstown, Ohio. Open-hearth furnace repair unit. 2,408,016; Sept. 24.

Calabrese, Conlonel C., Webster Groves, Mo., and J. S. Herold, Greenwich, Conn. Fire hose reel. 2,408,043; Sept. 24.

Camp, Eliza Q.: *See*—
Walsh, David C., Jr., and Camp.

Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Draft mechanism for railway cars. 2,408,195; Sept. 24.

Cantrell, Troy L.: *See*—
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Peters.

Cardarelli, Victor A., Sr., Boston, Mass. Roofing. 2,408,292; Sept. 24.

Carlson, Rudolph E., Jacksonville, Fla. Sprinkler head. 2,408,196; Sept. 24.

Carmel, Alan M., Forest Hills, N. Y. Television system. 2,408,293; Sept. 24.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic conversion of hydrocarbons. 2,408,294; Sept. 24.

Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Erection device for gyroscopes. 2,408,044; Sept. 24.

Celanese Corporation of America, assignee: *See*—
Seymour, George W., and Salvin.

Chambers, Thomas S.: *See*—
Boettger, Charles R., Jr., Chambers, and Slotterbeck.

Chemical Development Corporation, assignee: *See*—
Toulmin, Harry A., Jr.

Chicago Railway Equipment Company, assignee: *See*—
Busse, Edwin G.

Christian, Joseph D., San Francisco, Calif. Speed change unit. 2,407,975; Sept. 24.

Church, Ira L., Reed City, Mich. Saw-tooth setting device. 2,408,197; Sept. 24.

Ciba Pharmaceutical Products, Incorporated, assignee: *See*—
Hartmann, Max, Miescher, Kaegi, and Bosshard.

Clifford, David G.: *See*—
Rigrod, William W., and Clifford.

Clifford, David G., Palo Alto, Calif., and I. E. Mouromtseff, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high-frequency device. 2,407,974; Sept. 24.

Cohn, Lawrence H., University City, Mo. Bottle carrier. 2,408,249; Sept. 24.

Collins Radio Company, assignee: *See*—
Wirkler, Walter H.

Coltman, John W., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high-frequency power measuring device. 2,408,198; Sept. 24.

Combustion Engineering Company, Inc., assignee: *See*—
Crites, Joe.

Commercial Solvents Corporation, assignee: *See*—
Johnson, Harold G.
Morey, Glen H.

Consolidated Car Heating Company, Inc., assignee: *See*—
Parsons, Robert J.

Consolidated Engineering Corporation, assignee: *See*—
Olesen, Raymond C.

Corhart Refractories Company, assignee: *See*—
Field, Theodore E.

Cossin, Hursle E., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Range apparatus. 2,408,295; Sept. 24.

Cossor, A. C., Limited, assignee: *See*—
Bell, David A., and Wynn.

Cotchett, Louis M., Hingham, assignor to Foster Machine Company, Westfield, Mass. Yarn winding machine. 2,408,135; Sept. 24.

Cotton, Frank H., East Barnet, and P. A. Gibbons, London, England; said Gibbons assignor to said Cotton. Reclaiming rubber. 2,408,296; Sept. 24.

Cottrell, Turner R., Neptune, N. J. Line connector. 2,408,045; Sept. 24.

Coyne, Howard L., Rockville Centre, N. Y., J. J. Kuhn, Elizabeth, N. J., and J. E. Ross, Corona, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical resistance unit. 2,408,046; Sept. 24.

Crites, Joe, Evanston, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y. Cyclone dust collector. 2,408,250; Sept. 24.

Crown Cork & Seal Company, Inc., assignee: *See*—
Goebel, George H., and Rau.
Stewart, Robert J.

Cubberley, Richard H., Ridgewood, and F. W. Yeager, Englewood, N. J., assignors to The Patent and Licensing Corporation, New York, N. Y. Bituminous compositions. 2,408,297; Sept. 24.

Cumming, James M., Turtle Creek, and R. C. Cunningham, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,408,199; Sept. 24.

Cummins, Clessie L., assignor to Cummins Engine Company, Inc., Columbus, Ind. Fuel feeding and injection apparatus for oil burning engines. 2,408,298; Sept. 24.

Cummins Engine Company, Inc., assignee: *See*—
Cummins, Clessie L.

Cunningham, Lewis L., Glendale, Calif., assignor to Perfex Corporation, Milwaukee, Wis. Burner control apparatus. 2,408,047; Sept. 24.

Cunningham, Richard C.: *See*—
Cumming, James M., and Cunningham.

Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Drilling apparatus. 2,407,976; Sept. 24.

Curtiss-Wright Corporation, assignee: *See*—
Trimbach, Clem G.

Dantz, Thomas M., Chicago, Ill., assignor to The Ruberoid Co., New York, N. Y. Composite roof. 2,408,251; Sept. 24.

Darnell, Rex C., assignor to King-Seeley Corporation, Ann Arbor, Mich. Speed governor. 2,408,161; Sept. 24.

D'Assis-Fonseca, Harold M.M.: *See*—
Bowsher, E. A. H., d'Assis-Fonseca, and Ward.

Davis, Rowland F., Tuckahoe, N. Y., assignor to American Telephone and Telegraph Company. Selective signaling system. 2,408,299; Sept. 24.

Dawley, Clarence E.: *See*—
Findlay, John H., Dawley, and Pfeiffer.
Slack, Charles M., Dawley, and Pfeiffer.

De Ganahl, Carl, Trenton, N. J., assignor, by mesne assignments, to Kaiser Cargo, Inc., Bristol, Pa. Ammunition. 2,408,252; Sept. 24.

De La Mater, Robert G., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Walking beam structure. 2,408,200; Sept. 24.

Deloraine, Edmond M., and E. Labin, New York, N. Y., assignors to Federal Telephone and Radio Corporation. Radio direction method and system. 2,408,048; Sept. 24.

Derderian, Charles M., Richmond, Va. Clothes hanger. 2,408,201; Sept. 24.

De Rosa, Louis A., West Brighton, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Intelligence transmission system. 2,408,049; Sept. 24.

De Rosa, Louis A., West Brighton, Staten Island, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Visually reproducing signals. 2,408,050; Sept. 24.

Dickman, Robert H., Evansville, Ind. Apparatus for vacuum testing sealed articles. 2,408,202; Sept. 24.

Diebold, Barney A., Irvington, N. J. Guard or protector for electric cables. 2,408,253; Sept. 24.

Dillon, Thomas E., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrolysis of aliphatic sulphonyl chlorides. 2,408,300; Sept. 24.

Donelian, Khatchik O., New York, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Fire and smoke detector and the like. 2,408,051; Sept. 24.

Dow Chemical Company, The, assignee: *See*—
Maasberg, Albert T.

Dreher, Herman W.: *See*—
Garfield, Frederick M., and Dreher.

Dufour, Maurice F.: *See*—
Hills, Robert C., and Dufour.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Beste, Harold E.

Duncan, Neil B.: *See*—
Luce, Charles C., and Duncan.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Dillon, Thomas E.
Pavlic, Albert A.
Peppel, William J.

Du Pont, Stephen, Wilbraham, assignor to Indian Motocycle Company, Springfield, Mass. Suspension unit for vehicle wheels. 2,408,254; Sept. 24.

Duriron Company, Inc., The, assignee: *See*—
Jacobsen, Oystein.

E. A. Laboratories, Inc., assignee: *See*—
Aufiero, John M.

E & J Manufacturing Company, assignee: *See*—
Fox, Le Roy G.

Eames, William F., Westfield, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moving stairway. 2,408,203; Sept. 24.

Early, M. Edward, Rockford, Ill. Lapping and honing machine. 2,408,204; Sept. 24.

Eason, Clarence M., Waukesha, Wis. Clutch. 2,408,301; Sept. 24.

Eaton, Gregory Y., Pasadena, assignor to Technical Surfaces Ltd., Los Angeles, Calif. Spectacle and eyeglass receptacle. 2,408,162; Sept. 24.

Ederer, R. J., Company, assignee: *See*—
Grabowsky, Murray G.

Electric Railway Improvement Company, The, assignee: *See*—
Cadwell, Charles A.

Elliott Bay Mill Co., assignee: *See*—
Miller, William J.

Elliott, Bernard V., and H. C. Price, assignors to H. C. Price Company, Bartlesville, Okla. Hydraulic internal line-up clamp. 2,408,255; Sept. 24.

Enderlin, Max, Madison, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier stack mounting construction. 2,408,052; Sept. 24.

English, William H., Seattle, Wash. Mount for telescopic sights. 2,407,977; Sept. 24.

Enterprise Railway Equipment Company, assignee: *See*—
Campbell, Argyle.

Eriksson, Erik E., Base Line, Mich. Recording device for automobiles. 2,408,302; Sept. 24.

Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Control system. 2,408,303; Sept. 24.

Eyles, Thomas H., assignor to Fosgood Corporation, Leominster, Mass. Toggle system for injection molding machines. 2,407,978; Sept. 24.

Eyre, Charles M. Le G., and J. O. Gilderdale, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Frequency changing network. 2,408,053; Sept. 24.

Fancher, Robert N., Springfield, Mo. Quilting frame. 2,408,205; Sept. 24.

Farmer, Harold O., assignor to Alan Muntz & Company Limited, Hounslow, England. Nonreturn valve. 2,408,056; Sept. 24.

Farmer, Harold O., assignor to Alan Muntz & Company Limited, Hounslow, England. Internal-combustion engine of the free piston type. 2,408,057; Sept. 24.

Fay, Frank H., Huguenot Park, N. Y., and E. W. Reeve, Plainfield, N. J., assignors to American Telephone and Telegraph Company. Telegraph repeater system. 2,408,304; Sept. 24.

Fedders-Quigan Corporation, assignee: *See*—
Lear, Joseph D.

Federal Telephone and Radio Corporation, assignee: *See*—
Bellare, David.
Busignies, Henri G.
Butler, Seth E.
Deloraine, Edmond M., and Labin.
De Rosa, Louis A.
Enderlin, Max.
Grieg, Donald D.
Labin, Emile.
Labin, Emile, and Grieg.
Stearn, Franklin A.
Von Hippel, Arthur.
Young, Norman H., Jr.

Fenn, Emory W., Chicago, Ill., assignor to Firecraft Corporation. Electromechanical interlock for elevator doors. 2,408,054; Sept. 24.

Fereday, Frederick T., Louisville, Ky., assignor to The Union Switch and Signal Company, Swissvale, Pa. Apparatus for railway signal systems. 2,408,206; Sept. 24.

Field, Donald C.: *See*—
Thomas, Robert M., and Field.

Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Cast refractory product. 2,408,305; Sept. 24.

Findlay, John H., Upper Montclair, C. E. Dawley, and A. Pfeiffer, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Controlled electrode for field emission discharge device. 2,407,979; Sept. 24.

Firecraft Corporation, assignee: *See*—
Fenn, Emory W.
Jahn, Clarence M.

Fisher, Charles H.: *See*—
Ratchford, William P., and Fisher.

Fisher Scientific Company, assignee: *See*—
Kruper, Andrew P.

Fiske, Milan D., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency coupling device and system. 2,408,055; Sept. 24.

Florman, Irving, New York, N. Y. Filling arrangement for ball-pointed fountain pens. 2,408,256; Sept. 24.

Flournoy, Algernon F., Shreveport, La. Aerator. 2,408,306; Sept. 24.

Fodor, Andrew S., South Norwalk, Conn. Rotary cutter. 2,408,257; Sept. 24.

Fodor, Ferenz H., assignor to Technical Securities Corporation, Los Angeles, Calif. Landing wheel drive. 2,408,163; Sept. 24.

Fosgood Corporation, assignee: *See*—
Eyles, Thomas H.

Foster, Arch L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst preparation. 2,408,164; Sept. 24.

Foster Machine Company, assignee: *See*—
Cotchett, Louis M.

Fox, Le Roy G., Los Angeles, assignor, by mesne assignments, to E & J Manufacturing Company, Glendale, Calif. Resuscitator insufflator aspirator. 2,408,136; Sept. 24.

Fox Products Company, assignee: *See*—
Henke, Frederick W.

Frost, J. G., assignee: *See*—
Beckstrom, Harry A.

Frost, William F.: *See*—
Hull, Harvard L., Gorrill, and Frost.

Gallagher, William F., Springfield, Mass. Hygroscopic material dispenser. 2,408,058; Sept. 24.

Garfield, Frederick M., and H. W. Dreher, St. Louis, Mo., assignor to Olin Industries, Inc. Manufacture of diazodinitrophenol. 2,408,059; Sept. 24.

Garretson, Harry D., Whitestone, assignor to Philips Metalix Corporation, New York, N. Y. Electrical circuit arrangement. 2,408,017; Sept. 24.

Garrison, Allen D., and K. C. ten Brink, Houston, Tex., assignors to Texaco Development Corporation, New York, N. Y. Treatment of clays. 2,408,207; Sept. 24.

Gartin, Elmer G.: *See*—
Curtin, John C., and Gartin.

George, Fred W., Jr., Lima, Ohio. Multiple-cylinder steam locomotive. 2,407,980; Sept. 24.

General Aniline & Film Corporation, assignee: *See*—
Hassler, Gerald L.

General Electric Company, assignee: *See*—
Bachman, Charles H.
Fiske, Milan D.
Harrison, Howard R.
Pike, Otis W.
Suits, Chauncey G.
Titus, Charles H.
Willard, Waldo W.

General Motors Corporation, assignee: *See*—
Menzies, William E.

Gerbes, Otto, Goose Creek, Tex., assignor to Standard Oil Development Company. Isomerization process. 2,408,018; Sept. 24.

Gretler, Samuel I., and H. L. J. Haller, Washington, D. C., assignors to The United States of America as represented by the Secretary of Agriculture and his successors in office. Insecticide. 2,408,307; Sept. 24.

Gibbons, Percy A.: *See*—
Cotton, Frank H., and Gibbons.

Gilderdale, John O.: *See*—
Eyre, Charles M. Le G., and Gilderdale.

Gillette Safety Razor Company, assignee: *See*—
Muros, Joseph.

Gilliver, Gilbert: *See*—
Grace, Bertram B., Handley, and Gilliver.

Goebel, George, deceased, by H. Goebel, administratrix, and H. A. Rau, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Article handling apparatus. 2,408,019; Sept. 24.

Goebel, Helene: *See*—
Goebel, George H., and Rau.

Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Simplified ground relay. 2,408,208; Sept. 24.

Gorrill, William S.: *See*—
Hull, Harvard L., Gorrill, and Frost.

Gould, William L., Albany, N. Y. Electric iron. 2,408,209; Sept. 24.

Goulds Pumps, Inc., assignee: *See*—
Landberg, Erik G.

Grabowsky, Murray G., assignor to R. J. Ederer Company, Chicago, Ill. Making net. 2,408,308; Sept. 24.

Grace, Bertram B., J. Handley, and G. Gilliver, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical measuring instrument. 2,408,060; Sept. 24.

Gray, Raymond K. and R. L., assignors to The Illinois Lock Company, Chicago, Ill. Padlock. 2,408,137; Sept. 24.

Gray, Rollin L.: *See*—
Gray, Raymond K. and R. L.

Grieg, Donald D.: *See*—
Labin, Emile, and Grieg.

Grieg, Donald D., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Stable pulse generator. 2,408,061; Sept. 24.

Grieg, Donald D., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Signal translator. 2,408,062; Sept. 24.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Multiplex receiver. 2,408,063; Sept. 24.

Gross, Howard H.: *See*—
Atwell, Harold V., and Gross.

Gulf Oil Corporation, assignee: *See*—
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Peters.

Gustavson, Alvin N., Bemus Point, assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machines. 2,407,981; Sept. 24.

Gutoski, Emil, Cicero, Ill. Sliding window screen supporting structure. 2,408,138; Sept. 24.

Gutzeit, Carlos L., Terre Haute, Ind., assignor to Shell Development Company. Dehydrogenation process. 2,408,139; Sept. 24.

Gutzeit, Carlos L., Terre Haute, Ind., assignor to Shell Development Company, San Francisco, Calif. Dehydrogenation catalyst. 2,408,140; Sept. 24.

Hall, Selden H., assignor to James L. Taylor Mfg. Co., Poughkeepsie, N. Y. Continuous gluing machine. 2,408,064; Sept. 24.

Haller, Herbert L. J.: *See*—
Gertler, Samuel I., and Haller.

Handley, John: *See*—
Grace, Bertram B., Handley, and Gilliver.

Hanna, Clinton R., Pittsburgh, and S. J. Mikina, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Acceleration-responsive governor systems. 2,407,982; Sept. 24.

Hansen, Donald W., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Starch-melamine molding composition. 2,408,065; Sept. 24.

Harper, Orvie D., Vandalia, Ill., assignor to Standard Oil Development Company. Completion of wells. 2,407,983; Sept. 24.

Harper, Raymond L.: *See*—
Kowaski, Frank, and Harper.

Harrawood, Luther A., Broughton, Ill. Fluorescent switch starter. 2,408,165; Sept. 24.

Harrison, Howard R., Upper Darby, Pa., assignor to General Electric Company. Portable mounting for electric switches. 2,408,309; Sept. 24.

Hartman, Max, and K. Miescher, Riehen, H. Kaegi, Basel, and W. Bosshard, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Pyridine-3-acetic acid and derivatives thereof and preparing the same. 2,408,020; Sept. 24.

Hassler, Gerald L., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Mechanism for contact printing. 2,408,310; Sept. 24.

Hawkins, Eugene R., Compton, Calif. Life saving device. 2,408,166; Sept. 24.

Heddleson, Fred A., and A. C. Weierich, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Commutator construction. 2,408,210; Sept. 24.

Heil, Theodore, Berkeley, Calif. Toy. 2,408,141; Sept. 24.

Hellman, Joseph R., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Toaster casing structure. 2,407,984; Sept. 24.

Hemphill, William B.: *See*—
Shimek, Edwin J., and Hemphill.

Henke, Frederick W., assignor to Fox Products Company, Philadelphia, Pa. Machine tool. 2,407,985; Sept. 24.

Hentrich, Winfrid, Rodleben, near Dessau-Rosslau, Anhalt, and E. Schirm, Dessau, Anhalt, Germany; vested in the Alien Property Custodian. P-amino-benzenesulphamide derivatives. 2,408,066; Sept. 24.

Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic alkylation process. 2,408,167; Sept. 24.

Hercules Powder Company, assignee: *See*—
Baker, Arthur W.

Herold, John S.: *See*—
Calabrese, Conlonel C., and Herold.

Herzig, Henry A., Port Washington, N. Y., assignor to Sperry Gyroscope Company, Inc. Inertia absorber. 2,408,067; Sept. 24.

Hetzel, Eugene N., St. Louis, Mo., and G. E. Taylor, Anniston, Ala., assignors to Monsanto Chemical Company. Stabilized acid sodium pyrophosphate and making it. 2,408,258; Sept. 24.

Hill Brothers Veneer Co., assignee: *See*—
McKee, Halbert.

Hill, Ronald A., Wandsworth, London, assignor to The Aluminum Plant & Vessel Company Limited, London, England. Treatment of liquids. 2,408,021; Sept. 24.

Hills, Robert C., and M. F. Dufour, assignors to Nicaro Nickel Company, New York, N. Y. Removal of sulphur in recovery of nickel. 2,408,311; Sept. 24.

Hodnette, John K., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical induction apparatus. 2,408,211; Sept. 24.

Hodnette, John K., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical induction apparatus. 2,408,212; Sept. 24.

Hofer, Laurence F., Oswego, Oreg. Rear view mirror. 2,408,168; Sept. 24.

Hoffer, James F., Detroit, assignor to Superdraulic Corporation Dearborn, Mich. Level work supporting structure. 2,408,169; Sept. 24.

Holbro, Theodor, Basel, W. Kern, Sissach, and P. Sutter, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Vat dyestuff and making same. 2,408,259; Sept. 24.

Hollenbeck, Ernest L., Glendale, Calif. Comb. 2,408,142; Sept. 24.

Horeczy, Joseph T.: *See*—
Wadley, Edward F., and Horeczy.

Hubbert, Leslie S., Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Press control. 2,408,312; Sept. 24.

Huber, John K., Lakewood, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric circuit controller. 2,408,213; Sept. 24.

Huebner, William C., New York, N. Y. Apparatus for multicolor printing with electro lines of force. 2,408,143; Sept. 24.

Huebner, William C., New York, N. Y. Printing. 2,408,144; Sept. 24.

Hull, Harvard L., East Williston, W. S. Gorrill, Hempstead, and W. F. Frost, Williston Park, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic positional control of objects. 2,408,068; Sept. 24.

Hull, Harvard L., East Williston, W. S. Gorrill, Brooklyn, and W. F. Frost, Williston Park, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gun positioning system. 2,408,069; Sept. 24.

Hull, Harvard L., East Williston, and D. J. Munroe, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y System for positioning heavy objects. 2,408,070; Sept. 24.

Hunter, Lyle R., Clairton, and O. C. Levander, McKeesport, Pa. Photoelectric counter. 2,408,313; Sept. 24.

Hurley, Samuel C., Jr., Danville, Ill. Device for rotating rounds. 2,408,170; Sept. 24.

Husted, Harry A., St. Clair, Mich. High traction sole and heel. 2,408,214; Sept. 24.

Hydraulic Development Corp., Inc., The, assignee: *See*—
Ashbaugh, Bernard D.
Ernst, Walter.
Hubbert, Leslie S.

Hyler, Loiell L.: *See*—
Peterson, Oscar R., and Hyler.

Illinois Lock Company, The, assignee: *See*—
Gray, Raymond K. and R. L.

Illinois Tool Works, assignee: *See*—
Poupitch, Ouglјesa J.

Imperial Chemical Industries Limited, assignee: *See*—
Smith Sydney H.

Indian Motocycle Company, assignee: *See*—
du Pont, Stephen.

International Standard Electric Corporation, assignee: *See*—
Bowsher, Edward A. H., d'Assis-Fonseca, and Ward.
Busignies, Henri G.
Eyre, Charles M. L. G., and Gilderdale.
Grace, Bertram B., Handley, and Gilliver.
Labin, Emile.

Interstate Bakeries Corporation, assignee: *See*—
Jones, Ap T.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Shaft seal. 2,408,314; Sept. 24.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Shaft seal. 2,408,315; Sept. 24.

Jarman, Vincent G., Watchung, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Adjustment fixture. 2,408,316; Sept. 24.

Jasco, Incorporated, assignee: *See*—
Kearby, Kenneth K.
Thomas, Robert M., and Field.

Jahn, Clarence M., Chicago, Ill., assignor to Firecraft Corporation. Adjustable hinge. 2,408,071; Sept. 24.

Johnson, Carl W., Brooklyn, N. Y., assignor to American Machine and Foundry Company. Stitch length adjusting mechanism. 2,407,986; Sept. 24.

Johnson, Elmer L., Chicago, Ill. Garment hanger. 2,408,145; Sept. 24.

Johnson, Harold G., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of 2-methyl-1,2-propanediamine. 2,408,171; Sept. 24.

Johnson, Harold G., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of diamines. 2,408,172; Sept. 24.

Johnson, Kenneth S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone repeater circuit. 2,408,072; Sept. 24.

Jones, Ap T., Chicago, Ill., assignor to Interstate Bakeries Corporation, Kansas City, Mo. Banded bread loaf package. 2,408,317; Sept. 24.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping uppers over lasts. 2,408,022; Sept. 24.

Josephs, Abraham I., New York, N. Y. Interchangeable hat construction. 2,408,318; Sept. 24.

Joy Manufacturing Company, assignee: *See*—
Curtis, John C., and Gartin.
Wineman, Wade H.

Joyce-Cridland Company, The, assignee: *See*—
Simonton, William L.

Kaegi, Hans: *See*—
Hartmann, Max, Miescher, Kaegi, and Bosshard.

Kaiser Cargo, Inc., assignee: *See*—
De Ganahl, Carl.

Kanuch, John: *See*—
Oliver, Delbert S., and Kanuch.

Kauffman, Bergie L.: *See*—
Miller, Joshua, and Kauffman.

Kearby, Kenneth K., Elizabeth, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Dehydrogenation of hydrocarbons. 2,408,146; Sept. 24.

Kearney & Trecker Corp., assignee: *See*—
Andrew, William K., and Lenert.

Keating, George H., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Catalyst production. 2,408,215; Sept. 24.

Kellogg, John L., assignor to John L. Kellogg & Co., Chicago, Ill. Making coffee extracts. 2,408,260; Sept. 24.

Kellogg, John L., & Co., assignee: *See*—
Kellogg, John L.

Kern, Walter: *See*—
Holbro, Theodor, Kern, and Sutter.

Kestenman Bros. Mfg. Co., assignee: *See*—
Valcourt, Louis E.

Kickland, Clara I., Aberdeen, Wash. Suspender for artificial legs. 2,408,073; Sept. 24.

Kilgore, George R., Verona, N. J., assignor to Radio Corporation of America. Beam deflection electron discharge. 2,408,216; Sept. 24.

King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,408,217; Sept. 24.

King-Seeley Corporation, assignee: *See*—
Darnell, Rex C.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Abrasive articles. 2,408,319; Sept. 24.

Koos, Paul V., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter switchboard. 2,408,074; Sept. 24.

Kowalski, Frank, Jr., U. S. Army, Camp Chaffee, Ark., and R. L. Harper, U. S. Army, Camp Bowie, Tex. Oil well pump. 2,408,075; Sept. 24.

Kneale, Ralph M., Cleveland Heights, Ohio. Transfer sheet. 2,408,147; Sept. 24.

Kruper, Andrew P., Waterbury, Conn., assignor to Fisher Scientific Company, Pittsburgh, Pa. Spectrophotometric system. 2,408,023; Sept. 24.

Kuhlik, Hattie B., assignee: *See*—
Kuhlik, Jacob M.

Kuhlik, Jacob M., Brooklyn, assignor to Hattie B. Kuhlik, Sea Gate, N. Y. Sound recording and reproducing machine. 2,408,320; Sept. 24.

Kuhn, John J.: *See*—
Coyne, Howard L., Kuhn, and Ross.

Labin, Emile: *See*—
Deloraine, Edmond M., and Labin.

Labin, Emile, assignor to International Standard Electric Corporation, New York, N. Y. Pulse transmitter. 2,408,076; Sept. 24.

Labin, Emile, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Multichannel system. 2,408,077; Sept. 24.

Labin, Emile, and D. D. Grieg, New York, N. Y., assignors to Federal Telephone and Radio Corporation. Constant width synchronized pulse generator. 2,408,078; Sept. 24.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation. Pulse discriminator. 2,408,079; Sept. 24.

Lakatos, Louis L., Bela-Cynwyd, Pa., assignor to Radio Corporation of America. Pulse generator. 2,408,261; Sept. 24.

Landberg, Erik G., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Multistage centrifugal pump. 2,407,987; Sept. 24.

Larsson, Sven, Ekeby, Almby, Sweden. Locking mechanism. 2,408,024; Sept. 24.

Lawrence, Howard F., assignor, by mesne assignments, to American Engineering Company, Philadelphia, Pa. Stoker. 2,408,321; Sept. 24.

Lear, Joseph D., assignor, by mesne assignments, to Fedders-Quigan Corporation, Buffalo, N. Y. Machine for winding fin stocks. 2,408,322; Sept. 24.

Leavitt Machine Company, The, assignee: *See*—
Wilcox, Philip E.

Lenehan, Bernard E., Bloomfield, and G. J. Wey, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical measuring instrument. 2,408,218; Sept. 24.

Lenert, Joseph J.: *See*—
Andrew, William K., and Lenert.

Le Tourneau, R. G., Inc., assignee: *See*—
Peterson, Oscar R., and Hyler.

Levander, Oliver C.: *See*—
Hunter, Lyle R., and Levander.

Lincoln Engineering Company, assignee: *See*—
Smith, Kaye A.

Linde Air Products Company, The, assignee: *See*—
Aitchison, Robert B.

Liwschitz, Michael, Brooklyn, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polyphase multipolar winding. 2,408,219; Sept. 24.

Lloyd, Edward C., Takoma Park, Md. Power transmission device. 2,408,080; Sept. 24.

Lockhart, Margaret L., assignee: *See*—
Lockhart, Marshall L.

Lockhart, Marshall L., assignor of one-half to M. L. Lockhart, Detroit, Mich. Hypodermic syringe. 2,408,323; Sept. 24.

Lone Star Gas Company, assignee: *See*—
Martin, James W.

Long, Sidney L., Minneapolis, Minn. Top. 2,408,262; Sept. 24.

Longbotham, Thomas, Portland, Oreg. Diamond charged saw blade and making same. 2,408,148; Sept. 24.

Loomis, Chauncey C., Lee, and W. J. Barrett, assignors to New England Lime Company, Adams, Mass. Hydrated dolomitic limes and reducing the plasticity of aqueous suspensions thereof. 2,408,324; Sept. 24.

Lovell, Clarence A., and D. B. Parkinson, Maplewood, K. D. Swartzel, Jr., Teaneck, N. J., and B. T. Weber, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artillery predictor. 2,408,081; Sept. 24.

Luce, Charles L., McKeesport, and N. B. Duncan, Pittsburgh, Pa., assignors to National Tube Company. Working tubular articles. 2,408,325; Sept. 24.

Luckhaupt, Christopher, Jamaica, N. Y., assignor to Luckite Processes, Inc., Delawanna, N. J. Treating cellulose matter with terpene dihydrochloride. 2,407,988; Sept. 24.

Luckhaupt, Christopher, Jamaica, N. Y., assignor to Luckite Processes, Inc., Delawanna, N. J. Treating cellulose matter with terebene. 2,407,989; Sept. 24.

Luckite Processes, Inc., assignee: *See*—
Luckhaupt, Christopher.

Lum, John C., Union, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stripping of copper from zinc. 2,408,220; Sept. 24.

Lurie, Benjamin L., Chicago, Ill. Pipe wrench. 2,407,990; Sept. 24.

Maasberg, Albert T., Huntsville, Ala., assignor to The Dow Chemical Company, Midland, Mich. Preparing alkali soluble methyl cellulose. 2,408,326; Sept. 24.

Mabee, John E., assignee, et al.: *See*—
Schuetz, Thomas J., and Turnquist.

Mack, Wayne E., Martins Ferry, Ohio, assignor, by mesne assignments, to Wheeling Steel Corporation, Wheeling, W. Va. Expanded metal load bearing structure. 2,408,082; Sept. 24.

Mack, Wayne E., Martins Ferry, Ohio, assignor, by mesne assignments, to Wheeling Steel Corporation, Wheeling, W. Va. Expanded metal load bearing structure. 2,408,083; Sept. 24.

Mahlstadt, Sampson D.: *See*—
Miller, Leslie W., and Mahlstadt.

Mallinckrodt Chemical Works, assignee: *See*—
Bush, Milton T.

Marmon-Herrington Company, Inc., assignee: *See*—
Schon, Pierre.

Martin, Charles W., Chattanooga, Tenn. Sewing machine attachment. 2,408,025; Sept. 24.

Martin, Glenn L., Company, The, assignee: *See*—
Miller, Leslie T.
Soenke, John E.

Martin, James W., assignor to Lone Star Gas Company, Dallas, Tex. Vaporizing apparatus. 2,408,084; Sept. 24.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of aromatic hydrocarbon materials. 2,408,173; Sept. 24.

Maytag Company, The, assignee: *See*—
Smith, Thomas R.

Mazzarisi, Vito, Clifton, N. J. Toaster. 2,408,263; Sept. 24.

McClure, Fred B., assignor of one-fourth to W. L. Stroup, Moundsville, W. Va. Driving axle for motor vehicles. 2,408,264; Sept. 24.

McCullough, Otis J., assignor to McCullough Tool Company, Houston, Tex. Pipe releasing device. 2,407,991; Sept. 24.

McCullough Tool Company, assignee: *See*—
McCullough, Otis J.

McFarlane, Edwin C., Brooklyn, N. Y. Plan folding machine. 2,407,992; Sept. 24.

McKee, Halbert, Nineveh, assignor of two-thirds to Hill Brothers Veneer Co., Edinburg, Ind. Hoist and transporting device. 2,407,993; Sept. 24.

McLean, Leland O., assignor to The Osgood Company, Marion, Ohio. Fluid pressure clutch mechanism. 2,408,327; Sept. 24.

McLemore, Price C., Montgomery, Ala. Apparatus for cultivation of plants. 2,408,328; Sept. 24.

Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,408,085; Sept. 24.

Meacham, Larned A., Summit, N. J., M. E. Mohr, Jamaica, N. Y., and C. V. Parker, Washington, D. C., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse system. 2,408,086; Sept. 24.

Meadow, Jacob R., Lexington, Ky., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation process. 2,408,329; Sept. 24.

Menzies, William E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Reversible single phase capacitor motor. 2,407,994; Sept. 24.

Merrell, Wm. S., Company, The, assignee: *See*—
Shelton, Robert S., and Van Campen, Jr.

Michel, Jacob L., assignor to Bluhill Foods, Incorporated, Denver, Colo. Automatic means responsive to quantity of material in discharging receiver for controlling delivery from source. 2,408,221; Sept. 24.

Miescher, Karl: *See*—
Hartman, Max, Miescher, Kaegi, and Bosshard.

Mikina, Stanley J.: *See*—
Hanna, Clinton R., and Mikina.

Miles, James C., Cleveland, Ohio. Hot-air furnace. 2,408,087; Sept. 24.

Miller, Joshua, Drexel Park, Pa., and B. L. Kauffman, Collingswood, N. J. Improvement in parachute harness. 2,408,088; Sept. 24.

Miller, Leslie T., Stoneleigh, assignor to The Glenn L. Martin Company, Middle River, Md. Automatic dilution system. 2,408,265; Sept. 24.

Miller, Leslie T., Stoneleigh, assignor to The Glenn L. Martin Company, Middle River, Md. Automatic dilution system control valve. 2,408,266; Sept. 24.

Miller, Leslie W., and S. D. Mahlstadt, Waverly, Iowa. Apparatus for embedding an elongated flexible member in a moldable material. 2,408,149; Sept. 24.

Miller, William J., assignor to Elliott Bay Mill Co., Seattle, Wash. Resilient hold-down device. 2,408,330; Sept. 24.

Millington, John W.: *See*—
Bazzoni, Charles B., and Millington.

Mills Engineering Company, assignee: *See*—
Mills, Herbert E.

Mills, Herbert E., assignor, by mesne assignments, to Mills Engineering Company, Detroit, Mich. Air-conditioned electric cooking oven. 2,408,331; Sept. 24.

Moeller, William C., Kansas City, Mo. Pocket dispenser. 2,408,150; Sept. 24.

Mohr, Milton E.: *See*—
Meacham, Larned A., Mohr, and Parker.

Monsanto Chemical Company, assignee: *See*—
Hetzel, Eugene N., and Taylor.

Moore, George A., Jr., executor, et al.: *See*—
Moore, George A.

Moore, George A., Medford, Mass., G. A., Jr., H., and L. Moore, executors of said G. A. Moore, deceased. Setscrew. 2,408,267; Sept. 24.

Moore, Harrington, executor, et al.: *See*—
Moore, George A.

Moore, Lawrence, executor, et al.: *See*—
Moore, George A.

Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Vinyl resin coating compositions. 2,408,174; Sept. 24.

Morgan, Willard L., Columbus, Ohio, assignor to Arnold, Hoffman & Co. Incorporated. Water soluble resinous condensates. 2,408,332; Sept. 24.

Mosher, Rupert C.: *See*—
Barnett, Harold M., and Mosher.

Mouromtseff, Ilia A.: *See*—
Clifford, David G., and Mouromtseff.

Moyer, Harris P., Toledo, Ohio, assignor to The Aviation Corporation, New York, N. Y. Producing fillets. 2,407,995; Sept. 24.

Munroe, David J.: *See*—
Hull, Harvard L., and Munroe.

Muntz, Alan & Company Limited, assignee: *See*—
Beale, Evelyn S. L.
Farmer, Harold O.
Muntz, Frederick A. I.

Muntz, Frederick A. I., assignor to Alan Muntz & Company Limited, Hounslow, England. Internal-combustion engine. 2,408,089; Sept. 24.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade package. 2,408,222; Sept. 24.

Musher Foundation Incorporated, assignee: *See*—
Musher, Sidney.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Lubricating oils. 2,408,090; Sept. 24.

Nash, Herbert G., Kew Gardens, N. Y. Rotary gate valve. 2,408,223; Sept. 24.

Nash-Kelvinator Corporation, assignee: *See*—
Cossin, Hursle E.

National Dairy Products Corporation, assignee: *See*—
Atwood, Francis C.

National Tube Company, assignee: *See*—
Luce, Charles C., and Duncan.

New England Lime Company, assignee: *See*—
Loomis, Chaucey C., and Barrett.

New Jersey Zinc Company, The, assignee: *See*—
Rodda, John L.

New York Air Brake Company, The, assignee: *See*—
Pickert, Lynn I.
Sudduth, Henry N.

Nicaro Nickel Company, assignee: *See*—
Hills, Robert C., and Dufour.

Nies, William L., Wheaton, Ill. Stroboscopic apparatus for phonographs. 2,407,996; Sept. 24.

Nisenson, Jules, assignor to Publix Metal Products, Inc., New York, N. Y. Venetian blind cord-locking construction. 2,408,333; Sept. 24.

Norton Company, assignee: *See*—
Kistler, Samuel S.

Ogukuos Metalix Corporation, assignee: *See*—
Garretson, Harry D.

Olesen, Raymond C., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Electrical regulating system. 2,408,091; Sept. 24.

Olin Industries, Inc., assignee: *See*—
Garfield, Frederick M., and Dreher.

Oliver, Delbert S., Euclid, assignor to Pesco Products Co., Cleveland, Ohio. Lapping method and machine. 2,408,334; Sept. 24.

Oliver, Delbert S., Euclid, and J. Kanuch, Cleveland, Ohio, assignors to Pesco Products Co. Torque wrench. 2,408,335; Sept. 24.

Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,408,336; Sept. 24.

Osgood Company, The, assignee: *See*—
McLean, Leland O.

Palmer, John B., Los Angeles, Calif. Campaign badge. 2,408,224; Sept. 24.

Panzer, William C., Chicago, Ill. Knockdown stool or the like. 2,408,337; Sept. 24.

Parker, Carlyle V.: *See*—
Meacham, Larned A., Mohr, and Parker.

Parker, Paul T.: *See*—
Squires, Walter, Jr., and Parker.

Parkersburg Rig & Reel Company, The, assignee: *See*—
De La Mater, Robert G.

Parkinson, David B.: *See*—
Lovell, C. A., Parkinson, Swartzel, and Weber.

Parsons, Robert J., Schenectady, assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Hydraulic device. 2,408,338; Sept. 24.

Patent and Licensing Corporation, The, assignee: *See*—
Cubberley, Richard H., and Yeager.

Patterson, Everett M., Waterbury, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire-wound resistance and making same. 2,408,092; Sept. 24.

Patterson, Everett M., Waterbury, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making wire-wound card-type resistance devices. 2,408,093; Sept. 24.

Patterson, John A., Westfield, N. J., assignor to Standard Oil Development Company. Separation and purification of isoprene. 2,407,997; Sept. 24.

Patton, James R., Jr.: *See*—
Truax, Robert C., Stiff, Schubert, Patton, and Youngquist.

Pavlic, Albert A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process. 2,408,094; Sept. 24.

Peillon, Paul, assignor to Salvage & Marine Company of Egypt, S. A. E., Cairo, Egypt. Electric underwater welding. 2,408,175; Sept. 24.

Peppel, William J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Highly useful compounds. 2,408,095; Sept. 24.

Perfex Corporation, assignee: *See*—
Cunningham, Lewis L.

Pesco Products Co., assignee: *See*—
Oliver, Delbert S.
Oliver, Delbert S., and Kanuch.

Peters, John G.: *See*—
Smith, Herschel G., Cantrell, and Peters.

Peterson, Oscar R., Peoria, and L. L. Hyler, Washington, Ill., assignors to R. G. Le Tourneau, Inc., Stockton, Calif. Adjustable push grader. 2,408,268; Sept. 24.

Peterson, William R., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Valve bag filling, weighing, and discharging apparatus. 2,408,225; Sept. 24.

Peterson, William R., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostatic controller for water temperature. 2,408,269; Sept. 24.

Pfeiffer, Andrew: *See*—
Findlay, John H., Dawley, and Pfeiffer.
Slack, Charles M., Bawley, and Pfeiffer.

Phillips, Maxwell E., Stockton, Calif. Transport tower. 2,408,151; Sept. 24.

Phillips Petroleum Company, assignee: *See*—
Carney, Samuel.
Foster, Arch L.
Hepp, Harold J.
Matuszak, Maryan P.

Pickert, Lynn I., Watertown, N. Y., assignor to The New York Air Brake Company. Variable load brake. 2,408,123; Sept. 24.

Pierce, John S., Richmond, Va., and J. H. Wotiz, Pittsburgh, Pa.; said Wotiz assignor to said Pierce. Polyhydroxyamino compounds. 2,408,096; Sept. 24.

Pike, Otis W., Schenectady, N. Y., assignor to General Electric Company. Heating apparatus. 2,408,339; Sept. 24.

Porcelli, Alfonso, Brooklyn, N. Y. Antiskid canvas device. 2,408,152; Sept. 24.

Pott, August F., Zella-Mehlis 11, Thuringia, Germany; vested in the Alien Property Custodian. Calculating machine for performing division. 2,408,097; Sept. 24.

Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastening device. 2,408,340; Sept. 24.

Price, H. C., Company, assignee: *See*—
Elliott, Bernard V., and Price.

Price, Harold C.: *See*—
Elliott, Bernard V., and Price.

Pringle, Mark A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control scheme. 2,408,226; Sept. 24.

Proulx, Jean, Hull, Quebec, Canada. Cover for the suction boxes of papermaking machines. 2,408,176; Sept. 24.

Publix Metal Products, Inc., assignee: *See*—
Nisenson, Jules.

Radio Corporation of America, assignee: *See*—
Kilgore, George R.
Lakatos, Louis L.
Roberds, Wesley M.
Turner, Alfred H.

Ramsey, Jesse A., Wenonah, N. J. Tiltable shelves drill holder case. 2,408,227; Sept. 24.

Ratchford, William P., Willow Grove, and C. H. Fisher, Abington, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Improved process for the manufacture of methyl acrylate by the thermal decomposition of methyl alpha-acetoxypropionate. 2,408,177; Sept. 24.

Rau, Harry A.: *See*—
Goebel, George, and Rau.

Raytheon Manufacturing Company, assignee: *See*—
Spencer, Percy L.

Rebholz, Elmer F., Chicago, Ill., assignor to James F. Barnes, as trustee. Game. 2,408,270; Sept. 24.

Reeve, Elmer W.: *See*—
Fay, Frank H., and Reeve.

Remco Electronic, Inc., assignee: *See*—
Toomim, Hershel.

Richards, Carrol H., Boston, Mass. Impact tool mechanism. 2,408,228; Sept. 24.

Richardson, Henry K., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lamp base. 2,407,998; Sept. 24.

Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Vehicle door latch. 2,407,999; Sept. 24.

Rigrod, William W., Bloomfield, and D. G. Clifford, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coaxial terminal assembly. 2,408,271; Sept. 24.

Roach, Earl M., assignor to Arvey Corporation, Chicago, Ill. Structural toy. 2,408,272; Sept. 24.

Roberds, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Electrical heating apparatus. 2,408,229; Sept. 24.

Rodda, John L., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Alloy. 2,408,341; Sept. 24.

Rodda, John L., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Alloy. 2,408,342; Sept. 24.

Rolfes, Hans J., Melrose, Johannesburg, Transvaal, Union of South Africa. Safeguarding electric igniters of blasting detonators against accidental firing. 2,408,124; Sept. 24.

Rolfes, Hans J., Melrose, Johannesburg, Transvaal, Union of South Africa. Safeguarding electric igniters of blasting detonators against accidental firing. 2,408,125; Sept. 24.

Ross, John E.: *See*—
Coyne, Howard L., Kuhn, and Ross.

Rothweiler, Charles O., Milwaukee, Wis. Level. 2,408,343; Sept. 24.

Ruberoid Co., The, assignee: *See*—
Dantz, Thomas M.

Sager, Robert H., University Heights, Ohio. Sunshade and other auxiliary spectacles. 2,408,273; Sept. 24.

St. Regis Paper Company, assignee: *See*—
Peterson, William R.

Salvage & Marine Company of Egypt, assignee: *See*—
Peillon, Paul.

Salvin, Victor S.: *See*—
Seymour, George W., and Salvin.

Sandusky, Julius, Toronto, Ontario, Canada. Electrolyte level control device for storage batteries. 2,408,178; Sept. 24.

Schade Valve Manufacturing Company, assignee: *See*—
Schiller, Joseph F.

Schiller, Joseph F., Drexel Hill, assignor to Schade Valve Manufacturing Company, Philadelphia, Pa. Valve. 2,408,000; Sept. 24.

Schirm, Erik: *See*—
Hentrich, Winfrid, and Schirm.

Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Spring mounting and assembly for snap-action electric switches. 2,408,274; Sept. 24.

Schon, Pierre, assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Dual motor control. 2,408,098; Sept. 24.

Schubert, William: *See*—
Truax, Robert C., Stiff, Schubert, Patton, and Youngquist.

Schuetz, Thomas J., assignee, et al.: *See*—
Schuetz, Thomas J., and Turnquist.

Schuetz, Thomas J., and E. W. Turnquist, assignors, by mesne assignments, to J. E. Mabee, T. J. Schuetz, and L. Stephenson, all of Tulsa, Okla. Friction brake. 2,408,179; Sept. 24.

Schülle, Georges C., Buenos Aires, Argentina. Apparatus for inflating tires. 2,408,126; Sept. 24.

Scurrah, William, Toronto, Ontario, Canada. Coat hanger or wall rack. 2,408,344; Sept. 24.

Seymour, George W., and V. S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America. Condensation process. 2,408,127; Sept. 24.

Shaeffer, Harvey E., assignor to Arvey Corporation, Chicago, Ill. Toy flying machine. 2,408,275; Sept. 24.

Shell Development Company, assignee: *See*—
Gutzeit, Carlos L.

Shelton, Robert S., Mariemont, and M. G. Van Campen, Jr., Deer Park, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Composition of matter and method. 2,408,345; Sept. 24.

Sherman, Albert, Hampton, Va. Variable-area nozzle for jet-propelled aircraft. 2,408,099; Sept. 24.

Shimek, Edwin J., and W. B. Hemphill, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gain-control system for seismic amplifiers. 2,408,001; Sept. 24.

Shipley, Frank F., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph permutation code signal translator. 2,408,100; Sept. 24.

Shoupp, William E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Measuring apparatus. 2,408,230; Sept. 24.

Shrader, Chalmon J., Henrico County, Va. Electrical ground clamp. 2,408,276; Sept. 24.

Shurtliff, Alfred J., Pocatello, Idaho. Baby jumper. 2,408,002; Sept. 24.

Silver, Albert L., and A. Stein, Dallas, Tex. Shirt construction. 2,408,180; Sept. 24.

Simonton, William L., assignor to The Joyce-Cridland Company, Dayton, Ohio. Lifting mechanism. 2,308,181; Sept. 24.

Simpson, John K., assignor to Automotive Products Company Limited, Leamington Spa, England. Liquid pressure remote control system. 2,408,003; Sept. 24.

Skilton, Harry A., Watertown, Conn. Tiltable rotary power-driven work-holding unit. 2,408,231; Sept. 24.

Slack, Charles M., Glen Ridge, and C. E. Dawley, and A. Pfeiffer, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Constant voltage field emission arc discharge device. 2,408,004; Sept. 24.

Slatis, Abraham, Chicago, Ill. Shell pattern and casting therewith. 2,408,005; Sept. 24.

Slotterbeck, Ober C.: *See*—
Boettger, Charles R., Jr., Chambers, and Slotterbeck.

Slotterbeck, Ober C., Rahway, N. J., assignor to Standard Oil Development Company. Electrolytic production of pinacols. 2,408,101; Sept. 24.

Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Oil compositions. 2,408,102; Sept. 24.

Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil composition. 2,408,103; Sept. 24.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Chemical compounds and processes. 2,408,232; Sept. 24.

Smith, Kaye A., Overland, assignor to Lincoln Engineering Company, St. Louis, Mo. Piston. 2,408,346; Sept. 24.

Smith, Sydney H., Manchester, England, assignor to Imperial Chemical Industries Limited. Screw-threaded closure device. 2,408,233; Sept. 24.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Hydraulic valve construction. 2,408,006; Sept. 24.

Society of Chemical Industry in Basle, assignee: *See*—
Holbro, Theodor, Kern, and Sutter.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Meadow, Jacob R.
Shimek, Edwin J., and Hemphill.

Soenke, John E., assignor to The Glenn L. Martin Company, Baltimore, Md. Gun control device. 2,408,277; Sept. 24.

Speare's, Alden, Sons Co., The, assignee: *See*—
Thompson, Willis F.

Spencer, Percy L., West Newton, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Tunable magnetron. 2,408,234; Sept. 24.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. High efficiency magnetron. 2,408,235; Sept. 24.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetron casing. 2,408,236; Sept. 24.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Tunable magnetron. 2,408,237; Sept. 24.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Space discharge device. 2,408,238; Sept. 24.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device. 2,408,239; Sept. 24.

Sperry Gyroscope Company, Inc., assignee: *See*—
Carter, Leslie F.
Herzig, Henry A.
Hull, Harvard L., Gorrill, and Frost.
Hull, Harvard L., and Munroe.
Varian, Russell H.

Sperry-Sun Well Surveying Company, assignee: *See*—
Bazzoni, Charles B., and Millington.

Sprouse, Verner E., Columbus, Ind. Worm adjusting double wrap hose clamp. 2,408,347; Sept. 24.

Squires, Walter, Jr., and P. T. Parker, Baton Rouge, La., assignors to Standard Oil Development Company. Coagulation process. 2,408,128; Sept. 24.

Staley, A. E., Manufacturing Company, assignee: *See*—
Hansen, Donald W.

Standard Oil Development Company, assignee: *See*—
Boettger, Charles R., Jr., Chambers, and Slotterbeck.
Gerbes, Otto.
Harper, Orvie D.
Patterson, John A.
Slotterbeck, Ober C.
Squires, Walter, Jr., and Parker.
Voorhies, Alexis, Jr.
Wadley, Edward F., and Horeczy.
Walsh, David C., Jr., and Camp.
Williams, Philip S.

Stanton, Gladys P., administratrix: *See*—
Stanton, Warren F.

Stanton, Warren F., Pawtucket, R. I., assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y. Fuel mixture control. 2,408,104; Sept. 24.

Stanton, Warren F., Pawtucket, R. I., assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y. Fuel mixture control. 2,408,348; Sept. 24.

Stanton, Warren F., deceased, by G. P. Stanton, administratrix, Pawtucket, R. I., assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y. Fuel mixture control. 2,408,349; Sept. 24.

Starret, Howard A., U. S. Army. Storage tank. 2,408,105; Sept. 24.

Steans, Lionel H., and E. R. Andrews, Los Angeles, Calif. Fastening device. 2,408,153; Sept. 24.

Stearn, Franklin A., Westfield, N. J., assignor to Federal Telephone & Radio Corporation. Drop signal with vibration lock. 2,408,106; Sept. 24.

Steel Processing Company, assignee: *See*—
Urquhart, Norman J.

Stein, Abraham: *See*—
Silver, Albert L., and Stein.

Stephenson, Logan, assignee, et al.: *See*—
Schuetz, Thomas J., and Turnquist.

Stewart, Robert J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for mixing and filling beverages. 2,408,107; Sept. 24.

Stiff, Ray C., Jr.: *See*—
Truax, Robert C., Stiff, Schubert, Patton, and Youngquist.

Stokes, Edward A.: *See*—
Vokes, Cecil B., and Stokes.

Stone, Andrew J., New York, N. Y. Quick-freezing apparatus for food articles. 2,408,154; Sept. 24.

Stone, Ordell E., Lake Mills, Wis. Sanitary pipe washer. 2,408,240; Sept. 24.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Electric furnace machine. 2,408,350; Sept. 24.

Stroup, Philip T., and C. B. Willmore, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Metal recovery. 2,408,278; Sept. 24.

Stroup, W. L., assignee: *See*—
McClure, Fred B.

Sturbelle, Lucien C., New York, N. Y. Production of aluminum. 2,408,241; Sept. 24.

Submarine Signal Company, assignee: *See*—
Batchelder, Laurence.
Benioff, Hugo.
Turner, Edwin E., Jr.

Sudduth, Henry N., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,408,129; Sept. 24.

Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Current-limiting fuse. 2,408,351; Sept. 24.

Sun Chemical Corporation, assignee: *See*—
Wekeman, Stephen N.

Superdraulic Corporation, assignee: *See*—
Hoffer, James F.

Sutter, Paul: *See*—
Holbro, Theodor, Kern, and Sutter.

Swartzel, Karl D., Jr.: *See*—
Lovell, Clarence A., Parkinson, Swartzel, and Weber.

Swern, Daniel: *See*—
Wells, Percy A., and Swern.

Taylor, George E.: *See*—
Hetzel, Eugene N., and Taylor.

Taylor, James L., Mfg. Co., assignee: *See*—
Hall, Selden H.

Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television image production. 2,408,108; Sept. 24.

Technical Securities Corporation, assignee: *See*—
Fodor, Ferenz H.

Technical Surfaces Ltd., assignee: *See*—
Eaton, Gregory Y.

Ten Brink, Karl C.: *See*—
Garrison, Allen D., and ten Brink.

Texaco Development Corporation, assignee: *See*—
Garrison, Allen D., and ten Brink.

Texas Company, The, assignee: *See*—
Atwell, Harold V., and Gross.
Keating, George H.

Thomas, Robert M., Union, and D. C. Field, Linden, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Recovery of low-temperature polymerization products. 2,408,007; Sept. 24.

Thompson, Willis F., Portland, Maine, assignor to The Alden Speare's Sons Co., Cambridge, Mass. Pump. 2,408,109; Sept. 24.

Thornbury, Sydney G., assignor to Turco Products, Inc., Los Angeles, Calif. Composition for and method of cleaning and coating metal. 2,408,155; Sept. 24.

Thresh, Frank R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun-charging mechanism. 2,408,110; Sept. 24.

Tipton, Elizabeth B., executrix: *See*—
Tipton, William D.

Tipton, William D., deceased, Stoneleigh, Md.; E. B. Tipton, executrix. Hydrodynamic transmission. 2,408,008; Sept. 24.

Titus, Charles H., Philadelphia, Pa., assignor to General Electric Company. Gas cooling arrangement for circuit interrupters. 2,408,352; Sept. 24.

Titus, Thomas L., assignor to The Wyott Manufacturing Company, Cheyenne, Wyo. Fountain pump. 2,408,009; Sept. 24.

Titus, Thomas L., Cheyenne, Wyo., assignor to The Wyott Manufacturing Company, Cheyenne, Wyo. Measuring trap chamber with barometric cutoff. 2,408,156; Sept. 24.

Toomim, Hershel, Douglaston, assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Regenerative bass compensation circuit. 2,408,242; Sept. 24.

Toulmin, Harry A., Jr., Oakwood, assignor, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio. Pigmented resin gel. 2,408,353; Sept. 24.

Trimbach, Clem G., Eggertsville, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Arresting gear. 2,408,354; Sept. 24.

Truax, Robert C., R. C. Stiff, Jr., W. Schubert, and J. R. Patton, Jr., U. S. Navy, and R. Youngquist, Annapolis, Md. Two-stage rocket system. 2,408,111; Sept. 24.

Truax, Robert C., R. C. Stiff, Jr., W. Schubert, and J. R. Patton, Jr., U. S. Navy, and R. Youngquist, Annapolis, Md. Rocket motor cooling system. 2,408,112; Sept. 24.

Turco Products Inc., assignee: *See*—
Thornbury, Sydney G.

Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Concentric line oscillator. 2,408,355; Sept. 24.

Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,408,113; Sept. 24.

Turnquist, Edwin N.: *See*—
Schuetz, Thomas J., and Turnquist.

Union Switch and Signal Company, The, assignee: *See*—
Fereday, Frederick T.

United Shoe Machinery Corporation, assignee: *See*—
Jorgensen, Bernhardt.
Thresh, Frank R.

Urquhart, Norman J., Scenery Hill, assignor to Steel Processing Company, Pittsburgh, Pa. Furnace atmosphere control. 2,408,114; Sept. 24.

Valcourt, Louis E., East Providence, assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Clasp for watch braclets or the like. 2,408,279; Sept. 24.

Van Campen, Marcus G., Jr., assignee: *See*—
Shelton, Robert S., and Van Campen, Jr.

Vapor Car Heating Company, Inc., assignee: *See*—
Peterson, William R.
Varian, Russell H., Wantagh, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Stereoscopic viewer. 2,408,115; Sept. 24.
Vartanian, John G., Hanford, Calif. Hose coupling. 2,408,243; Sept. 24.
Vokes, Cecil G., and E. A. Stokes, said Stokes assignor to Vokes Limited, London, England. Filter cleaning mechanism. 2,408,130; Sept. 24.
Vokes Limited, assignee: *See*—
Vokes, Cecil G., and Stokes.
Von Hippel, Arthur, Weston, Mass., assignor to Federal Telephone & Radio Corporation. Selenium coated elements and making them. 2,408,116; Sept. 24.
Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Dehydrogenating hydrocarbons. 2,408,131; Sept. 24.
Wadley, Edward F., and J. T. Horeczy, Baytown, Tex., assignors to Standard Oil Development Company. Purification of ethylene. 2,408,010; Sept. 24.
Walsh, David C., Jr., and E. Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company. Preventing the corrosion of distillation equipment. 2,408,011; Sept. 24.
Walter, Zachary T., Los Angeles, Calif. Mold and forming plastics thereon. 2,408,245; Sept. 24.
Walter, Zachary T., Los Angeles, Calif. Aerial cargo landing container. 2,408,246; Sept. 24.
Ward, Hugh J.: *See*—
Bowsher, E. A. H., d'Assis-Fonseca, and Ward.
Watkins, Clayton J., Forest City, N. C. Wrist watch band and protector. 2,408,244; Sept. 24.
Weber, Bruce T.: *See*—
Lovell, C. A., Parkinson, Swartzel, and Weber.
Weeks, Sanford J., Elyria, Ohio. Automatic top. 2,408,132; Sept. 24.
Welerich, Andrew C.: *See*—
Heddleson, Fred A., and Welerich.
Wekeman, Stephen N., Saddle River Township, N. J., assignor to Sun Chemical Corporation. Camera. 2,408,247; Sept. 24.
Wells, Percy A., Abington, and D. Swern, Melrose Park, Pa., assignors to The United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Derivatives of isoascorbic acid. 2,408,182; Sept. 24.
Western Electric Company, Incorporated, assignee: *See*—
Jarman, Vincent G.
Westinghouse Electric Corporation, assignee: *See*—
Armstrong, George C.
Austin, Bascum O.
Baker, Robert M.
Clifford, David G., and Mouromtseff.
Coltman, John W.
Cumming, James M., and Cunningham.
Eames, William F.
Findlay, John H., Dawley, and Pfeiffer.
Goldsborough, Shirley L.
Hanna, Clinton R., and Mikina.
Heddleson, Fred A., and Welerich.
Heilman, Joseph R.
Hodnette, John K.
Huber, John K.
King, George E.
Lenehan, Bernard E., and Wey.
Liwschitz, Michael.
Lum, John C.
Pringle, Mark A.
Richardson, Henry K.
Westinghouse Electric Corporation, assignee: *See*—Continued.
Rigrod, William W., and Clifford.
Shoupp, William E.
Slack, Charles M., Dawley, and Pfeiffer.
Wey, George J.: *See*—
Lenehan, Bernard E., and Wey.
Wheeling Steel Corporation, assignee: *See*—
Mack, Wayne E.
Wilcox, Philip E., New York, N. Y., assignor to The Leavitt Machine Company, Orange, Mass. Apparatus for refacing gate valves. 2,408,280; Sept. 24.
Wilkin, James G., New Hurley, N. Y. Window sash. 2,408,281; Sept. 24.
Willard, Waldo W., Schenectady, N. Y., assignor to General Electric Company. Sighting mechanism. 2,408,356; Sept. 24.
Williams, Philip S., Tulsa, Okla., assignor to Standard Oil Development Company. Well logging. 2,408,012; Sept. 24.
Willmore, Charles B.: *See*—
Stroup, Philip T., and Willmore.
Wineman, Wade H., Michigan City, Ind., assignor to Joy Manufacturing Company. Pumping apparatus. 2,408,013; Sept. 24.
Wineman, Wade H., Michigan City, Ind., assignor to Joy Manufacturing Company. Pumping apparatus. 2,408,014; Sept. 24.
Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Azimuth radio direction finding system. 2,408,118; Sept. 24.
Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Heterodyne radio direction finding system. 2,408,119; Sept. 24.
Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Radio direction finding system. 2,408,120; Sept. 24.
Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Direction finding system with frequency shift. 2,408,121; Sept. 24.
Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Heterodyne direction finder with single receiver. 2,408,122; Sept. 24.
Wisconsin Alumni Research Foundation, assignee: *See*—
Wolf, Frank M.
Wolf, Frank M., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Fuel distribution system for high-temperature pebble bed furnaces. 2,408,282; Sept. 24.
Wolfe, Asher M., Bloomsburg, Pa. Navigation computer. 2,408,357; Sept. 24.
Wollin, Morey E., Brookline, Mass. Lock. 2,408,283; Sept. 24.
Wood, George, Toronto, Ontario, Canada. Automatic drain device for cooling system. 2,408,183; Sept. 24.
Wotiz, John H.: *See*—
Pierce, John S., and Wotiz.
Wynn, Arthur H. A.: *See*—
Bell, David A., and Wynn.
Wyott Manufacturing Company, The, assignee: *See*—
Titus, Thomas L.
Yates, Sheppard B., Hamlet, N. C. Distributor for stokers. 2,408,358; Sept. 24.
Yeager, Frank W.: *See*—
Cubberley, Richard H., and Yeager.
Young, Norman H., Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Reproduction of intelligence. 2,408,117; Sept. 24.
Youngquist, Robertson: *See*—
Truax, Robert C., Stiff, Schubert, Patton, and Youngquist.

LIST OF DESIGN INVENTIONS

Animal figure, Fluffed yarn. V. J. and J. M. Kritski. 145,634; Sept. 24.
Boot. C. J. Roos. 145,637; Sept. 24.
Bottle. G. D. Runnels. 145,645; Sept. 24.
Brooch mounted watchbase or similar article. E. Deutsch. 145,614; Sept. 24.
Brooch or similar article. A. Katz. 145,628–33; Sept. 24.
Cabinet, Food dispensing. A. Bach. 145,609; Sept. 24.
Canister, Food. A. J. Gerber. 145,617; Sept. 24.
Case or similar article, Lipstick. E. N. Graham. 145,620; Sept. 24.
Casing for washing machines, drying machines, or the like. C. W. Sundberg. 145,640; Sept. 24.
Coat. J. Freedman. 145,616; Sept. 24.
Coat. H. Goldberg. 145,618; Sept. 24.
Compact or similar article. E. N. Graham. 145,621; Sept. 24.
Cover for food receptacles. D. C. Severance. 145,646; Sept. 24.
Dress. L. Hoshafian. 145,623; Sept. 24.
Game board. W. C. Wymer. 145,644; Sept. 24.
Hammer head, Chipping. B. L. McClure. 145,636; Sept. 24.
Handle for cooking utensils. R. B. Wemyss. 145,643; Sept. 24.
Holder, Bottle. E. M. Butterfield. 145,611; Sept. 24.
Jar and bottle cap remover. B. H. Stewart. 145,647; Sept. 24.
Lens, Magnifying. M. Rosenberg. 145,638; Sept. 24.
Mailbox. V. Aleks. 145,608; Sept. 24.
Massager, Scalp. J. K. Kahn. 145,626; Sept. 24.
Opener, Bottle. F. O. Labich. 145,635; Sept. 24.
Plate. C. W. Carlson. 145,612–13; Sept. 24.
Rack, Tie. F. H. Fisher. 145,615; Sept. 24.
Reel and rod seat, Combined fishing. E. P. Hurd. 145,625; Sept. 24.
Scarf. R. Gottschalk. 145,619; Sept. 24.
Scarf. M. B. Graham. 145,622; Sept. 24.
Timepiece face. S. Banick. 145,610; Sept. 24.
Toy figure. H. M. Kass. 145,627; Sept. 24.
Vehicle, Child's wheeled. E. C. Huebner. 145,624; Sept. 24.
Vise. J. B. Thomson. 145,641; Sept. 24.
Washing machine and wringer or similar article, Combined. C. W. Sundberg. 145,639; Sept. 24.
Washing machine and wringer or similar article, Combined. J. H. Walter. 145,642; Sept. 24.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF SEPTEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles. S. S. Kistler. 2,408,319; Sept. 24.
Absorber, Inertia. H. A. Herzig. 2,408,067; Sept. 24.
Acid compositions, Barbituric. M. T. Bush. 2,408,289; Sept. 24.
Acid sodium pyrophosphate and making it, Stabilized. E. N. Hetzel and G. E. Taylor. 2,408,258; Sept. 24.
Adjusting mechanism, Stitch length. C. W. Johnson. 2,407,986; Sept. 24.
Aerator. A. F. Flournoy. 2,408,306; Sept. 24.
Aerial cargo landing container. Z. T. Walter. 2,408,246; Sept. 24.
Air brake. H. N. Sudduth. 2,408,129; Sept. 24.
Air filter. H. E. Belsher. 2,408,158; Sept. 24.
Alkali-soluble methyl cellulose, Preparing. A. T. Maasberg. 2,408,326; Sept. 24.
Alkylation process. J. R. Meadow. 2,408,329; Sept. 24.
Alloy. J. L. Rodda. 2,408,341–2; Sept. 24.
Aluminum, Production of. L. C. Sturbelle. 2,408,241; Sept. 24.
Ammunition. C. de Ganahl. 2,408,252; Sept. 24.
Antenna, Direction finder. D. Bellare. 2,408,034; Sept. 24.
Apparatus for cultivating of plants. P. C. McLemore. 2,408,328; Sept. 24.
Apparatus for embedding an elongated flexible member in a moldable material. L. W. Miller and S. D. Mahlstadt. 2,408,149; Sept. 24.
Apparatus for inflating tires. G. C. Schule. 2,408,126; Sept. 24.
Apparatus for mixing and filling beverages. R. J. Stewart. 2,408,107; Sept. 24.
Apparatus for multicolor printing with electro lines of force. W. C. Huebner. 2,408,143; Sept. 24.
Apparatus for railway signal systems. F. T. Fereday. 2,408,206; Sept. 24.
Apparatus for refacing gate valves. P. E. Wilcox. 2,408,280; Sept. 24.
Apparatus for submarine signaling. E. E. Turner, Jr. 2,408,113; Sept. 24.
Apparatus for vacuum testing sealed articles. R. H. Dickman. 2,408,202; Sept. 24.
Arrangement for circuit interrupters, Gas cooling. C. H. Titus. 2,408,352; Sept. 24.
Arresting gear. C. G. Trimbach. 2,408,354; Sept. 24.
Article made of fibrous material. J. B. Brennan. 2,408,038; Sept. 24.
Atmosphere control, Furnace. N. J. Urquhart. 2,408,114; Sept. 24.
Automatic dilution system control valve. L. T. Miller. 2,408,266; Sept. 24.
Automatic means responsive to quantity of material in discharging receiver for controlling delivery from source. J. L. Michel. 2,408,221; Sept. 24.
Axle for motor vehicles, Driving. F. B. McClure. 2,408,264; Sept. 24.
Badge, Campaign. J. B. Palmer. 2,408,224; Sept. 24.
Bag filling, weighing, and discharging apparatus, Valve. W. R. Peterson. 2,408,225; Sept. 24.
Band and protector, Wrist watch. C. J. Watkins. 2,408,244; Sept. 24.
Base, Lamp. H. K. Richardson. 2,407,998; Sept. 24.
Beam structure, Walking. R. G. De La Mater. 2,408,200; Sept. 24.
Bearing, Expanded metal load. W. E. Mack. 2,408,082–3; Sept. 24.
Bituminous compositions. R. H. Cubberley and F. W. Yeager. 2,408,297; Sept. 24.
Blade and making same, Diamond charged saw. T. Longbotham. 2,408,148; Sept. 24.
Blowpipe for piercing metal bodies. R. B. Aitchison. 2,407,972; Sept. 24.
Body, Refuse. W. C. Anthony. 2,408,284; Sept. 24.
Bottle carrier. L. H. Cohn. 2,408,249; Sept. 24.
Brake: *See*—
  Air brake. Variable load brake.
  Friction brake.
Brake beam, Railway. E. G. Busse. 2,408,015; Sept. 24.
Calculating machine. D. Broido. 2,408,134; Sept. 24.
Camera. S. N. Wekeman. 2,408,247; Sept. 24.
Canvas device, Antiskid. A. Porcelli. 2,408,152; Sept. 24.
Carrier: *See*—
  Bottle carrier.
Cartridge, Waterproof explosive. A. W. Baker. 2,408,189; Sept. 24.
Case: *See*—
  Tiltable shelves drill holder case.
Casing, Magnetron. P. L. Spencer. 2,408,236; Sept. 24.
Casing structure, Toaster. J. R. Heilman. 2,407,984; Sept. 24.

Catalyst, Dehydrogenation. C. L. Gutzeit. 2,408,140; Sept. 24.
Catalyst manufacture. H. V. Atwell. 2,408,187; Sept. 24.
Catalyst preparation. A. L. Foster. 2,408,164; Sept. 24.
Catalyst production. G. H. Keating. 2,408,215; Sept. 24.
Catalytic alkylation process. H. J. Hepp. 2,408,167; Sept. 24.
Cellulose matter with terebene, Treating. C. Luckhaupt. 2,407,989; Sept. 24.
Cellulose matter with terpene dihydrochloride, Treating. C. Luckhaupt. 2,407,988; Sept. 24.
Chemical compounds and processes. H. G. Smith and T. L. Cantrell. 2,408,232; Sept. 24.
Circuit: *See*—
  Telephone repeater circuit
Circuit arrangement, Electrical. H. D. Garretson. 2,408,017; Sept. 24.
Circuit breaker. J. M. Cumming and R. C. Cunningham. 2,408,199; Sept. 24.
Circuit controller, Electric. J. K. Huber. 2,408,213; Sept. 24.
Clamp: *See*—
  Electrical ground clamp. Worm adjusting double
  Hydraulic internal line-u warp hose clamp.
  clamp.
Clasp for watch bracelets or the like. L. E. Valcourt. 2,408,279; Sept. 24.
Clays, Treatment of. A. D. Garrison and K. C. ten Brink. 2,408,207; Sept. 24.
Cleaning and coating metal, Composition for and method of. S. G. Thornbury. 2,408,155; Sept. 24.
Cleaning mechanism, Filter. C. G. Vokes and E. A. Stokes. 2,408,130; Sept. 24.
Closure device, Screw-threaded. S. H. Smith. 2,408,233; Sept. 24.
Clothes hanger. C. M. Derderian. 2,408,201; Sept. 24.
Clutch. C. M. Eason. 2,408,301; Sept. 24.
Clutch mechanism, Fluid pressure. L. O. McLean. 2,408,327; Sept. 24.
Coagulation process. W. Squires, Jr., and P. T. Parker. 2,408,128; Sept. 24.
Coat hanger or wall rack. W. Scurrah. 2,408,344; Sept. 24.
Coating compositions, Vinyl resin. G. H. Morey. 2,408,174; Sept. 24.
Coffee extracts, Making. J. L. Kellogg. 2,408,260; Sept. 24.
Collector, Cyclone dust. J. Crites. 2,408,250; Sept. 24.
Comb. E. L. Hollenbeck. 2,408,142; Sept. 24.
Communication system. L. A. Meacham. 2,408,085; Sept. 24.
Commutator construction. F. A. Heddleson and A. C. Weierich. 2,408,210; Sept. 24.
Composition of matter and method. R. S. Shelton and M. G. Van Campen, Jr. 2,408,345; Sept. 24.
Compounds, Highly used. W. J. Peppel. 2,408,095; Sept. 24.
Compressional waves, Sending and receiving. L. Batchelder. 2,408,028; Sept. 24.
Computer, Navigation. A. M. Wolfe. 2,408,357; Sept. 24.
Condensation process. G. W. Seymour and V. S. Salvin. 2,408,127; Sept. 24.
Condenser: *See*—
  Counter-current condenser.
Condenser, Countercurrent. H. E. Byer. 2,408,290; Sept. 24.
Connecting means, Pavement slab. F. W. Abel. 2,408,133; Sept. 24.
Connector: *See*—
  Line connector.
Constant voltage field emission arc discharge device. C. M. Slack, C. E. Dawley, and A. Pfeiffer. 2,408,004; Sept. 24.
Constant width synchronized pulse generator. E. Labin and D. D. Grieg. 2,408,078; Sept. 24.
Contactor, Rotor type. G. C. Armstrong. 2,408,185; Sept. 24.
Container: *See*—
  Aerial cargo landing container.
Control apparatus, Burner. L. L. Cunningham. 2,408,047; Sept. 24.
Control device for storage batteries, Electrolyte level. J. Sandusky. 2,408,178; Sept. 24.
Control device, Gun. J. E. Soenke. 2,408,277; Sept. 24.
Control of objects, Automatic positional. H. L. Hull, W. S. Gorrill, and W. F. Frost. 2,408,068; Sept. 24.
Control scheme. M. A. Pringle. 2,408,226; Sept. 24.

Control system. W. Ernst. 2,408,303; Sept. 24.
Control system. G. E. King. 2,408,217; Sept. 24.
Control system, Liquid pressure remote. J. K. Simpson. 2,408,003; Sept. 24.
Controller for water temperature, Thermostatic. W. R. Peterson. 2,408,269; Sept. 24.
Cooling system, Rocket motor. R. C. Truax, R. C. Stiff, Jr., W. Schubert, J. R. Patton, Jr., and R. Youngquist. 2,408,112; Sept. 24.
Copper from zinc, Stripping of. J. C. Lum. 2,408,220; Sept. 24.
Cord-locking construction, Venetian blind. J. Nisenson. 2,408,333; Sept. 24.
Corrosion of distillation equipment, Preventing the. D. C. Walsh, Jr., and E. Q. Camp. 2,408,011; Sept. 24.
Counter, Photoelectric. L. R. Hunter and O. C. Levander. 2,408,313; Sept. 24.
Coupling: *See*—
  Hose coupling.
Coupling arrangement. A. C. Beck. 2,408,032; Sept. 24.
Coupling device and system, Ultra high frequency. M. D. Fiske. 2,408,055; Sept. 24.
Coupling system. A. C. Beck. 2,408,033; Sept. 24.
Cover for the suction boxes of papermaking machines. J. Proulx. 2,408,176; Sept. 24.
Cutter: *See*—
  Rotary cutter.
Dehydrogenation process. C. L. Gutzeit. 2,408,139; Sept. 24.
Detector and the like, Fire and smoke. K. O. Donelian. 2,408,051; Sept. 24.
Device for rotating rounds. S. C. Hurley, Jr. 2,408,170; Sept. 24.
Dial. S. E. Butler. 2,408,042; Sept. 24.
Diamines, Preparation of. H. G. Johnson. 2,408,172; Sept. 24.
Diazodinitrophenol, Manufacture of. F. M. Garfield and H. W. Dreher. 2,408,059; Sept. 24.
Dilution system, Automatic. L. T. Miller. 2,408,265; Sept. 24.
Direction finder, Electronic rotation. H. G. Busignies. 2,408,039; Sept. 24.
Direction finder, Instantaneous visual. H. G. Busignies. 2,408,041; Sept. 24.
Direction finder receiver, Distorting. H. G. Busignies. 2,408,040; Sept. 24.
Direction finder with single receiver, Heterodyne. W. H. Wirkler. 2,408,122; Sept. 24.
Direction finding system with frequency shift. W. H. Wirkler. 2,408,121; Sept. 24.
Direction method and system, Radio. E. M. Deloraine and E. Labin. 2,408,048; Sept. 24.
Discharge device, Space. P. L. Spencer. 2,408,238–9; Sept. 24.
Discriminator, Pulse. E. Labin and D. D. Grieg. 2,408,079; Sept. 24.
Dispenser: *See*—
  Hygroscopic dispenser. Pocket dispenser.
Distribution system for high-temperature pebble bed furnaces, Fuel. F. M. Wolf. 2,408,282; Sept. 24.
Distributor for stokers. S. B. Yates. 2,408,358; Sept. 24.
Draft mechanism for railway cars. A. Campbell. 2,408,195; Sept. 24.
Drain device for cooling system, Automatic. G. Wood. 2,408,183; Sept. 24.
Drilling apparatus. J. C. Curtis and E. G. Gartin. 2,407,976; Sept. 24.
Drive, Landing wheel. F. H. Fodor. 2,408,163; Sept. 24.
Dyestuff and making same, Vat. T. Holbro, W. Kern, and P. Sutter. 2,408,259; Sept. 24.
Electric iron. W. L. Gould. 2,408,209; Sept. 24.
Electric switch. C. A. Adams. 2,408,157; Sept. 24.
Electrical apparatus. D. A. Bell and A. H. A. Wynn. 2,408,192; Sept. 24.
Electrical ground clamp. C. J. Shrader. 2,408,276; Sept. 24.
Electrode for field emission discharge device, Controlled. J. H. Findlay, C. E. Dawley, and A. Pfeiffer. 2,407,979; Sept. 24.
Electron discharge device, Beam deflection. G. R. Kilgore. 2,408,216; Sept. 24.
Engine: *See*—
  Free piston internal-com- Two stroke piston control
  bustion engine. engine.
  Internal-combustion engine.
Erection device for gyroscopes. L. F. Carter. 2,408,044; Sept. 24.
Ethylene, Purification of. E. F. Wadley and J. T. Horecz. 2,408,010; Sept. 24.
Exercising and game apparatus. L. G. Brunner. 2,408,160; Sept. 24.
Fastening device. O. J. Poupitch. 2,408,340; Sept. 24.
Fastening device. L. H. Steans and E. R. Andrews. 2,408,153; Sept. 24.
Feeding and injection apparatus for oil-burning engines, Fuel. C. L. Cummins. 2,408,298; Sept. 24.
Feeding device for injection or extrusion machine. B. D. Ashbaugh. 2,408,285; Sept. 24.
Fillets, Producing. H. P. Moyer. 2,407,995; Sept. 24.
Filling arrangement for ball-pointed fountain pens. I. Florman. 2,408,256; Sept. 24.
Filter: *See*—
  Air filter.
Fire hose reel. C. C. Calabrese and J. S. Herold. 2,408,043; Sept. 24.
Fixture, Adjustable. V. G. Jarman. 2,408,316; Sept. 24.
Folding machine, Plan. E. C. McFarlane. 2,407,992; Sept. 24.
Fountain pump. T. L. Titus. 2,408,009; Sept. 24.
Frame: *See*—
  Quilting frame.
Free piston internal-combustion engine. E. S. L. Beale. 2,408,031; Sept. 24.
Friction brake. T. J. Schuetz and E. W. Turnquist. 2,408,179; Sept. 24.
Fuel, Igniting liquid. H. A. Beckstrom. 2,407,973; Sept. 24.
Furnace: *See*—
  Hot-air furnace.
Furnace machine, Electric. H. A. Strickland, Jr. 2,408,350; Sept. 24.
Furnace repair unit, Open-hearth. J. J. Cain, Jr. 2,408,016; Sept. 24.
Fuse, Current-limiting. C. G. Suits. 2,408,351; Sept. 24.
Gain-control system for seismic amplifiers. E. J. Shimek and W. B. Hemphill. 2,408,001; Sept. 24.
Game. E. F. Rebholz. 2,408,270; Sept. 24.
Garment hanger. E. L. Johnson. 2,408,145; Sept. 24.
Gluing machine, Continuous. S. H. Hall. 2,408,064; Sept. 24.
Gear: *See*—
  Arresting gear.
Generator: *See*—
  Constant width synchro- Pulse generator.
  nized pulse generator. Stable pulse generator.
Governor, Speed. R. C. Darnell. 2,408,161; Sept. 24.
Governor systems, Acceleration-responsive. C. R. Hanna and S. J. Mikina. 2,407,982; Sept. 24.
Grader, Adjustable push. O. R. Peterson and L. L. Hyler. 2,408,268; Sept. 24.
Guard or protector for electric cables. B. A. Diebold. 2,408,253; Sept. 24.
Gun-charging mechanism. F. R. Thresh. 2,408,110; Sept. 24.
Gun positioning system. H. L. Hull, W. S. Gorrill, and W. F. Frost. 2,408,069; Sept. 24.
Handling apparatus, Article. G. Goebel. 2,408,019; Sept. 24.
Hanger: *See*—
  Clothes hanger. Garment hanger.
Harness, Improvement in parachute. J. Miller and B. L. Kauffman. 2,408,088; Sept. 24.
Hat construction, Interchangeable. A. I. Josephs. 2,408,318; Sept. 24.
Heater and air circulator, Combined electric. J. M. Auflero. 2,408,286; Sept. 24.
Heating apparatus. O. W. Pike. 2,408,339; Sept. 24.
Heating apparatus, Electrical. W. M. Roberds. 2,408,229; Sept. 24.
Heating of thin-walled nonmagnetic metallic tubes, Magnetic induction. R. M. Baker. 2,408,190; Sept. 24.
Hinge, Adjustable. C. M. Jahn. 2,408,071; Sept. 24.
Hoist and transporting device. H. McKee. 2,407,993; Sept. 24.
Hold-down device, Resilient. W. J. Miller. 2,408,330; Sept. 24.
Hose coupling. J. G. Vartanian. 2,408,243; Sept. 24.
Hot-air furnace. J. C. Miles. 2,408,087; Sept. 24.
Hydraulic device. R. J. Parsons. 2,408,338; Sept. 24.
Hydraulic internal line-up clamp. B. V. Elliott and H. C. Price. 2,408,255; Sept. 24.
Hydrocarbon materials, Treatment of aromatic. M. P. Matuszak. 2,408,173; Sept. 24.
Hydrocarbons, Catalytic conversion of. H. V. Atwell and H. H. Gross. 2,408,186; Sept. 24.
Hydrocarbons, Catalytic conversion of. S. C. Carney. 2,408,294; Sept. 24.
Hydrocarbons, Dehydrogenating. A. Voorhies, Jr. 2,408,131; Sept. 24.
Hydrocarbons, Dehydrogenation of. K. K. Kearby. 2,408,146; Sept. 24.
Hydrolysis of aliphatic sulphonyl chlorides. T. E. Dillon. 2,408,300; Sept. 24.
Hygroscopic material dispenser. W. F. Gallagher. 2,408,058; Sept. 24.
Igniter of blasting detonators against accidental firing, Safeguarding electric. H. J. Rolfes. 2,408,124–5; Sept. 24.
Image production, Television. G. K. Teal. 2,408,108; Sept. 24.
Improved manufacture of methyl acrylate by the thermal decomposition of methyl-alpha-acetoxypropionate. W. P. Ratchford and C. H. Fisher. 2,408,177; Sept. 24.
Impulse system. L. A. Meacham, M. E. Mohr, and C. V. Parker. 2,408,086; Sept. 24.
Indicating and supervisory system, Electrical remote. E. A. H. Bowsher, H. M. M. d'Assis-Fonseca, and H. J. Ward. 2,408,037; Sept. 24.
Indicating mechanism, Work. W. K. Andrew and J. J. Lenert. 2,407,970; Sept. 24.
Induction apparatus, Electrical. J. K. Hodnette. 2,408,211–12; Sept. 24.

Injection apparatus, Fuel. A. T. Bremser. 2,408,288; Sept. 24.
Insecticide. S. I. Gertler and H. L. J. Haller. 2,408,307; Sept. 24.
Intelligence, Reproduction of. N. H. Young, Jr. 2,408,117; Sept. 24.
Interlock for elevator doors, Electro-mechanical. E. W. Fenn. 2,408,054; Sept. 24.
Internal-combustion engine. F. A. I. Muntz. 2,408,089; Sept. 24.
Internal-combustion engine of the free piston type. H. O. Farmer. 2,408,057; Sept. 24.
Iron: *See*—
Electric iron.
Isoascorbic acid, Derivatives of. P. A. Wells and D. Swern. 2,408,182; Sept. 24.
Isomerization process. O. Gerbes. 2,408,018; Sept. 24.
Isoprene, Separation and purification of. J. A. Patterson. 2,407,997; Sept. 24.
Jumper, Baby. A. J. Shurtliff. 2,408,002; Sept. 24.
Lapping and honing machine. M. E. Early. 2,408,204; Sept. 24.
Lapping method and machine. D. S. Oliver. 2,408,334; Sept. 24.
Latch: *See*—
Vehicle door latch.
Lens support and lens hood for folding cameras, Combined. T. M. Aiken. 2,408,184; Sept. 24.
Level. C. O. Rothweiler. 2,408,343; Sept. 24.
Life saving device. E. R. Hawkins. 2,408,166; Sept. 24.
Lifting mechanism. W. L. Simonton. 2,408,181; Sept. 24.
Limes and reducing the plasticity of aqueous suspensions thereof, Hydrated dolomitic. C. C. Loomis and W. J. Barrett. 2,408,324; Sept. 24.
Line connector. T. R. Cottrell. 2,408,045; Sept. 24.
Liquids, Treatment of. R. A. Hill. 2,408,021; Sept. 24.
Loaf package, Banded bread. A. T. Jones. 2,408,317; Sept. 24.
Lock. M. E. Wollin. 2,408,283; Sept. 24.
Locking mechanism. S. Larsson. 2,408,024; Sept. 24.
Locomotive, Multiple-cylinder steam. F. W. George, Jr. 2,407,980; Sept. 24.
Logging, Well. P. S. Williams. 2,408,012; Sept. 24.
Machine for performing division, Calculating. A. F. Pott. 2,408,097; Sept. 24.
Machine for shaping uppers over lasts. B. Jorgensen. 2,408,022; Sept. 24.
Machine for winding fin stocks. J. D. Lear. 2,408,322; Sept. 24.
Machine tool. F. W. Henke. 2,407,985; Sept. 24.
Magnetron, High efficiency. P. L. Spencer. 2,408,235; Sept. 24.
Magnetron, Tunable. P. L. Spencer. 2,408,234; Sept. 24.
Magnetron, Tunable. P. L. Spencer. 2,408,237; Sept. 24.
Measuring apparatus. W. E. Shoupp. 2,408,230; Sept. 24.
Measuring device, Ultra high frequency. J. W. Coltman. 2,408,198; Sept. 24.
Measuring instrument, Electrical. B. B. Grace, J. Handley, and G. Gilliver. 2,408,060; Sept. 24.
Measuring instrument, Electrical. B. E. Lenehan and G. J. Wey. 2,408,218; Sept. 24.
Mechanism for contact printing. G. L. Hassler. 2,408,310; Sept. 24.
Metal recovery. P. T. Stroup and C. B. Willmore. 2,408,278; Sept. 24.
Microscope, Electron. C. H. Bachman. 2,408,287; Sept. 24.
Mineral oil composition. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,408,103; Sept. 24.
Mirror, Rear view. L. F. Hofer. 2,408,168; Sept. 24.
Mixture control, Fuel. W. F. Stanton. 2,408,104; Sept. 24.
Mixture control, Fuel. W. F. Stanton. 2,408,348; Sept. 24.
Mixture control, Fuel. W. F. Stanton. 2,408,349; Sept. 24.
Mold and forming plastics thereon. Z. T. Walter. 2,408,245; Sept. 24.
Molding composition, Starch-melamine. D. W. Hansen. 2,408,065; Sept. 24.
Motor: *See*—
Reversible single-phase capacitor motor.
Motor control, Dual. P. Schon. 2,408,098; Sept. 24.
Mount for telescopic sights. W. H. English. 2,407,977; Sept. 24.
Mounting and assembly for snap-action electric switches, Spring. H. E. Schleicher. 2,408,274; Sept. 24.
Mounting construction, Rectifier stack. M. Enderlin. 2,408,052; Sept. 24.
Mounting for electric switches, Portable. H. R. Harrison. 2,408,309; Sept. 24.
Multichannel system. E. Labin. 2,408,077; Sept. 24.
Multipolar winding, Polyphase. M. Liwschitz. 2,408,219; Sept. 24.
Multistage centrifugal pump. E. G. Landberg. 2,407,987; Sept. 24.
Net, Making. M. G. Grabowsky. 2,408,308; Sept. 24.
Network, Frequency changing. C. M. L. Eyre and J. O. Gilderdale. 2,408,053; Sept. 24.
Nonreturn valve. H. O. Farmer. 2,408,056; Sept. 24.
Nozzle for jet-propelled aircraft, Variable-area. A. Sherman. 2,408,099; Sept. 24.
Observation system. H. Benioff. 2,408,035; Sept. 24.
Oil compositions. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,408,102; Sept. 24.
Oil well pump. F. Kowalski, Jr., and R. L. Harper. 2,408,075; Sept. 24.
Oils, Lubricating. S. Musher. 2,408,090; Sept. 24.
Oscillator, Concentric line. A. H. Turner. 2,408,355; Sept. 24.
Oven, Air-conditioned electric cooking. H. E. Mills. 2,408,331; Sept. 24.
P-amino-benzene-sulphamide derivatives. W. Hentrich and E. Schirm. 2,408,066; Sept. 24.
Package, Blade. J. Muros. 2,408,222; Sept. 24.
Padlock. R. K. and R. L. Gray. 2,408,137; Sept. 24.
Pattern and casting therewith, Shell. A. Slatis. 2,408,005; Sept. 24.
Pinacol production, Electrolytic. C. R. Boettger, Jr., T. S. Chambers, and O. C. Slotterbeck. 2,408,036; Sept. 24.
Pinacols, Electrolytic production of. O. C. Slotterbeck. 2,408,101; Sept. 24.
Pipe wrench. B. L. Lurie. 2,407,990; Sept. 24.
Piston. K. A. Smith. 2,408,346; Sept. 24.
Pocket dispenser. W. C. Moeller. 2,408,150; Sept. 24.
Polyhydroxyamino compounds. J. S. Pierce and J. H. Wotiz. 2,408,096; Sept. 24.
Polymerization products, Recovery of low temperature. R. M. Thomas and D. C. Field. 2,408,007; Sept. 24.
Predictor, Artillery. C. A. Lovell, D. B. Parkinson, K. D. Swartzel, Jr., and B. T. Weber. 2,408,081; Sept. 24.
Press control. L. S. Hubbert. 2,408,312; Sept. 24.
Printing. W. C. Huebner. 2,408,144; Sept. 24.
Process. A. A. Pavlic. 2,408,094; Sept. 24.
Prospecting apparatus, Electrical. C. B. Bazzoni and J. W. Millington. 2,408,029; Sept. 24.
Protein base materials, Treating synthetically shaped. F. C. Atwood. 2,408,026; Sept. 24.
Protein fibers, Treating synthetic. F. C. Atwood. 2,408,027; Sept. 24.
Pulse generator. L. L. Lakatos. 2,408,261; Sept. 24.
Pump: *See*—
Fountain pump.
Multistage centrifugal pump.
Pump. W. F. Thompson. 2,408,109; Sept. 24.
Pumping apparatus. W. H. Wineman. 2,408,013–14; Sept. 24.
Pyridine-3-acetic acid and derivatives therefor, and preparing the same. M. Hartmann, K. Miescher, H. Kaegi, and W. Bosshard. 2,408,020; Sept. 24.
Quick-freezing apparatus for food articles. A. J. Stone. 2,408,154; Sept. 24.
Quilting frame. R. N. Fancher. 2,408,205; Sept. 24.
Rack: *See*—
Coat hanger or wall rac
Radio direction finding system. W. H. Wirkler. 2,408,120; Sept. 24.
Radio direction finding system, Azimuth. W. H. Wirkler. 2,408,118; Sept. 24.
Radio direction finding system, Heterodyne. W. H. Wirkler. 2,408,119; Sept. 24.
Range apparatus. H. E. Cossin. 2,408,295; Sept. 24.
Receiver, Multiplex. D. D. Grieg. 2,408,063; Sept. 24.
Receptacle: *See*—
Spectacle or eye glass receptacle.
Receptacle for toilet paper, Storage. T. R. Black. 2,407,971; Sept. 24.
Recording and reproducing machine, Sound. J. M. Kuhlik. 2,408,320; Sept. 24.
Recording device for automobiles. E. E. Eriksson. 2,408,302; Sept. 24.
Reel: *See*—
Fire hose reel.
Refractory product, Cast. T. E. Field. 2,408,305; Sept. 24.
Regenerative bass compensation circuit. H. Toomin. 2,408,242; Sept. 24.
Regulating system, Electrical. R. C. Olesen. 2,408,091; Sept. 24.
Regulator. B. O. Austin. 2,408,188; Sept. 24.
Relay, Simplified ground. S. L. Goldsborough. 2,408,208; Sept. 24.
Releasing device, Pipe. O. J. McCullough. 2,407,991; Sept. 24.
Repeater system, Telegraph. F. H. Fay and E. W. Reeve. 2,408,304; Sept. 24.
Reproducing signals, Visually. L. A. de Rosa. 2,408,050; Sept. 24.
Resin gel, Pigmented. H. A. Toulmin, Jr. 2,408,353; Sept. 24.
Resinous condensates, Water-soluble. W. L. Morgan. 2,408,332; Sept. 24.
Resistance and making same, Wire-wound. E. M. Patterson. 2,408,092; Sept. 24.
Resistance devices, Making wire-wound, card-type. E. M. Patterson. 2,408,093; Sept. 24.
Resistance unit, Electrical. H. L. Coyne, J. J. Kuhn, and J. E. Ross. 2,408,046; Sept. 24.

Rest attachments for telephone instruments, Cushion. J. P. Bourdius. 2,408,194; Sept. 24.
Resuscitator insufflator aspirator. Le R. G. Fox. 2,408,136; Sept. 24.
Reversible single-phase capacitor motor. W. E. Menzies. 2,407,994; Sept. 24.
Rocket system, Two-stage. R. C. Truax, R. C. Stiff, Jr..
Setscrew. G. A., G. A., Jr., H., and L. Moore. 2,408,267; Sept. 24.
Roof, composite. T. M. Dantz. 2,408,251; Sept. 24.
Roofing. V. A. Cardarelli, Sr. 2,408,292; Sept. 24.
Rotary cutter. A. S. Fodor. 2,408,257; Sept. 24.
Rotary gate valve. H. G. Nash. 2,408,223; Sept. 24.
Rubber, Reclaiming. F. H. Cotton and P. A. Gibbons. 2,408,296; Sept. 24.
Sanitary pipe washer. O. E. Stone. 2,408,240; Sept. 24.
Sash, Window. J. G. Wilkin. 2,408,281; Sept. 24.
Saw-tooth setting device. I. L. Church. 2,408,197; Sept. 24.
Seal, Shaft. O. Jacobsen. 2,408,314–15; Sept. 24.
Selenium coated elements and making them. A. von Hippel. 2,408,116; Sept. 24.
Setscrew. G. A., G. A., Jr., H., and L. Moore. 2,408,267; Sept. 24.
Sewing machine attachment. C. W. Martin. 2,408,025; Sept. 24.
Sheet, Transfer. R. M. Kneale. 2,408,147; Sept. 24.
Shifter, Phase. H. E. Beste. 2,408,193; Sept. 24.
Shirt construction. A. L. Silver and A. Stein. 2,408,180; Sept. 24.
Sighting mechanism. W. W. Willard. 2,408,356; Sept. 24.
Signal translator, Telegraph permutation code. F. F. Shipley. 2,408,100; Sept. 24.
Signal with vibration lock, Drop. F. A. Stearn. 2,408,106; Sept. 24.
Signaling system, Selective. R. F. Davis. 2,408,299; Sept. 24.
Sole and heel, High traction. H. A. Husted. 2,408,214; Sept. 24.
Spectacle and eyeglass receptacle. G. Y. Eaton. 2,408,162; Sept. 24.
Spectrophotometric system. A. P. Kruper. 2,408,023; Sept. 24.
Speed change unit. J. D. Christian. 2,407,975; Sept. 24.
Sprinkler head. R. E. Carlson. 2,408,196; Sept. 24.
Stable pulse generator. D. D. Grieg. 2,408,061; Sept. 24.
Stairway, Moving. W. F. Eames. 2,408,203; Sept. 24.
Starter, Fluorescent switch. L. A. Harrawood. 2,408,165; Sept. 24.
Stoker. H. F. Lawrence. 2,408,321; Sept. 24.
Stool or the like, Knockdown. W. C. Panzer. 2,408,337; Sept. 24.
Storage tank. H. A. Starret. 2,408,105; Sept. 24.
Stroboscopic apparatus for phonographs. W. L. Nies. 2,407,996; Sept. 24.
Sulphur in recovery of nickel, Removal of. R. C. Hills and M. F. Dufour. 2,408,311; Sept. 24.
Sunshade and other auxiliary spectacles. R. H. Sager. 2,408,273; Sept. 24.
Supporting structure, Level work. J. F. Hoffer. 2,408,169; Sept. 24.
Supporting structure, Sliding window screen. E. Gutoski. 2,408,138; Sept. 24.
Suspender for artificial legs. C. I. Kickland. 2,408,073; Sept. 24.
Suspension unit for vehicle wheels. S. du Pont. 2,408,254; Sept. 24.
Switch; *See*—
Electric switch.
Switchboard, Teletypewriter. P. V. Koos. 2,408,074; Sept. 24.
Syringe, Hypodermic. M. L. Lockhart. 2,408,323; Sept. 24.
System for positioning heavy objects. H. L. Hull and D. J. Munroe. 2,408,070; Sept. 24.
Tank: *See*—
Storage tank.
Telephone repeater circuit. K. S. Johnson. 2,408,072; Sept. 24.
Television system. A. M. Carmel. 2,408,293; Sept 24.
Terminal assembly, Coaxial. W. W. Rigrod and D. G. Clifford. 2,408,271; Sept. 24.
Tiltable shelves drill holder case. J. A. Ramsey. 2,408,227; Sept. 24.
Toaster. V. Mazzarisi. 2,408,263; Sept. 24.
Toggle system for injection molding machines. T. H. Eyles. 2,407,978; Sept. 24.
Tool: *See*—
Machine tool.
Tool mechanism, Impact. C. H. Richards. 2,408,228; Sept. 24.
Top. S. L. Long. 2,408,262; Sept. 24.
Top, Automatic. S. J. Weeks. 2,408,132; Sept. 24.
Torque wrench. D. S. Oliver and J. Kanuch. 2,408,335; Sept. 24.
Tower, Transport. M. E. Phillips. 2,408,151; Sept. 24.
Toy. T. Hell. 2,408,141; Sept. 24.
Toy flying machine. H. E. Shaeffer. 2,408,275; Sept. 24.
Toy, Structural. E. M. Roach. 2,408,272; Sept. 24.
Translator, Signal. D. D. Grieg. 2,408,062; Sept. 24.
Transmission. P. Orr. 2,408,336; Sept. 24.
Transmission device, Power. E. C. Lloyd. 2,408,080; Sept. 24.
Transmission, Hydrodynamic. W. D. Tipton. 2,408,008; Sept. 24.
Transmission system, Intelligence. L. A. de Rosa. 2,408,049; Sept. 24.
Transmitter, Pulse. E. Labin. 2,408,076; Sept. 24.
Trap chamber with barometric cutoff, Measuring. T. L. Titus. 2,408,156; Sept. 24.
Treating machine. Q. C. Barber. 2,408,248; Sept. 24.
Tubular article, Working. C. L. Luce and N. B. Duncan. 2,408,325; Sept. 24.
2-methyl-1, 2-propanediamine, Preparation of. H. G. Johnson. 2,408,171; Sept. 24.
Two stroke piston-controlled engine. E. S. L. Beale. 2,408,030; Sept. 24.
Ultra high-frequency device. D. G. Clifford and I. E. Mouromtseff. 2,407,974; Sept. 24.
Valve: *See*—
Automatic dilution system control valve.
Rotary gate valve.
Valve. J. F. Schiller. 2,408,000; Sept. 24.
Valve construction, Hydraulic. T. R. Smith. 2,408,006; Sept. 24.
Vaporizing apparatus. J. W. Martin. 2,408,084; Sept. 24.
Variable load brake. L. I. Pickert. 2,408,123; Sept. 24.
Vehicle door latch. H. W. Rightmyer. 2,407,999; Sept. 24.
Viewer, Stereoscopic. R. H. Varian. 2,408,115; Sept. 24.
Voting machines. A. N. Gustavson. 2,407,981; Sept. 24.
Washer: *See*—
Sanitary pipe washer.
Washer, Pulp. H. M. Barnett and R. C. Mosher. 2,408,191; Sept. 24.
Welding, Electric underwater. P. Peilion. 2,408,175; Sept. 24.
Welding material and process. C. A. Cadwell. 2,408,291; Sept. 24.
Wells, Completion of. O. D. Harper. 2,407,983; Sept. 24.
Winding machine, Yarn. L. M. Cotchett. 2,408,135; Sept. 24.
Work-holding unit, Tiltable rotary power-driven. H. A. Skilton. 2,408,231; Sept. 24.
Worm adjusting double warp hose clamp. V. E. Sprouse. 2,408,347; Sept. 24.
Wrapper, Packing. G. W. Boh. 2,408,159; Sept. 24.
Wrench: *See*—
Pipe wrench.
Torque wrench.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 24, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 591

OCTOBER

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Patents Nos. 2,408,359 to 2,408,718

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 591—No. 1 TUESDAY, OCTOBER 1, 1946 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

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69,928. Glass tubes. Schott & Gen., Jena, Germany. Registered July 21, 1908. Canceled July 9, 1946.

359,049. Certain named clothing. Princess Junior, Inc., New York, N. Y. Registered Aug. 2, 1938. Canceled July 9, 1946.

382,794. Certain named toilet preparations. Martin de Botelho, New York, N. Y. Registered Nov. 12, 1940. Canceled Aug. 13, 1946.

382,987. Certain named toilet preparations. Martin de Botelho, New York, N. Y. Registered Nov. 19, 1940. Canceled Aug. 13, 1946.

382,988. Certain named toilet preparations. Martin de Botelho, New York, N. Y. Registered Nov. 19, 1940. Canceled Aug. 13, 1946.

395,610. Vehicle wheel aligning devices for shop service. Thompson Products, Incorporated, Cleveland, Ohio. Registered June 2, 1942. Canceled Aug. 7, 1946.

413,375. Fabric covers for buttons, etc. Walter P. Taylor, New York, N. Y. Registered Apr. 17, 1945. Canceled July 9, 1946.

Disclaimers

2,277,941.—*Richard Almy*, Lancaster Township, Lancaster County, Pa. Manufacture of Shoes. Patent dated Mar. 31, 1942. Disclaimer filed Aug. 26, 1946, by the assignee, *Armstrong Cork Company*.

Hereby disclaims the subject matter of claims 25 and 31; from claims 1, 2, 7, 8, 22, 32, and 33 the use of phenol aldehyde resin; from the scope of claims 9, 15, 16, 17, 18, 20, 26, 27, 28, 29, and 30 phenol aldehyde resin; from the specification of said Letters Patent, page 3, column 1, lines 11 and 12 the words "or phenol aldehyde resins"; the descriptive matter commencing at page 4, column 1, line 48 and extending through page 4, column 2, line 29.

2,381,079.—*Charles A. Pittman, Jr.*, Sellersville, Pa. Variable Speed Phonograph Drive. Patent dated Aug. 7, 1945. Disclaimer filed Aug. 15, 1946, by the assignee, *Philco Corporation*.

Hereby enters this disclaimer to claims 1 and 2 of the said Letters Patent.

2,388,599.—*John C. Cleaver* and *Jules Verne Resek*, Whitefish Bay, Wis. Distillation Unit. Patent dated Nov. 6, 1945. Disclaimer filed Aug. 28, 1946, by the assignee, *Cleaver-Brooks Company*.

Hereby enters this disclaimer to claim 4 of said Letters Patent.

Notice of Cancellation

U. S. Patent Office, *Richmond, Va., Sept. 12, 1946.*

William Albert Fitzsimmons, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Anna-Jean Yuill, 1 N. La Salle St., Chicago, Ill., to effect the cancellation of trade-mark registration of William Albert Fitzsimmons, 226 W. 11th St., Newport, Ky., No. 263,008, dated October 29, 1929, and the notice of such proceeding sent by registered mail to the said Fitzsimmons at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Fitzsimmons, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business September 13, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 123,433; Trade-Mark Division, 10,385. Oldest new case, March 31, 1945; oldest amended, March 21, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 12	June 25	2261
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 1	June 5	2716
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	May 23	May 19	1932
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Aug. 2	Aug. 24	2187
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 1	3451
6. GENIESSE, E. W., Carbon Chemistry (part)	Oct. 10	Oct. 16	1694
7. JARBOE, C. G., Optics, Photography	June 30	Oct. 16	2009
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 18	July 26	2941
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 18	Apr. 19	2031
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	July 21	July 14	1491
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Nov. 16	Feb. 15	662
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 6	June 21	2406
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 13	June 28	1955
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Sept. 25	Sept. 21	1382
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	May 25	Aug. 12	1209
16. LOVEWELL, N. N., Telegraphy; Telephony	Aug. 24	Aug. 19	1193
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 10	Mar. 21	1103
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 29	July 6	1716
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 30	Sept. 29	1545
20. BROWN L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 9	June 9	1754
21. THOMPSON, T. J., Textiles	Nov. 1	Jan. 16	733
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	June 29	1803
23. LEWIS, J. B., Cash Registers; Calculators (part)	June 11	July 27	234
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Jan. 14	Jan. 8	1075
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	July 14	Aug. 9	1463
26. YOUNG, R. R., Electricity—Generation and Motive Power	June 20	June 14	1806
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	May 31	June 5	1910
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	May 24	Apr. 3	1349
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	July 9	June 30	2061
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 9	July 16	2216
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Feb. 27	Feb. 27	935
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Sept. 5	Sept. 7	1886
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	July 27	July 25	2679
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 17	Sept. 15	1146
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	July 18	Sept. 6	1794
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1546
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 14	May 3	1320
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Aug. 9	Aug. 18	1227
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 1	May 1	2311
40. DRUMMOND, E. J., Receptacles (part); Packages	Aug. 10	Oct. 2	2265
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 24	July 3	832
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Sept. 27	Sept. 21	955
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	June 15	July 2	1252
44. HARVEY, L. P., Refrigeration; Preserving	Apr. 28	June 4	1154
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 14	July 16	2372
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 11	Aug. 11	1385
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 12	Oct. 1	2468
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Apr. 5	Apr. 9	1869
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 3	Aug. 14	1516
50. LEVIN, SAMUEL, Synthetic Resins	Sept. 18	Sept. 18	2208
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	June 13	June 13	2182
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 4	July 13	2875
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 17	May 7	3064
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 24	May 24	2040
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Aug. 10	Sept. 4	1551
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	July 19	July 24	1484
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Mar. 31	June 7	2646
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 15	Dec. 5	1207
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	May 15	May 28	2010
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Aug. 20	1770
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	June 7	June 21	2402
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 5	Apr. 11	3286
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	June 2	June 22	1917
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Feb. 13	Feb. 15	991
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 1	June 4	2338
Trade-Marks: RICHMOND, F. A.	Dec. 18	†May 21	10385
Designs: KALUPY, H. H.	Nov. 24	†June 12	6262

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

International Standard Electric Corporation

v.

Ooms, Commissioner of Patents

Nos. 9,111, 9,112 and 9,113. Decided June 28, 1946

[— F.(2d) —; 70 USPQ 32]

1. Application—Disclosure—Evidence.

Where a witness stated positively that a person skilled in the automatic-telephone art and not also in the calculating-machine art could make calculating devices from the disclosures of appellant's applications, but that witness was an automatic-telephone expert who had substantial experience in the calculating-machine art, was associated with the development of appellant's device long before the applications were prepared, and was employed by a corporation affiliated with appellant, *Held* that the district court was under no obligation to accept his untested opinion as conclusive, and that the record supported the court's finding that the ability of automatic-telephone men to use the disclosures was not established.

2. Same—Same—Section 4888 R. S. — "Art."

In construing the reference in section 4888 R. S. to "art" *Held* that ordinary usage contradicts the assumption that the "art" to which an invention pertains must depend upon similarity of ends and cannot depend upon similarity of means, methods, or techniques.

3. Same—Same—Same—"Science."

In weighing the word "science" in the statutory phrase "the art or science," *Held* that "In ordinary thought, one science is differentiated from another quite as much by special knowledge and techniques as by special intentions and results."

4. Same—Same—Same—"The Art or Science."

Held that unless the purpose of the patent law requires a narrower construction, the phrase "the art or science," as used in section 4888 R. S., is broad enough to connote processes as well as products, and that the reasons for the statutory requirement of disclosure do not suggest that Congress intended "the art or science" to be determined, contrary to ordinary usage, by reference to products or results alone.

5. Same—Same—Same.

"The present question of law comes to this. When a technique previously used for one purpose (the construction of automatic-telephone equipment) is applied to a second purpose (the construction of calculating equipment), must the innovator describe the technique so that it can be used by men who know nothing about it but are skilled in applying different techniques to the second purpose? Such a description may not be possible and, we think, is not required."

6. Same—Same—Same.

"We think 'the art or science to which [an invention] appertains, or with which it is most nearly connected' is the most relevant art or science, i. e., the one whose adepts have the best chance of being 'enable[d] . . . to make, construct, compound, and use' the invention."

7. Appeal—Remand.

"Though appellant did not, in the district court, discharge its burden of proving that a man skilled in the most relevant art or science could build appellant's devices from the disclosures, we think the ends of justice will be best served by remanding the case to the district court with instructions to hold it until the Patent Office decides whether in its opinion that is the case."

Appeals from the District Court of the United States for the District of Columbia. Remanded.

Mr. Paul Kolisch (*Mr. Ralph B. Stewart* of counsel) for International Standard Electric Corporation.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

Before Edgerton, Wilbur K. Miller, and Prettyman, *Associate Justices*.

Edgerton, *J.*:

These appeals are from judgments of the district court dismissing complaints under R. S. § 4915, 35 U. S. C. § 63, to obtain patents. The Patent Office and district court have held that the disclosures (descriptions) in appellant's applications are not sufficient. The statute provides that "Before any inventor or discoverer shall receive a patent for his invention or discovery he . . . shall file in the Patent Office a written description of the same, and of the manner and process of making, constructing, compounding, and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which it appertains, or with which it is mostly nearly connected, to make, construct, compound, and use the same . . ."[1]

The alleged inventions are calculating devices. They are not composed of usual calculating-machine parts, but of relays, switches and other parts which, in the words of the applications, are "of types used widely in telephone exchange systems," viz. automatic-telephone systems. A Patent Office Examiner, expert in the calculating-machine art but not in the automatic-telephone art, could not make head or tail of the descriptions. He thought they were therefore insufficient. The Board of Appeals of the Patent Office agreed with him. It left undecided, as immaterial, the question whether the descriptions would enable an automatic-telephone man to make and use the inventions.

[1] The district court found that the inventions "appertain" to the calculating-machine art and are not "most nearly connected" with the automatic-telephone art; that the disclosures would not enable persons skilled in the calculating-machine art to make and use the inventions; and that it had "not been established" that they would enable persons skilled in the automatic-telephone art to make and use the inventions. There was no evidence that any person skilled in the automatic-telephone art and not also in the calculating-machine art had ever shown, or said, that he could make the devices from the disclosures. Though a witness stated positively that such a person could do so, the court was under no obligation to accept this untested opinion as conclusive. The witness was an automatic-telephone expert who had substantial experience in the calculating-machine art; he was associated with the

[1] R. S. § 4888, 35 U. S. C. § 33.

development of appellant's device long before the applications were prepared; and he was employed by a corporation affiliated with appellant.[2] Accordingly the record supports the court's finding that the ability of automatic-telephone men to use the disclosures was not established.

[2][3][4] Appellant contends that an automatic-telephone man could use the disclosures and that they are therefore sufficient. The Commissioner's theory, on the other hand, is that a device the purpose of which is calculation or computation necessarily "appertains to" the calculating-machine art and cannot be "most nearly connected with" any other art. This theory apparently rests on the assumption that the "art" to which an invention pertains must depend upon similarity of ends and cannot depend upon similarity of means, methods, or techniques. Ordinary usage contradicts this assumption. The Century Dictionary has among its definitions of art "1. . . . the employment of given means to effect a purpose . . . 4. A system of rules and traditional methods for facilitating the performance of certain actions." The Oxford Dictionary has among its definitions "I. Skill; its display or application . . . II. Anything wherein skill may be attained or displayed." All this suggests means quite as much as ends. Moreover, the Commissioner's theory regarding "art" ignores the word "science" in the statutory phrase "the art or science." In ordinary thought, one science is differentiated from another quite as much by special knowledge and techniques as by special intentions and results. Unless the purpose of the patent law requires a narrower construction, the phrase "the art or science" is broad enough to connote processes as well as products.

"The limits of a patent must be known for the protection of the patentee, the encouragement of the inventive genius of others and the assurance that the subject of the patent will be dedicated ultimately to the public."[3] These reasons for the statutory requirement of disclosure do not suggest that Congress intended "the art or science" to be determined, contrary to ordinary usage, by reference to products or results alone.

[5][6] The present question of law comes to this. When a technique previously used for one purpose (the construction of automatic-telephone equipment) is applied to a second purpose (the construction of calculating equipment), must the innovator describe the technique so that it can be used by men who know nothing about it but are skilled in applying different techniques to the second purpose? Such a description may not be possible and, we think, is not required. "The specification of a patent is not addressed to people who are ignorant about the subject-matter. It is addressed to people who know something about it."[4] We cannot reconcile the Commissioner's theory with that principle. If his theory is correct, the invention of the steamboat involved nothing patentable. No description of the mechanism of a steamboat would be likely to enable an ordinary skilled builder of sail-boats or row-boats to make it, and if, as appellee's present theory implies, the only "art" concerned was the making of boats, a description which taught builders of stationary engines to make the mechanism of a steamboat was not sufficient. We think "the art or science to which [an invention] appertains, or with which it is most nearly connected" is the most relevant art or science, i. e., the one whose adepts have the best chance of being "enable[d] . . . to make, construct, compound, and use" the invention.

[7] Though appellant did not, in the district court, discharge its burden of proving that a man skilled in the most relevant art or science could build appellant's devices from the disclosures, we think the ends of justice will be best served by remanding the case to the district court with instructions to hold it until the Patent Office decides whether in its opinion that is the case.[5]

So ordered.

[2] Cf. *Bullard* v. *Coe*, 79 U. S. App. D. C. 369, 147 F.2d 568, 573 O. G. 547.
[3] *General Electric Co.* v. *Wabash Co.*, 304 U. S. 364, 369; 491 O. G. 463.
[4] *Plimpton* v. *Malcolm*, 3 Ch. Div. 531; *A. B. Dick Co.* v. *Barnett*, 288 Fed. 799, 801.
[5] Cf. *Addison* v. *Holly Hill Co.*, 322 U. S. 607, 619–623.

U. S. Court of Customs and Patent Appeals

VITAL FOODS CORPORATION
v.
MILES LABORATORIES, INC.

No. 5,150. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 191]

1. TRADE-MARKS—CONFUSING SIMILARITY.
Upon consideration of the question of confusing similarity between appellant's mark "VitaMight," in which the letters V and M are capitalized and printed in boldface type, and the remaining letters are printed in small type, and appellee's registered trade-mark "Vitamiles," in which the letters are all capital in form, uniform in size, and plain in character, *Held* that there is "a certain difference in the appearance of the marks when compared side by side, but a mere difference in appearance is not of itself controlling"; and *Held* that the alleged difference in the significance of the words of the marks is not controlling.

2. SAME—SAME—DOMINANT PORTION.
In the marks "Vitamiles" and "VitaMight," "miles" and "Might" *Held* to constitute the dominant features.

3. SAME—SAME.
The mark "VitaMight," applied to a concentrate of essential vitamins and minerals, *Held* confusingly similar to the registered trade-mark "Vitamiles," applied to vitamin tablets.

APPEAL from the Patent Office. Affirmed.

Mr. Earle D. Crammond and *Mr. Almon S. Nelson* for Vital Foods Corporation.

Mr. Edward S. Rogers, *Mr. William T. Woodson*, *Mr. James H. Rogers*, and *Mr. Thomas L. Mead, Jr.*, for Miles Laboratories, Inc.

GARRETT, *P. J.*:

This is an appeal from the decision of the Commissioner of Patents (speaking through the Assistant Commissioner), 63 USPQ 303, affirming the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of appellee to appellant's application for registration of the word "VitaMight," arranged in somewhat fanciful form, as a trade-mark for use on a concentrate of essential vitamins and minerals, the opposition being based upon appellee's alleged prior use and registration of the term "Vitamiles" for vitamin tablets.

The reasons of appeal before us raise no question as to the goods of the respective parties being of the same descriptive properties, nor does the brief for appellant suggest that they are not of the same descriptive properties. Appellant rests its case upon the difference between the marks, and the issue for our determination is narrowed to consideration of the resemblance of the marks.

The Trade-Mark Registration Act of February 20, 1905, under which appellant seeks the registration directs, inter alia, that "trade-marks * * * which so nearly resemble a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be registered" (Sec. 5 U. S. C., Title 15, § 85 (b)).

Considerable testimony was taken on behalf of appellant, but it is of no practical aid in passing upon the question of resemblance, the only issue here involved. The marks speak for themselves.

As has been stated, appellant's mark is arranged in somewhat fanciful form, the V and M being capitalized and printed in bold-faced type, and the remaining letters in small type. The petition for registration states that the drawing is lined to indicate red color. The specimens showing the mark as actually used, as they appear in the record before us, however, are black. We take it to have been anticipated that the term would become known in the trade as the name of the goods and that purchasers usually would call for the concentrate by that name—VitaMight. In the mark of appellee the letters are all capital in form, uniform in size, and plain in character. As in the case of appellant's product it is assumed that the mark is known in the trade as the name of the goods and that purchasers usually call for the tablets by the name—Vitamiles.

[1][2][3] Because of the fanciful form of appellant's letters there is, of course, a certain difference in the appearance of the marks when compared side by side, but a mere difference in appearance is not of itself controlling.

It is noted that both marks are composed of two words, the first word in each being identical as are the first two letters of the second word. Neither mark is hyphenated. When pronounced, there is obviously much similarity in sound.

Appellant contends, however, that there is a difference in the significance of the words "miles" and "Might"; that "miles" stems from appellee's corporate name while "Might" is suggestive of strengthening the body by use of the concentrates (which are in tablet form), and in this connection places great emphasis upon our decision in the case of *Miles Laboratories, Inc.*, v. *Foley & Company*, 32 C. C. P. A. (Patents) 714, 144 F.(2d) 888, 63 USPQ 64, 569 O. G. 359, wherein we held "Vitamiles" and "Vitabuild" not to be confusingly similar.

In the course of our decision there we said:

> We do not think that either party to this controversy could successfully contend that it is entitled to preempt the field with respect to marks having "Vita" as a portion thereof, and thus exclude all others from the use of any mark composed in part of that term, and it seems to us that "miles" and "build," in fact, constitute the dominant features of the marks before us. It further seems to us that the complete marks, when the significance of each is properly considered, are distinctive in character and that confusion is not likely to result from their concurrent use on similar goods.

We adhere, of course, to the view that Miles Laboratories, Inc., is not entitled to preempt the field with respect to marks having "Vita" as a portion thereof, for the reasons fully stated in our decision in that case, and in the instant case we think "miles" and "Might" in fact constitute the dominant features of the marks before us.

We think, however, that there is no such distinction between these dominant features, as existed with respect to "miles" and "build" in the cited case. Nor do we think the alleged difference in the significance of the words of the marks is controlling.

The question of priority of use is not here involved.

We feel constrained to agree with the view of the Commissioner to the effect that confusion and mistake in the mind of the public and deception of purchasers as to origin would be likely to result from concurrent use of the marks on the goods of the respective parties. We think the Commissioner was correct in the statement that "Whatever trade-mark significance the parts "Vita" carried would only increase the likelihood of confusion."

The decision of the Commissioner is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE FREED

No. 5,168. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 206]

PATENTABILITY—CATALYTIC COMPOSITION.
Certain claims to a catalytically active composition in the form of flakes and to the method of preparing such a composition *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. A. A. Orlinger for Freed.

Mr. W. W. Cochran for the Commissioner of Patents.

BLAND, *J.*:

Owing to the number of claims and the size of the record and briefs, the issues in this case at first

appear quite formidable, but upon closer approach the real issue determinative of the appeal is not an involved one.

The Primary Examiner of the United States Patent Office rejected all of appellant's claims, 1 to 18, inclusive, in an application for a patent entitled "Catalytic Compositions." Upon appeal to the Board of Appeals claim 18 was allowed and it was indicated that claims 1, 6 and 9 could be allowed over the cited prior art references if "*uniformly* were inserted before 'dispersed'" at certain places in the claims.

From the Board's decision affirming that of the Examiner in rejecting claims 1 to 17, inclusive, appellant has here appealed.

In this court, appellant, "to reduce the issue and expedite consideration of the appeal," moves to withdraw the appeal as to product claims 2 and 3, and process claims 12, 13, and 15, "as if they were cancelled without prejudice." Appellant's motion to withdraw, being considered as a motion to dismiss as to the claims enumerated, will be granted. This leaves for consideration article claims 1, and 4 to 11, inclusive, and method claims 14, 16 and 17.

Of the appealed claims, claim 1 and claim 14 are regarded as representative and follow:

1. A catalytically active composition in the form of flakes comprising a catalytically active inorganic constituent deleteriously affected by the air dispersed in a solidified oleaginous substance as a protective medium.

14. In the method of preparing a solid catalytically active composition in flake form with the ingredients thereof dispersed ther in in homogeneous character, comprising nickel in catalytically active state dispersed in a solidified oil of vegetal origin, the step which comprises distributing over a chilled surface a layer of a liquid suspension comprising said nickel in catalytically active state homogeneously dispersed in said oil in liquid state, to harden the composition.

We think the claimed invention is briefly but best described in the brief of the Solicitor for the Patent Office and we quote:

The application relates to a catalyst to be used in the hyodrogenation of vegetable or animal oils.

Vegetable oils, such as cotton-seed oil, are liquid at ordinary temperatures and are suitable for use in cooking but are not considered as desirable as a white solid product having the appearance of lard. Cotton-seed oil may be converted into such a white solid product by adding hydrogen to it under heat and pressure. This is how "Crisco" is made. In order, however, for the hydrogen to enter into combination with the oil it is necessary that a catalyst be present. This catalyst is usually finely divided nickel. But finely divided nickel, unless protected from the air, will become oxidized and useless as a catalyst. To provide this protection of the nickel it is customary in the art to disperse the nickel in an oil. [Appellant's application so states.] Appellant uses a hydrogenated vegetable or animal oil for this purpose, which oil is solid at ordinary temperatures. All this is recognized by appellant to be old. Appellant states in his specification that it is customary to put up this catalytic material for shipment by running the hot liquid dispersion of nickel into steel drums in which it cools and solidifies. An alleged disadvantage in this procedure is that the particles of nickel being heavier than the oil will settle to some extent toward the bottom of the drum before the oil solidifies with the result that the concentration of nickel at various levels in the drum will vary. As a consequence it is necessary for those who use this material to take samples from various portions of the material in the drum and analyze them to determine the actual nickel content.

To remove this difficulty, appellant stirs the hot liquid continuously to maintain it homogeneous as to nickel content and distributes it continuously in a rather thin film over a chilled drum. The liquid is thus quickly solidified. Following this the material is scraped from the drum to form flakes. In such form the material may be conveniently shipped in bags or fiber containers.

Two advantages residing in this product are apparent. First, the product may be shipped and used more conveniently than the solid mass contained in a 50-gallon drum. Second, the product is uniform in composition.

The Examiner rejected certain of the appealed claims upon the following references: Ellis, 1,329,322, January 27, 1920; Boertlein, 1,740,084, December 17, 1929; and in discussing the application of the references to the claims stated in part:

Claims 1 through 6 and 9 are rejected as unpatentable over Ellis. The flaked product of these claims differs only in degree, if at all, from the "rough fragments" of the patent. In this connection, it has been argued that the art shows only *large* fragments or *large* blocks of nickel-containing solid oils, fats, waxes, etc. However, the term *"large"* has been read into the references by the applicant. At any rate the claimed flaked product differs from *larger rough fragments* only in size and this is not considered of patentable significance. It should be noted that applicant breaks the hardened layer of material into "fragments" without further limitation in claim 15. Furthermore the size of the flakes is not limited in the claims.

The applicant points out the "tremendous" advantage of the flaked product over the prior art in the feasibility of shipping it to the point of use. However, no advantage over the "rough fragments" of the Ellis reference can be seen, since Ellis' product is not fusible at ordinary temperatures and "can be shipped in ordinary cloth bags or slack cooperage." In the specification and later, in the prosecution of the application, the applicant has failed to recognize this aspect of the prior art.

The product claims, i. e., claims 1 through 6 and 9 are also rejected as unpatentable over Ellis taken in view of Boertlein. This patent discloses the flaking of soap, which is a saponified fat or oil. This ties in pretty well with Ellis in which there is a disclosure of saponifying the oil being treated to make soap thereof. Note lines 90 to 102 on page 4 of Ellis. Noting the disclosure on this same page, lines 109 to 116, it is obvious that the some of the colloidal nickel remains in the hydrogenated product since there is an input of 40 pounds of nickel and only 38 pounds are recovered. If this hydrogenated product containing a small amount of nickel be saponified as suggested by Ellis (converted into soap) and then flaked as suggested by Boertlein, applicant's product and process would be produced. The product (and process) also seems uninventive when viewed in this light.

Claims 12 through 18 are rejected as unpatentable over Ellis taken in view of Boertlein. The claims merely recite the flaking steps of Boertlein applied to the catalytic mixtures of Ellis. Ellis provides a *stirrer* to insure the homogeneous character of his product which characteristic is recognized as highly desirable in the art. It is well recognized that a given quantity of material must contain a definite amount of nickel in order to enable the operator to accurately measure the desired amount of the nickel to be added to a batch of oil to be hydrogenated. Note the percentages of nickel in Ellis' product, page 3, paragraph 2, for instance. Hence, it appears obvious that no new problem is encountered and no new process steps are involved in flaking Ellis' composition by Boertlein's process. No adaptation is necessary in conveying Ellis' nickel-containing oil or paraffin wax to Boertlein's flaking apparatus, since Ellis' product is homogeneous at the end of the reduction step due to the action of his stirring apparatus. [Italics quoted.]

It will be noted that of the claims we are here considering claims 1, 4, 5, 6 and 9 were rejected as unpatentable over the patent to Ellis, and they were also rejected as unpatentable over Ellis in view of Boertlein. We will consider these claims first.

The Ellis patent is directed to a new and useful improvement in making powdered metals and reduced metallic compounds and the article so produced. He was concerned with producing a catalytic material, such as nickel which is involved in the instant case, in finely divided form for use in the hydrogenation of fatty oils. He, for the same purposes as those proposed by appellant, suggested concentrating from 20 to 25%, or, in some instances, 60 to 80%, of nickel in oil and then allowing the molten mixture to settle or be centrifuged. The concentrate is then separated from the remainder of the wax.

While Ellis' product may be put up in drums in which the oil and nickel particles would be intermixed, it is obvious a settlement of the heavier particles might result. He also states in his patent the following:

• • • Also it has been proposed to heat organic salts of nickel in an oil vehicle to bring about the formation of finely divided nickel.

Further along he recites that:

Further as noted, paraffin wax or similar mineral wax is well suited as a medium in which the catalyzer is formed and the use of a hard brittle wax free from oleaginous material including freedom from fatty material reactive with nickel on standing (thus changing the physical structure of the catalyzer) affords a product which can be shipped in ordinary cloth bags or slack cooperage. No expensive shipping container is required. The catalyzer may be shipped *in the form of cakes or rough fragments* which for use are simply added to the oil to be hardened or if desired may be melted in a separate container with some oil and pumped to the point of use. By employing a hard wax so that the fragments do not fuse together in shipping, the product is more readily handled for some purposes. [Italics added.]

It is true that Ellis does not state the method in which the liquid is flowed over a chilled surface to cool and solidify it, nor does he explain just how the catalyzer is reduced to the form of cakes or rough fragments, but the Boertlein patent shows how molten liquid is placed in a pan over which a rotating drum operates and the liquid is chilled by water circulating through this drum. The liquid film carried up on the drum solidifies and is scraped off in flakes by a scraper. To aid in the cooling of the film, Boertlein provides means for blowing a current of air against it. This feature is not shown in the present application.

Boertlein is concerned with producing solid materials in the form of flakes, and he was particularly concerned, though not so limited, with flaking such materials as soap. There is nothing new or novel about flaking liquid materials which solidify upon being cooled. One of the most common expedients today in the making of numerous articles, including soap, is to reduce it to flakes. This is done with the purpose of making them more suitable for shipment and readily usable, which is the purpose for which appellant flakes his material. Boertlein states that:

The flaked product possesses the advantages of being homogeneous in composition and, because of its physical form (being in the form of thin, flat pieces of laminae), of presenting a large surface to the action of a solvent. It is easy to handle, and can be readily packaged and removed from containers.

The Board, in affirming the elaborate decision of the Examiner (except as to claim 18, which it allowed), in part said:

Applicant describes his flake product as fairly uniform in thickness, the flake production in individual batches being regularly homogeneous.

Ellis does not show the flake form of the product but the form per se is obvious from Boertlein. Claims 1 to 6 and 9 do not state that the nickel is uniformly distributed in the flake as stated in line 26, page 5 of the specification.

Applicant's process is described at the top of page 5 of the specification but as stated in claims 12 to 17, the process involves not much more than pouring the Ellis molten mixture into a cold barrel. The step of breaking the cold mass into fragments or flakes does not distinguish from Ellis in an inventive sense.

• • • • • • •

Claims 1, 6 and 9 could be allowed over the cited art if *uniformly* were inserted before "dispersed" in line 3, claim 1 and line 2, claim 6. [Italics quoted.]

Applicant contends that the references do not remotely suggest applicant's concept. The same appears to be true of applicant's claims, except claim 18.

The patents submitted with the brief for various forms of phthalic anhydride, including a patent on the flaked form, are not persuasive that we should allow the present rejected claims. Applicant's invention is not in the form but in the uniform distribution of nickel in the flaked form.

The decision of the Examiner is reversed as to claim 18 and is affirmed as to the remaining claims on appeal.

In the absence of pertinent art claims 1, 6 and 9 are considered allowable when amended as suggested.

Upon petition for reconsideration, appellant contended that if claims 1, 6 and 9, when amended to include the word "uniformly" as before stated, and claim 18 were allowable, the Board should also allow claims 12 to 17 for the same reasons as claim 18. The Board undertook to distinguish these claims from claim 18 and we are not sure that they have satisfactorily done so, but in any event we are not privileged to consider the Board's allowance of claims in determining whether appealed claims are patentable. The authorities are so numerous on this question as to not require citation here.

Appellant, after having fully discussed the questions involved in a petition for reconsideration before the Board, has filed two elaborate briefs here and urges, among many other contentions, that his process and article differ from the disclosures of the prior art in that (1) by agitation while cooling he uniformly disperses the nickel particles throughout the solidifying oil; (2) there is no cited prior art disclosing the flaking of materials of this character or any material similar thereto which contains heavier mineral particles, such as nickel. Appellant argues that Boertlein, in flaking his material, was not confronted with the problem of flaking a material containing heavy mineral particles and urges that the composition disclosed in the Boertlein patent did not contain any inorganic solids and that, contrary to the contention of the Solicitor, the soap with which Boertlein was concerned was a single, individual substance not having "any of the distinct constitutional characteristics of the composition appellant used."

Appellant urges that Boertlein's material is a "non-heterogeneous material" and "consists of a single, individual substance." The Solicitor urges that it is more than one substance, and while we think that soap is composed of more than one substance it is obvious that ordinary soap is not composed of substances of such divergent characteristics with respect to settling as is the material of appellant. However, we think this fact is immaterial because one who knew how to flake the Boertlein material would certainly know how to flake appellant's material. The importance of flaking, for all purposes stated, was generally known in the art.

So to recapitulate, we agree with the tribunals below that "agitation while cooling" in the manner described by appellant for the purpose of getting a homogeneous mass into more solid form does not

amount to invention, nor is it inventive to flake a product as appellant has done.

It may be that appellant's process and procedure will expedite the handling of a catalytic material of this character, but we think everything appellant has done which is defined by the appealed claims, in view of the prior art, is within the skill of such art.

As to whether or not the addition of the word "uniformly" as applied to the homogeneous character of the distribution of the nickel in the oil lends patentability to certain claims, we are not here called upon to determine.

In view of the foregoing, we conclude that the Board properly affirmed the action of the Examiner in rejecting the claims here on appeal and its decision so doing is affirmed. As to claims 2, 3, 12, 13 and 15, the appeal is dismissed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE PHILLIPS

No. 5,184. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 217]

PATENTABILITY—PISTON RING.

Claims to a piston ring *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Earl & Chappell (*Mr. Otis A. Earl* and *Mr. Munson H. Lane* of counsel) for Phillips.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

This appeal from the decision of the Board of Appeals of the United States Patent Office involves an alleged improvement relating to piston rings. Appellant's device is described by the Examiner as follows:

> The application discloses a three part piston ring comprising two thin cylinder contacting rings and an expander element. Each cylinder contacting ring has an axial extending shoulder formed by an offset circumferentially of the ring. The expander element is the well known polygonal ribbon steel type which reacts from the bottom of the groove. When assembled, the cylinder contacting rings are positioned in the groove with offset portions facing each other. The expander is placed between the groove bottom and shoulders or offset portions. In this position, the expander serves a double purpose. It expands the ring elements by reaction between the groove bottom and the ring shoulders and axially spaces and maintains the ring elements by extending between them to the shoulder. The expander element has the usual cutaway portions in the edge to improve the oil flow.

The appeal claims, 1, 2 and 3 (and they all stand or fall together), were rejected by the Primary Examiner upon the following references: Malpas, 2,229,578, January 21, 1941; Phillips, 2,113,857, April 12, 1938; Teetor, 2,236,721, April 1, 1941; and his decision was affirmed by the Board for the same reasons as those expressed by the Examiner.

Claim 1 is illustrative and follows:

> 1. A piston ring assembly comprising a pair of axially spaced, thin split annular cylinder wall engaging members formed of ribbon-like ductile material, said members being disposed in parallel relation and having the outer portions thereof parallel and axially offset sharply toward one another to define abrupt annular shoulders providing opposite inwardly facing cylindrical axially extending spring abutments located substantially midway between the outer and inner peripheries of the members, an annular split expanding spring crimped at spaced intervals along the length thereof and of ductile metal disposed between said members with the crimps of the spring in axial spacing engagement therewith and in radial expanding engagement with the said annular abutments, said spring having connecting reaches of substantial length connecting said crimps, said reaches having intermediate portions for engaging the bottom of a piston ring groove, said intermediate portions supportingly engageable under substantial compression with the bottom of the piston groove in which the assembly is installed, said crimps of said expanding spring being without axial curvature, whereby said spring exerts a radial expanding action only on said abutments derived from the compression thereof against the groove bottom in installing the assembly.

The Malpas patent, the one chiefly relied upon, in the disclosure of one of the embodiments of the invention, shows a piston ring assembly comprising upper and lower ring elements each comprising flat portions joined by an offset shoulder, and an intermediate spring member, bearing against the shoulders and serving to expand the ring elements radially. The spring member, as disclosed, apparently does not bear against the bottom of the piston groove.

The Phillips patent, the inventor of which is appellant herein, shows an expansion ring substantially identical with that of the present application. The spring bears against the bottom of a piston groove and acts to expand a split ring radially. This ring, however, is not of the form described by the instant claims.

The patent to Teetor, although discussed briefly by both tribunals below, was cited for the reason that it shows a polygonal expander of substantially the same type as appellant's, which serves the same purpose served by appellant's expander element.

The Board, in approving the holding of the Examiner, had the following to say in part:

> Nothing is said in Malpas about the expanders wedging the rings apart or that * * * the inner reaches do not bear against the bottom of the ring groove.
>
> Teeter states that his spacer-expander does not exert any axial pressure against the sides of the rings and has reaches * * * which seat against the bottom of the ring groove.
>
> In our opinion it would be obvious to any skilled mechanic to sharpen the internal shoulders of the Malpas rings * * * to eliminate a wedging action if it developed that there was such a wedging action and to seat the expander against the bottom of the ring groove, if desired, as Teetor does.
>
> Further, we agree with the Examiner that no invention would be involved in using the expander of Teetor with the shouldered rings of Malpas.

The Solicitor for the Patent Office, in this court, urges that claim 1 reads, for the most part, upon the Malpas patent and that the pertinent disclosure in it relates to one of the modifications of the patent.

In applying the claim to the Malpas patent, the Solicitor points out the various limitations of the claim and where it is met by the Malpas patent, and finally, when he comes to the limitation relating to the spring portions "for engaging the bottom of a piston ring groove," he states that it only defines a function but that even if this is not the statement of a function this limitation would be insufficient to render the claims patentable in view of the references cited.

The Solicitor also points out that the limitation, "said crimps of said expanding spring being without axial curvature," is also functional and defines no structure, but submits that if it does define structure the crimps in Malpas are "without axial curvature."

These two limitations above discussed are the most important questions pressed by appellant and we have studied carefully the arguments of appellant's counsel and the references of record, and we conclude that appellant's structure as defined by the claims presents nothing inventive over the references cited by the Examiner.

Other minor questions have been raised by appellant but they are not of sufficient importance to require discussion here because even if it were conceded that there were certain differences between appellant's structure and those of the references, it is our view, as it was that of the Patent Office, that it would not amount to invention over the prior art.

For the reasons stated by the Board we conclude that its decision should be, and it is, affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE BART

No. 5,162. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 202]

PATENTABILITY—EXHAUSTED COMBINATION.

The appealed claims *Held* properly rejected as drawn to the old and exhausted combination of a fixture having a supply line, a waste line, a valve and a trap.

APPEAL from the Patent Office. Affirmed.

Mr. Frank Zugelter (*Mr. Donald A. Gardiner* of counsel) for Bart.

Mr. W. W. Cochran for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting all of the claims, 1, 2, 3, and 10 to 12 inclusive, of an application for a patent on a "Safe Water Dispensing Device." The claims were rejected on the ground that they were drawn to an old and exhausted combination in view of prior art, and further rejected as unpatentable over the prior art.

The references relied upon are: Carroll, 460,557, October 6, 1891; Perkes, 578,024, March 2, 1897; Stubbe, 1,175,836, March 14, 1916; Mueller et al., 1,512,628, October 21, 1924; Woolley, 2,004,455, June 11, 1935.

Claims 1 and 10 are illustrative and read as follows:

> 1. In a device of the class described the combination of a water delivery line, a water supply line, a valve for cooperation with said supply line for controlling a flow of water from said line to said delivery line, said valve providing a drain connection for said delivery line when said valve is in an off position for preventing a flow of water from said supply line whereby said delivery line is gravitationally drained of water after each delivery of water therefrom, and means for precluding contamination of said delivery line by way of said drain connection, said means comprising a clean water trap and an air trap connected in series in said drain connection, whereby the air of said air trap will at all times physically separate the water of said trap from and against the return passage of waste fluid matter from a sewer, ground drain, sump, or the like into which the water drained from said delivery line is normally discharged.
>
> 10. In a device of the class described the combination of a water delivery line, a water supply line, a valve for cooperation with said supply line for controlling a flow of water from said line to said delivery line, said valve providing a drain connection for said delivery line when said valve is in an off position for preventing a flow of water from said supply line whereby said delivery line is gravitationally drained of water after each delivery of water therefrom, and means for precluding contamination of said delivery line by way of said drain connection, said means comprising a clean water trap for the water drained from the delivery line after each use of the fixture and an air trap connected in series with said drain connection, the lower end of said air trap being connected to a sewer line, the air of said air trap physically separating the water in said water trap from and against a return passage of waste fluid matter from said sewer line, and a vent connection to the atmosphere communicating with the lower end of said air trap.

The application relates to a water supply structure typified by an anti-freezing drinking fountain which comprises a water supply pipe, a delivery pipe through which the water is discharged for use, a valve to control the supply of water to the delivery pipe and the return of the water left in the delivery pipe to waste when the supply is cut off, and a trap operated by back pressure of the waste water and air against the entrance of contaminated water into the delivery pipe.

The patent to Mueller et al. relates to "Antifreezing Drinking Fountains," and discloses a hydrant structure, a water supply pipe, a delivery pipe which terminates in the drinking bubbler, a stop and waste valve connected to a waste line, and a water seal trap in the form of the conventional gooseneck.

The Woolley patent relates to an anti-siphonage device for water closets, frost-proof drinking fountains and the like, and shows a supply pipe, a delivery pipe, a stop and waste valve connected with a waste line, and in the waste line a trap designed to oppose back flow to the delivery pipe of water which may be contaminated.

The patent to Carroll is for a sink trap which comprises a cup-shaped outer wall within which and away from the sides and bottom thereof is another cup of the same general formation into which waste liquid flows. From the bottom of the outer cup is attached a drain pipe. The inner cup member is a liquid container, and as the waste water enters from

the bottom of the waste pipe, which is close to the lower portion of the inner cup, any excess over the capacity of that chamber may flow through openings in the top of the inner cup into the space between the two cups. In the event of back pressure through the drain pipe the air between the two cups and the waste water in the inner cup are said to prevent drain water from entering the liquid chamber.

The patents to Perkes and Stubbe disclose traps of the same character as that shown in the Carroll patent, and were cited by the Primary Examiner as showing also such type of traps to be old.

In finally rejecting the claims for the reason that they were drawn to an old and unpatentable combination of a fixture having a supply line, a waste line, a valve and a trap, the Examiner cited the patents to Woolley and Mueller et al.

The Board of Appeals in its decision, in affirming that ground of rejection, pointed out that the structures of those patents disclose a combination of a water supply line, a water delivery line, a valve for controlling flow of water from the supply to the delivery line, and drain connection from the delivery line into the trap.

It will be seen from the description herein of the structures defined in those patents that that rejection by both the Examiner and the Board is clearly correct.

The trap described in the application differs somewhat in shape from those disclosed by the prior art, but even if such difference were inventive it would be improper to grant a patent for the combination.

In our opinion the claims were properly rejected as an exhausted combination, and therefore it is not necessary to discuss the additional reasons for rejecting the claims.

The decision of the Board of Appeals is affirmed. Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,673,727. (See Re. 19,023.)

1,719,807, A. A. Kucher, Refrigerator; 1,719,820, same, Refrigerator; Re. 19,908, same, Refrigerating machine; 2,007,730, M. C. Terry, Refrigerating apparatus; 2,040,507, same, Pump for refrigeration apparatus; 2,181,856, G. S. McCloy, Refrigeration apparatus, D. C., S. D. Ohio, W. Div., Doc. 367, *Westinghouse Electric & Mfg. Co.* v. *Crosley Corp.* Dismissed Aug. 14, 1946.

1,719,820. (See 1,719,807.)

1,753,796, T. J. Litle, Jr., Refrigeration; Re. 19,778, same, Method of making evaporators; 1,891,728, J. R. Replogle, Refrigerator unit; 1,983,990, L. A. Philipp, Evaporator for refrigerators; 2,098,731, same, Refrigerating apparatus; Re. 20,402, E. D. Misner, same, filed Aug. 14, 1946, D. C., S. D. Ohio, W. Div., Doc. 1560, *Nash-Kelvinator Corp.* v. *The Crosley Corp.*

1,784,466, O. Rensonnet, Steering sight adapted to be fitted to the mud guards of motor vehicles; 1,877,428, same, Motor vehicle steering sight, filed Aug. 7, 1946, D. C., E. D. N. Y., Doc. 7210, *Casco Products Corp.* v. *Rance Products, Inc.*

1,882,813, C. E. Luke, Cereal food and process of making same; 1,925,267, E. H. McKay, Cereal food, filed July 29, 1946, D. C. Mass., Doc. 5792, *General Foods Corp. of N. Y.* v. *Van Brode Milling Co., Inc.*

1,850,190, H. H. Welch, Composite gem and jewel, filed Aug. 13, 1946, D. C., S. D. N. Y., Doc. 37/363, *H. H. Welch* v. *Coro, Inc.*

1,850,972, Tracy & Kintzele, Selecting and actuating mechanism; 2,288,666, F. Adam, Jail locking device, appeal filed July 30, 1946, C. C. A., 8th Cir., Doc. 13410, *F. Adam* v. *Pauly Jail Building Co.*

1,877,428. (See 1,784,466.) 1,891,728. (See 1,753,796.)

1,925,267. (See 1,832,813.)

1,967,770, J. G. Ford, Method of manufacturing refrigerating apparatus; 2,079,238, J. H. Ashbaugh, Method of shipping refrigerating apparatus; 2,188,303, C. E. Roberts, Refrigeration test method, D. C., S. D. Ohio, W. Div., Doc. 365, *Westinghouse Electric & Mfg. Co.* v. *Crosley Corp.* Dismissed Aug. 14, 1946.

1,983,990. (See 1,753,796.) 2,007,730. (See 1,719,807.)

2,020,062, A. L. Jackson, Structural building device, D. C., S. D. N. Y., Doc. 31/606, *A. L. Jackson* v. *S. H. Pomeroy Co., Inc.* Stipulation and order of discontinuance Aug. 8, 1946.

2,040,507. (See 1,719,807.)

2,065,823, Palombo & Palombo, Sounding toy apparatus, D. C., N. D. Ohio, E. Div., Doc. 23984, *Sound Toys Co.* v. *Weinberger Drug Stores, Inc., et al.* Stipulation of counsel dismissing case July 24, 1946.

2,079,238. (See 1,967,770.) 2,098,731. (See 1,753,796.)

2,106,905, W. B. Barnes, Overspeed drive and no back lockout; 2,225,493, same, Automatic transmission shift; 2,255,020, same, Vacuum control for transmissions; 2,403,781, same, Overdrive transmission, filed Aug. 9, 1946, D. C., E. D. Mich., S. Div., Doc. 5879, *Barnes Motor Developments Co.* v. *Chrysler Corp.*

2,147,793, W. J. Kropp, Process of manufacturing packing and insulating material; 2,166,926, same, Packing and insulating material, filed Aug. 8, 1946, D. C., W. D. Okla. (Oklahoma City), Doc. 3175, *Insul-Wool Insulation Corp.* v. *Federal Insulation Co., Inc., et al.*

2,166,630. (See Des. 112,778.)

2,166,926. (See 2,147,793.)

2,166,926, W. J. Kropp, Packing and insulating material, filed Aug. 8, 1946, D. C., W. D. Okla. (Oklahoma City), Doc. 3174, *Insul-Wool Insulation Corp.* v. *Home Insulation, Inc.*

2,181,856. (See 1,719,807.) 2,188,303. (See 1,967,770.)

2,194,176. (See Des. 112,778.)

2,225,493. (See 2,106,905.)

2,242,335. (See Des. 112,778.)

2,254,604, G. F. Forsthoefel, Cabinet construction; 2,254,780, A. A. Quimper, Refrigeration apparatus, D. C., S. D. Ohio, W. Div., Doc. 425, *Westinghouse Electric & Mfg. Co.* v. *Crosley Corp.* Dismissed Aug. 14, 1946.

2,254,780. (See 2,254,604.) 2,255,020. (See 2,106,905.)

2,257,072, D. L. Coombs, Colonic irrigator, filed Aug. 7, 1946, D. C., N. D. Calif. (S. Div.), Doc. 26262–R, *D. L. Coombs* v. *G. Maxwell et al.*

2,274,902, M. A. Knight, Portable timber cutting apparatus, filed July 3, 1946, D. C., S. D. Fla. (Jacksonville), Doc. 1076–J, *Kut-Kwick Tool Corp.* v. *McLean Iron Works.*

2,288,666. (See 1,850,972.)

2,312,882, P. Cusano, Game board, filed July 31, 1946, D. C., E. D. Pa., Doc. 6215, *P. Cusano* v. *Rose Cafe et al.* Same, filed Aug. 6, 1946, D. C., E. D. Pa., Doc. 6229, *P. Cusano* v. *S. J. Sulik et al.*

2,357,312, J. Cryns, Method of preparing wheat germ for use in baking, D. C., N. D. Ind. (Fort Wayne), Doc. 264, *The Bryo Co.* v. *G. Best.* Stipulation of dismissal, cause dismissed Aug. 7, 1946.

2,390,636, 2,397,229, L. J. Biro, Writing instrument, filed Aug. 9, 1946, D. C., S. D. N. Y., Doc. 37/328, *Eversharp, Inc., et al.* v. *Fieldston Pen Corp. et al.*

2,397,229. (See 2,390,636.) 2,403,781. (See 2,106,905.)

Re. 19,023 (of 1,673,727), L. V. Aronson, Cigar lighter, filed July 30, 1946, D. C. Mass., Doc. 5798, *Ronson Patents Corp.* v. *I. Albert's Sons, Inc.*

Re. 19,778. (See 1,753,796.)

Re. 19,908. (See 1,719,807.)

Re. 20,033, F. W. Hudson, Soft-rubber plug and socket body, filed Aug. 6, 1946, D. C. N. J., Doc. 8648, *G. D. Hudson* v. *Cords, Ltd., Inc.* Same, filed Aug. 5, 1946, D. C., S. D. N. Y., Doc. 37/196, *G. D. Hudson* v. *U. S. Rubber Co.* Same, filed Aug. 6, 1946, D. C., E. D. Pa., Doc. 6231, *G. D. Hudson* v. *Rodale Mfg. Co., Inc.*

Re. 20,402. (See 1,753,796.)

Re. 21,178. (See Des. 112,778.)

Re. 21,535. (See Des. 112,778.)

Re. 21,864. (See Des. 112,778.)

Des. 112,778, R. E. Kruck, Refrigerator cabinet; 2,166,630, G. F. Forsthoefel, Cabinet construction; Re. 21,178, same, Refrigeration apparatus; 2,194,176, O. H. Yoxsimer, Refrigerator; 2,242,335, same, Cabinet construction; Re. 21,535, W. B. Anderson, Refrigeration apparatus; Re. 21,864, H. D. White, Refrigerator cabinet, D. C., S. D. Ohio, W. Div., Doc. 366, *Westinghouse Electric & Mfg. Co.* v. *Crosley Corp.* Dismissed Aug. 14, 1946.

Des. 136,840, J. Severino, Earring, filed Aug. 9, 1946, D. C., S. D. N. Y., Doc. 37/337, *Case Mfg. Corp. et al.* v. *Alpha Craft Co.*

Public Law 517—79th Congress

[CHAPTER 587—2D SESSION]

[H. R. 3424]

AN ACT

To permit renewal of certain trade-mark registrations after expiry thereof, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That whenever the President shall find that foreign proprietors of trade-marks registered in the United States Patent Office who are nationals of countries which accord substantially equal treatment in this respect to trade-mark proprietors who are citizens of the United States are or may have been temporarily unable to comply with the conditions and formalities prescribed with respect to renewal of such registrations by section 12 of an act to authorize the registration of trade-marks used in commerce with foreign nations or among the several States or with Indian tribes, and to protect the same, approved February 20, 1905, as amended (15 U. S. C. 92), because of the disruption or suspension of facilities essential for such compliance because of conditions growing out of World War II, he may by proclamation grant such extension of time as he may deem appropriate for the fulfillment of such conditions or formalities by such foreign proprietors: *Provided*, That the President may at any time terminate any proclamation authorized herein or any part thereof or suspend or extend its operation for such period or periods of time as in his judgment the interests of the United States may require: *Provided further*, That no such extension of time shall permit the filing of applications more than three years after the approval of this act: *And provided further*, That the benefits of this act shall not extend to nationals of any enemy country with which the United States was at war in World War II.

Approved July 17, 1946.

Public Law 690—79th Congress

[CHAPTER 910—2D SESSION]

[H. R. 5223]

AN ACT

To extend temporarily the time for filing applications for patents, for taking action in the United States Patent Office with respect thereto, for preventing proof of acts abroad with respect to the making of an invention, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the rights of priority provided by section 4887 of the Revised Statutes (U. S. C., title 35, sec. 32), as amended, for the filing of applications for patent for inventions, discoveries, and designs, which rights had not expired on the 8th day of September 1939, or which rights have arisen since the 8th day of September 1939, shall be, and the same are hereby, extended until the expiration of a period of twelve months from the passage of this act in favor of the citizens of the United States and of citizens or subjects of all countries which have extended, or which now extend or which within said period of twelve months shall extend substantially reciprocal privileges to citizens of the United States, and such extension shall apply to applications upon which patents have been granted, as well as to applications now pending or filed within the period specified herein: *Provided*, That no such extension shall apply to any patent unless a request in writing was made therefor during the pendency of the application for such patent in the United States Patent Office, or within twelve months after the passage of this act, which request must be accompanied by (1) a copy of the original foreign application, certified to by the patent office of the country in which it was filed, but if the original foreign application has been destroyed, other evidence pertaining thereto may be accepted; (2) a sworn translation of the same if it is not in the English language; and (3) if the foreign application was not made by the inventor himself, an affidavit by the applicant or patentee stating that such application was filed for his benefit or on his behalf and that such procedure is in accordance with the procedure in the foreign country: *Provided further*, That no patent granted or validated by reason of any such extension shall in any way furnish a basis of claim against the Government of the United States: *Provided further*, That such extension shall in no way abridge or otherwise affect the right of the United States, or of any person, firm, association, company, or corporation, who, before the passage of this act was bona fide in possession of any rights in or under patents or applications for patents conflicting with rights in patents granted or validated by reason of such extensions to exercise such rights by itself or himself personally, or by such agents, or licensees as derived their rights from it or him before the passage of this act, to the extent that they shall not be amenable to any action for infringement of any patent granted or validated by reason of such extension.

A patent shall not be refused on an application coming within the provisions of this section, nor shall a patent granted on such application be held invalid, by reason of the invention having been patented or described in any printed publication or in public use or on sale in the United States more than one year prior to the filing of the application in the United States, unless such patent or publication or such public use or sale was prior to the filing of the foreign application upon which the right of priority is based.

SEC. 2. Whenever, prior to the 8th day of April 1946, an invention, discovery, or a design has been communicated in writing or embodied in any article supplied to the Government of the United States or to any person, firm, or corporation in the United States at the request of said Government, pursuant to and by reason of an agreement or arrangement between the Government of the United States and the government of a foreign country for the supply or mutual exchange of information or articles for use for national defense purposes during the periods of the national emergencies declared by the President of the United States preceding World War II, or for use for war purposes during World War II—

(*a*) A patent based on an application filed by the inventor of the invention, discovery, or design so communicated or supplied shall not be refused or held invalid merely because of the fact that the invention, discovery, or design had been in public use or on sale in the United States, or described in a printed publication, if such public use or sale or publication was in consequence of and attributable to the communication or supply and subsequent to the date of the communication or supply; and

(*b*) For use in any action in a United States court or proceeding in the Patent Office involving a patent for an invention, discovery, or a design, or involving an application for patent for an invention, discovery, or a design so communicated or supplied any court of the United States for any district or Territory thereof, and the Commissioner of Patents shall have the power to call upon any department or agency of the Government of the United States to produce information or papers in its possession relating to the communication or supply or relating to the further communication of the invention, discovery, or design by said department or agency to any person, firm, or corporation in the United States: *Provided, however*, That the head of any department or agency may refuse and omit to comply with any call for information or papers when in his opinion such compliance would jeopardize the national defense.

No benefit under section 2 of this act shall be extended to any person unless (1) an application for patent for the same invention, discovery, or design which was communicated or supplied as aforesaid is filed in the United States Patent Office prior to the expiration of twelve months from the date of this act; and (2) unless sufficient information in writing and under oath as to what was communicated or supplied, the date thereof and to

whom made, is furnished to the Commissioner of Patents by the owner of such application while it is pending, or prior to the expiration of twelve months from the date of this act to enable him to judge of the identity of the invention so communicated or supplied with the invention claimed in such application, which information shall be made a part of the record of such application and shall have no evidentiary value as proof of the facts stated therein; and (3) unless the country of which such person is a national extends substantially reciprocal privileges to citizens of the United States.

SEC. 3. That whenever it shall be shown to the satisfaction of the Commissioner of Patents that the time now fixed by law for the payment of any fee, or for the taking of any other action, with respect to an application for patent for an invention, discovery, or design has lapsed because of conditions growing out of World War II, which time had not expired on the 8th day of September 1939, or which commenced after the 8th day of September 1939, such time may be extended by the Commissioner to a date not later than twelve months after the passage of this act, without the payment of extension fees or other penalty, in favor of citizens of the United States and the citizens or subjects of countries which have extended, now extend, or shall extend prior to the expiration of twelve months after the passage of this act substantially reciprocal privileges to citizens of the United States: *Provided*, That no extension herein shall confer such privileges upon the citizens or subjects of a foreign country for a longer term than the term during which such privileges are conferred by such foreign country upon the citizens of the United States, but nothing in this act shall give any right to reopen interference proceedings where final hearing before the Examiner of Interferences or the Board of Interference Examiners has taken place.

SEC. 4. That no patent granted or validated by reason of any extension of time provided for by sections 1 and 3 of this act shall abridge or otherwise affect the right of the United States, or of any person, firm, association, company, or corporation, or agent or agents, or his successor in business, to continue or to resume any manufacture, use, or sale bona fide commenced by it or him in the United States before the passage of this act, or, in the case of an application claiming the benefits of section 3 hereof, commenced by it or him before the taking of action or the payment of any fee under that section if such action or payment was later than the passage of this act, nor shall the further manufacture, use, or sale by it or him, or its or his agents or successors in business or the use or sale of the devices resulting from such manufacture or use constitute an infringement: *Provided*, That the benefits of this section shall not apply to the manufacture, use, or sale as aforesaid if and to the extent that it is based upon or attributable to a communication of the invention, discovery, or design so manufactured, used, or sold to the United States or to any person, firm, or corporation in the United States at the request of said Government under an agreement or arrangement between the Government of the United States and the government of another country for the supply or mutual exchange of information or articles for use for national defense purposes during the periods of the national emergencies declared by the President of the United States preceding World War II, or for use for war purposes during World War II.

SEC. 5. Notwithstanding the provisions of sections 4885 and 4887 of the Revised Statutes (U. S. C., title 35, secs. 41 and 32, respectively) no patent issued subsequent to July 17, 1945, which was scheduled for issue on that date, or on July 24, July 31, or August 7, 1945, shall be held invalid because of the deferment of the issuance of such patent due to the failure to issue patents on July 17 and July 24, 1945.

SEC. 6. Notwithstanding the provisions of the Act of Congress approved July 1, 1940 (54 Stat. 710; U. S. C., title 35, sec. 42), as amended by the act approved August 21, 1941 (55 Stat. 657; U. S. C., title 35, secs. 42*a*–42*f*), and as further amended by the act of June 16, 1942 (56 Stat. 370), no person shall be debarred from receiving a patent for an invention made in the United States, nor shall any patent issued for such invention be deemed or held invalid under said act, merely because authorization to file an application for patent for such invention in any country foreign to the United States was not first obtained from the Commissioner of Patents: *Provided*, That the Commissioner subsequently authorized the filing of the application in such foreign country.

SEC. 7. That all applications for patents for inventions, discoveries, or designs officially accepted by the Patent Office and given a serial number and date of filing since the 8th day of September 1939, and prior to the passage of this act, which were executed by an agent of the applicant, and in which a duplicate copy of the specification and a new petition and oath, all duly signed and executed by the inventor or his executor or administrator has been or shall have been filed within a period of twelve months from the approval of this act, and the patents granted on such applications, shall have the same force and effect as if the papers signed and executed by the inventor, or his executor or administrator, had been filed on the date on which the papers signed by his agent were deposited in the United States Patent Office.

SEC. 8. That all applications for patents for inventions, discoveries, or designs filed since the 8th day of September 1939, in which the oath was executed before or authenticated by a consular officer, or other representative qualified to administer oaths, of a government acting in the interest of the Government of the United States, shall have the same force and effect as if said oath had been executed by the applicant before a consular officer of the United States.

SEC. 9. That in proceedings in the Patent Office and in the courts of the United States an applicant for a patent for an invention, discovery, or a design, or a patentee, shall not be permitted to establish the date of invention or discovery by reference to knowledge or use thereof, or other activity with respect thereto, in a country foreign to the United States, other than the filing in a foreign country of an application for a patent for the same invention, discovery, or design which, in accordance with the provisions of section 4887 of the Revised Statutes, as amended, or in accordance with and subject to the provisions of this act, is entitled to have the same force and effect as it would have had if filed in the United States on the date on which it was filed in such foreign country: *Provided*, That where an invention was made by a person, civil or military, during the time such person was domiciled in the United States or its possessions and was serving in a foreign country in connection with the prosecution of the war on behalf of the United States or its allies, the inventor thereof shall be entitled, in interference and other proceedings arising in connection with such invention, to the same rights of priority with respect to such invention as if the same had been made in the United States.

SEC. 10. No patent for an invention or a discovery granted under the provisions of section 1 or 3 of this act shall extend for a longer term than twenty years from the filing date of the first application regularly filed in any country disclosing the same invention, and in no event for a period in excess of seventeen years from the date of the grant of such patent.

SEC. 11. No claims for patent infringement shall be made or action brought by or on behalf of or for the benefit of any country or a national of any country against which the United States has declared the existence of a state of war, in respect to any manufacture, use, or sale since September 8, 1939.

SEC. 12. That nothing in this act shall affect any act which has been or shall be done by virtue of the special measures taken during World War II under legislative, executive, or administrative authority of the United States in regard to the rights of any enemy, or ally of an enemy, as defined by the Trading With the Enemy Act of October 6, 1917 (40 Stat. L. 411), as amended, in patents for inventions and designs.

SEC. 13. Section 10 (*a*) of the said Trading With the Enemy Act, relating to the filing and prosecution of applications for patents and the registration of trade-marks, prints, labels, and copyrights, by an enemy, or ally of an enemy, is hereby repealed.

SEC. 14. The benefits of this act shall not extend in favor of inventions, applications, or patents made by or owned by citizens of any country with which the United States shall have been at war since the 8th day of September 1939. The Alien Property Custodian shall be entitled to the benefits of this act.

SEC. 15. Nothing contained in this act shall be effective to nullify any judicial finding upon the validity of any patent for an invention, discovery, or a design heretofore made by a court of competent jurisdiction.

SEC. 16. If any clause, sentence, paragraph, or part of this act shall be adjudged by any court of competent jurisdiction to be invalid, such judgment shall not affect, impair, or invalidate the remainder thereof, but shall be confined in its operations to the clause, sentence, paragraph, or part thereof directly involved in the controversy in which such judgment shall have been rendered.

Approved August 8, 1946.

Order No. 4094

APPLICATIONS EXECUTED AND FILED BY AGENTS

[Supplement to Order 3662, October 13, 1942]

U. S. PATENT OFFICE, *Washington 25, D. C., Sept. 9, 1946.*

1. *Legislation enacted.* Section 7 of Public Law 690, approved August 8, 1946, provides for the validation under certain conditions of agent executed applications accepted by the Patent Office under Order 3662. The section reads as follows:

"All applications for patents for inventions, discoveries, or designs officially accepted by the Patent Office and given a serial number and date of filing since the 8th day of September 1939, and prior to the passage of this act, which were executed by an agent of the applicant, and in which a duplicate copy of the specification and a new petition and oath, all duly signed and executed by the inventor or his executor or administrator has been or shall have been filed within a period of twelve months from the approval of this act, and the patents granted on such applications, shall have the same force and effect as if the papers signed and executed by the inventor, or his executor or administrator, had been filed on the date on which the papers signed by his agent were deposited in the United States Patent Office."

2. *Partial expiration of Order 3662.* Under the terms of the act only applications accepted by the Patent Office prior to August 8, 1946, can be validated. Hence agent executed applications filed on and after August 8, 1946, cannot be accepted. The first two paragraphs of Order 3662 are no longer in force insofar as acceptance of new agent executed applications is concerned.

3. *Inventions of citizens of enemy countries.* Section 14 of the act excludes inventions or applications made by or owned by citizens of enemy countries from any of the benefits of the act. Consequently, agent executed applications in which the inventor is a citizen of an enemy country cannot be validated, but this prohibition does not apply to applications vested by the Alien Property Custodian. All pending agent executed applications which cannot be validated (that is, applications in which the inventors are citizens of enemy countries and which have not been vested by the Alien Property Custodian) should be taken up immediately and a notice of abandonment mailed (see also paragraph 7 of this order). The application is then to be sent to the abandoned files the next time abandoned files are pulled. If the application is up for action by the Examiner, action on the merits should not be given.

4. *Suspended applications.* All agent executed applications which were otherwise in condition for allowance and in which action by the Office was suspended in accordance with the fourth paragraph of Order 3662 should be taken up and the following disposition made:

(*a*) If the application cannot be validated, it is to be treated as in paragraph 3 of this order.

(*b*) If properly signed and executed papers have been filed, a notice is to be written indicating that the applicant is entitled to the first filing date, and the case passed to issue or other appropriate action taken. Filing of the duplicate copy of the specification with the new petition and oath will constitute the ratification specified in the last paragraph of Order 3662.

(*c*) If papers have been filed but are defective, a notice should be written calling attention to the defects or omissions. The application remains suspended and if the papers are completed in time, it will be treated as in (*b*).

(*d*) In other cases, where the papers have not been filed, a letter is to be written calling attention to the act and to the last paragraph of Order 3662. The application remains suspended and if the papers are filed in time, it will be treated as in (*b*) or (*c*).

5. *Other pending applications.* Other pending agent executed applications which are not covered by paragraphs 3 and 4 of this order should have a notice written in them advising the applicant of the status of the application as in subparagraphs (*b*), (*c*) or (*d*) of paragraph 4. If the application is due for action by the Examiner within approximately the next two months, the notice is to be incorporated in the action when it is made. If the application will not be reached for action that soon, a notice should be sent as soon as possible, concluding with the statement that the application will be taken up for action in due course. If the application is not up for action by the Examiner, the notice should be sent immediately after the response by applicant is received. The notice is not necessarily an action in the case. No positive requirement for the papers or for correction or completion should be made. If the application is otherwise ready for allowance, the notice should so state and further action by the Office suspended as heretofore.

6. *Final roundup.* Properly signed and executed papers cannot be filed after August 8, 1947, to validate an agent executed application. A reasonable time after this date, and thereafter, all suspended applications and those up for action in which the proper papers have not been filed, or have not been filed in time, should be taken up by the Examiner and a notice of abandonment sent.

7. *Reference to Supervisors.* All applications in which a notice, or an action embodying a notice, as required by paragraphs 3, 4, 5, and 6 is being sent should be forwarded to the Supervisory Examiners, with the notice or action, before the letter is mailed. The Supervisory Examiners, in addition to reviewing the letters, will keep an index of all agent executed applications, and will forward the file to the Application Division for entry on its records and endorsement of the front of the file whenever necessary.

CASPER W. OOMS.
Commissioner.

Notice

EXTENSION OF PERIOD OF PRIORITY

PRELIMINARY NOTICE

U. S. PATENT OFFICE, *Washington 25, D. C., Aug. 30, 1946.*

1. Applicants for United States patents, or patentees, seeking an extension of the period of priority under section 1 of Public Law 690, approved August 8, 1946, are required by the act to make a specific request in writing, and to supply a certified copy of the foreign application, a sworn translation of the same if it is not in the English language, and, when necessary, proof of identity of parties.

2. Until and unless the required material is furnished, Examiners will act on applications in the usual way, that is, they will cite and use whatever references and grounds of rejection may be applicable, considering the actual filing date of the application in the United States as the only date to which it is entitled. However, where the statutory bar based on the granting of a foreign patent on an application filed more than one year prior to the filing of the application in the United States is applicable, the Examiner should, as far as possible, also apply other pertinent references and grounds so that in the event the statutory bar is subsequently removed by recourse to the act, prosecution of the application will have been advanced. Applicants must reply to Office actions within the statutory time limit and make as complete replies as are required in any other case.

3. When an application is filed with the object of obtaining the extended period of priority, the allegations in the oath with respect to patenting, publication and public use more than one year prior to the application may be modified in accordance with the last paragraph of section 1 of the act, but the customary oath will be required if the extended date is eventually refused. The customary allegation with respect to no prior foreign patenting on an application filed more than one year prior to the application in this country should, of course, be modified to correctly state the facts whenever necessary. Such applications may be filed any time before August 8, 1947, and need not be accompanied by the papers mentioned in the first paragraph hereof.

4. Persons filing the material required by section 1 and requesting the extended period of priority are not then required to prove that reciprocity exists with their particular country. The Patent Office will determine this fact in the first instance and will act accordingly. When reciprocity has been determined in connection with any country a notice will be published in the OFFICIAL GAZETTE.

5. When the required papers are filed in any case, the Examiner will refer the application immediately to the Supervisory Examiners for instructions as to whether reciprocity exists with respect to the particular country involved and will act accordingly. The existence of reciprocity will be determined by the Commissioner. The Examiners may be instructed to proceed with the examination of the application as to other matters pending this determination.

6. It will also be necessary for the Patent Office to determine in each case that the foreign application is "an application for patent for the same invention" as applied for in the United States (R. S. 4887). This determination will be made in the first instance by the Examiner. Attention is called to the fact that a similar and analogous requirement as to "the same invention" is in the reissue statute, R. S. 4916; mere readability of claims on the earlier case is not always sufficient to constitute "the same invention," and reissue decisions may be considered applicable in determining this question.

7. Any action taken by the Examiner granting or refusing the extended priority date should be referred to the Supervisory Examiners for review before the action is mailed.

8. Requests for extensions of time under section 3 of the act should be accompanied by the appropriate action and by a showing of the cause of the delay. These will be treated procedurally in the same manner as petitions to revive or petitions for delayed payment of a final fee, but a petition fee is not required. An applicant may apply for extensions under both section 1 and section 3 of the act.

9. No application coming under either section 1 or section 3 of the act shall be passed to issue without being first referred to the Supervisory Examiner.

10. Questions arising under the act shall be referred to the Supervisory Examiner.

CASPER W. OOMS,
Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Owens-Corning Fiberglas Corporation is the record owner of a number of patents which relate to glass fibers, glass fiber products, and their manufacture. These include inventions relating to glass textile yarns and fabrics for draperies, coated cloths, plastic reinforcement, electrical insulation and other applications; glass fiber packs for air filters and chemical processing; glass fiber mats for batteries, roofing, pipe wrap and the like; glass fiber insulation for household appliances, homes, factories, aircraft, ships and trains; and a variety of other new glass fiber products.

These patents are registered as Nos. 3,925 to 4,081, inclusive, and are available for licensing, on reasonable terms to any prospective manufacturer who can meet reasonable requirements of financial responsibility.

LIST A

Owens-Corning Fiberglas Corporation patents available for license for reasonable royalty

Pat. 1,738,217. METHOD AND APPARATUS FOR SPINNING GLASS. Patented Dec. 3, 1929.

Pat. 1,898,424. FRAMEWORK FOR AIR FILTERS. Patented Feb. 21, 1933.

Pat. 2,016,401. CAKED GLASS WOOL AND ITS MANUFACTURE. Patented Oct. 8, 1935.

Pat. 2,044,221. FRAMEWORK FOR AIR FILTERS. Patented June 16, 1936.

Pat. 2,068,202. MANUFACTURE OF GLASS WOOL. Patented Jan. 19, 1937.

Pat. 2,068,203. METHOD AND APPARATUS FOR MANUFACTURING AND FABRICATING GLASS WOOL. Patented Jan. 19, 1937.

Pat. 2,077,951. AIR FILTER. Patented Apr. 20, 1937.

Pat. 2,083,132. METHOD AND PRODUCT FOR TREATING GLASS WOOL. Patented June 8, 1937.

Pat. 2,107,284. METHOD AND PRODUCT FOR TREATING GLASS WOOL. Patented Feb. 8, 1938.

Pat. 2,117,371. BATTERY SEPARATOR PLATE. Patented May 17, 1938.

Pat. 2,118,271. AIR FILTER ENVELOPE. Patented May 24, 1938.

Pat. 2,121,802. METHOD AND APPARATUS FOR STRENGTHENING FIBERS. Patented June 28, 1938.

Pat. 2,122,514. AIR FILTERING MATERIAL. Patented July 5, 1938.

Pat. 2,131,750. WATERPROOF AND OILPROOF BINDER. Patented Oct. 4, 1938.

Pat. 2,132,702. COMBINED ASBESTOS AND GLASS FIBER YARN. Patented Oct. 11, 1938.

Pat. 2,133,183. ELECTRICAL INSULATION. Patented Oct. 11, 1938.

Pat. 2,133,235. METHOD AND APPARATUS FOR MAKING GLASS WOOL. Patented Oct. 11, 1938.

Pat. 2,133,236. GLASS WOOL AND METHOD AND APPARATUS FOR MAKING SAME. Patented Oct. 11, 1938.

Pat. 2,133,237. TEXTILE MATERIAL. Patented Oct. 11, 1938.

Pat. 2,133,238. GLASS FABRIC. Patented Oct. 11, 1938.

Pat. 2,134,009. LOW TEMPERATUE INSULATION. Patented Oct. 25, 1938.

Pat. 2,134,340. HEAT INSULATION. Patented Oct. 25, 1938.

Pat. 2,137,246. FILTER. Patented Nov. 22, 1938.

Pat. 2,138,874. FILTER UNIT. Patented Dec. 6, 1938.

Pat. 2,145,898. ADHESIVE COATING FOR FILTERS. Patented Feb. 7, 1939.

Pat. 2,145,899. METHOD AND APPARATUS FOR NODULIZING FIBROUS MATERIAL. Patented Feb. 7, 1939.

Pat. 2,150,945. METHOD AND APPARATUS FOR SPINNING GLASS WOOL. Patented Mar. 21, 1939.

Pat. 2,154,476. APPARATUS FOR MANUFACTURING GLASS WOOL BATS AND OTHER ARTICLES. Patented Apr. 18, 1939.

Pat. 2,156,316. APPARATUS FOR MAKING FIBROUS MATERIALS. Patented May 2, 1939.

Pat. 2,159,028. INSULATING BAT. Patented May 23, 1939.

Pat. 2,159,053. INSULATING BAT. Patented May 23, 1939.

Pat. 2,160,001. GLASS WOOL PACKING. Patented May 30, 1939.

Pat. 2,160,003. AIR FILTER. Patented May 30, 1939.

Pat. 2,160,009. PIPE COVERING. Patented May 30, 1939.

Pat. 2,165,280. METHOD AND APPARATUS FOR FORMING A FIBROUS MAT. Patented July 11, 1939.

Pat. 2,165,318. APPARATUS FOR FEEDING MOLTEN GLASS. Patented July 11, 1939.

Pat. 2,168,366. POROUS TUBE FOR STORAGE BATTERY ELECTRODES. Patented Aug. 8, 1939.

Pat. 2,175,195. SPRING TAKE-UP FOR FILTER UNITS. Patented Oct. 10, 1939.

Pat. 2,175,224. ELECTRICALLY HEATED BLOWER. Patented Oct. 10, 1939.

Pat. 2,175,225. METHOD OF MAKING GLASS WOOL. Patented Oct. 10, 1939.

Pat. 2,177,323. METHOD AND APPARATUS FOR CONTROLLING THE IMPREGNATION OF TEXTILES. Patented Oct. 24, 1939.

Pat. 2,178,614. AIR FILTER. Patented Nov. 7, 1939.

Pat. 2,184,286. FIBROUS BAT MARKING. Patented Dec. 26, 1939.

Pat. 2,184,316. MINERAL FIBER BINDER. Patented Dec. 26, 1939.

Pat. 2,184,320. TREATMENT OF GLASS FIBERS. Patented Dec. 26, 1939.

Pat. 2,188,927. ELECTRICALLY HEATING MOLTEN GLASS. Patented Feb. 6, 1940.

Pat. 2,189,822. METHOD AND APPARATUS FOR MAKING GLASS WOOL. Patented Feb. 13, 1940.

Pat. 2,189,840. METHOD FOR APPLYING COATINGS TO FIBERS IN MAT FORM. Patented Feb. 13, 1940.

Pat. 2,192,917. APPARATUS FOR CLEARING MATTED MATERIAL FROM A SUPPORTING SCREEN. Patented Mar 12, 1940.

Pat. 2,192,944. APPARATUS FOR MANUFACTURING GLASS WOOL. Patented Mar. 12, 1940.

Pat. 2,206,058. MANUFACTURE OF GLASS WOOL. Patented July 2, 1940.

Pat. 2,206,059. FIBROUS GLASS FELT. Patented July 2, 1940.

Pat. 2,206,060. METHOD AND APPARATUS FOR FIBERIZING VITREOUS MATERIAL. Patented July 2, 1940.

Pat. 2,207,764. METHOD AND APPARATUS FOR MAKING GLASS WOOL. Patented July 16, 1940.

Pat. 2,208,897. WIRE COVERING DEVICE. Patented July 23, 1940.

Pat. 2,209,850. FIBROUS GLASS TEXTILE MATERIAL FOR ELECTRICAL INSULATION. Patented July 30, 1940.

Pat. 2,214,294. INSULATION COVERING. Patented Sept. 10, 1940.

Pat. 2,216,759. APPARATUS FOR FABRICATING FIBROUS MATERIAL. Patented Oct. 8, 1940.

Pat. 2,219,285. APPARATUS AND METHOD FOR NODULATING FIBERS. Patented Oct. 29, 1940.

Pat. 2,219,346. METHOD AND APPARATUS FOR PRODUCING FIBROUS MATERIAL. Patented Oct. 29, 1940.

Pat. 2,220,127. AIR FILTER. Patented Nov. 5, 1940.

Pat. 2,220,433. GLASS WOOL APPARATUS. Patented Nov. 5, 1940.

Pat. 2,224,149. APPARATUS FOR COATING STRANDS. Patented Dec. 10, 1940.

Pat. 2,224,466. SKIRTED BLOWER. Patented Dec. 10, 1940.

Pat. 2,225,009. METHOD OF BONDING FIBER GLASS WITH CARBON. Patented Dec. 17, 1940.

Pat. 2,225,667. APPARATUS FOR DRAWING GLASS FIBERS. Patented Dec. 24, 1940.

Pat. 2,227,357. PRODUCTION OF FIBER GLASS. Patented Dec. 31, 1940.

Pat. 2,230,270. APPARATUS FOR FORMING WEBS OF FIBROUS MATERIAL. Patented Feb. 4, 1941.

Pat. 2,230,271. METHOD OF PRODUCING COMBINED ASBESTOS AND GLASS FIBER YARNS. Patented Feb. 4, 1941.

Pat. 2,230,272. METHOD OF PRODUCING GLASS FIBERS. Patented Feb. 4, 1941.

Pat. 2,231,815. FIBROUS ARTICLE. Patented Feb. 11, 1941.

Pat. 2,233,433. GLASS WOOL. Patented Mar. 4, 1941.

Pat. 2,233,435. GLASS STOCK FOR ELECTRIC MELTING. Patented Mar. 4, 1941.

Pat. 2,234,986. MECHANICALLY DRAWING FIBERS. Patented Mar. 18, 1941.

Pat. 2,235,352. APPARATUS FOR BLOWING GLASS WOOL. Patented Mar. 18, 1941.

Pat. 2,238,204. METHOD AND APPARATUS FOR THE PRODUCTION OF FINE FILAMENTS OF GLASS. Patented Apr. 15, 1941.

Pat. 2,239,722. APPARATUS FOR MAKING SLIVER. Patented Apr. 29, 1941.

Pat. 2,241,405. APPARATUS FOR GATHERING FIBERS. Patented May 13, 1941.

Pat. 2,245,783. METHOD OF COLORING GLASS FIBERS. Patented June 17, 1941.

Reissue 21,863. METHOD AND APPARATUS OF MELTING AND FINING GLASS. Reissued July 22, 1941.

Pat. 2,252,157. INSULATING BAT. Patented Aug. 12, 1941.

Pat. 2,252,724. AIR FILTER. Patented Aug. 19, 1941.

Pat. 2,255,578. ELECTRIC FURNACE. Patented Sept. 9, 1941.

Pat. 2,257,767. APPARATUS FOR THE MANUFACTURE OF GLASS FIBERS. Patented Oct. 7, 1941.

Pat. 2,261,148. METHOD OF TREATING FIBROUS GLASS. Patented Nov. 4, 1941.

Pat. 2,263,207. INTERMITTENT CONVEYOR. Patented Nov. 18, 1941.

Pat. 2,263,217. HEAT TREATMENT OF GLASS TEXTILES. Patented Nov. 18, 1941.

Pat. 2,264,285. ELECTRICAL RESISTANCE AND METHOD OF MAKING SAME. Patented Dec. 2, 1941.

Pat. 2,264,345. METHOD OF MAKING SLIVERS. Patented Dec. 2, 1941.

Pat. 2,269,459. TUBULAR FIBER. Patented Jan. 13, 1942.

Pat. 2,269,497. NICKEL-PLATINUM ALLOY. Patented Jan. 13, 1942.

Pat. 2,272,180. STITCHING MECHANISM. Patented Feb. 10, 1942.

Pat. 2,272,215. AUTOMATIC CUTOFF DEVICE. Patented Feb. 10, 1942.

Pat. 2,272,588. COATING FOR FIBROUS GLASS STRANDS. Patented Feb. 10, 1942.

Pat. 2,274,681. WINDING MECHANISM AND METHOD. Patented Mar. 3, 1942.

Reissue 22,078. SLIVER FORMATION. Reissued Apr. 21, 1942.

Pat. 2,280,101. ELECTRIC FURNACE AND MELTING METHOD. Patented Apr. 21, 1942.

Pat. 2,286,603. SPACING MECHANISM FOR CONVEYERS. Patented June 16, 1942.

Pat. 2,286,903. FIBER PRODUCING MECHANISM. Patented June 16, 1942.

Pat. 2,287,006. APPARATUS FOR MAKING GLASS WOOL. Patented June 16, 1942.

Pat. 2,287,007. METHOD OF MAKING GLASS WOOL. Patented June 16, 1942.

Pat. 2,288,072. METHOD AND APPARATUS FOR MAKING BONDED FIBROUS PRODUCTS. Patented June 30, 1942.

Pat. 2,291,289. APPARATUS FOR MAKING SILICEOUS FIBERS. Patented July 28, 1942.

Pat. 2,293,677. ELECTRICAL CABLE COVERING. Patented Aug. 18, 1942.

Pat. 2,300,736. METHOD OF MAKING FILAMENTOUS GLASS. Patented Nov. 3, 1942.

Pat. 2,304,233. METHOD OF INSULATING PANELS. Patented Dec. 8, 1942.

Pat. 2,306,347. METHOD AND APPARATUS FOR MAKING FIBROUS GLASS PRODUCTS. Patented Dec. 22, 1942.

Pat. 2,308,857. SODIUM CALCIUM BOROSILICATE GLASS. Patented Jan. 19, 1943.

Pat. 2,311,704. METHOD OF MAKING PARALLEL FIBER UNITS. Patented Feb. 23, 1943.

Pat. 2,313,630. METHOD AND APPARATUS FOR PRODUCING GLASS FIBERS. Patented Mar. 9, 1943.

Pat. 2,314,857. APPARATUS FOR MANUFACTURING SLIVERS. Patented Mar. 23, 1943.

Pat. 2,314,956. ELECTRIC FURNACE. Patented Mar. 30, 1943.

Pat. 2,315,259. TREATING GLASS FIBERS. Patented Mar. 30, 1943.

Pat. 2,318,243. APPARATUS FOR FIBERIZING FUSIBLE INORGANIC SUBSTANCES AND FORMING THE FIBERS INTO BATS. Patented May 4, 1943.

Pat. 2,318,244. FIBERIZING MINERAL SUBSTANCES BY CENTRIFUGE AND BLAST. Patented May 4, 1943.

Pat. 2,318,821. METHOD AND APPARATUS FOR MAKING FIBROUS MINERAL MATERIAL. Patented May 11, 1943.

Pat. 2,323,684. COATED GLASS FIBER STRAND. Patented July 6, 1943.

Pat. 2,325,640. TRAVERSING MEANS FOR HIGH SPEED WINDING. Patented Aug. 3, 1943.

Pat. 2,328,302. METHOD OF MAKING PARALLEL FIBER FILTERS. Patented Aug. 31, 1943.

Pat. 2,331,145. METHOD OF FELTING FIBROUS GLASS. Patented Oct. 5, 1943.

Pat. 2,331,146. METHOD OF FELTING GLASS FIBERS. Patented Oct. 5, 1943.

Pat. 2,332,273. FIBROUS GLASS PRODUCT. Patented Oct. 19, 1943.

Pat. 2,332,274. FIBER FORMING APPARATUS. Patented Oct. 19, 1943.

Pat. 2,334,961. GLASS COMPOSITION. Patented Nov. 23, 1943.

Pat. 2,335,102. METHOD OF PRODUCING INORGANIC FIBROUS MATERIAL. Patented Nov. 23, 1943.

Pat. 2,335,135. MANUFACTURE OF FIBROUS GLASS. Patented Nov. 23, 1943.

Pat. 2,339,431. FIBROUS GLASS PRODUCT. Patented Jan. 18, 1944.

Pat. 2,339,590. PRESSURE REGULATOR. Patented Jan. 18, 1944.

Pat. 2,339,928. METHOD OF TREATING GLASS FIBERS AND ARTICLE MADE THEREBY. Patented Jan. 25, 1944.

Pat. 2,341,219. CARBONACEOUS COATING FOR GLASS FIBERS. Patented Feb. 8, 1944.

Pat. 2,344,601. TREATMENT OF FIBROUS GLASS. Patented Mar. 21, 1944.

Pat. 2,348,182. APPARATUS FOR PRODUCING FIBROUS GLASS. Patented May 2, 1944.

Pat. 2,350,996. METHOD OF FORMING PIPE COVERINGS. Patented June 13, 1944.

Pat. 2,351,802. MINERAL WOOL TREATING MATERIAL. Patented June 20, 1944.

Pat. 2,352,780. WINDING APPARATUS. Patented July 4, 1944.

Pat. 2,352,781. TRAVERSING APPARATUS. Patented July 4, 1944.

Pat. 2,353,887. FIBER ATTENUATING APPARATUS. Patented July 18, 1944.

Pat. 2,353,936. AIR FILTERING MATERIAL. Patented July 18, 1944.

Pat. 2,353,937. AIR FILTERING MATERIAL. Patented July 18, 1944.

Pat. 2,360,373. APPARATUS FOR FEEDING GLASS IN THE MANUFACTURE OF FIBERS. Patented Oct. 17, 1944.

Pat. 2,363,470. METHOD FOR MAKING SLIVER. Patented Nov. 21, 1944.

Pat. 2,364,569. HIGH-SPEED TRAVERSING MEANS. Patented Dec. 5, 1944.

Pat. 2,373,077. APPARATUS FOR MANUFACTURING BONDED FIBROUS MATS. Patented Apr. 3, 1945.

Pat. 2,373,078. GUIDE FOR GLASS AND THE LIKE FIBERS. Patented Apr. 3, 1945.

Pat. 2,377,771. TRAVERSING MEANS FOR HIGH-SPEED WINDING. Patented June 5, 1945.

Pat. 2,377,772. APPARATUS FOR THE PRODUCTION OF GLASS FIBERS. Patented June 5, 1945.

Pat. 2,380,915. APPARATUS FOR ATTENUATING FIBERS. Patented Aug. 7, 1945.

Pat. 2,383,168. APPARATUS FOR MELTING GLASS. Patented Aug. 21, 1945.

Pat. 2,386,158. MAKING AND PACKING STRANDS OF MATERIAL. Patented Oct. 2, 1945.

Pat. 2,390,370. MANUFACTURE OF GLASS YARN. Patented Dec. 4, 1945.

Pat. 2,391,870. TRAVERSING MECHANISM. Patented Jan. 1, 1946.

Pat. 2,392,805. GLASS FIBER STRAND. Patented Jan. 15, 1946.

Pat. 2,392,882. METHOD OF DEPOSITING FIBROUS MATERIAL. Patented Jan. 15, 1946.

Pat. 2,394,493. COLORED GLASS FIBERS. Patented Feb. 5, 1946.

Pat. 2,395,371. CRIMPED FIBROUS GLASS. Patented Feb. 19, 1946.

Pat. 2,397,453. TREATMENT OF FIBROUS MATERIAL. Patented Mar. 26, 1946.

Pat. 2,398,808. APPARATUS FOR FORMING FIBROUS STRANDS. Patented Apr. 23, 1946.

The Owens-Corning Fiberglas Corporation is also the record owner of a number of patents on inventions which are not directly usable for the manufacture of glass fibers, but which cover the use of glass fibers or glass fiber products in various types of manufactured articles or equipment. These patents are registered as Nos. 4,082 to 4,105, inclusive, and are available for royalty-free licensing to any prospective manufacturer making request therefor upon payment of a five dollar application fee for each patent.

LIST B

Owens-Corning Fiberglas Corporation patents available for license on a royalty-free basis

Pat. 1,999,142. AIR FILTER SYSTEM. Patented Apr. 23, 1935.

Pat. 2,092,783. MEANS FOR CONTROLLING DENSITY OF INSULATING MATERIAL. Patented Sept. 14, 1937.

Pat. 2,120,270. WIRE HAVING A COVERING OF FIBROUS MATERIAL. Patented June 14, 1938.

Pat. 2,135,057. FABRIC BELTING. Patented Nov. 1, 1938.

Pat. 2,143,015. PACKING MATERIAL FOR FRACTIONATING AND SCRUBBING TOWERS. Patented Jan. 10, 1939.

Pat. 2,143,016. FIBROUS MATERIAL FOR FLUID CONTACTS. Patented Jan. 10, 1939.

Pat. 2,148,496. INSTALLATION OF ACOUSTICAL INSULATING MATERIAL. Patented Feb. 28, 1939.

Pat. 2,148,510. STORAGE BATTERY-BOX COMPOSITION. Patented Feb. 28, 1939.

Pat. 2,184,326. TIRE. Patented Dec. 26, 1939.

Pat. 2,184,899. FIBER GLASS WICKING. Patented Dec. 26, 1939.

Pat. 2,192,933. HEAT INSULATION. Patented Mar. 12, 1940.

Pat. 2,192,939. AGRICULTURAL APPLICATION OF GLASS WOOL. Patented Mar. 12, 1940.

Pat. 2,198,620. PAD FOR PRESSING MACHINES. Patented Apr. 30, 1940.

Pat. 2,202,820. COMMUTATOR. Patented June 4, 1940.

Pat. 2,210,958. BREATHING MEANS FOR PIPE INSULATION. Patented Aug. 13, 1940.

Pat. 2,214,750. AIR FILTER. Patented Sept. 17, 1940.

Pat. 2,224,484. HIGH VOLTAGE INSULATED CABLE. Patented Dec. 10, 1940.

Pat. 2,272,229. IDENTIFYING MEANS FOR TEXTILES. Patented Feb. 10, 1942.

Pat. 2,311,613. TRANSPARENT COMPOSITE MATERIAL. Patented Feb. 16, 1943.

Pat. 2,323,297. HEAT INSULATING CONSTRUCTION. Patented July 6, 1943.

Pat. 2,345,300. HEATING PAD. Patented Mar. 28, 1944.

Pat. 2,373,082. APPARATUS FOR APPLYING MATS TO BATTERY PLATES. Patented Apr. 3, 1945.

Pat. 2,376,698. FASTENING FOR FIBROUS BOARDS. Patented May 22, 1945.

Pat. 2,390,039. INSULATED ELECTRICAL CONDUCTOR. Patented Nov. 27, 1945.

Detailed information may be obtained from Carl G. Staelin, Secretary, Owens-Corning Fiberglas Corp., Toledo 1, Ohio.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 1, 1946

[VOL. 591. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 479,529. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 7, 1945.

FARM MASTER

The word "Farm" is disclaimed apart from the mark. The portrait is fanciful.

FOR PEAT MOSS, USED AS A POULTRY LITTER.

Claims use since Jan. 15, 1941.

CLASS 2

RECEPTACLES

Ser. No. 488,886. CHRISTY L. BERG, doing business as Berg Vault Company, St. Louis, Mo. Filed Sept. 24, 1945.

BRONZOLEUM

FOR BURIAL VAULTS AND CASKETS.

Claims use since Jan. 2, 1945.

Ser. No. 492,803. STRATOSOL CORPORATION, New York, N. Y. Filed Dec. 6, 1945.

FIREWARDEN

FOR WASTEBASKETS ADAPTED TO CONTROL AND SMOTHER FIRE.

Claims use since Nov. 2, 1945.

Ser. No. 503,760. FRANK M. SAYFORD CO. INC., Brooklyn, N. Y. Filed June 12, 1946.

CARRIE-CUP

A Sayford Product

The words "Cup" and "A Sayford Product" and the representation of a paper cup are disclaimed apart from the mark.

FOR PAPER CUPS.

Claims use since Nov. 8, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 503,238. ANGLO-AMERICAN LEATHERGOODS CO., INC., New York, N. Y. Filed June 4, 1946.

PALL MALL

FOR WALLETS AND BILLFOLDS.

Claims use since Apr. 15, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 488,560. ALFRED ANDERSON, doing business as Anderson Chemical Company, Litchfield, Minn. Filed Sept. 17, 1945.

Aerol

FOR GENERAL PURPOSE SOAPLESS POWDERED CLEANSER HAVING A PETROLEUM BASE.

Claims use since July 30, 1945.

Ser. No. 494,233. THE PYNOL COMPANY, Quincy, Ill. Filed Jan. 3, 1946.

PYNOL

FOR SOAP.
Claims use since Nov. 2, 1936.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 482,657. STANLEY HOME PRODUCTS, INC., Springfield, Mass. Filed Apr. 26, 1945.

STAN-WICK

Applicant disclaims apart from the mark any exclusive right to the word "Wick."
FOR DEODORANT.
Claims use since Mar. 10, 1945.

Ser. No. 489,933. BEE CHEMICAL COMPANY, Chicago, Ill. Filed Oct. 15, 1945.

STEE-LIFE

FOR CORROSION PREVENTATIVE COMPOSITIONS.
Claims use since September 1945.

Ser. No. 490,045. RUTH WEISSBERG, doing business as Ruth Darling Lab., Newark, N. J. Filed Oct. 16, 1945.

OILEX

FOR NAIL POLISH REMOVER.
Claims use since June 14, 1945.

Ser. No. 490,457. MARIE RICHELIEU PARFUM ODESANT, INC., New York, N. Y. Filed Oct. 24, 1945.

PINK LILAC

The word "Lilac" is disclaimed apart from the mark.
FOR TOILET WATER AND PERFUME.
Claims use since April 1941 on toilet water; and since Feb. 7, 1944, on perfume.

Ser. No. 491,289. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Nov. 8, 1945.

TECMANGAM

FOR CHEMICAL PREPARATION INCLUDING THE SULPHATES OF MANGANESE, AMMONIUM, AND MAGNESIUM FOR GENERAL USE IN THE AGRICULTURAL AND INDUSTRIAL ARTS.
Claims use since Nov. 7, 1930.

Ser. No. 491,386. BEE CHEMICAL COMPANY, Chicago, Ill. Filed Nov. 10, 1945.

DUO-LYFE

FOR TOOL LIFE INCREASING CHEMICALS FOR METAL INDUSTRY: GRINDING CHEMICALS, MACHINING CATALYSTS, PICKLING INHIBITORS, ADDITIVES AND CUTTING CHEMICALS CONTAINING ADDITIVES. THE PRODUCTS ARE TO BE USED FOR ADDITION TO SOLVENTS SUCH AS WATER OR HYDROCARBON SOLVENTS, TO GIVE TO THESE SOLVENTS THE PROPERTIES FAVORABLE IN THE MACHINING OF METALS, SUCH AS ANTI-WELDING, ANTI-CORROSION AND LUBRICITY PROPERTIES. THEY ARE USED EITHER BY PUMPING ONTO THE TOOL, WHILE THE TOOL IS ACTING ON METAL, OR IN CASE OF DRAWING OPERATIONS THEY MAY BE APPLIED TO THE METAL SO AS TO BE PRESENT ON THE METAL ALREADY IN ADVANCE OF THE MACHINING OPERATION.
Claims use since September 1945.

Ser. No. 492,195. JAY C. HALL, doing business as Rintzet Co., Huntington Park, Calif. Filed Nov. 26, 1945.

RINTZ WITH RINTZET

FOR PREPARATION FOR USE IN COUNTERACTING THE ODOR OF ALCOHOLIC BREATH.
Claims use since Oct. 5, 1945.

Ser. No. 492,213. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Nov. 26, 1945.

ORAMYCIN

FOR TABLET FOR ORAL ADMINISTRATION AS AN ANTACID.
Claims use since Nov. 15, 1945.

Ser. No. 492,824. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Dec. 7, 1945.

TABU

FOR PERFUME, COLOGNE, LIPSTICK, FACE POWDER, SACHET POWDER, BRILLIANTINE, AND HAND LOTION.
Claims use since Dec. 10, 1932.

Ser. No. 493,807. ABBOTT LABORATORIES, North Chicago, Ill. Filed Dec. 15, 1945.

RIBOTINIC

FOR VITAMIN PREPARATION CONTAINING RIBOFLAVIN AND NICOTINAMIDE AS ITS PRINCIPAL ACTIVE INGREDIENTS, MARKETED IN STERILE AMPOULES FOR HYPODERMIC INJECTION BY OR UNDER THE DIRECTION OF A PHYSICIAN.
Claims use since July 14, 1942.

Ser. No. 494,773. AVON PRODUCTS, INC., New York, N. Y. Filed Jan. 15, 1946.

CYCLONE RED

No claim is made to the word "Red" apart from the mark.
FOR LIPSTICK, ROUGE, AND NAIL POLISH.
Claims use since Oct. 25, 1945.

Ser. No. 494,778. AVON PRODUCTS, INC., New York, N. Y. Filed Jan. 15, 1946.

RIDDLE RED

No claim is made to the word "Red" apart from the mark.
FOR LIPSTICK, ROUGE, AND NAIL POLISH.
Claims use since Oct. 25, 1945.

Ser. No. 494,779. AVON PRODUCTS, INC., New York, N. Y. Filed Jan. 15, 1946.

RUGGED

FOR AFTER-SHAVING LOTION, TOILET WATER, TALCUM POWDER, AND HAIR DRESSING.
Claims use since Oct. 25, 1945.

Ser. No. 495,821. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Feb. 1, 1946.

PREMOCILLIN

FOR ORAL PENICILLIN.
Claims use since Jan. 23, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 491,620. ART-CRAFT BRIAR PIPE CO., Brooklyn, N. Y. Filed Nov. 15, 1945.

Lady Diane

FOR SMOKING PIPES.
Claims use since Oct. 29, 1944.

Ser. No. 494,397. DAN FILLSON, Fairbanks, Territory of Alaska. Filed Jan. 7, 1946.



FOR PIPES.
Claims use since Dec. 1, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 501,027. TIDEWATER PLYWOOD COMPANY, Brunswick, Ga. Filed Apr. 26, 1946.

PLAS-TIED

FOR LAMINATED PLYWOOD LUMBER FOR BUILDING PURPOSES.
Claims use since Apr. 9, 1946.

Ser. No. 501,028. TIDEWATER PLYWOOD COMPANY, Brunswick, Ga. Filed Apr. 26, 1946.

TIED-WOOD

No claim is made for the word "Wood" apart from the mark.
FOR LAMINATED PLYWOOD LUMBER FOR BUILDING PURPOSES.
Claims use since Apr. 10, 1946.

Ser. No. 501,046. THE CELOTEX CORPORATION, Chicago, Ill. Filed Apr. 27, 1946.



No claim is made to the words "Texas" and "Tile" per se apart from the mark.
FOR PARTITION TILES.
Claims use since Apr. 17, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 488,172. STRONG, CARLISLE & HAMMOND COMPANY, Cleveland, Ohio. Filed Sept. 8, 1945.

HI-CAP

FOR VALVE AND SEAT ASSEMBLIES FOR STEAM TRAPS.
Claims use since Aug. 10, 1945.

CLASS 15

OILS AND GREASES

Ser. No. 482,361. ROBERT J. BELL, doing business as Bell Laboratories, Orlando, Fla. Filed Apr. 20, 1945.



The drawing is lined for the color red.
FOR OIL USED TO DISSOLVE CARBON AND FOR THE PURPOSE OF IMPROVING THE OPERATION OF INTERNAL COMBUSTION ENGINES.
Claims use since Jan. 1, 1927.

Ser. No. 485,424. SOCIETE ANONYME SOLEX, Neuilly-sur-Seine (Seine), France. Filed July 3, 1945.

SOLEXOL

FOR PETROLEUM PRODUCTS CONSISTING OF GASOLINE, LUBRICATING OILS, LUBRICATING GREASES, AND A MIXTURE OF GASOLINE AND LUBRICATING OIL ADAPTED FOR USE IN TWO-STROKE ENGINES.
Claims use since Mar. 2, 1942.

Ser. No. 488,420. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Sept. 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Hearthstone

FOR CANDLES.
Claims use since Feb. 13, 1945.

Ser. No. 496,197. THE CANFIELD OIL COMPANY, Cleveland, Ohio. Filed Feb. 8, 1946.

Wm. Tell

The mark is the name of a mythical character used in an old Swiss legend, wherein a father was ordered to knock off by arrow an apple on the head of his son.
FOR LUBRICATING OILS.
Claims use since Jan. 17, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 496,565. ROBERT H. PATTERSON, Atlanta, Ga. Filed Feb. 14, 1946.



The name "Marshal Ney" and the portrait is that of the Duke of Elchingen, Prince of Moskva, and Marshal of France, deceased.
FOR CIGARS, CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF.
Claims use since Jan. 10, 1886.

CLASS 19

VEHICLES

Ser. No. 493,530. BEN G. BARNETT, doing business as Harben Manufacturing Company, Dallas, Tex. Filed Dec. 19, 1945.



FOR COLLAPSIBLE CANOPY FRAME FOR ATTACHMENT TO AUTOMOTIVE VEHICLES COMBINED WITH CANVAS COVERS THEREFOR.
Claims use since Nov. 1, 1945.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 474,345. THE NEW INSULATION COMPANY LIMITED, Gloucester, England. Filed Sept. 18, 1944.

INSULAM

FOR ELECTRICAL INSULATING MATERIALS CONSISTING OF WOOD VENEER IMPREGNATED WITH SYNTHETIC RESIN AND INSULATORS MADE THEREFROM.
Claims use since June 1, 1943.

Ser. No. 491,097. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J. Filed Nov. 5, 1945.

TEXCEL

FOR ADHESIVE TAPES USED IN THE ELECTRICAL INDUSTRY FOR BINDING AND INSULATING, AND IN THE CONSTRUCTION OF ELECTRICAL GOODS AND ELECTRICAL STRUCTURES.
Claims use since Mar. 3, 1939.

Ser. No. 494,924. FRANK RIEBER, doing business as Rieber Research Laboratory, New York, N. Y., and elsewhere. Filed Jan. 17, 1946.

VIBROTRON

FOR ELECTRICAL OSCILLATORS AND FILTERS.
Claims use since Oct. 25, 1945.

Ser. No. 495,802. HIPWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Feb. 1, 1946.

Duro-lite

The term "Lite" is disclaimed apart from the mark.
FOR CASINGS FOR PORTABLE BATTERY OPERATED FLASH LAMPS, AND LANTERNS.
Claims use since January 1938.

Ser. No. 496,487. TRANS-LUX NEWS-SIGN CORPORATION, New York, N. Y. Filed Feb. 12, 1946.

'FLASHCAST'

FOR ELECTRICALLY LIGHTED AND OPERATED TRAVELLING MESSAGE SIGNS.
Claims use since Dec. 21, 1945.

Ser. No. 496,488. TRANS-LUX NEWS-SIGN CORPORATION, New York, N. Y. Filed Feb. 12, 1946.

'ADCAST'

FOR ELECTRICALLY LIGHTED AND OPERATED TRAVELING MESSAGE SIGNS.
Claims use since Dec. 21, 1945.

Ser. No. 498,540. PARAGON RADIO DISTRIBUTORS CORP., New York, N. Y. Filed Mar. 19, 1946.

"PARAGON"

FOR RADIO RECEIVING SETS AND/OR RADIO TRANSMITTING SETS, ELECTRIC IRONS, ELECTRIC STOVES, ELECTRIC VACUUM CLEANERS, AND TOASTERS.
Claims use since Dec. 31, 1942.

Ser. No. 499,594. SAMUEL ABELSON, doing business under the name Dalason Products Mfg. Co., Chicago, Ill. Filed Apr. 4, 1946.

JUNE BUG

FOR ELECTRIC CIGAR AND CIGARETTE LIGHTER.
Claims use since Oct. 10, 1945.

Ser. No. 499,681. ZENITH RADIO CORPORATION, Chicago, Ill. Filed April 4, 1946.

ZENITH

FOR ELECTRICAL PICK-UP ARMS AND PARTS AND ELECTRICAL SOUND PICK-UP UNITS FOR TALKING MACHINES.
Claims use since Mar. 4, 1946.

Ser. No. 499,764. CENTURY PRECISION WORKS, INC., New York, N. Y. Filed April 6, 1946.

CENTURY
GLIDE-O-MATIC

FOR ELECTRIC IRONS.
Claims use since Mar. 30, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 475,179. PAUL E. ALLEN, Skokie, Ill. Filed Oct. 11, 1944.

Baby's pal

Applicant is the owner of Reg. Nos. 269,392 and 389,467.
FOR TOY RATTLES AND FABRIC COVERED STUFFED TOYS.
Claims use since June 21, 1938, on toy rattles; and since Sept. 15, 1943, on fabric covered stuffed toys.

Ser. No. 488,222. WILLIAM R. JALOF, doing business as Plastic Products, Los Angeles, Calif. Filed Sept. 10, 1945.

J&J Lifetime

FOR POKER CHIPS.
Claims use since July 18, 1944.

Ser. No. 491,523. CHARLES H. TAYLOR, Springfield, Mass. Filed Nov. 13, 1945.

Flagship

FOR GAME—NAMELY, A GAME BOARD AND PLAYING PIECES MOVABLE THEREON.
Claims use since March 1944.

Ser. No. 495,359. ROBERT W. BERRY, doing business as Berry-Lebeck Mfg. Co., California, Mo. Filed Jan. 25, 1946.



No claim is made to the word "Lure" and the representation of a fish and the goods apart from the mark.
FOR FISH LURES.
Claims use since Jan. 11, 1946.

Ser. No. 499,954. JOHN C. KREMER, West Palm Beach, Fla. Filed Apr. 10, 1946.

"NO ALIBI"

FOR FISHING LURES.
Claims use since May 1938.

Ser. No. 503,154. BANCROFT RACKET COMPANY, Pawtucket, R. I. Filed June 1, 1946.

Winner

FOR SHUTTLECOCKS.
Claims use since Apr. 26, 1946.

Ser. No. 503,896. GIMBEL BROTHERS, INC., New York, N. Y. Filed June 14, 1946.

WIP

FOR GOLF BALLS.
Claims use since Mar. 1, 1928.

Ser. No. 504,869. ANN J. LORENZEN, Atlantic City, N. J. Filed June 21, 1946.

Scar Belly

FOR DOLLS.
Claims use since June 1, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 481,875. AITCHISON MANUFACTURING COMPANY, Albert Lea, Minn. Filed Apr. 9, 1945.

LESOTA

FOR PLIERS, SCREW DRIVERS, DRILL BITS, AUGUR BITS, TAP AND DIE SETS, FILES, HAMMERS, SAWS, WRECKING BARS, JACK PLANES, ELECTRIC DRILLS, ROUND DIE SCREW PLATES, KNIVES CONSTRUCTED OF BASE METAL, CHISELS, PUNCHES, CUTTING NIPPERS, WRENCHES, RAZOR BLADES, HACK SAW BLADES, GREASE GUNS, DRILLS, POST DRILLS, AND POWER OPERATED GRINDING WHEELS.
Claims use since July 1, 1935.

Ser. No. 485,522. IRA HAMER ANDERSON, Highland, Ohio. Filed July 7, 1945.

J. H. Anderson

The mark is a facsimile of applicant's signature.
FOR FOOD KNIVES MADE OF NON-PRECIOUS METAL.
Claims use since June 22, 1945.

Ser. No. 487,156. SOCIETE A B G, (SOCIÉTÉS ARIÈS, LA BOUGIE B. G. ET S. F. E. D. R. RÉUNIES), Paris, France. Filed Aug. 11, 1945.

Sfedr
PARIS

The exclusive use of the word "Paris" is disclaimed apart from the mark.
FOR MACHINES FOR THE GRINDING OF GEARS AND OF PLANE SURFACES, DETACHED PARTS, SPARE PARTS AND ACCESSORIES OF ABOVE MACHINES.
Claims use since Oct. 2, 1944.

Ser. No. 487,664. CHRISTENSEN DIAMOND PRODUCTS COMPANY, Salt Lake City, Utah. Filed Aug. 28, 1945.

CHRISTENSEN
DURALITE
DIAMOND PRODUCTS

Applicant disclaims any exclusive right to the use of the name "Christensen Diamond Products" as part of the mark.
FOR TYPES OF DIAMOND DRILL BITS: REAMER SHELLS, CASING BITS, CORING BITS, TAPERED REAMERS, AND PILOT BITS, FOR HARD ROCK DRILLING AND REAMING.
Claims use since Mar. 15, 1944.

Ser. No. 489,569. J. M. DALGLISH AND COMPANY, St. Paul, Minn. Filed Oct. 8, 1945.

Dalco

FOR HARDWARE—NAMELY, LAWN MOWERS, PITCH FORKS, AND HAMMERS.
Claims use since Sept. 16, 1944.

Ser. No. 492,266. HOUSTON OIL FIELD MATERIAL COMPANY, INC., Houston, Tex. Filed Nov. 27, 1945.

HOMCO

FOR OIL WELL TOOLS AND PARTS THEREOF—NAMELY, CUTTERS AND CUTTING KNIVES, SUBS, BITS, SWAGES, SPEARS, OVERSHOTS, FISHING TOOLS, GUIDES FOR OVERSHOTS AND FISHING TOOLS, SHOES, MILLS AND MILLING TOOLS, FISHING TAPS AND BASKETS, BLOCKS, SAMPLERS, DRILLING AND CORING TOOLS, PACKERS, PLUGS, CEMENT RETAINERS, SETTING TOOLS, PERFORATORS, JARS, CLEANERS, BAILERS, JOINTS, COUPLINGS, CONNECTIONS, AND THE LIKE; OIL WELL PUMPS; INTERNAL COMBUSTION ENGINES; DEHYDRATION PLANT EQUIPMENT FOR GAS WELLS AND PARTS THEREOF, COMPRISED OF DEHYDRATORS, CONTACTORS, HEAT-EXCHANGERS, HEATERS, CONDENSORS AND SEPARATORS.

Claims use on oil well tools and parts thereof since on or about Mar. 24, 1937; on oil well tools and parts thereof since on or about Dec. 21, 1944; on pumps and internal combustion engines since on or about June 1, 1944; and on dehydration plant equipment for gas wells and parts thereof since on or about Nov. 1, 1945.

Ser. No. 492,692. DETROIT HARVESTER COMPANY, Detroit, Mich. Filed Dec. 5, 1945.

DURA

FOR ELECTRIC MOTOR DRIVEN FLUID PUMPS, AND SPECIFICALLY HYDRAULIC PUMPS, DIRECTLY CONNECTED TO BE DRIVEN BY AN ELECTRIC MOTOR AND FOR USE IN OPERATING REGULATOR MECHANISMS FOR VEHICLES SUCH, FOR EXAMPLE, AS WINDOW REGULATORS.

Claims use since 1940.

Ser. No. 492,695. EKCO PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 5, 1945.

EKCO

FOR KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—NAMELY, FOOD CHOPPERS, ICE PICKS, SCOOPS, CAN OPENERS, SPOONS, TURNERS, PEELING AND CORING TOOLS, EGG BEATERS, CULINARY FORKS, KNIFE SHARPENERS, VEGETABLE MASHERS, DOUGH BLENDERS, PLATE SCRAPERS, LADLES, FOOD SERVERS, SPATULAS, KNIVES, AND BASE METAL TABLE FLATWARE.

Claims use since Sept. 1, 1944, on knives; since May 1, 1945, on table flatware; and since Nov. 1, 1944, on the remaining goods.

Ser. No. 493,453. PREMIER OPTICAL PRODUCTS, INC., New York, N. Y. Filed Dec. 17, 1945.

FOR OPTICAL INSTRUMENTS—I. E., PLIERS.

Claims use since Sept. 20, 1945.

Ser. No. 494,567. MARKWELL MFG. CO., INC., New York, N. Y. Filed Jan. 10, 1946.

PREMIER

FOR STAPLING MACHINES USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND METAL TOGETHER, ALSO FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND METAL, ON TO WOOD.

Claims use since Dec. 14, 1945.

Ser. No. 495,481. LAKE SHORE ENGINEERING COMPANY, Iron Mountain, Mich. Filed Jan. 26, 1946.

Siporter

FOR TRAVELING CRANE APPARATUS OF BOTH THE TROLLEY AND GANTRY TYPES FOR INSTALLATION ABOARD SHIPS, FOR THE LOADING AND UNLOADING OF CARGO, AND PARTS OF SUCH APPARATUS.

Claims use since Dec. 21, 1945.

Ser. No. 496,592. ACROMATIC TOOL COMPANY, Detroit, Mich. Filed Feb. 15, 1946.

Acromatic

FOR HIGH-SPEED TOOLS—NAMELY, REAMERS, DRILLS, COUNTERBORES, MILLS, AND CUTTERS.

Claims use since Mar. 15, 1943.

Ser. No. 497,832. AIRCRAFT MECHANICS INC., Colorado Springs, Colo. Filed Mar. 8, 1946.



Suburban Jones

The human figure is fanciful. The surname "Jones" is disclaimed apart from the mark.

FOR GARDEN TRACTORS AND CULTIVATORS.

Claims use since Nov. 16, 1945.

Ser. No. 498,019. MOBILSTATIC BALANCER COMPANY, Cheyenne, Wyo. Filed Mar. 11, 1946.

MOBILSTATIC TIRE & TUBE BALANCER

The words "Tire & Tube Balancer" are disclaimed apart from the mark.

FOR ADJUSTABLE MACHINE FOR MANUALLY BALANCING TIRES BY THE APPLICATION OF RUBBER FABRIC STOCK.

Claims use since January 1940.

Ser. No. 498,324. TEKNISKA AKTIEBOLAGET FLORA, Gavle, Sweden. Filed Mar. 15, 1946.

FLORODOL

FOR SAFETY RAZORS AND SAFETY RAZOR BLADES.

Claims use since October 1943.

Ser. No. 499,451. WARD MACHINE COMPANY, INC., Brockton, Mass. Filed Apr. 1, 1946.

VESTPOK

FOR SAFETY RAZORS, PARTS THEREOF, AND RAZOR BLADES.

Claims use since Apr. 5, 1940.

Ser. No. 499,799. PIPE LINE SERVICE CORPORATION, Franklin Park, Ill. Filed Apr. 6, 1946.

TRAVELINER

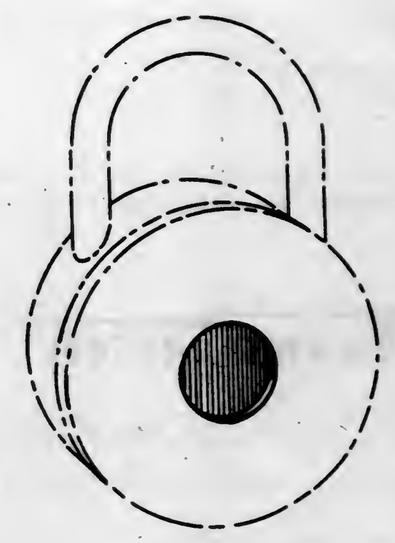
FOR TRAVELLING PIPE COATING AND WRAPPING MACHINES.

Claims use since Aug. 15, 1941.

CLASS 25

LOCKS AND SAFES

Ser. No. 496,504. THE C. L. GOUGLER KEYLESS LOCK COMPANY, Kent, Ohio, assignor to The C. L. Gougler Machine Company, Kent, Ohio, a corporation of Ohio. Filed Feb. 13, 1946.



Applicant makes no claim to the outline of the padlock apart from the mark. The drawing is lined for red.

FOR LOCKS.

Claims use since 1929.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 486,021. WM. AINSWORTH & SONS, INC., Denver, Colo. Filed July 20, 1945. Under 10-year proviso.

AINSWORTH

FOR BEAM BALANCES, PARTS AND ACCESSORIES OF SUCH BALANCES, BALANCE WEIGHTS AND POCKET TRANSITS.

Claims use since 1880 on beam balances and parts and accessories thereof; since 1884 on balance weights; and since 1894 on pocket transits.

Ser. No. 486,022. WM. AINSWORTH & SONS, INC., Denver, Colo. Filed July 20, 1945. Under 10-year proviso.

WM. AINSWORTH

FOR BEAM BALANCES, PARTS AND ACCESSORIES OF SUCH BALANCES, BALANCE WEIGHTS AND POCKET TRANSITS.

Claims use since 1880 on beam balances and parts and accessories thereof; since 1884 on balance weights; and since 1894 on pocket transits.

Ser. No. 488,690. FILM CRAFTS ENGINEERING COMPANY, New York, N. Y. Filed Sept. 19, 1945.

Ciné Pro

The use of the word "Ciné" is disclaimed apart from the mark.
FOR 16 MM. CAMERAS.
Claims use since June 1944.

Ser. No. 488,700. DAVID A. MARCUS, doing business as Electronic Specialty Co., Los Angeles, Calif. Filed Sept. 19, 1945.

TRANS-METER

No claim is made to the word "Meter" apart from the mark.
FOR TEST METER FOR CHECKING RADIO TRANSMITTERS.
Claims use since Aug. 10, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 494,277. MONTRES DREFFA S. A., Geneva, Switzerland. Filed Jan. 4, 1946.



The representation of the watch dial and the word "Watch" is disclaimed apart from the mark.
FOR WATCH, CLOCK, AND CHRONOMETER MOVEMENTS, AND WATCHES OF ALL TYPES.
Claims use since 1925.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 493,304. WONDER-REST CORPORATION, Milwaukee, Wis. Filed Dec. 14, 1945.

RESTONIC

FOR MATTRESSES.
Claims use since Nov. 27, 1945.

Ser. No. 493,501. LONG BOY SLEEPING EQUIPMENT CO., Los Angeles, Calif. Filed Dec. 18, 1945.

LONG BOY

The word "Long" is disclaimed apart from the mark.
FOR BED-RAIL EXTENSIONS, BOX MATTRESSES, AND BOX SPRINGS.
Claims use since Dec. 5, 1945.

Ser. No. 496,134. THE FEDERAL MACHINE AND WELDER COMPANY, Warren, Ohio. Filed Feb. 7, 1946.

MODERA

FOR FURNITURE—NAMELY, CHAIRS, DINETTE SETS, MANICURE TABLES, AND DRESSING TABLES.
Claims use since Jan. 19, 1946.

Ser. No. 501,541. SEALY, INCORPORATED, Chicago, Ill. Filed May 6, 1946. Under section 5b of the act of 1905 as amended in 1920.

Sealy

FOR MATTRESSES AND SOFA BEDS, STUDIO COUCHES, AND UPHOLSTERED CHAIRS.
Claims use since Jan. 1, 1889.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 495,954. THE CHAMPION STOVE COMPANY, Cleveland, Ohio. Filed Feb. 4, 1946.

CHASTO

FOR KITCHEN STOVES, RANGES, PORTABLE, SPACE AND WATER HEATERS CONSUMING KEROSENE, OIL, OR NATURAL OR ARTIFICIAL GAS FOR FUEL.
Claims use since Jan. 2, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 503,041. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed May 31, 1946.



FOR FRICTIONAL ELEMENTS FOR AUTOMOTIVE AND INDUSTRIAL BRAKES AND CLUTCHES.
Claims use since Apr. 26, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 498,980. CAPITAL RECORDS, INC., Los Angeles, Calif. Filed Mar. 26, 1946.

Capitol

FOR GROOVED PHONOGRAPH RECORDS.
Claims use since July 1942.

CLASS 37

PAPER AND STATIONERY

Ser. No. 484,674. EMBOSOGRAF CORPORATION OF AMERICA, New York, N. Y. Filed June 18, 1945.

EMBOSOGRAF

FOR EMBOSSING-PRESS SUPPLIES — NAMELY, GUMMED PAPER IN SHEET FORM, CARDBOARD, AND BLANK SET-UP CARDS ON WHICH EMBOSSING TYPE ARE SET UP FOR USE IN THE PRESS.
Claims use since Sept. 27, 1924.

Ser. No. 494,731. JOSEPH A. WEBER, doing business as Weber Addressing Machine Co., Chicago, Ill. Filed Jan. 12, 1946.

TAG-O-GRAPH

No claim is made to the word "tag" apart from the mark.
FOR ADDRESSING, LABELLING, AND MARKING DEVICE, CONSISTING OF A STENCIL AFFIXED TO AN INKED HAND STAMP AND OF A STENCIL TO BE USED FLAT WITH INKED ROLLER, SOLD AS A UNIT.
Claims use since February 1938.

Ser. No. 496,551. EVERSHARP, INC., Chicago, Ill. Filed Feb. 14, 1946.

"Legion of Merit"

The word "Merit" is disclaimed apart from the mark.
FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Dec. 20, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 490,088. SOCIÉTÉ DE PUBLICITÉ ET D'EDITIONS "LA QUALITE FRANCAISE" (S. A. R. L.), Paris, France. Filed Oct. 17, 1945.



LA QUALITE FRANCAISE

No claim is made to the words "La Qualite Francaise" apart from the mark.
FOR MONTHLY PUBLICATION DEVOTED TO PROMOTING THE COMMERCE OF FRANCE.
Claims use since May 31, 1944.

Ser. No. 490,885. ROBERT HETHERINGTON & SON, INC., Wilmington, Del. Filed Nov. 1, 1945.

The A Cey-D Cey

FOR ELECTRICAL PRODUCT BOOKLET ISSUED PERIODICALLY.
Claims use since May 15, 1945.

Ser. No. 494,378. WEINTRAUB BROTHERS & CO., Philadelphia, Pa. Filed Jan. 5, 1946.

Salute

FOR PERIODICAL OF THE HOUSE ORGAN TYPE.
Claims use since June 12, 1945.

Ser. No. 495,536. BOURKE, HOLLAND & MILLER, INC., New York, N. Y. Filed Jan. 28, 1946.



The words "In Envelopes" and "Bourke, Holland & Miller, Inc., N. Y." are disclaimed apart from the mark.
FOR PRINTED ADVERTISING MATERIAL IN PICTURES OR WORD FORM SOLD AS SUCH IN TRADE.
Claims use since July 15, 1945.

Ser. No. 495,792. THEODORE I. COHEN, Kansas City, Mo. Filed Feb. 1, 1946.



FOR BOOKS, MAGAZINES, AND PERIODICALS.
Claims use since July 1, 1944.

Ser. No. 497,118. NOVELART MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 23, 1946.

CHUMI-CARD

The word "Card" is disclaimed apart from the mark.
FOR GREETING CARDS.
Claims use since Feb. 1, 1946.

Ser. No. 497,464. GEORGE H. DAVIS, doing business as George H. Davis Company, Minneapolis, Minn. Filed Mar. 1, 1946.

CORNY LONGHAIR

FOR GREETING CARDS.
Claims use since Jan. 1, 1946.

Ser. No. 497,465. GEORGE H. DAVIS, doing business as George H. Davis Company, Minneapolis, Minn. Filed Mar. 1, 1946.

HERLOCK SHOLMES

FOR GREETING CARDS.
Claims use since Jan. 1, 1946.

Ser. No. 499,844. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Apr. 8, 1946.

THE INTERNATIONAL OUTLOOK

FOR SECTIONS OF MAGAZINES ISSUED WEEKLY.
Claims use since Aug. 18, 1945.

Ser. No. 499,872. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Apr. 8, 1946.

Worldgraph

FOR SECTION OF PERIODICAL PUBLICATIONS.
Claims use since Mar. 28, 1946.

CLASS 39
CLOTHING

Ser. No. 468,004. JOHANSEN BROS. SHOE CO., INC., St. Louis, Mo., and New York, N. Y. Filed Mar. 6, 1944. Under 10-year proviso as to "Johansen."

Johansen
FASHION FORECASTS
SAINT LOUIS - NEW YORK

Applicant disclaims the right to the exclusive use of the wording "Fashion Forecasts," "Saint Louis" and "New York," and also the sketch of a human foot garbed in a shoe except in the relation and association shown.
FOR SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER OR FABRIC.
Claims use since Jan. 25, 1944; and since 1875 as to "Johansen."

Ser. No. 479,750. MEYER MARGOLIN, doing business as Resilient Insole Company, Elgin, Ill. Filed Feb. 13, 1945.

AIR TROTTERS

FOR SHOES COMPRISING LEATHER OR FABRIC OR COMBINATIONS OF THE SAME.
Claims use since Sept. 1, 1944.

Ser. No. 489,837. WALDMAN AND STEIN, Hammonton, N. J. Filed Oct. 11, 1945.

ROCK-RIB

The word "Rib" is disclaimed apart from the mark.
FOR TROUSERS.
Claims use since Feb. 15, 1945.

Ser. No. 490,678. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Oct. 29, 1945. Under section 5b of the act of 1905 as amended in 1920.

Manhattan

FOR SLIPPERS MADE IN WHOLE OR IN PART OF LEATHER.
Claims use since Apr. 23, 1945.

Ser. No. 491,407. GAY JR. DRESSES, INC., New York, N. Y. Filed Nov. 10, 1945.



The figure is a fanciful picture.
FOR DRESSES.
Claims use since Dec. 30, 1944.

Ser. No. 492,411. MAJESTIC KNITTING MILLS, New York, N. Y., assignor to Majestic Knitting Mills, Incorporated, New York, N. Y. Filed Nov. 28, 1945.

Barony
Barry-KNITWEAR-Roni
MAJESTIC KNITTING MILLS

The drawing is lined for shading purposes only: The surname "Barry," and the surname "Roni," which are not displayed in a distinctive manner on the drawing, and the descriptive terms "Knitwear," and "Knitting Mills," all of which appear on the lower portion of the drawing, are hereby disclaimed apart from the mark as shown on the drawing.
FOR CHILDREN'S SWEATERS.
Claims use since Oct. 31, 1945.

Ser. No. 492,787. POUGHKEEPSIE LEATHER COAT COMPANY, INC., Poughkeepsie, N. Y. Filed Dec. 6, 1945.



The drawing is lined for the color blue. No claim is made to the word "Sno" nor to the words "Tailored by Poughkeepsie Leather Coat Co., Inc.," apart from the mark.
FOR CHILDREN'S, YOUTHS', and JUNIOR MISSES' SNOW SUITS.
Claims use since Oct. 22, 1945.

Ser. No. 494,764. THE WEISS HAT CO., New York, N. Y. Filed Jan. 14, 1946.



FOR MEN'S HATS.
Claims use since Aug. 30, 1945.

Ser. No. 497,602. GO MANUFACTURING COMPANY, New York, N. Y. Filed Mar. 4, 1946.



The descriptive word "Product" is disclaimed apart from the mark.
FOR MEN'S UNDERWEAR AND SHIRTS.
Claims use since Dec. 5, 1945.

Ser. No. 498,501. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Mar. 19, 1946.

SUMARA

FOR OUTER SHIRTS, UNDERWEAR FOR MEN, WOMEN, BOYS, AND GIRLS, AND HANDKERCHIEFS.
Claims use since June 15, 1945, on outer shirts; and since July 13, 1945, on underwear and handkerchiefs.

Ser. No. 499,342. MOERS MILLS INC., Nashville, Tenn. Filed Mar. 30, 1946.

MOER-STEPS

FOR ANKLETS OR BOBBY SOCKS AND MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY.
Claims use since Mar. 1, 1946.

Ser. No. 500,527. ERNEST A. DE ROSE, New York, N. Y. Filed Apr. 19, 1946.

BASA

FOR MEN'S AND WOMEN'S SLACKS OR TROUSERS, SHORTS, SWIMMING TRUNKS, AND SKIRTS.
Claims use since Dec. 1, 1945.

Ser. No. 500,906. SIGNET HOSIERY COMPANY, Cambridge, Mass. Filed Apr. 25, 1946.

SIGNET

FOR HOSIERY, WOMEN'S AND CHILDREN'S DRESSES, WOMEN'S VESTS, STEP-INS, BLOOMERS, CHEMISES, PANTIES, SLIPS, NIGHTGOWNS, AND PAJAMAS.
Claims use since Apr. 15, 1915, on hosiery; since Sept. 27, 1935, on women's and children's dresses, and since June 7, 1926, on lingerie of the character specified.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 498,929. RAND RUBBER COMPANY, Brooklyn, N. Y. Filed Mar. 11, 1946.

Joy

FOR DRESS SHIELDS.
Claims use since Mar. 1, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 483,791. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Filed May 25, 1945.

SPARKRAY

FOR PIECE GOODS OF COTTON, RAYON, WOOL, OR MIXTURES THEREOF.
Claims use since Apr. 24, 1945.

Ser. No. 488,701. MIDLAND FABRICS COMPANY, New York, N. Y., assignor to Midland Fabrics Corporation, New York, N. Y., a corporation of New York. Filed Sept. 19, 1945.

TAPRON

FOR PIECE GOODS FABRICATED FROM RAYON, SILK, COTTON, WOOL, AND FLAX FABRICS; FIBERS MADE OF PLASTICS—NAMELY, NYLON; AND MIXTURES THEREOF; USED FOR DECORATIVE, DRAPERY, AND UPHOLSTERY PURPOSES.
Claims use since Aug. 24, 1945.

Ser. No. 494,591. RUPERT H. AUSTIN, doing business as Aubry Fabrics Co., New York, N. Y. Filed Jan. 11, 1946.

AUBRY

FOR TEXTILE FABRICS IN THE PIECE, YARD OR BOLT MADE OF WOOL, WORSTED, COTTON, RAYON, SILK, LINEN, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Apr. 1, 1944.

Ser. No. 494,596. DELAWARE RIBBON MANUFACTURERS, INC., Philadelphia, Pa. Filed Jan. 11, 1946.

G-Barrel-O'Ribbon

Applicant disclaims the word "Ribbon" apart from the mark.
FOR RIBBON SOLD BY THE BOLT.
Claims use since Dec. 5, 1945.

Ser. No. 495,854. TRIO NOVELTY COMPANY, New York, N. Y. Filed Oct. 19, 1945.

RUCHTEX

FOR RUCHINGS MADE OF RAYON AND COTTON FABRICS.
Claims use since 1937.

Ser. No. 496,311. HEGO FABRICS, INC., New York, N. Y. Filed Feb. 9, 1946.

GALETOGS

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Feb. 19, 1945.

Ser. No. 497,040. PONDEL FABRICS, INC., Pawtucket, R. I. Filed Feb. 21, 1946.

PON-O-DEE

FOR FABRICS IN THE PIECE MADE OF RAYON.
Claims use since Nov. 14, 1945.

Ser. No. 497,047. SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Feb. 21, 1946.

SAYL-A-SET

FOR PIECE GOODS OF COTTON, LINEN, SILK, RAYON, WOOL, AND MIXTURES THEREOF.
Claims use since Dec. 27, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 484,680. JOHN A. FREEL, doing business as Michigan Specialty and Manufacturing Co., Bay City, Mich. Filed June 18, 1945.

Mispamaco

FOR FRENUM GUIDES, CIRCUMCISION CLAMPS, SURGICAL SCISSORS, TONSILOTOMES, AND SPECULUMS.
Claims use since Apr. 4, 1945.

Ser. No. 501,289. SOUTHERN CALIFORNIA PLASTIC COMPANY, Eagle Rock, Calif. Filed May 1, 1946.

Beauticator

FOR PLASTIC APPLICATORS FOR APPLYING COLD CREAMS, DEODORANTS, AND DEPILATORIES.
Claims use since Apr. 6, 1946.

Ser. No. 502,617. C. J. BATES & SON, Chester, Conn. Filed May 23, 1946.

Micro Ground

Applicant disclaims any exclusive right to the word "Ground" apart from the mark.
FOR MANICURE IMPLEMENTS—NAMELY, NAIL BRUSHES, NAIL BUFFERS, NAIL FILES, NAIL CLIPPERS, CUTICLE KNIVES, MANICURE SCISSORS, MANICURE STICKS, TWEEZERS, EMERY BOARDS, PUMICE BOARDS, NAIL POLISHERS, AND MANICURE SHEARS.
Claims use since Apr. 1, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 469,448. ARTHUR STERN, New York, N. Y. Filed Apr. 18, 1944.

BREADWEDGE

FOR SANDWICHES.
Claims use since Nov. 5, 1943.

Ser. No. 489,243. WHEATLEY MAYONNAISE CO., INC., Louisville, Ky. Filed Oct. 1, 1945.



The picture associated with the mark is fanciful.
FOR MAYONNAISE, SANDWICH SPREAD COMPOSED OF PICKLE AND DRESSING, HOME STYLE DILL PICKLES, THOUSAND ISLAND DRESSING, MINCEMEAT, FRENCH DRESSING, CHILI SAUCE, CUCUMBER WAFERS, SALAD DRESSING, POTATO SALAD, BARBECUE SAUCE, RUSSIAN TYPE FRENCH DRESSING, PRUNE JUICE AND MACARONI SALAD.
Claims use on mayonnaise, since Dec. 20, 1930; on sandwich spread, since Dec. 20, 1930; on home style dill pickles, since Jan. 10, 1931; on Thousand Island dressing, since June 11, 1931; on mincemeat, since Nov. 3, 1931; on French dressing, since June 23, 1932; on chili sauce, since Sept. 27, 1932; on cucumber wafers, since Aug. 16, 1933; on salad dressing, since Apr. 19, 1933; on potato salad, since June 9, 1938; on barbecue sauce, since Nov. 29, 1939; on Russian type French dressing, since July 16, 1942; on prune juice, since Apr. 20, 1943; on macaroni salad, since Nov. 19, 1944.

Ser. No. 497,754. THE THEOBALD INDUSTRIES, Kearny, N. J. Filed Mar. 6, 1946.

ROYAL BENGAL



FOR CAT FOOD.
Claims use since Jan. 2, 1946.

Ser. No. 498,155. MARLO PACKING CORPORATION, San Francisco, Calif. Filed Mar. 13, 1946.

MARLO

FOR CANNED PORK AND BEANS.
Claims use since May 15, 1935.

Ser. No. 499,365. WYETH INCORPORATED, Philadelphia, Pa. Filed Mar. 30, 1946.

PAPECA

FOR DRY POWDERED PAPAYA.
Claims use since Mar. 14, 1946.

Ser. No. 499,498. CHARLES A. KRAMER, doing business as Southern California Fruit Products Co., Los Angeles, Calif. Filed Apr. 2, 1946.

"SO-CAL"

Applicant is the owner of Reg. No. 412,794, dated Mar. 27, 1945. No claim is made to the abbreviation "Cal" apart from the mark.
FOR LEMON JUICE FOR FOOD PURPOSES.
Claims use since Feb. 18, 1946.

Ser. No. 499,512. LUDOLF G. SCHROEDER, doing business as Zatso Products Company, Pine Plains, N. Y. Filed Apr. 2, 1946.

Zatso

FOR FRUIT-CEREAL BEVERAGE OR IMITATION COFFEE.
Claims use since Jan. 11, 1924.

Ser. No. 499,514. P. A. SCURICH & SONS, Watsonville, Calif. Filed Apr. 2, 1946.

DOUBLE FEATURE



FOR FRESH APPLES.
Claims use since Feb. 11, 1946.

CLASS 47
WINES

Ser. No. 495,857. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn, N. Y. Filed Feb. 2, 1946.

PRIDE of PORTUGAL

No claim is made to the words "Of Portugal" apart from the mark.
FOR PORT WINE PRODUCED IN PORTUGAL.
Claims use since May 9, 1945.

Ser. No. 496,119. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn, N. Y. Filed Feb. 7, 1946.

PRIDE of SPAIN

No claim is made to the words "Of Spain" apart from the mark.
FOR SHERRY WINE PRODUCED IN SPAIN.
Claims use since Dec. 4, 1944.

Ser. No. 499,904. KOBRAND CORPORATION, New York, N. Y. Filed Apr. 9, 1946.

Bench and Bar

FOR WINES.
Claims use since Jan. 15, 1946.

CLASS 49
DISTILLED ALCOHOLIC LIQUORS

Ser. No. 493,673. FOSTER & COMPANY, New York, N. Y. Filed Dec. 21, 1945.



The drawing is lined to indicate the color red.
FOR WHISKEY.
Claims use since June 19, 1945.

Ser. No. 494,769. J. O. GARCIA ARCELAY, doing business as Licoreria Garcia, Mayaguez, Puerto Rico. Filed Jan. 15, 1946.

ESCUDO

FOR RUM.
Claims use since November 1945.

Ser. No. 499,046. CHURCHILL LIMITED, Baltimore, Md. Filed Mar. 27, 1946.

Old Discovery

No claim is made to the word "Old" apart from the mark.
FOR STRAIGHT BOURBON WHISKEY, STRAIGHT RYE WHISKEY, AND BLENDED WHISKEY.
Claims use since Oct. 27, 1943.

CLASS 50
MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 486,936. BIGELOW-SANFORD CARPET CO., INC., Thompsonville, Conn. Filed Aug. 9, 1945.

BISANCO

FOR SHEET MATERIAL COMPRISED OF TEXTILE FABRIC COMBINED WITH PLASTIC COMPOSITION AND DESIGNED FOR MAKING SHOE SOLES.
Claims use since June 28, 1945.

Ser. No. 487,292. SYRACUSE ORNAMENTAL CO., Syracuse, N. Y. Filed Aug. 18, 1945.

Syroco

Applicant is the owner of Reg. No. 83,911.
FOR RELIGIOUS AND GIFT STATUES, STATUETTES, ARTIFICIAL FLOWERS, WALL PLAQUES, FIGURINES FOR CHURCH AND HOME DECORATION, ALL MADE OF PLASTIC MATERIAL; SMALL PLASTIC ALTARS, SMALL PLASTIC SHRINES FOR ORNAMENTAL PURPOSES, AND COMBINATION DOG SETS CONSISTING OF DOG BRUSH, LEASH AND HOLDER.
Claims use since May 1, 1911.

Ser. No. 490,782. R. B. BARRY AND COMPANY, San Francisco, Calif. Filed Oct. 31, 1945.

"WARMENTO"

FOR WAR RECORD PLAQUES OF CARDBOARD.
Claims use since Sept. 10, 1945.

Ser. No. 497,346. STANDARD CAP AND SEAL CORPORATION, Chicago, Ill. Filed Feb. 27, 1946.

STAN Seal

Applicant is the owner of Reg. No. 315,101. Applicant disclaims the word "Seal."
FOR BOTTLE CLOSURES.
Claims use since Feb. 2, 1946.

Ser. No. 497,757. THE WAGNER AWNING & MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 6, 1946. Under 10-year proviso.

WAGNER

FOR AWNINGS, TENTS, CANOPIES, AWNING AND TENT FITTINGS AND FIXTURES.
Claims use since July 1, 1866.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 1, 1946

424,276. WOMEN'S COATS, DRESSES, AND SUITS, AND MISSES' AND JUNIOR DRESSES, COATS, AND SUITS. LORD'S, Evanston, Ill.
Filed October 1, 1941. Serial No. 447,464. PUBLISHED JUNE 12, 1945. Class 39.

424,277. WOMEN'S NEGLIGEES, PAJAMAS, HATS, CORSETS, RIDING BOOTS OF LEATHER AND FABRICS, BREECHES, JODHPURS, AND BEACH ROBES. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Co., Syracuse, N. Y., and Quackenbush Company, Paterson, N. J.
Filed June 11, 1943. Serial No. 461,296. PUBLISHED JULY 9, 1946. Class 39.

424,278. MECHANICAL PENCILS AND FOUNTAIN PENS. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J.
Filed November 20, 1943. Serial No. 465,174. PUBLISHED FEBRUARY 22, 1944. Class 37.

424,279. MICROSCOPE AND CAMERA. E. LEITZ, INC., New York, N. Y.
Filed March 20, 1944. Serial No. 468,455. PUBLISHED JULY 9, 1946. Class 26.

424,280. MEN'S, BOYS', AND JUVENILE SPORTSWEAR—NAMELY, SLACK SUITS, SEPARATE SLACKS, SEPARATE SHIRTS, AND SHORTS. THE MAXWELL COMPANY, Atlanta, Ga.
Filed September 28, 1944. Serial No. 474,700. PUBLISHED JULY 16, 1946. Class 39.

424,281. FELT HAT BODIES. THE RICHBAR HATS, INC., New York, N. Y.
Filed November 20, 1944. Serial No. 476,699. PUBLISHED JUNE 19, 1945. Class 39.

424,282. ANIMAL AND POULTRY FEEDS—NAMELY, FEED FOR CATTLE, HORSES, SHEEP, HOGS, CHICKENS, DUCKS, TURKEYS, RABBITS, DOGS, CATS, FOX, AND MINKS. KELLOGG COMPANY, Battle Creek, Mich.
Filed December 8, 1944. Serial No. 477,332. PUBLISHED JULY 9, 1946. Class 46.

424,283. GELATIN DESSERT. GENERAL DESSERTS CORPORATION, New York, N. Y.
Filed December 16, 1944. Serial No. 477,650. PUBLISHED JULY 2, 1946. Class 46.

424,284. LADIES', MISSES' AND CHILDREN'S PAJAMAS. LAURALU CO., New York. N. Y., assignor to Laura-Lu Company, Inc., New York, N. Y., a corporation of New York.
Filed December 21, 1944. Serial No. 477,806. PUBLISHED MARCH 20, 1945. Class 39.

424,285. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed January 1, 1945. Serial No. 478,138. PUBLISHED JULY 16, 1946. Class 1.

424,286. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed January 1, 1945. Serial No. 478,139. PUBLISHED JULY 16, 1946. Class 1.

424,287. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed January 1, 1945. Serial No. 478,140. PUBLISHED JULY 16, 1946. Class 1.

424,288. WIRE CLOTH, WELDED WIRE FABRIC, AND HEAVY SPRING STEEL TYPE OF SCREEN AS EMPLOYED FOR ABRASIVE SEGREGATION, THE LATTER BEING EITHER IN ROLLED FORM OR OTHERWISE NOT MADE UP. PACIFIC WIRE WORKS, INC., Seattle, Wash., assignor to Pacific Wire Works Co., Seattle, Wash.
Filed January 1, 1945. Serial No. 478,144. PUBLISHED MAY 29, 1945. Class 13.

424,289. PAINT AND VARNISH REMOVER. THE SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind.
Filed January 11, 1945. Serial No. 478,522. PUBLISHED JULY 16, 1946. Class 16.

424,290. NON-SAPONACEOUS CLEANING PREPARATION HAVING ALSO DEODORIZING AND DISINFECTING QUALITIES. OAKITE PRODUCTS, INC., New York, N. Y.
Filed January 19, 1945. Serial No. 478,789. PUBLISHED JUNE 19, 1945. Class 4.

424,291. DRESSES FOR THE USE OF WOMEN, MISSES, AND GIRLS. JAMES CRAIG—CALIFORNIA, Los Angeles, Calif.
Filed February 5, 1945. Serial No. 479,423. PUBLISHED JULY 9, 1946. Class 39.

424,292. PHOTOGRAPHIC EQUIPMENT — NAMELY, SUN-SHADES, EXTENSION TUBES, TRIPODS, FILTER HOLDERS, AND REFLECTOR STANDS. LOUIS M. KERN, New York, N. Y., assignor to Tikern Corporation, New York, N. Y., a corporation of New York.
Filed February 5, 1945. Serial No. 479,435. PUBLISHED JULY 9, 1946. Class 26.

424,293. BARBECUE SAUCE, TOMATO CATSUP, TOMATO SAUCE, MARASCHINO CHERRIES, CHOW CHOW, OYSTER COCKTAIL SAUCE, FLAVORS FOR FOODS, ETC. WILTZ W. WAGNER, doing business as Chas. P. Wagner & Bro., New Orleans, La.
Filed March 2, 1945. Serial No. 480,430. PUBLISHED JULY 9, 1946. Class 46.

424,294. LADIES' AND MISSES' BLOUSES. INDUSTRIAL UNDERGARMENT CORPORATION, Poughkeepsie and New York, N. Y., now by change of name to Stardust Incorporated.
Filed March 3, 1945. Serial No. 480,457. PUBLISHED JUNE 12, 1945. Class 39.

424,295. MEN'S AND BOYS' SPORT SHIRTS, SPORT JACKETS, KNITTED OUTER SHIRTS, SWEATERS, RAINCOATS, RAIN JACKETS, HATS, CAPS, NECKTIES, CRAVATS, SCARFS, GARMENT BELTS; AND WOMEN'S AND GIRLS' SPORT JACKETS, RAINCOATS, AND RAIN JACKETS. SPORT PRODUCTS, INC., Cincinnati, Ohio.
Filed March 5, 1945. Serial No. 480,532. PUBLISHED DECEMBER 11, 1945. Class 39.

424,296. WRITING INK. THE PARKER PEN COMPANY, Janesville, Wis.
Filed March 9, 1945. Serial No. 480,714. PUBLISHED FEBRUARY 12, 1946. Class 11.

424,297. MISSES' DRESSES. SHIBLEY & FINER, INC., Boston, Mass.
Filed March 12, 1945. Serial No. 480,840. PUBLISHED JUNE 18, 1946. Class 39.

424,298. BOOTS AND SHOES OF LEATHER, FABRIC AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed March 21, 1945. Serial No. 481,145. PUBLISHED JULY 31, 1945. Class 39.

424,299. INFANTS' KNITTED WEAR. RUTH COUFFER ADAM, doing business as Personality Products, Kansas City, Mo.
Filed March 31, 1945. Serial No. 481,565. PUBLISHED JULY 2, 1946. Class 39.

424,300. CANNED PEAS AND CANNED CORN. RICH-LAND CANNING CORPORATION, Friesland, Wis.
Filed April 6, 1945. Serial No. 481,804. PUBLISHED JULY 2, 1946. Class 46.

424,301. CHEESE. PURITY CHEESE COMPANY, Mayville, Wis.
Filed April 21, 1945. Serial No. 482,440. PUBLISHED JULY 9, 1946. Class 46.

424,302. SALTED PEANUTS. JOHN E. HAYNES, doing business as Arkansas Peanut Company, Hot Springs, Ark.
Filed April 26, 1945. Serial No. 482,625. PUBLISHED JULY 2, 1946. Class 46.

424,303. SETS OF BLANK FORMS FOR RECORD SHEETS INTERLEAVED WITH CARBON PAPER ALL FASTENED TOGETHER AT ONE OR MORE MARGINS. CULLOM & GHERTNER COMPANY, Nashville, Tenn.
Filed May 3, 1945. Serial No. 482,923. PUBLISHED JULY 16, 1946. Class 37.

424,304. HOSIERY. REGAL SHOE COMPANY, Whitman, Mass.
Filed May 5, 1945. Serial No. 483,033. PUBLISHED AUGUST 28, 1945. Class 39.

424,305. FUR COATS. MUTATION MINK BREEDERS ASSOCIATION, Elkhorn, Wis.
Filed May 16, 1945. Serial No. 483,436. PUBLISHED JUNE 25, 1946. Class 39.

424,306. FUSED ALUMINA ABRASIVES SOLD IN GRANULAR FORM IN BULK OR PLASTIC FORM AND IS USED FOR APPLICATION TO FLOORS AND OTHER SURFACES TO PREVENT SLIPPAGE. GENERAL ABRASIVE COMPANY, INC., Niagara Falls, N. Y.
Filed May 17, 1945. Serial No. 483,474. PUBLISHED JULY 16, 1946. Class 4.

424,307. FUSED ALUMINA ABRASIVES IN GRANULAR FORM IN BULK AND FUSED ALUMINA AND SILICON CARBIDE FOR SANDBLASTING OR FOR VALVE GRINDING COMPOUND. GENERAL ABRASIVE COMPANY, INC., Niagara Falls, N. Y.
Filed May 17, 1945. Serial No. 483,475. PUBLISHED JULY 16, 1946. Class 4.

424,308. FUSED ALUMINA ABRASIVES IN GRANULAR FORM IN BULK USED FOR GRAINING PRINTING PLATES. GENERAL ABRASIVE COMPANY, INC., Niagara Falls, N. Y.
Filed May 17, 1945. Serial No. 483,476. PUBLISHED JULY 16, 1946. Class 4.

424,309. POWDER CLEANING COMPOUND FOR CLEANING COMBS AND BRUSHES. ZEIDMAN AND LIEBERSTEIN, Brooklyn, N. Y.
Filed May 23, 1945. Serial No. 483,710. PUBLISHED JULY 2, 1946. Class 4.

424,310. FIELD TESTING SETS FOR TESTING THE FOLLOWING ELECTRICAL DEVICES: ELECTRONIC AND ELECTRICAL TURBOSUPERCHARGER REGULATORS AND AUTOMATIC ENGINE CONTROLS; AND FOR OXYGEN FLOW INDICATOR GAUGES AND COMBINATIONS THEREOF. REX COLE, INC., Long Island City, N. Y.
Filed May 24, 1945. Serial No. 483,714. PUBLISHED JULY 2, 1946. Class 26.

424,311. CANDY. JOHN HORNE COMPANY, NOT INC., Chicago, Ill.
Filed June 8, 1945. Serial No. 484,298. PUBLISHED JUNE 25, 1946. Class 46.

424,312. EMOLLIENTS AND LOTIONS FOR USE, EITHER WITH BRUSHED LATHER OR WITH BRUSHLESS SHAVING CREAMS, AS BEARD SOFTENERS, OR BEFORE SHAVING WITH ELECTRIC RAZORS, BRUSHLESS SHAVING CREAMS, NO BRUSH SMOOTH SHAVE CREAMS, BOWLS CONTAINING SHAVING SOAP, AND SOAP. MAURICE HANDMAN, doing business as Maurella Products Co., New York, N. Y., assignor to Maurella Prodncts Company, Inc., New York, N. Y., a corporation of New York.
Filed June 14, 1945. Serial No. 484,528. PUBLISHED NOVEMBER 6, 1945. Class 4.

424,313. REGULARLY ISSUED SUNDAY NEWSPAPER. MINNEAPOLIS STAR JOURNAL AND TRIBUNE COMPANY, Minneapolis, Minn.
Filed June 21, 1945. Serial No. 484,851. PUBLISHED JULY 9, 1946. Class 38.

424,314. LADIES' AND MISSES' DRESSES. HYMAN H. STUTMAN, Brighton, Mass.
Filed June 28, 1945. Serial No. 485,179. PUBLISHED NOVEMBER 20, 1945. Class 39.

424,315. ALLOY STEEL AND CORROSION-RESISTING ALLOY STEEL IN THE FORM OF INGOTS, CASTINGS, AND FORGINGS, AND IN WROUGHT FORMS SUCH AS BILLETS, BARS, RODS, WIRE, AND THE LIKE. RUSTLESS IRON & STEEL CORPORATION, Baltimore, Md., assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio.
Filed July 11, 1945. Serial No. 485,699. PUBLISHED JULY 9, 1946. Class 14.

424,316. HAND CLEANER INTENDED FOR USE BY PAINTERS, PRINTERS, MECHANICS, FACTORY WORKERS, FARMERS AND GARAGE WORKERS FOR REMOVING PAINTS, PRINTING INKS, DYES, OILS, GREASES, GRAPHITES, RUBBER SOIL AND RUBBER COMPOUNDS. RAYMOND T. BRADLEY, doing business as Pawl-Rae Products Company, South Bend, Ind.
Filed July 23, 1945. Serial No. 486,138. PUBLISHED NOVEMBER 27, 1945. Class 4.

424,317. GENERAL PURPOSE SOLVENT HAVING A HYDROCARBON BASE FOR REMOVING OIL AND GREASE FROM METAL PARTS AND TOOLS. GRAY-MILLS CO., Evanston, Ill.
Filed July 25, 1945. Serial No. 486,249. PUBLISHED JULY 16, 1946. Class 4.

424,318. POTATOES IN THE NATURAL STATE. WESTERN PRODUCE CO., Torrington, Wyo.
Filed July 31, 1945. Serial No. 486,552. PUBLISHED JULY 9, 1946. Class 46.

424,319. FRESH ASPARAGUS, FRESH BROCCOLI, FRESH CABBAGE, FRESH CARROTS, FRESH LETTUCE, AND FRESH POTATOES. ELOY RANCHES, INC., Eloy, Ariz.
Filed August 1, 1945. Serial No. 486,570. PUBLISHED JULY 2, 1946. Class 46.

424,320. FRESH ASPARAGUS, FRESH BROCCOLI, FRESH CABBAGE, FRESH CARROTS, FRESH LETTUCE, AND FRESH POTATOES. ELOY RANCHES, INC., Eloy, Ariz.
Filed August 1, 1945. Serial No. 486,571. PUBLISHED JULY 2, 1946. Class 46.

424,321. TOILET SOAP. THE J. R. WATKINS COMPANY, Winona, Minn.
Filed August 6, 1945. Serial No. 486,836. PUBLISHED JUNE 18, 1946. Class 4.

424,322. LIGHT SENSITIVE PRINTING AND DEVELOPING MACHINES FOR THE PRINTING AND DEVELOPMENT OF DIAZOTYPE LIGHT SENSITIVE PHOTOCOPY MATERIALS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed August 14, 1945. Serial No. 487,125. PUBLISHED JUNE 25, 1946. Class 26.

424,323. LIGHT SENSITIVE DIAZOTYPE PAPERS, CLOTHS, FILMS, AND LIGHT SENSITIVE COPYING AND PHOTOGRAPHIC PAPERS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed August 14, 1945. Serial No. 487,127. PUBLISHED JUNE 25, 1946. Class 26.

424,324. LADIES' AND MISSES' HATS. ELIZABETH HAT COMPANY, New York, N. Y.
Filed August 17, 1945. Serial No. 487,181. PUBLISHED JULY 9, 1946. Class 39.

424,325. CHEMICAL CLEANING PREPARATION FOR REMOVING SYNTHETIC RUBBER MARKS FROM ALL TYPES OF FLOORING, SUCH AS HARDWOOD, PARQUET, LINOLEUM, TILE, ASPHALT, MARBLE, AND GRANITE; ALSO FOR REMOVING ALL TYPES OF WAX AND SCUFF MARKS FROM FLOORS. VICTORY SOAP & CHEMICAL CO., INC., New York, N. Y.
Filed August 17, 1945. Serial No. 487,230. PUBLISHED JULY 2, 1946. Class 4.

424,326. DEEP-FREEZE BOXES. NATIONAL TRADING COMPANY, INC., Hickory, N. C.
Filed August 25, 1945. Serial No. 487,564. PUBLISHED JULY 16, 1946. Class 31.

424,327. ELECTRIC REFRIGERATORS. NATIONAL TRADING COMPANY, INC., Hickory, N. C.
Filed August 25, 1945. Serial No. 487,566. PUBLISHED JULY 16, 1946. Class 31.

424,328. PRACTICE HAND GRENADES, WILLIAM J. ENGELKE, Fort Worth, Tex.
Filed August 27, 1945. Serial No. 487,608. PUBLISHED JULY 16, 1946. Class 9.

424,329. PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO—NAMELY, CAMERAS, CAMERA CASES, DEVELOPING TANKS, ETC. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed August 28, 1945. Serial No. 487,674. PUBLISHED JULY 2, 1946. Class 26.

424,330. PHOTOGRAPHIC ENLARGERS AND ACCESSORIES. DEJUR-AMSCO CORPORATION, Long Island City, N. Y.
Filed August 29, 1945. Serial No. 487,703. PUBLISHED JULY 9, 1946. Class 26.

424,331. FLOOR WAX. THE GELLIN CO., Cleveland, Ohio.
Filed August 31, 1945. Serial No. 487,836. PUBLISHED JULY 9, 1946. Class 16.

424,332. SILVER POLISH, SHAVING CREAM, CLEANSER FOR MACHINERY, BATHROOM AND KITCHEN FURNITURE AND FIXTURES, ETC. THE GRAND UNION COMPANY, New York, N. Y.
Filed September 4, 1945. Serial No. 487,939. PUBLISHED JUNE 18, 1946. Class 4.

424,333. MEN'S, BOYS', AND CHILDREN'S UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORTS COATS. ASSOCIATED KNITTED OUTERWEAR MILLS, INC., New York, N. Y.
Filed September 6, 1945. Serial No. 488,010. PUBLISHED JULY 9, 1946. Class 39.

424,334. PERIODICAL PUBLICATION, THE SUBJECT MATTER OF WHICH RELATES TO PHYSICAL CULTURE. JAMES L. CARESKEY, Seattle, Wash.
Filed September 18, 1945. Serial No. 488,638. PUBLISHED JULY 9, 1946. Class 38.

424,335. BRUSHLESS SHAVING CREAM, LATHERING SHAVING CREAM, SHAVING SOAP, AND HAND SOAP. "42" PRODUCTS, LTD., doing business as Windsor House, Ltd., Los Angeles, Calif.
Filed September 21, 1945. Serial No. 488,807. PUBLISHED JULY 16, 1946. Class 4.

424,336. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, TROUSERS, OVERCOATS, AND TOP COATS. COHEN, GOLDMAN & CO., INC., New York, N. Y.
Filed September 27, 1945. Serial No. 489,040. PUBLISHED JULY 2, 1946. Class 39.

424,337. PERIODICAL. AMERICAN INTERNATIONAL PUBLICATIONS, INC., New York, N. Y.
Filed October 3, 1945. Serial No. 489,308. PUBLISHED JULY 16, 1946. Class 38.

424,338. SEMI-FABRICATED SHEET METAL IN THE FORM OF DISHED OR BOWLED SPUN METAL PRODUCTS USEFUL IN THE MANUFACTURE OF REFLECTOR, DEFLECTOR, HOUSING, RECEPTACLE, OR CONTAINER UNITS. C. W. TORNGREN CO., Somerville, Mass.
Filed October 4, 1945. Serial No. 489,425. PUBLISHED JULY 16, 1946. Class 14.

424,339. SUDSING, SOAP-LIKE DETERGENTS IN SOLID (NON-LIQUID) FORM FOR HOUSEHOLD AND LAUNDRY PURPOSES. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed October 11, 1945. Serial No. 489,826. PUBLISHED JUNE 18, 1946. Class 4.

424,340. LIQUID PLASTIC SURFACING MATERIAL IN THE NATURE OF A LIQUID PLASTIC COATING FOR USE AS A PROTECTIVE COVERING AND AS A RESISTOR TO CORROSION WHICH MAY BE APPLIED BY BRUSHING OR SPRAYING. FEDERAL ELECTRIC COMPANY, INC. OF TEXAS, Chicago, Ill.
Filed October 13, 1945. Serial No. 489,906. PUBLISHED JULY 16, 1946. Class 16.

424,341. ASH RECEIVERS, HUMIDORS FOR CONSERVING CIGARS AND CIGARETTES, CIGAR AND CIGARETTE CASES, ETC. E. E. EDWARD, LTD., New York, N. Y.
Filed October 16, 1945. Serial No. 490,017. PUBLISHED JULY 16, 1946. Class 8.

424,342. ROLLED STEEL BARS AND ALL MERCHANT SHAPES—NAMELY, FLATS, ROUNDS, SQUARES, ANGLES, BANDS, ETC. THE POLLAK STEEL COMPANY, Cincinnati, Ohio.
Filed October 20, 1945. Serial No. 490,258. PUBLISHED JULY 9, 1946. Class 14.

424,343. READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, PASTE PAINT COLORS, THINNERS, AND REDUCING LIQUIDS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed October 20, 1945. Serial No. 490,264. PUBLISHED JULY 9, 1946. Class 16.

424,344. MEN'S AND BOYS' TOPCOATS AND OVERCOATS AND SUITS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed October 25, 1945. Serial No. 490,498. PUBLISHED JULY 9, 1946. Class 39.

424,345. PANTIES, SLIPS, AND POLO SHIRTS FOR LADIES AND CHILDREN. RHINE UNDERGARMENT COMPANY, New York, N. Y.
Filed October 26, 1945. Serial No. 490,546. PUBLISHED JULY 9, 1946. Class 39.

424,346. PASTE HAND CLEANER AND SOAP PRODUCTS FOR THE REMOVAL OF GREASE AND GRIME FROM HANDS, WALLS, PORCELAIN, WOODWORK, AND BATHROOM FIXTURES. HAL H. DUNNING, doing business as H. H. Dunning & Co., Denver, Colo.
Filed November 1, 1945. Serial No. 490,881. PUBLISHED JUNE 18, 1946. Class 4.

424,347. THERMOPLASTIC RESINS IN BULK FORM, AND IN EXTRUDED, SHEETED, POWDERED, AND MOLDED FORM. KENDALL REFINING COMPANY, Bradford, Pa.
Filed November 1, 1945. Serial No. 490,888. PUBLISHED JULY 16, 1946. Class 1.

424,348. SYNTHETIC RESINS FOR GENERAL USE IN THE INDUSTRIAL ARTS, INCLUDING MOLDING, CASTING, SURFACE COATING, AND IMPREGNATION. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed November 5, 1945. Serial No. 491,110. PUBLISHED JULY 9, 1946. Class 1.

424,349. ABRASIVE COMPOUNDS—NAMELY, GRINDING AND LAPPING COMPOUNDS, POLISHING AND FINISHING COMPOUNDS, ETC. THE CLOVER MANUFACTURING COMPANY, Norwalk, Conn.
Filed November 10, 1945. Serial No. 491,401. PUBLISHED JULY 9, 1946. Class 4.

424,350. LIQUID CONTAINING MAINLY METHYLENE CHLORIDE FOR REMOVING PAINTS AND LACQUERS FROM METALLIC AND WOODEN SURFACES. ALBERT WITTIG, New York, N. Y., assignor to American Sacol Company, Lynn, Mass.
Filed November 10, 1945. Serial No. 491,444. PUBLISHED JULY 9, 1946. Class 16.

424,351. GYMNASIUM FROCKS, SKIRTS, KILTS, AND COATS, ALL FOR CHILDREN. COLLINS (JUVENILES) LIMITED, Glasgow, Scotland.
Filed November 19, 1945. Serial No. 491,805. PUBLISHED JUNE 25, 1946. Class 39.

424,352. PERIODICAL ABOUT BABIES AND FOR EXPECTANT MOTHERS. BABY POST INCORPORATED, New York, N. Y.
Filed November 21, 1945. Serial No. 491,959. PUBLISHED JULY 16, 1946. Class 38.

424,353. COATS FOR OUTER WEAR FOR WOMEN AND GIRLS. ROTHSHIRE COATS, New York, N. Y.
Filed November 23, 1945. Serial No. 492,096. PUBLISHED JULY 16, 1946. Class 39.

424,354. CANDY. F. B. WASHBURN CANDY CORPORATION, Brockton, Mass.
Filed November 27, 1945. Serial No. 492,298. PUBLISHED JULY 9, 1946. Class 46.

424,355. WELDING RODS. J. M. RAGLE, doing business as J. M. Ragle Industries, Kansas City, Mo.
Filed November 30, 1945. Serial No. 492,460. PUBLISHED JULY 9, 1946. Class 14.

424,356. CHILDREN'S PLAY SUITS AND TROUSERS. ACE NOVELTY KLOTHES, INC., New York, N. Y.
Filed December 3, 1945. Serial No. 492,536. PUBLISHED JULY 16, 1946. Class 39.

424,357. LIQUID CLEANING FLUIDS AND GREASE REMOVERS. KNOX CHEMICAL COMPANY, Chicago, Ill.
Filed December 3, 1945. Serial No. 492,566. PUBLISHED JULY 16, 1946. Class 4.

424,358. CLEANSING POWDER. LABRATEST, INC., Long Island City, N. Y.
Filed December 4, 1945. Serial No. 492,631. PUBLISHED JULY 16, 1946. Class 4.

424,359. BOX AND SPECIALTY PAPERS. LACHMAN-NOVASEL PAPER CO., New York, N. Y.
Filed December 4, 1945. Serial No. 492,633. PUBLISHED JULY 16, 1946. Class 37.

424,360. PLASTIC MATERIALS IN SHEET AND OTHER FABRICATED FORMS. CELLUPLASTIC CORPORATION, Newark, N. J.
Filed December 5, 1945. Serial No. 492,683. PUBLISHED JULY 16, 1946. Class 1.

424,361. SOAP. H. LEE WOLFE COMPANY, Chicago, Ill.
Filed December 5, 1945. Serial No. 492,756. PUBLISHED JULY 16, 1946. Class 4.

424,362. COATING MATERIALS—NAMELY, LACQUERS, THINNERS, AND SYNTHETIC PAINT ENAMELS. SOUTHERN LACQUERS & COATINGS COMPANY, Miami, Fla.
Filed December 6, 1945. Serial No. 492,802. PUBLISHED JULY 9, 1946. Class 16.

424,363. METAL PAINT PRIMER. ANDREW BROWN COMPANY, Los Angeles, Calif.
Filed December 7, 1945. Serial No. 492,819. PUBLISHED JULY 16, 1946. Class 16.

424,364. REPRODUCTIONS OF ORIGINAL PAINTINGS. HALLADAY-THOMAS-PUBLISHERS, Union City, N. J.
Filed December 7, 1945. Serial No. 492,835. PUBLISHED JULY 16, 1946. Class 38.

424,365. HAIR NETS. MARCO BERGMANN CO., New York, N. Y.
Filed December 13, 1945. Serial No. 493,161. PUBLISHED JULY 9, 1946. Class 39.

424,366. SINE PLATES. ROBBINS ENGINEERING COMPANY, Highland Park, Mich.
Filed December 14, 1945. Serial No. 493,283. PUBLISHED JULY 2, 1946. Class 26.

424,367. SOAP FOR CLEANING AND SHAMPOOING RUGS AND UPHOLSTERY. BURKLIN PROCESS COMPANY, INC., Bethesda, Md.
Filed December 15, 1945. Serial No. 493,319. PUBLISHED JULY 9, 1946. Class 4.

424,368. WRITING PAPER AND LETTERHEADS FOR TYPEWRITTEN CORRESPONDENCE, ENVELOPES, AND BLOTTERS. HOOVEN LETTERS INCORPORATED, New York, N. Y.
Filed December 15, 1945. Serial No. 493,355. PUBLISHED JULY 16, 1946. Class 37.

424,369. MEN'S SPORT SHIRTS. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed December 15, 1945. Serial No. 493,400. PUBLISHED JUNE 25, 1946. Class 39.

424,370. WATER AERATORS FOR ATTACHMENT TO FAUCETS AND OTHER WATER OUTLETS. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed December 18, 1945. Serial No. 493,479. PUBLISHED JULY 16, 1946. Class 13.

424,371. WIRE CLOTH. HANOVER WIRE CLOTH COMPANY, Hanover, Pa.
Filed December 21, 1945. Serial No. 493,680. PUBLISHED JUNE 25, 1946. Class 13.

424,372. PERIODICAL PUBLICATION. FEDERAL POSTAL EMPLOYEES ASSOCIATION, Denver, Colo.
Filed December 29, 1945. Serial No. 494,047. PUBLISHED JULY 16, 1946. Class 38.

424,373. PIPES. LANE TOBACCO, LTD., New York, N. Y.
Filed December 29, 1945. Serial No. 494,081. PUBLISHED JULY 16, 1946. Class 8.

424,374. SHOWER BATH CURTAINS AND ACCESSORIES THEREFOR. SANI-MODE MFG. CO., Chicago, Ill., assignor to Sani-Mode Mfg. Co., Chicago, Ill., a corporation of Illinois.
Filed December 29, 1945. Serial No. 494,129. PUBLISHED JULY 9, 1946. Class 13.

424,375. MEN'S, BOYS' AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS AND TROUSERS, ETC. COHEN, GOLDMAN & Co. INC., New York, N. Y.
Filed January 7, 1946. Serial No. 494,392. PUBLISHED JULY 16, 1946. Class 39.

424,376. MARSHMALLOW CANDIES IN THE SHAPE OF CONES. JOHN ARBINO, doing business as Marshmallow Products, Cincinnati, Ohio.
Filed January 8, 1946. Serial No. 494,422. PUBLISHED JULY 9, 1946. Class 46.

424,377. CLEANSING COMPOSITIONS HAVING SURFACE ACTIVE AND WETTING PROPERTIES. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed January 10, 1946. Serial No. 494,554. PUBLISHED JULY 16, 1946. Class 4.

424,378. PRINTING INKS. E. J. KELLY COMPANY, Kalamazoo, Mich.
Filed January 11, 1946. Serial No. 494,612. PUBLISHED JULY 16, 1946. Class 11.

424,379. STANDS AND BRACKETS FOR SUPPORTING BAGS TO RECEIVE WASTE MATERIALS. TRAVIS O. SMITH, Kansas City, Mo.
Filed January 14, 1946. Serial No. 494,763. PUBLISHED JULY 16, 1946. Class 13.

424,380. HEAT, WEAR, CORROSION, AND EROSION RESISTANT METALLIC ALLOYS, AND WELDING RODS COMPOSED OF HEAT, WEAR, CORROSION AND EROSION RESISTANT METALLIC ALLOYS. EATON MANUFACTURING COMPANY, Cleveland, Ohio.
Filed January 16, 1946. Serial No. 494,825. PUBLISHED JULY 9, 1946. Class 14.

424,381. LIGHT-SENSITIZED LIGHT-TRANSMITTING BASE-SHEETS FOR PRODUCING POSITIVE TRANSPARENCIES OF DRAWINGS OR PRINTS FOR USE IN REPRODUCING MULTIPLE COPIES BY LIGHT-PRINTING PROCESSES ON LIGHT-SENSITIZED SHEETS. THE FREDERICK POST COMPANY, Chicago, Ill.
Filed January 19, 1946. Serial No. 495,024. PUBLISHED JULY 2, 1946. Class 26.

424,382. CANNED FISH AND CANNED VEGETABLES. H. B. KENNERLY & SON, Nanticoke, Md.
Filed January 22, 1946. Serial No. 495,173. PUBLISHED JULY 2, 1946. Class 46.

424,383. MEN'S AND WOMEN'S TOP COATS, RAIN COATS, RAIN CAPES, RAIN HATS AND HOODS, COATS, AND JACKETS. IRVING LUSK, INC., New York, N. Y.
Filed January 22, 1946. Serial No. 495,178. PUBLISHED JULY 9, 1946. Class 39.

424,384. DIETETIC SALT. COSMOS INTERNATIONAL CORPORATION, New York, N. Y.
Filed January 24, 1946. Serial No. 495,275. PUBLISHED JULY 2, 1946. Class 46.

424,385. INFANTS' AND CHILDREN'S UNDERWEAR. JULIUS KAYSER & Co., New York, N. Y.
Filed January 25, 1946. Serial No. 495,391. PUBLISHED JULY 16, 1946. Class 39.

424,386. FRESH SWEET POTATOES. RICHARD & SMITH, Sunset, La.
Filed January 25, 1946. Serial No. 495,407. PUBLISHED JULY 9, 1946. Class 46.

424,387. CHILDREN'S KNITTED SWEATERS AND JACKETS. INFANTA KNITTING MILLS, Philadelphia, Pa.
Filed January 26, 1946. Serial No. 495,477. PUBLISHED JULY 16, 1946. Class 39.

424,388. SENSITIZED PHOTOGRAPHIC PAPERS. THE AUTOTYPE COMPANY LIMITED, London, England.
Filed January 31, 1946. Serial No. 495,717. PUBLISHED JULY 9, 1946. Class 26.

424,389. MEN'S OUTER SHIRTS. SHIRTS, INC., New York, N. Y.
Filed January 31, 1946. Serial No. 495,766. PUBLISHED JULY 16, 1946. Class 39.

424,390. PHOTOGRAPHIC LENSES. WOLLENSAK OPTICAL COMPANY, Rochester, N. Y.
Filed February 1, 1946. Serial No. 495,851. PUBLISHED JULY 9, 1946. Class 26.

424,391. PHOTOGRAPHIC LENSES. WOLLENSAK OPTICAL COMPANY, Rochester, N. Y.
Filed February 1, 1946. Serial No. 495,852. PUBLISHED JULY 9, 1946. Class 26.

424,392. SILK SLEEPING GOWNS AND SLIPS. LEONORA SILK UNDERWEAR CO., New York, N. Y.
Filed February 2, 1946. Serial No. 495,894. PUBLISHED JULY 16, 1946. Class 39.

424,393. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed February 5, 1946. Serial No. 496,027. PUBLISHED JUNE 25, 1946. Class 39.

424,394. POLO SHIRTS AND SWEATERS. IRVING BERRY, New York, N. Y.
Filed February 6, 1946. Serial No. 496,067. PUBLISHED JULY 16, 1946. Class 39.

424,395. BATHROOM ACCESSORIES MADE OF PLASTIC FILM—NAMELY, SHOWER-BATH CURTAINS AND BATHROOM WINDOW CURTAINS. A. L. SIEGEL CO., INC., New York, N. Y.
Filed February 6, 1946. Serial No. 496,109. PUBLISHED JULY 16, 1946. Class 13.

424,396. MEN'S AND BOYS' SPORT AND DRESS SHIRTS, LUMBERJACKS, MACKINAWS, HUNTING COATS, FINGERTIP COATS, ETC. LUSTBERG, NAST & CO., INC., New York, N. Y.
Filed February 8, 1946. Serial No. 496,249. PUBLISHED JUNE 25, 1946. Class 39.

424,397. MINK COATS. MINTZ & SCHWAM, New York, N. Y.
Filed February 9, 1946. Serial No. 496,322. PUBLISHED JULY 16, 1946. Class 39.

424,398. WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, BLOUSES, OUTER SHIRTS, SLACKS, SLACK SUITS, ETC. ALICE FROCK CO., San Francisco, Calif.
Filed February 19, 1946. Serial No. 496,881. PUBLISHED JULY 9, 1946. Class 39.

424,399. MEN'S AND WOMEN'S SPORT JACKETS AND SHIRTS. SOLOMON BROS. CO., New York, N. Y.
Filed February 21, 1946. Serial No. 497,050. PUBLISHED JULY 16, 1946. Class 39.

424,400. LADIES' AND MISSES' DRESSES. DEVONSHIRE, INC., New York, N. Y.
Filed February 27, 1946. Serial No. 497,298. PUBLISHED JULY 9, 1946. Class 39.

424,401. LADIES' RAINCOATS. RAPID SPORTSWEAR CO., New York, N. Y.
Filed February 27, 1946. Serial No. 497,333. PUBLISHED JULY 9, 1946. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

424,402. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) WEBSTER-BRINKLEY CO., Seattle, Wash., assignor to Kirsten Pipe Company, Seattle, Wash., a corporation of Washington. Filed Aug. 21, 1944. Serial No. 473,491.

SOL-E-NAUD

The drawing is lined to indicate the color red.
FOR ELECTROMAGNETIC ACTUATORS.
Claims use since Feb. 1, 1944.

424,403. (CLASS 39. CLOTHING.) THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Sept. 1, 1944. Serial No. 473,819.



The picture of the boy shown is fanciful.
FOR SWEATERS.
Claims use since May 27, 1944.

424,404. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PETROLEUM PUBLISHING COMPANY, Tulsa, Okla. Filed Jan. 945. Serial No. 478,164.

OIL AND GAS EQUIPMENT Digest

The lining on the drawing indicates the color red.
FOR A SECTION IN A PERIODICAL PUBLICATION PRESENTING A REVIEW OF NEW EQUIPMENT AND TRADE LITERATURE.
Claims use since Dec. 7, 1944.

424,405. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) COLUMBIAN STEEL TANK COMPANY, Kansas City, Mo. Filed Feb. 26, 1945. Serial No. 480,224.

COLUMBIAN

FOR WELDED STEEL PIPE; WELDED STEEL CASINGS FOR WELLS AND THE LIKE; PORTABLE TRASH BURNERS, AND TANK FLOATS.
Claims use since June 1, 1941.

424,406. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) TITEFLEX, INC., Newark, N. J. Filed Feb. 28, 1945. Serial No. 480,355.

PUSHTITE

FOR SELF LOCKING CONDUIT CLAMPS.
Claims use since Feb. 20, 1945.

424,407. (CLASS 37. PAPER AND STATIONERY.) WINTHROP-ATKINS CO., INC., Middleboro, Mass. Filed Apr. 11, 1945. Serial No. 482,034.

NU-LETH-R

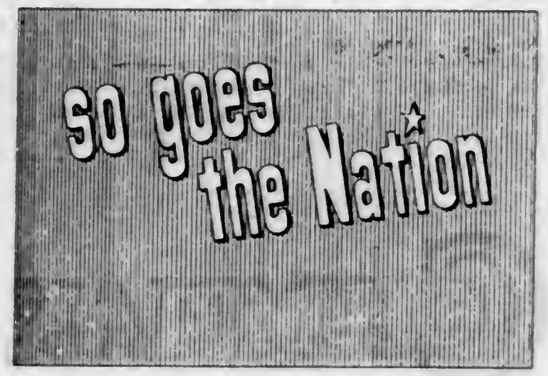
FOR ILLUSTRATED CALENDARS EQUIPPED WITH EASELS FOR DESK USE.
Claims use since 1938.

424,408. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL RETAIL FURNITURE ASSOCIATION, Chicago, Ill. Filed May 19, 1945. Serial No. 483,581.

modern stores

FOR AN ANNUAL MANUAL DESIGNED TO ASSIST RETAIL STORES IN STORE MODERNIZATION WORK.
Claims use since Feb. 1, 1944.

424,409. (CLASS 38. PRINTS AND PUBLICATIONS.) NEW YORK SUN, INC., New York, N. Y. Filed June 30, 1945. Serial No. 485,304.



The drawing is lined to indicate the color red.

FOR A PUBLICATION—TO WIT, A MONTHLY PUBLICATION ENTITLED "SO GOES THE NATION" AND CONTAINING A DIGEST OF INFORMATION AND OPINIONS RELATING TO BUSINESS AND ECONOMIC CONDITIONS IN THE UNITED STATES.

Claims use since Apr. 1, 1944.

424,410. (CLASS 39. CLOTHING.) H. PERRY & COMPANY LIMITED, Nottingham, England. Filed July 11, 1945. Serial No. 485,696.

NYLONGERIE

FOR WOMEN'S UNDERCLOTHING MADE WHOLLY OF NYLON.

Claims use since Jan. 21, 1944.

424,411. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BEN H. ADLER, doing business as Adler Manufacturing Co., Chicago, Ill. Filed July 13, 1945. Serial No. 485,743.



FOR BASE METAL COOKING UTENSILS—NAMELY, SAUCE PANS, FRYING PANS, ROASTERS, GRIDDLES, DUTCH OVENS, AND STEAK PLATTERS.

Claims use since May 10, 1945.

424,412. (CLASS 38. PRINTS AND PUBLICATIONS.) SUTTON PUBLISHING COMPANY, INC., New York, N. Y. Filed July 27, 1945. Serial No. 486,396.

METAL-WORKING EQUIPMENT

FOR PERIODICALS PUBLISHED FROM TIME TO TIME.

Claims use since July 12, 1945.

424,413. (CLASS 39. CLOTHING.) THE POSTWAY COMPANY, Concord, N. C., assignor to The Postway Company, Concord, N. C., a corporation of North Carolina. Filed July 30, 1945. Serial No. 486,502.

Postway

FOR LADIES' FULL FASHIONED HOSIERY, LADIES' SEAMLESS HOSIERY, MEN'S AND CHILDREN'S SEAMLESS HOSIERY, AND MEN'S FULL FASHIONED HOSIERY.

Claims use since July 16, 1945.

424,414. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) SPEED MFG. CO., New York, N. Y., assignor to Snap-Lite Corp., New York, N. Y., a corporation of New York. Filed Aug. 3, 1945. Serial No. 486,696.



The lining for shading in the drawing is a representation of raised portions in the lettering.

FOR PYROPHORIC LIGHTERS FOR CIGARS, CIGARETTES AND PIPES.

Claims use since July 24, 1945.

424,415. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) TRAV-L-NEAT PRODUCTS COMPANY, Kansas City, Kans. Filed Sept. 10, 1945. Serial No. 488,245.

TRAV-L-NEAT

FOR AUTOMOBILE COAT HANGER HOOKS.

Claims use since Aug. 6, 1945.

424,416. (CLASS 39. CLOTHING.) THE JETMORE CO., Olathe, Kans. Filed Sept. 12, 1945. Serial No. 488,327.



FOR CHILDREN'S PLAY GARMENTS—NAMELY, OVERALLS, SUN SUITS, SHIRTS, AND PINAFORES.

Claims use since Aug. 6, 1945.

424,417. (CLASS 37. PAPER AND STATIONERY.) DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C. Filed Oct. 27, 1945. Serial No. 490,581.

BARKTONE

FOR BLOTTING PAPER, BASE COVER PAPER, COVER PAPERS AND PRINTING PAPERS.

Claims use since Mar. 31, 1939.

424,418. (CLASS 39. CLOTHING.) AINSLEE CLASSICS, New York, N. Y. Filed Nov. 21, 1945. Serial No. 491,944.

Ainslee

FOR LADIES' COATS AND SUITS.

Claims use since April 1944.

424,419. (CLASS 38. PRINTS AND PUBLICATIONS.) HERB EICHNER, St. Cloud, Minn. Filed Jan. 2, 1946. Serial No. 494,181.



FOR A BI-MONTHLY PUBLICATION.

Claims use since July 20, 1944.

424,420. (CLASS 38. PRINTS AND PUBLICATIONS.) SPORTS AFIELD PUBLISHING CO., Minneapolis, Minn. Filed Jan. 17, 1946. Serial No. 494,943.

SPORTS AFIELD

FOR A MAGAZINE PUBLISHED MONTHLY AND DEALING WITH THE SPORTING GOODS INDUSTRY AND SPORTSMEN.

Claims use since June 10, 1945.

424,421. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL INDUSTRIES, INC., Chicago, Ill. Filed Feb. 1, 1946. Serial No. 495,810.

Beauty Shop DIGEST

FOR PERIODICAL PUBLICATION RELATING TO BEAUTY TRADE.

Claims use since February 1944.

424,422. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WASMER BOLT & SCREW CORPORATION, Lakewood, Ohio. Filed Feb. 11, 1946. Serial No. 496,415.

Tru-Fit

FOR PLOW BOLTS, NUTS AND SCREWS.

Claims use since October 1941.

424,423. (CLASS 39. CLOTHING.) MARSHALL'S MANUFACTURING CO., Boston, Mass. Filed Apr. 2, 1946. Serial No. 499,501.



FOR WOMEN'S COATS AND SUITS.

Claims use since January 1945.

TRADE-MARK REGISTRATIONS RENEWED

29,034. **PEARL BOND 1896.** WRITING-PAPER AND ENVELOPES. Registered Oct. 27, 1896. SOUTHWORTH COMPANY, Mittineague, Mass. Re-renewed Oct. 27, 1946, to Southworth Company, West Springfield, Mass., a corporation of Massachusetts. Class 37.

52,653. **"A" WITHIN A CIRCLE.** CIRCUIT CONTROLLERS OR SWITCHES. Registered May 15, 1906. ALBERT & J. M. ANDERSON MANUFACTURING COMPANY. Re-renewed May 15, 1946, to Albert & J. M. Anderson Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 21.

52,923. **IDEAL.** CANNED LOBSTER. Registered May 22, 1906. WILKINSON, GADDIS & Co., Newark, N. J. Re-renewed May 22, 1946, to American Stores Company, Philadelphia, Pa., a corporation of Delaware. Class 46.

53,103. **"I" WITHIN MALTESE CROSS.** RAILWAY-CAR CASTINGS. Registered May 29, 1906. THE NATIONAL MALLEABLE CASTINGS COMPANY, Cleveland, Ohio, and Indianapolis, Ind. Re-renewed May 29, 1946, to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio. Class 14.

53,559. **"M" WITHIN A CIRCLE.** RAILWAY-CAR CASTINGS. Registered June 5, 1906. THE NATIONAL MALLEABLE CASTINGS COMPANY, Cleveland, Ohio, and Sharon, Pa. Re-renewed June 5, 1946, to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio. Class 14.

54,158. **"BEECHAM'S PATENT PILLS" ETC.** PILLS. Registered June 19, 1906. JOSEPH BEECHAM, St. Helens, England. Re-renewed June 19, 1946, to Beechams Pills, Inc., Bloomfield, N. J., a corporation of New York. Class 6.

54,241. **"BEECHAM'S" ETC. AND DESIGN.** PILLS. Registered June 26, 1906. JOSEPH BEECHAM, St. Helens, England. Re-renewed June 26, 1946, to Beechams Pills, Inc., Bloomfield, N. J., a corporation of New York. Class 6.

54,242. **BEECHAM'S PILLS.** PILLS. Registered June 26, 1906. JOSEPH BEECHAM, St. Helens, England. Re-renewed June 26, 1946, to Beechams Pills, Inc., Bloomfield, N. J., a corporation of New York. Class 6.

54,561. **"R W & S" AND DESIGN.** STERLING-SILVER HOLLOW WARE, STERLING-SILVER FLAT WARE, AND STERLING-SILVER TOILET ARTICLES. Registered June 26, 1906. R. WALLACE & SONS MANUFACTURING COMPANY, Wallingford, Conn., a corporation of Connecticut. Re-renewed June 26, 1946. Class 28.

55,236. **KOHINOOR.** TEA. Registered Aug. 7, 1906. CHASE & SANBORN, Boston, Mass. Re-renewed Aug. 7, 1946, to Standard Brands Incorporated, New York N. Y., a corporation of Delaware. Class 46.

55,287. **J. W. PALMER.** WHISKY. Registered Aug. 14, 1906. FRIEDMAN, KEILER & CO., Paducah, Ky. Re-renewed Aug. 14, 1946, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Class 49.

55,288. **"BROOK HILL" ETC.** WHISKY. Registered Aug. 14, 1906. FRIEDMAN, KEILER & CO., Paducah, Ky. Re-renewed Aug. 14, 1946, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Class 49.

55,527. **"THE LAWRENCE PAINTS" ETC. AND DESIGN.** READY-MIXED PAINTS. Registered Aug. 14, 1906. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Re-renewed Aug. 14, 1946. Class 16.

55,664. **ORLOFF.** TEA. Registered Aug. 21, 1906. CHASE & SANBORN, Boston, Mass. Re-renewed Aug. 21, 1946, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

56,090. **"OLD STYLE" AND DRAWING.** TIN AND TERNE PLATE. Registered Aug. 21, 1906. N. & G. TAYLOR CO., Philadelphia, Pa. Re-renewed Aug. 21, 1946, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey. Class 14.

56,482. **AMERICAN.** BALL-BLUE AND WASH-BLUE. Registered Sept. 25, 1906. THE HELLER & MERZ CO., Newark, N. J., and New York, N. Y. Re-renewed Sept. 25, 1946, to American Cyanamid Company, New York, N. Y., a corporation of Maine. Class 6.

56,918. **"THE DE LAVAL SEPARATOR CO." AND DESIGN.** CREAM-SEPARATORS OF ALL KINDS. Registered Oct. 23, 1906. THE DE LAVAL SEPARATOR COMPANY, New York and Poughkeepsie, N. Y. Re-renewed Oct. 23, 1946, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey. Class 23.

56,956. **"ENTERPRISE" ETC.** MEAT-CHOPPING MACHINES AND MEAT-PRESSES. Registered Oct. 30, 1906. THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Oct. 30, 1946. Class 23.

57,022. **STAR AND DIAMOND DESIGN.** PENHOLDERS. Registered Oct. 30, 1906. EBERHARD FABER, New York, N. Y. Re-renewed Oct. 30, 1946, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York. Class 37.

212,451. **"GIRL SCOUTS" AND DESIGN.** BELTS AND SCARFS FOR PERSONAL WEAR, SHOULDER STRAPS, CHEVRONS, ARM BANDS, LAPELS, PONCHOS, SWEATERS, BLOUSES, BLOOMERS, SKIRTS, STOCKINGS, RAINCOATS, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered May 4, 1926. GIRL SCOUTS, New York, N. Y., a corporation of the District of Columbia. Renewed May 4, 1946. Class 39.

212,696. **RIFE.** HYDRAULIC ENGINES AND RAMS. Registered May 11, 1926. RIFE HYDRAULIC ENGINE MFG. CO., New York, N. Y., a corporation of Virginia. Renewed May 11, 1946. Class 23.

213,084. **"CHOCOLATES" AND DRAWING.** EATING CHOCOLATES MOLDED IN FANCY SHAPES. Registered May 18, 1926. GEO. HAAS & SONS, San Francisco, Calif. Renewed May 18, 1946, to Geo. Haas & Sons, Emeryville, Calif., a corporation of California. Class 46.

213,089. **BIG MASTER.** MALT SIRUP FOR FOOD PURPOSES. Registered May 18, 1926. KOFFMAN & BLUMENAU, Bay City, Mich., a firm. Renewed May 18, 1946. Class 46.

213,345. **BEAR BRAND.** TEXTILE ARTICLES—NAMELY, HOSIERY. Registered May 25, 1926. BEAR BRAND HOSIERY CO., Chicago, Ill. Renewed May 25, 1946, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill., a corporation of Illinois. Class 39.

213,347. **"BEAR BRAND" AND DRAWING.** TEXTILE ARTICLES—NAMELY, HOSIERY. Registered May 25, 1926. BEAR BRAND HOSIERY CO., Chicago, Ill. Renewed May 25, 1946, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill., a corporation of Illinois. Class 39.

213,421. **LITTLE MEN.** TEXTILE ARTICLES—NAMELY, HOSIERY. Registered May 25, 1926. BEAR BRAND HOSIERY CO., Chicago, Ill. Renewed May 25, 1946, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill., a corporation of Illinois. Class 39.

213,611. **BAKELITE.** SAFE COMBINATION KNOBS. Registered June 1, 1926. BAKELITE CORPORATION. Renewed June 1, 1946, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 25.

213,643. **CYCLONE.** WIRE BASKETS. Registered June 1, 1926. CYCLONE FENCE COMPANY, Waukegan, Ill. Renewed June 1, 1946, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey. Class 2.

214,009. **MAJESTEEM DOUBLETWILL.** WOOLEN PIECE GOODS. Registered June 8, 1926. FORSTMANN & HUFFMANN COMPANY. Renewed June 8, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

214,366. **BAKELITE.** DOOR HANDLES, KNOBS, KNOCKERS, NAME PLATES, PUSH PLATES, AND ESCUTCHEONS; SPRAYING NOZZLES, PERCOLATOR HANDLES, CASTERS, BELL HANDLES, VALVE DISKS AND HANDLES, TOILET SEATS, FURNITURE SLIDERS, AND SALT AND PEPPER SHAKERS. Registered June 22, 1926. BAKELITE CORPORATION. Renewed June 22, 1946, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 18.

214,367. **BAKELITE.** RADIUM PLAQUES, OZONIZING APPARATUS, VIOLET-RAY GENERATORS, MANICURE SETS, HANDLES OF DENTAL AND SURGICAL INSTRUMENTS, CAUTERY INSULATION, GRINDING WHEELS OF DENTAL INSTRUMENTS, TEETHING RINGS, AND ARTIFICIAL TEETH. Registered June 22, 1926. BAKELITE CORPORATION. Renewed June 22, 1946, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 44.

214,663. **BAKELITE.** METER FRAMES, DISKS, AND CASES; AMMETER CASES, SPEEDOMETER PARTS, WHEAT-STONE BRIDGES, CAPACITANCE-METER PARTS, FLOW-METER PARTS, STIRRING RODS, PIPETTES, BURETTES, AND BURETTE STANDS, AND CERTAIN OTHER NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered June 29, 1926. BAKELITE CORPORATION. Renewed June 29, 1946, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 26.

214,673. **DORMIE.** COSTUMES, COATS, AND SKIRTS FOR WOMEN; CAPS, HATS, SUITS, AND OVERCOATS FOR MEN AND CHILDREN. Registered June 29, 1926. J. & J. C. DORWARD LIMITED, Galashiels, Scotland, a corporation of Great Britain. Renewed June 29, 1946. Class 39.

215,159. **FURNOLA.** HEATING APPLANCES—NAMELY, HEATING STOVES, AND FURNACES FOR USING COAL AND THE LIKE. Registered July 13, 1926. THE ESTATE STOVE COMPANY, Hamilton, Ohio, a corporation of Ohio. Renewed July 13, 1946. Class 34.

215,162. **BAKELITE.** CLOCK CASES AND WATCH-CASES. Registered July 13, 1926. BAKELITE CORPORATION. Renewed July 13, 1946, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 27.

215,394. **FORTY-FOUR HUNDRED.** WOVEN, KNITTED, NETTED TEXTILE, AND PILE FABRICS IN THE PIECE, COMPRISED IN WHOLE OR IN PART OF SILK. Registered July 20, 1926. CHENEY BROTHERS, South Manchester, Conn., a corporation of Connecticut. Renewed July 20, 1946. Class 42.

215,475. **PATINA.** WOOLEN PIECE GOODS. Registered July 20, 1926. FORSTMANN & HUFFMANN COMPANY. Renewed July 20, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

215,498. **BAKELITE.** PICTURE FRAMES AND CHAIR SEATS AND ARMS. Registered July 20, 1926. BAKELITE CORPORATION. Renewed July 20, 1946, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 32.

215,875. **MILANA.** WOOLEN PIECE GOODS. Registered July 27, 1926. FORSTMANN & HUFFMANN COMPANY. Renewed July 27, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

215,972. **LORD BALTIMORE.** MOTOR OILS AND GREASES, AUTO OILS AND GREASES FOR LUBRICATING PURPOSES, GASOLINE; MOTOR FUEL—NAMELY, COMBINATIONS OF GASOLINE AND OTHER ELEMENTS MIXED THEREWITH USED IN THE PLACE OF GASOLINE AND KEROSENE. Registered Aug. 3, 1926. LORD BALTIMORE FILLING STATIONS, INC., Baltimore, Md., a corporation of Maryland. Renewed Aug. 3, 1946. Class 15.

216,145. **"AYWON A-1" AND DESIGN.** RADIO APPARATUS COMPRISING RHEOSTATS, VACUUM-TUBE CONTROLS, RECEIVING TRANSFORMERS, VARIABLE INDUCTORS, LOADING COILS, AND RADIO RECEIVING SETS; ELECTRIC HORNS FOR VEHICLES, ELECTRIC LIGHTING AND STARTING SYSTEMS FOR VEHICLES AND BOATS, AND ELECTRIC BATTERIES. Registered Aug. 3, 1926. ARTHUR L. PATSTONE, doing business as Aywon Storage Battery Co., Atlantic, Mass. Renewed Aug. 3, 1946, to Arthur L. Patstone, doing business as Aywon Storage Battery Company, Quincy, Mass. Class 21.

216,529. **"B" AND DESIGN.** LOVING-CUP BASES, AND ROSARIES MADE OF CONDENSATION PRODUCTS OF PHENOL AND FORMALDEHYDE. Registered Aug. 10, 1926. BAKELITE CORPORATION. Renewed Aug. 10, 1946, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 50.

216,843. **"CHALET-KAESE" ETC.** CHEESE AND PRESERVED CHEESE. Registered Aug. 24, 1926. ALPINA KAESE A. G. (ALPINA CHEESE CO.), Burgdorf, Switzerland, a corporation of Switzerland. Renewed Aug. 24, 1946. Class 46.

216,878. **REPRESENTATION OF A BEAR.** TEXTILE ARTICLES—NAMELY, HOSIERY. Registered Aug. 24, 1926. BEAR BRAND HOSIERY CO., Chicago, Ill. Renewed Aug. 24, 1946, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill., a corporation of Illinois. Class 39.

216,883. **COLFIX.** MANUFACTURES FOR BITUMEN FOR USE IN A COLD STATE IN THE MAKING OF ROAD SURFACES. Registered Aug. 24, 1926. COLFIX, LIMITED, Glasgow, Scotland. Renewed Aug. 24, 1946, to American Bitumuls Company, Wilmington, Del., and San Francisco, Calif., a corporation of Delaware. Class 12.

217,026. **SUREFAT.** POULTRY FOOD. Registered Aug. 24, 1926. SPERRY FLOUR CO., San Francisco, Calif. Renewed Aug. 24, 1946, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

217,263. **TEXET.** PREPARATION USED AS AN ADHESIVE IN THE MANUFACTURE OF PAPER FOR GLUING CLAY, SATIN WHITE, COLORS, AND SIMILAR MATERIAL TO PAPER; ALSO AS AN ADHESIVE FOR GLUING TOGETHER PIECES OF LAMINATED WOOD, JOINTS OF WOOD, FIBER, CARDBOARD, AND THE LIKE. Registered Aug. 31, 1926. THE CASEIN MANUFACTURING COMPANY. Renewed Aug. 31, 1946, to The Borden Company, New York, N. Y., a corporation of New Jersey. Class 5.

217,425. **MERCHANTEER.** MEN'S SACK COATS AND MEN'S OVERCOATS. Registered Aug. 31, 1926. THE STEIN-BLOCH CO. Renewed Aug. 31, 1946, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. Class 39.

217,526. **KEMPSMITH.** PLAIN MILLING MACHINES, UNIVERSAL MILLING MACHINES, VERTICAL MILLING MACHINES, HAND MILLING MACHINES, LINCOLN-TYPE MILLING MACHINES, AND CERTAIN OTHER NAMED MACHINERY AND TOOLS. Registered Aug. 31, 1926. THE KEMPSMITH MANUFACTURING CO. Renewed Aug. 31, 1946, to The Kempsmith Machine Company, West Allis, Wis., a corporation of Wisconsin. Class 23.

217,712. **GOLDEN VALLEY.** FRESH AND CANDIED DATES. Registered Sept. 7, 1926. THE DEGLET NOOR DATE GROWERS ASSOCIATION. Renewed Sept. 7, 1946, to California Date Growers Association, Indio, Calif., a corporation of California. Class 46.

218,014. **LOCUST.** WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS THEREOF. Registered Sept. 14, 1926. HIPP. DIDISHEIM CO., INC. Renewed Sept. 14, 1946, to L. Adels Company, New York, N. Y., a firm. Class 27.

218,555. **WAVERLY PRINTS.** UPHOLSTERY FABRICS—VIZ, PRINTED COTTON PIECE GOODS AND PRINTED COLORS IN THE PIECE. Registered Sept. 28, 1926. F. SCHUMACHER & CO., New York, N. Y., a corporation of New York. Renewed Sept. 28, 1946. Class 42.

218,569. **MOS-NESS.** FRENCH SAUCE. Registered Sept. 28, 1926. LEONARD J. MOSNESS, doing business as Mosness Company, Boston, Mass. Renewed Sept. 28, 1946, to Leonard J. Mosness, doing business as Mosness Company, Allston, Mass. Class 46.

218,814. **DELCO.** LUBRICATING OILS AND GREASES, GASOLINE, BENZINE, KEROSENE, CUTTING OILS, AND PARAFFIN WAXES. Registered Oct. 5, 1926. LINDSAY-MCMILLAN CO., Milwaukee, Wis. Renewed Oct. 5, 1946, to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware. Class 15.

218,853. **Z. B. T.** SOAPS AND SOAP SHAVING CREAMS. Registered Oct. 5, 1926. THE CRYSTAL CHEMICAL COMPANY, INC., Bronx, N. Y. Renewed Oct. 5, 1946, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware. Class 4.

219,076. **ASCO.** CREAM OF TARTAR AND BAKING POWDER. Registered Oct. 12, 1926. AMERICAN STORES COMPANY, Philadelphia, Pa., a corporation of Delaware. Renewed Oct. 12, 1946. Classes 6 and 46.

219,087. **LIFETIME LEDGER.** BOND PAPER. Registered Oct. 12, 1926. GILBERT PAPER COMPANY, Mensaha, Wis., a corporation of Wisconsin. Renewed Oct. 12, 1946. Class 37.

219,161. **BURNEX.** OINTMENT FOR BURNS, CUTS, BRUISES, SUNBURN, PILES, AND ALL SKIN TROUBLES. Registered Oct. 12, 1926. FIG-O-LAX OVALS COMPANY, INC., New York, N. Y. Renewed Oct. 12, 1946, to Samuel Silber, Newark, N. J. Class 6.

219,229. **ROSINAL.** LIQUID CORE BINDER. Registered Oct. 12, 1926. LINDSAY-MCMILLAN CO., Milwaukee, Wis. Renewed Oct. 12, 1946, to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware. Class 5.

219,388. **ORGULLO.** WHEAT FLOUR. Registered Oct. 19, 1926. PERRY MILL & ELEVATOR COMPANY, Perry, Okla. Renewed Oct. 19, 1946, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

219,395. **RA'GON.** CUT MEATS AND A COMBINATION OF FOOD PRODUCTS IN THE NATURE OF A STEW CONSISTING PRINCIPALLY OF BROTH, VEGETABLES, AND BEEF. Registered Oct. 19, 1926. LIBBY, MCNEILL & LIBBY, Chicago, Ill., a corporation of Maine. Renewed Oct. 19, 1946. Class 46.

219,405. **PARTAGON.** PHARMACEUTICAL PRODUCTS FOR THE TREATMENT OF GONORRHEA AND OTHER INFECTIOUS DISEASES OF THE GENITAL ORGANS. Registered Oct. 19, 1926. CHEMICAL WORKS FORMERLY SANDOZ, Basel, Switzerland. Renewed Oct. 19, 1946, to Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Class 6.

219,434. **DELCOPENN.** LUBRICATING OIL. Registered Oct. 19, 1926. LINDSAY-MCMILLAN CO., Milwaukee, Wis. Renewed Oct. 19, 1946, to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware. Class 15.

219,492. **BAKELITE.** NECKLACES, EARRINGS, BRACELETS, BROOCHES, PENDANTS, BAR PINS, STICKPINS, HAT DARTS, WATCH FOBS, AND CHAINS. Registered Oct. 19, 1926. BAKELITE CORPORATION. Renewed Oct. 19, 1946, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 28.

219,586. **"PATCHOL" AND DESIGN.** COD-LIVER OIL. Registered Oct. 19, 1926. THE E. L. PATCH COMPANY, Stoneham, Mass., a corporation of Massachusetts. Renewed Oct. 19, 1946. Class 6.

219,603. **"HAGAN" AND DESIGN.** HEATING FURNACES. Registered Oct. 19, 1926. GEORGE L. HAGAN COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 19, 1946. Class 21.

219,668. **"JAYS" AND DRAWING.** DRESSES, SUITS, COATS, HATS, SKIRTS, BLOUSES, SCARFS, SWEATERS, NECKTIES, BELTS, BATHING SUITS, WRAPS, CAPS, SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered Oct. 19, 1926. JAYS INC., Boston, Mass., a corporation of Massachusetts. Renewed Oct. 19, 1946. Class 39.

219,702. **NE-DAN-JO.** PREPARATION FOR CORNS, BUNIONS, CALLI, TIRED AND ACHING FEET. Registered Oct. 19, 1926. NEILIE D. JONES, doing business as Ne-Dan-Jo Company, Atlanta, Ga. Renewed Oct. 19, 1946. Class 6.

219,749. **MAMMOTH CASCADE.** LAUNDRY WASHING MACHINES. Registered Oct. 26, 1926. THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood Station, Cincinnati, Ohio. Renewed Oct. 26, 1946, to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio. Class 24.

219,752. **NATIONAL.** GAS WELDING BURNERS, TORCHES, AND GAS WELDING APPARATUS AND PARTS THEREOF. Registered Oct. 26, 1926. NATIONAL WELDING EQUIPMENT COMPANY, San Francisco, Calif., a corporation of California. Renewed Oct. 26, 1946. Class 34.

219,768. **CAMEO DESIGN.** GLOVES OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS THEREOF; SILK COATS FOR MEN, WOMEN, AND CHILDREN; UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN, CONSISTING OF VESTS, BLOOMERS, KNICKERBOCKER, DRAWERS, UNIONSUITS, COMBINATION CHEMISE, ENVELOPE CHEMISE, CORSET COVERS, NIGHTGOWNS, PYJAMAS; AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered Oct. 26, 1926. VANITY FAIR SILK MILLS. Renewed Oct. 26, 1946, to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania. Class 39.

219,781. **"SAN-EQUIP".** CHEMICAL TOILET SYSTEMS. Registered Oct. 26, 1926. CHEMICAL TOILET CORPORATION. Renewed Oct. 26, 1946, to San-Equip, Inc., Syracuse, N. Y., a corporation of New York. Class 13.

219,835. **FLORAL.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Oct. 26, 1926. COLTON FRUIT EXCHANGE. Renewed Oct. 26, 1946, to Shibli S. Damus, doing business as United Citrus Growers, Colton, Calif. Class 46.

219,846. **CAVALIER.** WATCHES AND WATCHCASES. Registered Oct. 26, 1926. ELGIN NATIONAL WATCH COMPANY, Chicago, Ill. Renewed Oct. 26, 1946, to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois. Class 27.

219,867. **"SUREMILK" AND DRAWING.** STOCK FOOD. Registered Oct. 26, 1926. SPERRY FLOUR COMPANY, San Francisco, Calif. Renewed Oct. 26, 1946, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

219,874. **TUDUCO.** TENTS, AWNINGS, PAULINS, AND COVERS FOR PROTECTION OF MERCHANDISE SUCH AS WAGON, TRUCK, AND HAY COVERS. Registered Oct. 26, 1926. TUCKER DUCK & RUBBER CO., Fort Smith, Ark., a corporation of Arkansas. Renewed October 26, 1946. Class 50.

219,882. **"APEX" ETC. AND DESIGN.** COATED FABRICS, ENAMELLED CLOTH, ARTIFICIAL LEATHER, WATERPROOF COTTON GOODS IN THE PIECE, WATERPROOF UPHOLSTERING FABRICS, WATERPROOF PAPIER-MÂCHÉ, WATERPROOF CANVAS, AND WATERPROOF MOHAIR. Registered Oct. 26, 1926. APEX COATED FABRICS CO. INC., New York, N. Y., a corporation of New York. Renewed Oct. 26, 1946. Classes 42, 50, and 20.

219,906. **"SAN-EQUIP".** SEPTIC TANKS. Registered Oct. 26, 1926. CHEMICAL TOILET CORPORATION. Renewed Oct. 26, 1946, to San-Equip, Inc., Syracuse, N. Y., a corporation of New York. Class 2.

219,911. **"COLONIAL TANNING COMPANY" ETC. AND DRAWING.** RAW OR PARTLY-PREPARED LEATHER. Registered Oct. 26, 1926. COLONIAL TANNING COMPANY. Renewed Oct. 26, 1946, to Colonial Tanning Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 1.

219,912. **MARY MAE.** CHILDREN'S APPAREL—NAMELY, HATS. Registered Oct. 26, 1926. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Renewed Oct. 26, 1946, to The May Department Stores Company, New York, N. Y., a corporation of New York. Class 39.

219,918. **MAXIMILLER.** ALL-GEARED PLAIN MILLING MACHINES, ALL-GEARED UNIVERSAL MILLING MACHINES, ALL-GEARED VERTICAL MILLING MACHINES, AND ALL-GEARED ADJUSTABLE-SPINDLE MILLING MACHINES. Registered Oct. 26, 1926. THE KEMPSMITH MANUFACTURING CO. Renewed Oct. 26, 1946, to The Kempsmith Machine Company, West Allis, Wis., a corporation of Wisconsin. Class 23.

219,920. **LUXITOL.** POWDER OR COMPOSITION FOR FACING OR COATING MOLDS FOR METAL CASTING IN FOUNDRY WORK. Registered Oct. 26, 1926. THE ALPHA-LUX COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Oct. 26, 1946. Class 1.

219,935. **"ALL-PURE" AND DESIGN.** SOAP. Registered Oct. 26, 1926. ALLEN B. WRISLEY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 26, 1946. Class 4.

219,936. **STEMPEL.** FIRE EXTINGUISHER APPARATUS, INCLUDING PORTABLE HAND EXTINGUISHERS AND WHEELED EXTINGUISHERS. Registered Oct. 26, 1926. ROBINSON FIRE APPARATUS MANUFACTURING COMPANY, St. Louis, Mo. Renewed Oct. 26, 1946, to Herbert A. Greene, doing business as M. L. Snyder & Son, Philadelphia, Pa. Class 23.

219,937. **SUNSHINE.** PORTABLE AND HAND-OPERATED SPRAYERS AND PARTS THEREOF. Registered Oct. 26, 1926. HUDSON MFG. COMPANY, Minneapolis, Minn. Renewed Oct. 26, 1946, to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota. Class 23.

220,142. **FAMOUS FOOD OF VIRGINIA.** CAKES AND CRACKERS. Registered Nov. 2, 1926. SOUTHERN BISCUIT WORKS. Renewed Nov. 2, 1946, to Southern Biscuit Company, Incorporated, Richmond, Va., a corporation of Virginia. Class 46.

220,214. **TAVERN.** MALT SIRUP FOR FOOD PURPOSES, CHEESE, AND BUTTER. Registered Nov. 2, 1926. AUG. WAGNER COMMISSION CO., St. Louis, Mo. Renewed Nov. 2, 1946, to Joseph George Van Korngut, Conneaut Lake, Pa. Class 46.

220,365. **"B" AND DESIGN.** GRINDING WHEELS, CUTTING WHEELS. Registered Nov. 9, 1926. BAKELITE CORPORATION. Renewed Nov. 9, 1946, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 4.

REISSUES

OCTOBER 1, 1946

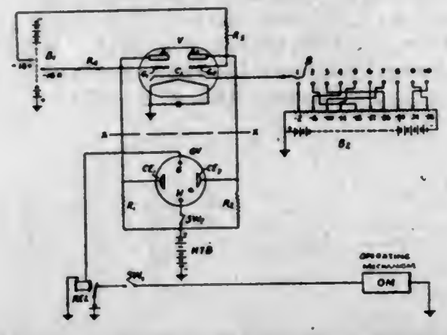
22,794

ELECTRICAL CONTROL SYSTEM FOR AUTOMATIC TELEPHONE SYSTEMS

Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Original No. 2,351,016, dated June 13, 1944, Serial No. 458,297, September 14, 1942. Application for reissue April 23, 1945, Serial No. 589,819

31 Claims. (Cl. 179—16)



1. An electrical control system comprising two current conducting means having different voltage-current characteristics such that for a predetermined voltage applied to them the difference between the magnitudes of the currents flowing through them is a maximum and for voltages either greater or less than said predetermined voltage the said current difference rapidly decreases, means for deriving from said currents a potential difference dependent upon said current difference, a control means arranged to be actuated only by a potential exceeding a predetermined value, and means for applying said potential difference to said control means.

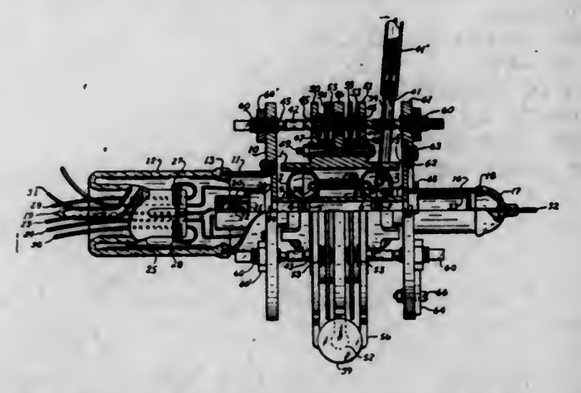
22,795

HIGH-FREQUENCY TUBE STRUCTURE

William W. Hansen, Russell H. Varian, and Sigurd F. Varian, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif., a corporation of California

Original No. 2,311,658, dated February 23, 1943, Serial No. 343,528, July 2, 1940. Application for reissue January 29, 1944, Serial No. 520,353

30 Claims. (Cl. 315—6)



18. A grid structure for insertion in an aperture comprising a deformed integral strip of metal having alternate arcuate portions conforming to the perimeter of said aperture and of substantially the same curvature as said aperture perimeter, and also having intervening V-shaped portions projecting toward the center of said aperture.

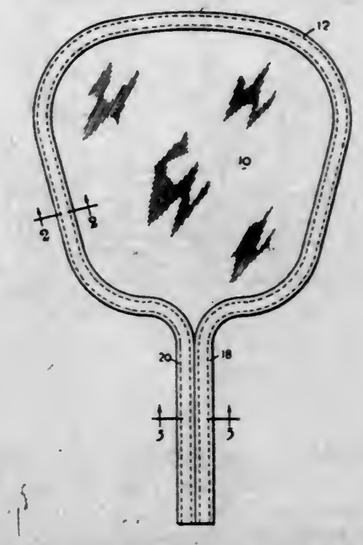
22,796

COMBINATION FAN AND EYESHIELD

Harry A. Husted, St. Clair, Mich.

Original No. 2,392,671, dated January 8, 1946, Serial No. 590,804, April 28, 1945. Application for reissue May 17, 1946, Serial No. 670,334

5 Claims. (Cl. 230—266)



1. In a combination fan and eye shield comprising a relatively thin fan-shaped sheet of transparent material having the property of filtering objectionable light frequencies; an integral frame and handle secured to said sheet and comprising a continuous hollow tube of plastic material of length substantially greater than the periphery of said sheet and having a slot throughout its entire length substantially equal in width to the thickness of said sheet, said tube being of such shape as to completely surround said sheet, forming a rigid frame therefor; the margins of said sheet being received in said tube through said slot, and the excess length of said tube at its two ends extending substantially radially of said sheet in the plane thereof and being cemented together to form a handle.

22,797

NUT CRACKING MACHINE

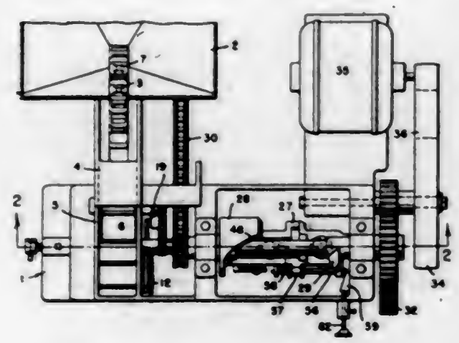
Leon K. Maulsby and John A. McGrann, San Antonio, Tex., said McGrann assignor to said Maulsby

Original No. 2,319,820, dated May 25, 1943, Serial No. 433,412, March 5, 1942. Application for reissue September 29, 1943, Serial No. 504,322

1 Claim. (Cl. 146—12)

In combination, in a nut cracking machine, a drive shaft, a carriage in parallel alignment with said drive shaft, said carriage being mounted for longitudinal movement with relation to said drive shaft, a slide mounted in said carriage for longitudinal movement with relation to said carriage and said drive shaft, resilient means in-

terposed between said carriage and said slide tending to hold said carriage in one direction and said slide in the opposite direction, a cam on said drive shaft governing in combination with said resilient means the longitudinal movement of said slide, a second cam on said drive shaft disposed to engage a roller mounted in said carriage for imparting longitudinal motion to said carriage, locking means between said slide and carriage, said locking means consisting of a ring closely fitting the diameter of said slide and with a comparatively narrow axial bearing surface on said slide, an internal enlargement in said carriage for the reception of said ring, the internal ends of said enlargement being in perpendicular alignment with the axis of said slide



at one end thereof for holding the axis of said ring in alignment with the axis of said slide and the opposite end of said enlargement being provided with a shoulder engageable with one portion only of the periphery of said ring, means normally holding said ring in contact with said perpendicular end of said internal enlargement and securing true alignment of said ring with said slide and means opposed to said shoulder in said internal enlargement for moving that portion of said ring periphery out of engagement with the perpendicular end of said internal housing enlargement and into engagement with said shoulder to produce a mis-alignment between said ring and said slide whereby the action of said shoulder against the periphery of said ring will serve to lock said slide with relation to said carriage upon movement of said carriage.

22,798
TOGGLE FASTENING MEANS FOR FLOATING CLOSURES
Herbert Wolcott, Columbia, Mo.
Original No. 2,342,095, dated February 15, 1944, Serial No. 359,886, October 5, 1940. Application for reissue February 15, 1945, Serial No. 578,068
5 Claims. (Cl. 220—57)



4. A closure structure comprising a body member having a closure seat, a movable cover member mounted in floating engagement with said seat and formed with a pair of spaced hook elements, and securing means including a cover actuating bar movable into and out of clamping engagement therewith, said bar being formed with a projection entering the space between said hook elements to prevent rotation of said cover member and also having a pair of lugs engageable with said hook elements for lifting said cover member on movement of said bar for releasing its clamping engagement with the cover member.

PLANT PATENTS

GRANTED OCTOBER 1, 1946

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

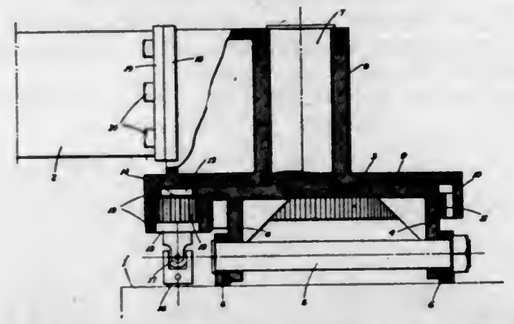
711
CHRYSANTHEMUM PLANT
Emil Prushek, Berrien Springs, Mich., assignor to The R. M. Kellogg Company, Three Rivers, Mich., a corporation of Michigan
Application November 28, 1945, Serial No. 631,249
1 Claim. (Cl. 47—60)

A new and distinct variety of chrysanthemum plant characterized as to novelty by the intense coloring of blossoms, and the very dwarf, compact, rather flat form of the plant, substantially as shown and described.

PATENTS

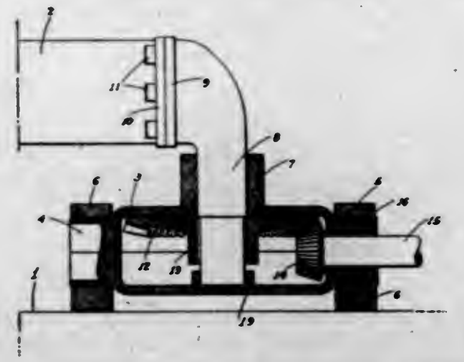
GRANTED OCTOBER 1, 1946

2,408,359
COUPLING AND STEERING UNIT
Richard Lawrence Akers, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application June 29, 1945, Serial No. 602,346
10 Claims. (Cl. 180—79.4)



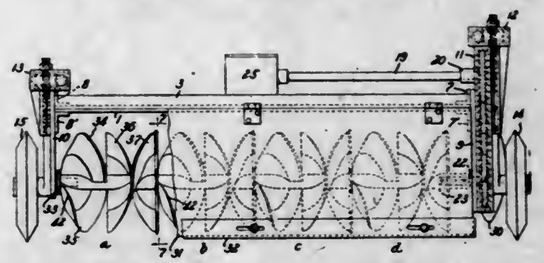
1. A tractor-trailer draft coupling and power steering unit comprising a pair of cooperating members secured together for relative rotation about an upstanding axis, means adapted to connect one member in fixed relation to the trailer, means adapted to connect the other member to the tractor for unitary lateral tilting of said members relative to said tractor about a longitudinal axis, a ring gear secured concentrically with said one member, a pinion carried by and journaled on the other member about a vertical axis and meshing with the gear, and drive means connected in driving relation to the pinion and operable to drive the latter regardless of the relative lateral tilt between the tractor and said unitary members.

2,408,360
DRAFT COUPLING AND POWER STEERING UNIT
Richard Lawrence Akers, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application June 29, 1945, Serial No. 602,347
7 Claims. (Cl. 180—79.4)



1. A tractor-trailer draft coupling and power steering unit comprising a member adapted to be mounted on the tractor for relative lateral tilting about a longitudinal axis, a post adapted to be fixed in connection with the trailer, said post being mounted on and projecting from the member for relative rotation about an upstanding axis, a gear secured concentrically on the post, and a reversibly driven, shaft supported pinion in mesh with the gear, said pinion and laterally tiltable member being coaxial along the longitudinal axis of tilting of the latter.

2,408,361
ROTARY TILLER
John Peter Bagan, Portland, Oreg., assignor of one-third to Anthony R. Wanasek, Marshfield, Oreg.
Application August 9, 1944, Serial No. 548,706
10 Claims. (Cl. 97—41)

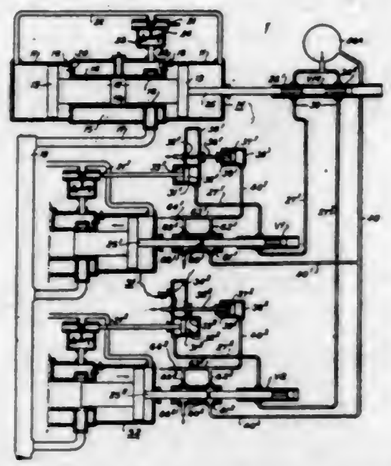


1. A rotary spiral tiller comprising a frame, supporting wheels and draft means, a spiral cutter mounted for rotation on the frame in a position to engage the ground and means for driving the rotary cutter, said rotary cutter comprising at least one section having a central shaft and at least one pair of spiral blades mounted thereon in predominately non-overlapping relationship to each other longitudinally of the shaft and oppositely pitched to move material toward each other when the cutter is rotated so that the forward edges thereof move downwardly as the cutter is moved forwardly, each blade extending substantially 180° around the shaft and the adjacent ends of the blades being equally spaced circumferentially of the shaft and the adjacent ends of blades of opposite pitch alternating with each other around the shaft.

2,408,362
OSCILLATING FLUID-DISPLACING MACHINES OPERATING IN PARALLEL
Evelyn Stewart Lansdowne Beale, Staines, England, assignor to Alan Muntz & Company Limited, Hounslow, England, a company of Great Britain
Application November 17, 1943, Serial No. 510,638
In Great Britain November 25, 1942
15 Claims. (Cl. 60—97)

1. A combination of at least two oscillatory fluid-displacing machines arranged to operate in parallel on a common main and provided with means for maintaining automatically a predetermined phase relationship between them, said means including a source of fluid under pressure, a device actuated by one of said machines which serves as a master for interrupting the flow of said pressure fluid synchronously only once per cycle of said master machine, a device actuated by the other of said two machines which acts as a slave, said slave device being connected to receive the interrupted flow of pressure fluid passed by said master device and serving for interrupting the flow of pressure fluid synchronously only once per cycle of said slave machine, the arrangement being such that, when said pre-

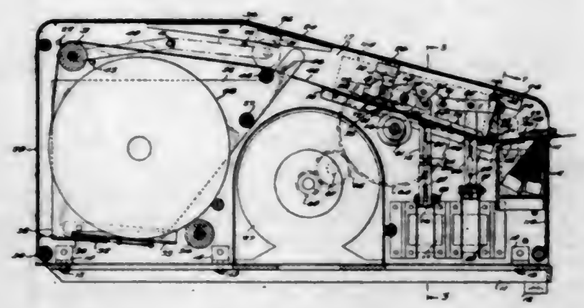
determined phase relationship exists, there is an overlap between the non-interrupting periods of said two devices, and a controller for varying the period of oscillation of said slave machine, in



response to variation in the mean rate of flow of pressure fluid passed by said two devices in series, in such a sense as to eliminate departure from said predetermined phase relationship.

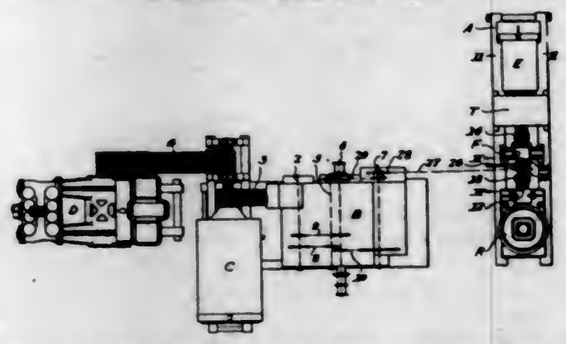
11. A free-piston fluid-displacing machine intended for operation in predetermined phase relationship in parallel with other like machines on a common main and having a controller for varying the period of oscillation of its free pistons, means for conducting a variable supply of fluid under pressure for actuating said controller, and a device having an oscillatory member connected for movement in synchronism with said free pistons and serving to interrupt synchronously the flow of pressure fluid through said conducting means, and means for adjusting the non-interrupting period of said device automatically in response to variation in at least one of the dead points of said free pistons so as at least to reduce the effect of variation of the length of the free-piston stroke on the ratio of said non-interrupting period to the period of oscillation of said free pistons.

2,408,363
ELECTRICALLY CONTROLLED STRIP SERVING MACHINE
Charles E. Beckman and Earl B. Dodds, Chicago, Ill., assignors to Better Packages, Inc., Shelton, Conn., a corporation of New York
Application May 9, 1942, Serial No. 442,386
32 Claims. (Cl. 164—49)



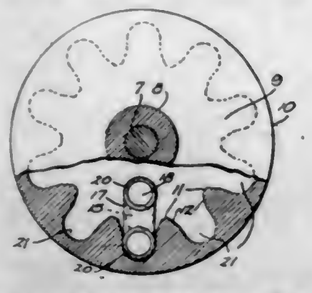
1. An apparatus for feeding measured strips of tape, a pair of feed rolls to feed the tape, a constant speed motor for driving at least one of said rolls in tape feeding direction, said rolls being mounted for relative movement into and out of tape feeding relation, and electrical means for controlling the delivery of strips of tape of predetermined length, said means including a feeder circuit, a timing circuit and a stop circuit, said feeder circuit having instrumentalities for bringing said tape feeding elements into tape feeding relation when said circuit is energized, said timing circuit being coordinately energized with said feeder circuit, said timing circuit completing said stop circuit after a given predetermined interval of time comparable to a given predetermined length of tape and said stop circuit having means to break said feeder circuit whereby said feed rolls are removed from tape feeding relation and feed of tape ceases.

2,408,364
ROTARY DRILLING UNIT
Daniel A. Bennett and August R. Maier, Oil City, Pa., assignors to Oil Well Supply Company, a corporation of New Jersey
Application March 30, 1942, Serial No. 436,908
1 Claim. (Cl. 255—19)



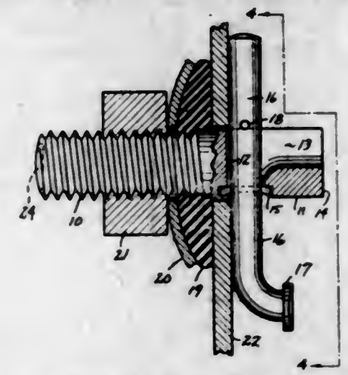
In a rotary drilling unit, the combination with a rotary, of a prime mover therefor, connecting shafting between said rotary and prime mover, and an auxiliary drive for the transmission of power to and from the unit comprising a pair of spaced couplings disposed in said connecting shafting and adapted to separately interrupt the transmission of power from the prime mover to the rotary, a transmission member freely rotatable on the portion of said connecting shafting between said couplings, and means for selectively connecting the transmission member to said portion of the connecting shafting.

2,408,365
SELF-LOCKING GEARING
Fred Biehl and Edward O. Thompson, Peshtigo, Wis.; said Biehl assignor to said Thompson
Application January 31, 1944, Serial No. 520,396
3 Claims. (Cl. 74—413)



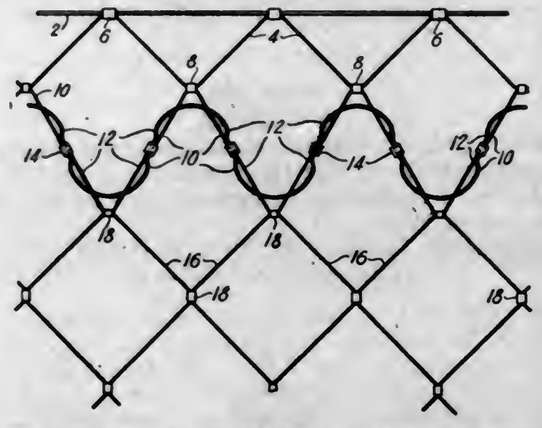
1. In a self-locking gear set, the combination with a pinion comprising a head rotatable upon a predetermined axis and provided at points spaced from said axis with axially projecting stud teeth revoluble about said axis in the rotation of said head, in combination with a ring gear mounted for rotation about a predetermined axis and in a plane which includes said pinion stud teeth, said ring gear comprising an annular series of inwardly projecting teeth with which the stud teeth of the pinion mesh, the ring gear teeth being spaced to provide interdental openings diverging substantially on radii of the ring gear and into which alternate teeth of the pinion are successively receivable, each ring gear tooth having inwardly converging beveled faces, said faces being so positioned as to correspondingly and simultaneously engage opposite teeth of the pinion when such teeth are disposed in a position such that a line drawn between them will lie substantially at right angles to a radius of the ring gear.

2,408,366
TOGGLE BOLT
Hugh N. Boyer, near Canfield, Ohio
Application March 20, 1945, Serial No. 583,712
2 Claims. (Cl. 85—3)



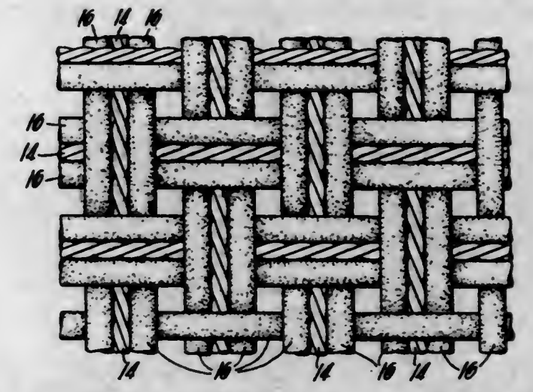
1. In a fastener, a partially threaded body member adapted for insertion through openings in articles to be fastened, a nut threaded on said threaded body member, an opening formed transversely in the unthreaded portion of the said body member, and a slot formed between the said opening and the unthreaded end of the said member, a toggle having a curved headed end freely positioned in said opening and pin means inwardly from the other end of said toggle for limiting its movement with respect to the said body member.

2,408,367
TORPEDO NET
Alan E. Brickman, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application March 6, 1945, Serial No. 581,309
4 Claims. (Cl. 114—241)



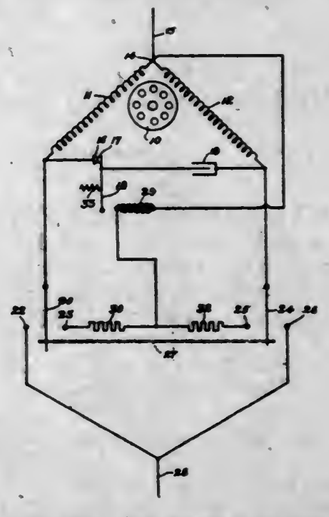
1. A torpedo net structure or the like comprising a rope, a mesh structure connected to said rope, said mesh structure being formed of a plurality of wire structures arranged in a zigzag manner with the apices of adjacent wire structures being connected by slip connections, and a shock absorbing seam between the rope and mesh structure, the shock absorbing seam giving under less stress than the connections in the mesh structure.

2,408,368
WIRE REINFORCED FABRIC
Alan E. Brickman, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Original application January 8, 1943, Serial No. 471,755. Divided and this application July 14, 1945, Serial No. 605,053
8 Claims. (Cl. 139—420)



1. A wire reinforced fabric comprising a plurality of threads arranged in a plain weave, each of said threads having a stranded wire structure between latex coated cords.

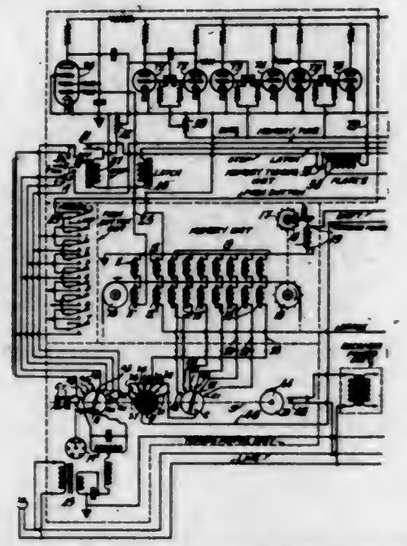
2,408,369
MOTOR CONTROL
Cornelius Brongersma, Muskegon Heights, Mich., assigner to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application April 13, 1944, Serial No. 530,878
6 Claims. (Cl. 172—279)



1. In a control for effecting quick reversal of a single phase alternating current motor including a rotor, a pair of displaced field windings connected together at one end and having different characteristics, the combination of a power supply line lead connected to the connected ends of the field windings, a starting circuit control relay having an electromagnetic actuating winding, a second power supply line lead, switching means for selectively alternating the connection of the other ends of the field windings to said second power supply line for effecting selective reversal of the rotor rotation, said switching

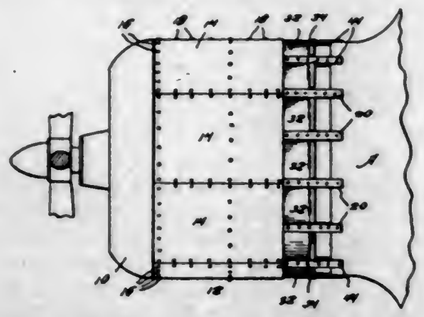
means having contacts for coincidentally effecting selective alternations of the field winding to which said electromagnetic actuating winding is connected, and compensating means in the circuit of said electromagnetic actuating winding providing compensation for the difference of characteristics of said field windings.

2,408,370
AUTOMATIC TUNING SYSTEM FOR RADIO RECEIVERS
Charles M. Burrill, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1943, Serial No. 477,209
17 Claims. (Cl. 250—20)



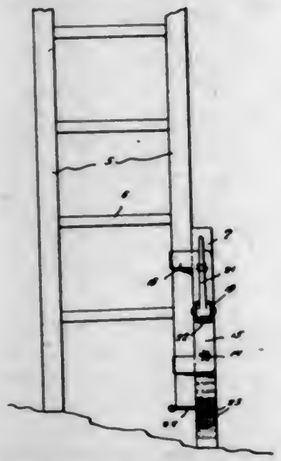
1. The method of effecting the automatic tuning of a radio receiver to selected stations according to a predetermined schedule, which consists in causing during the reception period of each tuned-in station the automatic production of a characteristic electro-magnetic recording which is different for each tuned-in station, and thereafter causing said electro-magnetic recordings to automatically control the operation of the receiver in accordance with said predetermined schedule.

2,408,371
COWLING FOR AIRPLANES
David M. Capanoli, now by judicial change of name David Marino Cappan, Hibbing, Minn.
Application November 8, 1944, Serial No. 562,475
1 Claim. (Cl. 123—171)



In combination with an engine, a front annular cowling encircling said engine, a substantially cylindrical cowling extending rearwardly in continuation of said front cowling, said cylindrical cowling being made up of a plurality of arcuate sections, a cockpit cowling rearwardly of and spaced from the rear end of the cylindrical cowling, oppositely channelled track elements underlying the adjacent side edges of said sections and secured thereto and extending across the space between the rear ends of the sections and the cockpit cowling, and arcuate shutters slidable in said track elements to close and open said space to regulate the air flow through said cowlings, said shutters being of sheet metal and each joined at its front edge to the adjacent portion of a plate clearing said track elements and also including a portion angularly spaced from the shutter and attached at its rear end to the shutter, and jack units each pivotally secured to the plate of a shutter and simultaneously operated.

2,408,372
LADDER EXTENSION
Jesse De Forest Chase, Kansas City, Mo.
Application November 10, 1944, Serial No. 562,815
2 Claims. (Cl. 228—63)



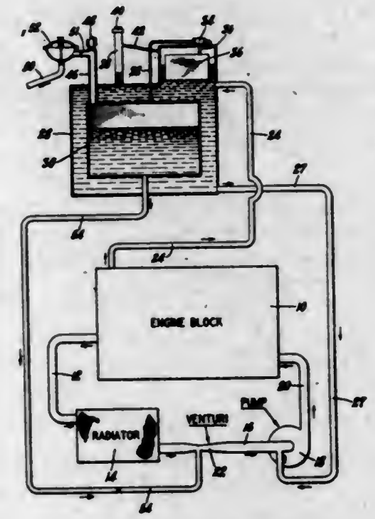
1. A ladder extension comprising an elongated member adapted for placing against one side of a ladder rail, a pair of stationary U-shaped clamping plates secured in vertically spaced relation to said member and adapted to receive an edge of both the ladder rail and said member for relative sliding movement and to secure the member against lateral movement from the rail as well as against forward or rearward tilting movement on the rail, a movable clamping plate carried by the member, cam means engaging said movable plate and adapted for moving the movable clamping plate into clamping engagement with an opposite edge of the ladder rail, and spring means yieldably urging the movable clamping plate out of clamping engagement.

2,408,373
ANTENNA
Lan Jen Chu, Brookline, Mass., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of War
Application January 13, 1945, Serial No. 572,723
3 Claims. (Cl. 250—11)



3. An antenna for radio communication systems having, in combination, means for radiating high frequency energy, a reflector for directing the radiant energy, said reflector comprising a plurality of sections normally forming a paraboloid, means for pivotally supporting some of said sections, and means for tilting at least one of said sections relative to the principal axis of said reflector.

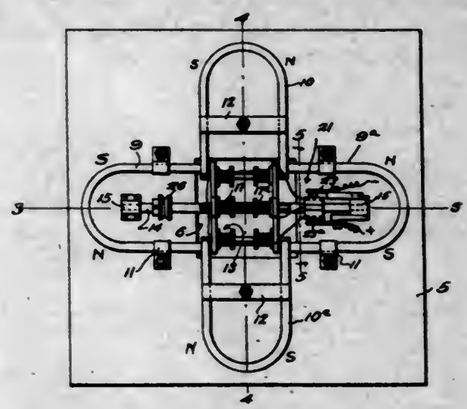
2,408,374
COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Leo J. Clapsadle and James C. Kratzer, Kenmore, and Eric E. Sommer, Larchmont, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
Application November 11, 1943, Serial No. 509,840
11 Claims. (Cl. 123—174)



9. A liquid cooling system for internal combustion engines comprising a primary circulation line including the engine block, a radiator, a coolant pump, and a venturi before the intake to said pump; an expansion tank connected to permit at least partial circulation of effluent engine block coolant; a static coolant reserve tank within said expansion tank and in heat exchange relationship with the coolant therein; a connection from said static tank to the throat of said venturi through which liquid head pressure of the static tank coolant is impressed on the system; a connection between said expansion tank and said static coolant reserve tank adapted readily to permit venting of air and vapor from the former to the latter tank and to resist similar flow of liquid; and pressure venting means on said static coolant reserve tank to control the vapor pressure therein while preventing an equalization of pressure with the outside atmosphere.

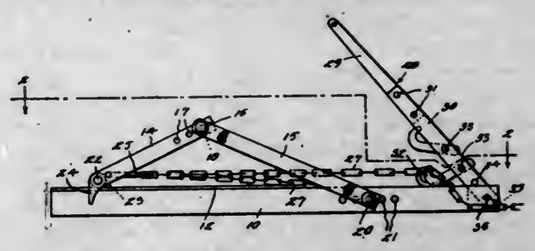
2,408,375
MAGNETIC MOTOR
Clarence P. Collins, Titusville, Pa.
Application April 27, 1944, Serial No. 533,013
7 Claims. (Cl. 172—36)

1. In a magnetic motor, the combination of two pairs of opposed permanent magnets arranged in cross formation, of an armature mounted for rotation about an axis located between and extending transversely of the permanent magnets of one pair, said armature including peripheral electromagnets having cores disposed parallel with the axis of rotation of the armature and having their ends arranged to move adjacent but inwardly of and past the ends of the permanent magnets of said one pair as the armature rotates, said electromagnets being arranged in the same plane and electrically connected in series, and a commutator comprising means for alternately energizing and



de-energizing the pairs of electromagnets, whereby the armature is driven by the alternate action thereon of the repelling force of the electromagnets and the attracting force of the permanent magnets.

2,408,376
AUTOMOBILE JACK
Charles C. Craig, Morrill, Nebr.
Application December 23, 1943, Serial No. 515,442
4 Claims. (Cl. 254—127)

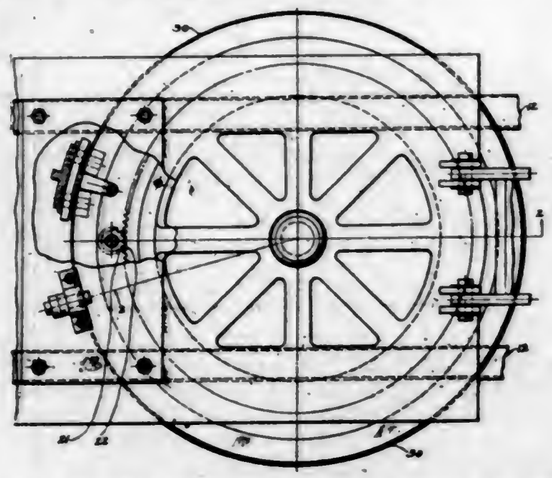


1. A jack of the class described comprising an elongated base, a lever pivoted to the base, a lever pivoted to the first-mentioned lever above the base, means carried by the second-mentioned lever to travel along the base, and means associated with the base operable to draw the second-mentioned lever toward the fulcrum of the first-mentioned lever to elevate them at their junction, and guard means on the second-mentioned lever extending therefrom below the upper surface of the base, said means on the second-mentioned lever movable on the base being a roller, a wear-plate on the base along which the roller moves, said means to actuate the levers consisting of a pair of draw elements extending from the second-mentioned lever, an operating lever on the base having hook means engageable with one of the draw elements, and an anchoring hook on the base engageable by the other draw element.

2,408,377
POLYVINYL ALCOHOL COMPOSITION
Charles Dangelmajer, Nutley, N. J., assignor to Resistoflex Corporation, Belleville, N. J., a corporation of New York
No Drawing. Application May 1, 1942,
Serial No. 441,275
6 Claims. (Cl. 260—36)

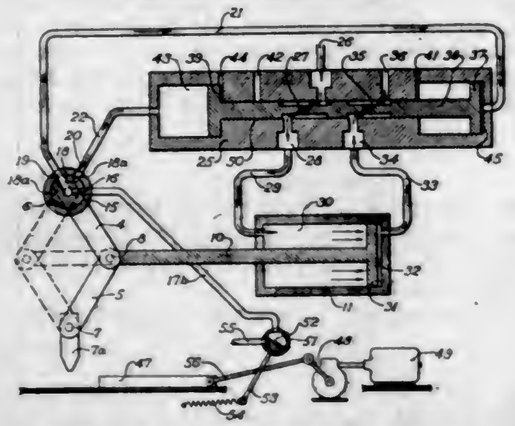
1. A normally flexible plasticized polyvinyl alcohol composition containing as a thermostabilizing agent a substance selected from the group consisting of the chlorides of aluminum and tin.

2,408,378
STABILIZER ATTACHMENT FOR CRANES
James E. Davenport and Leonard J. Quinn, Richmond, Calif.; said Quinn assignor to said Davenport
Application June 8, 1944, Serial No. 539,376
6 Claims. (Cl. 212—70)



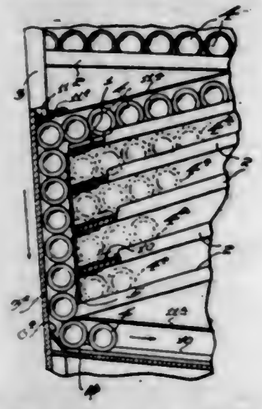
1. In a portable crane having a turntable with a top member mounted for rotation on a centerpin and providing a support for the crane boom adjacent the outer periphery of said member and a carrier with a frame underlying said member and having a support thereon for said pin and a peripheral bearing for supporting said member at said boom supporting portion, a circular track fixedly mounted on said frame and surrounding said bearing in concentric relation to said pin and provided with a substantially horizontally disposed undersurface with a free side edge and a vertical inner surface, a hanger depending from said member at a portion in substantially diametrically opposed relation to the portion supporting the boom and alongside of said free edge, a roller on said hanger positioned to engage and ride on said track surface to cooperate with said pin and the support therefor to prevent tilting of said member toward said boom supporting portion and a part on said hanger positioned to engage said inner track surface opposite the free side edge and hold the hanger against displacement radially of the track.

2,408,379
PRESS
Luther F. Day, Hawthorne, Calif., assignor to North American Aviation, Inc.
Application August 7, 1944, Serial No. 548,383
1 Claim. (Cl. 100—70)



In a press, a frame, a ram adapted to have linear reciprocating movement with reference to said frame, a toggle comprising a pair of arms pivotally joined to each other, the remote ends of one of said arms being attached to a trunnion member which is journaled in said frame, the remote end of the other arm being pivoted to said ram, a double acting pneumatic servo motor linked to the pivotal joint between said arms, air circulating means for delivering air under pressure to one end of said servo motor while exhausting air from the opposite end thereof, and means for reversing the flow in said circulating means at predetermined limits of reciprocating movement of said servo motor, comprising a valve having an oscillating valve element comprising an extension of said trunnion and receiving movement therefrom.

2,408,380
BOTTLE DISPENSING APPARATUS
Luther D. Dennis, Comanche, Okla., assignor, by mesne assignments, to Portable Elevator Mfg. Co., Bloomington, Ill., a corporation of Illinois
Application July 26, 1943, Serial No. 496,205
1 Claim. (Cl. 312—48)

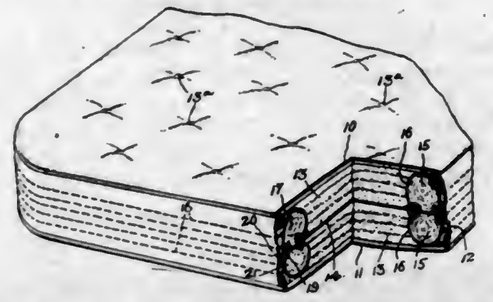


In a bottle dispensing apparatus, a bottle compartment comprising a plurality of tiers of bottle dispensing chutes arranged one above the other, successive tiers being oppositely inclined, each tier including a plurality of parallel bottle chutes, the lowest chute of each upper tier communicating at its lower end with the upper end of the uppermost chute of the tier beneath, and a vertical chute connecting the lower ends of the chutes of each upper tier with the upper end of the upper chute in the tier below.

2,408,381
RESILIENT FILAMENTS
Frederick G. Dodge, La Vale, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 6, 1943, Serial No. 505,165
7 Claims. (Cl. 8—131)

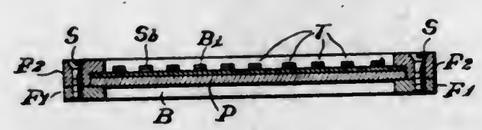
1. Process for the production of voluminous, permanently crimped artificial staple fibers, which comprises immersing relaxed, unstretched and unassociated dry-spun staple fibers, having a basis of an organic derivative of cellulose and prepared from filaments spun without any tension being exerted thereon, in an aqueous liquid medium containing a water-soluble swelling agent having at least a softening action on the organic derivative of cellulose, removing excess liquid from the staple fibers, immersing the staple fibers in water at a temperature of about 150 to 160° F., removing the water from the staple fibers and drying the staple fibers, whereby voluminous, permanently crimped staple fibers are produced.

2,408,382
MATTRESS
Michael Dubick, Chicago, Ill., assignor to The Englander Company, Inc., Chicago, Ill., a corporation of Delaware
Application August 9, 1943, Serial No. 497,912
4 Claims. (Cl. 5—360)



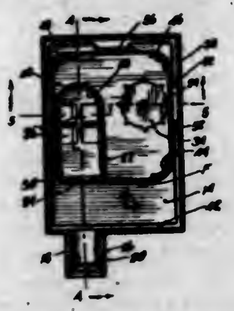
1. In a mattress, the combination of spaced cover members, a border member secured to said cover members and extending therebetween, an intermediate sheet dimensioned to extend through the mattress between and substantially parallel to said cover members, a pair of elongated rolls extending lengthwise along the inner surface of said border member at opposite sides of said sheet, and means for securing said rolls and said intermediate sheet jointly to said border member.

2,408,383
ELECTRIC DISCHARGE DEVICE
John Evans, Palmyra, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 30, 1941, Serial No. 408,961
6 Claims. (Cl. 250—167)



1. An image cathode adapted to respond to rays below the visible spectrum, said cathode comprising an electrically conducting surface having a multiplicity of discrete elemental areas thereon formed of a plurality of superimposed layers constituted of different metals selected from the thermoelectric series.

2,408,384
FILM VIEWING DEVICE
Robert W. Farrell, New York, N. Y.
Application January 20, 1945, Serial No. 573,651
2 Claims. (Cl. 88—17)

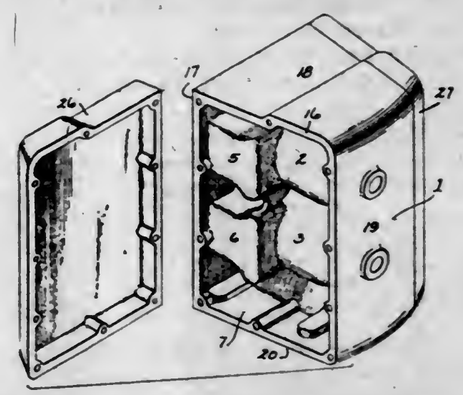


1. A film viewing device comprising a casing having a removable cover at one side thereof, means within said casing for mounting an endless film insertable edgewise into said casing through the open side thereof when the cover is removed, a light compartment within said casing and positioned therein so that the film travels around said light compartment externally thereof when said film is moved for the viewing of successive portions thereof, said light compartment having a light outlet opening closed by the film when the latter is mounted in said casing, said compartment having a peripheral wall extending in the direction of the width of the film and laterally between said cover and the side of said casing which is opposite said cover, said light-compartment having a light-inlet opening in the plane of one of said sides of the casing, said casing having a peripheral wall provided with a viewing opening in registry with said light outlet opening in spaced relation thereto, and means for moving said film across said openings in the space therebetween.

2,408,385
DRILL LUBRICANT
Edmund L. Flood, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
No Drawing. Application April 16, 1945, Serial No. 588,733
9 Claims. (Cl. 252—41)

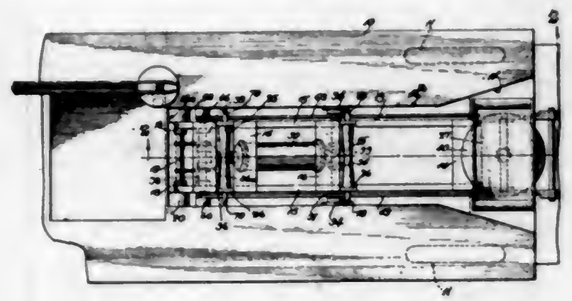
1. A drill lubricant composition comprising, on a weight basis, from 45 to 52% of a soda base grease, 38 to 43% of paraffin wax having a melting point of at least about 143° F., 8 to 12% of turpentine and 0.25 to 0.5% of aluminum stearate.

2,408,386
ENGINE AND ENGINE COOLING METHOD
John F. Furry, Galesburg, Ill., assignor to Outboard Marine & Manufacturing Company, Galesburg, Ill., a corporation of Delaware
Application November 4, 1944, Serial No. 561,956
19 Claims. (Cl. 123—173)



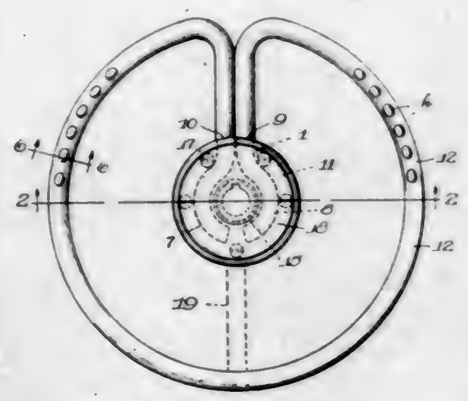
7. In an engine, the combination with a plurality of horizontal cylinders having intake manifold means at one side and exhaust means at the other, of a jacket faced to provide a crank case connection for said cylinders and extending above said cylinders and across their ends and beneath said cylinders back to said connection, partition webs connecting the jacket with the top of the upper cylinder and with the bottom of the lower cylinder, said partition webs being ported above and below the cylinders to afford restricted communication between jacket cavities at opposite sides thereof, a removable closure for a jacket cavity at the intake side of the cylinders, said closure embracing said manifolds, a jacket closure for the cavity at the exhaust side of said cylinders, and means for supplying coolant to the last mentioned cavity and discharging coolant therefrom.

2,408,387
TIMBER SETTING MACHINE
Harry S. Gay, Mount Gay, and Thomas V. Maynard, Williamson, W. Va.
Application February 1, 1945, Serial No. 575,706
9 Claims. (Cl. 214—130)



1. A timber setting machine comprising a truck having a flat bed provided with an elongated slot extending longitudinally of and through the bed with one end opening through the rear end of the bed of the truck, a hoisting arm normally housed within the slot, means pivotally mounting the inner end of the arm within the inner end of said slot, means for raising the free end of the arm, a saddle pivotally mounted on the free end of said arm and adapted to receive and support a timber, a seat at the outer end of the slot and supporting the saddle in a horizontal position, and a rod having a bent end pivoted on a side wall of the slot, the other end of said rod having pivotal connections with the saddle so that when the arm is raised the saddle will be maintained in a horizontal position.

2,408,388
STEERING WHEEL
Harry F. George, Chicago, Ill.
Application February 12, 1944, Serial No. 522,049
1 Claim. (Cl. 74—552)

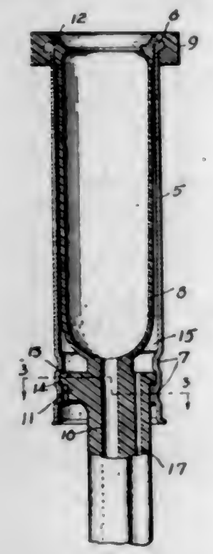


In a steering wheel, an elongated metal tubular rim having a circular portion and inwardly extended end portions, means for detachably securing said end portions together, said rim having an elongated slot in its bottom side, and a yieldable ornamental thermoplastic resin covering snugly fitting around the exterior surface of the rim, said covering having in its bottom wall an elongated rib fitting into the slot of the rim, and being of a nature enabling pulling it longitudinally over the rim.

2,408,389
N,N-DIETHYLBENZAMIDE AS AN INSECT REPELLENT
Samuel I. Gertler, Washington, D. C., assignor to United States of America, as represented by Secretary of Agriculture
No Drawing. Application September 4, 1944, Serial No. 552,665
4 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insect repellent composition comprising N,N-diethylbenzamide incorporated in a carrier selected from the group consisting of a dusting powder and a suitable non-toxic solvent.

2,408,390
TEAT CUP FOR MILKING MACHINES
Frederick A. Gessler, Des Moines, Iowa, assignor, by mesne assignments, to Globe Milker, Inc., Des Moines, Iowa, a corporation of Illinois
Application December 29, 1944, Serial No. 570,436
4 Claims. (Cl. 31—85)



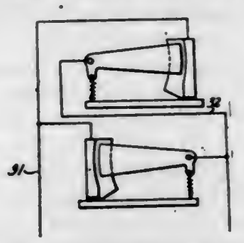
1. In a teat cup, the combination with a tubular casing of cylindrical shape having a peripheral bead at on end, and axially spaced, inwardly extended annular ridges adjacent its opposite end, of an integrally formed flexible liner having an enlarged head portion with an annular undercut recess adapted to receive said peripheral bead, and including a base member comprised of a milk tube, a pulsation tube and an annular projection, said projection comprising two portions of different thicknesses transversely of the liner, with the portion of greater thickness having a diameter substantially equal to the inner diameter of said casing so that the peripheral edges thereof is adapted to abut against one of said annular ridges, and the portion of lesser thickness constituting a reinforcing structure to prevent undesirable distortion of the projection when in operative position with one of said ridges, with said two tubes being terminated substantially at said projection and extended therethrough.

4. In a teat cup of the type described comprising a tubular outer casing of a straight cylindrical shape having the openings a the opposite ends thereof of substantially the same size, and an inner flexible liner which is maintained in operative position relative to the casing by friction means, said friction means comprising a series of parallel beads on said casing adjacent one end thereof, an annular projection on the liner having a diameter substantially equal to the inner diameter of said casing, and a peripheral portion on said projection adapted to frictionally engage a side surface of one of said beads to hold the liner in operative position within the casing.

2,408,391
KETONE AMINOINDAN CONDENSATION PRODUCT
Carlin F. Gibbs, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application January 11, 1944, Serial No. 517,901
9 Claims. (Cl. 260—283)

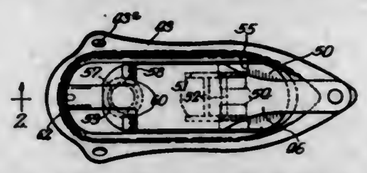
1. The product obtained by condensing a ketone with a primary aminoindan in the presence of an acidic condensation catalyst, said aminoindan having the amino group directly attached to a carbon atom of the aromatic ring and having a hydrogen atom attached to at least one of the adjacent nuclear aromatic carbon atoms.

2,408,392
VIBROMETER
Donald E. Gillum, Hermosa Beach, and Charles J. Gallant, Brentwood Heights, Calif., assignors to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application November 29, 1941, Serial No. 421,078
5 Claims. (Cl. 177—311)



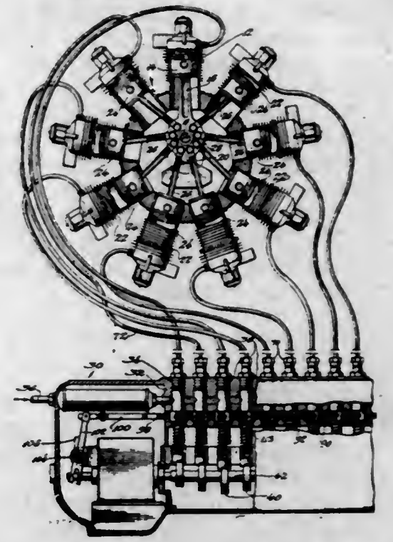
1. A vibrometer comprising a base adapted to be placed adjacent a vibrating body, a pair of variable condensers connected in parallel mounted on said base and including a pair of stators and a pair of rotors, and means for seismically supporting the rotors with respect to the stators so that vibrations transmitted to the base will produce relative movement of the rotors the stators and rotors being so positioned that vibrational forces in a direction perpendicular to the plane of the base cause the capacities to increase or decrease simultaneously while torsional vibrations will increase the capacity of one condenser when decreasing the capacity of the other.

2,408,393
FLASHLIGHT
Joseph A. Gits and Jules P. Gits, Chicago, Ill.
Application January 20, 1944, Serial No. 518,942
20 Claims. (Cl. 200—60)



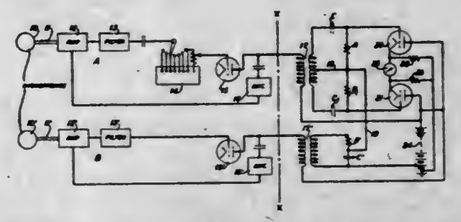
1. In a device of the class described, a waterproof casing, electric conductors therein arranged for connection with opposite terminals of a source of current supply housed in said casing and having portions in close proximity with each other, and switching means including contacts to make and break the circuit between said portions said contacts being exposed externally of said casing, a flexible waterproof layer overlying said contacts and in waterproof relation with said casing, and operating mechanism on the exterior of the casing to operate said contacts by pressure through said flexible layer.

2,408,394
DIESEL ENGINE AND METHOD OF OPERATING SAME
Constantine N. Guerasimoff, Harvey, Ill., assignor to The Buda Company, Harvey, Ill., a corporation of Illinois
Application December 23, 1942, Serial No. 469,854
9 Claims. (Cl. 123—55)



4. That method of eliminating over-heating of the master cylinder of a multi-cylinder fuel injection engine having a master connecting rod assembly, which comprises reducing the fuel supply to the master cylinder, increasing the fuel supply to the other cylinders by an amount sufficient to compensate for the reduced power of the master cylinder, and maintaining the same relationship between the quantity of fuel supplied to the master cylinder and the quantity of fuel supplied to each of the other cylinders throughout all conditions of engine operation.

2,408,395
OBJECT LOCATING SYSTEM
James B. Hays, Jr., Summit, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 26, 1944, Serial No. 532,697
5 Claims. (Cl. 177—386)



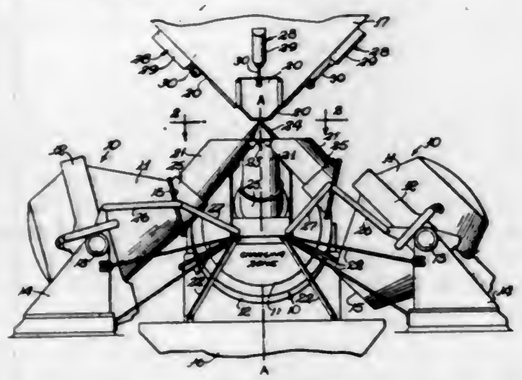
1. A system for indicating the direction of an object from which wave energy emanates, comprising spaced receivers adapted to translate said wave energy into electrical energy, an electrical channel for each of said receivers respectively,

means for producing a phase shift of substantially 90 degrees between the signal voltages in said respective channels, means for combining said signal voltages to obtain sum and difference vectors, said last means comprising a pair of electron tubes each including a control grid, a cathode, and an anode, and circuit means for connecting both control grids to said phase shift means, each anode to the other, and each cathode to the other through a pair of serially connected resistors whose common junction point is at ground potential, and means for variably delaying transmission in one of said channels.

2,408,396
PROCESS FOR ACTIVATING CATALYSTS
George Frederick Horsley, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 8, 1944, Serial No. 534,694. In Great Britain April 29, 1943
11 Claims. (Cl. 252—239)

5. A process for the activation of platinum-containing catalysts suitable for the oxidation of sulphur dioxide to sulphur trioxide comprising treating the catalyst at a temperature not exceeding 20° C. with an aqueous solution prepared by the interaction of sulphur dioxide and metallic iron in the presence of water.

2,408,397
MIXING PLANT
Charles H. Johnson, Champaign, Ill., assignor to The C. S. Johnson Company, Champaign, Ill., a corporation of Illinois
Application September 18, 1941, Serial No. 411,362
5 Claims. (Cl. 259—152)



1. A concentric zone concrete mixing plant comprising, in combination, a battery of three or more mixers each having a charging opening therein and all disposed with said openings facing generally inward toward a common center, a plurality of stationary charging chutes leading upwardly and inwardly from points adjacent the charging openings of corresponding ones of said mixers to points adjacent a vertical axis coincident with said common center, all of said charging chutes terminating in open upper ends or mouths lying substantially in a common horizontal plane, an aggregate collecting hopper disposed above said chutes and shaped to taper downwardly to a small lower end located substantially on said axis, said hopper having a plurality of outlet openings distributed circumferentially about its lower portion and disposed in alinement with the upper ends of respective ones of said chutes, individually operable closures for said outlet openings, and an upwardly projecting baffle structure disposed beneath the lower end of said hopper and centrally between the upper ends of said chutes, said baffle presenting side faces sloping downward toward the mouths of respective ones of said chutes.

2,408,398
MULTIPLE EXTRUSION
Theodore L. Johnson, St. Louis, Mo.
Application July 24, 1943, Serial No. 496,258
20 Claims. (Cl. 18—13)



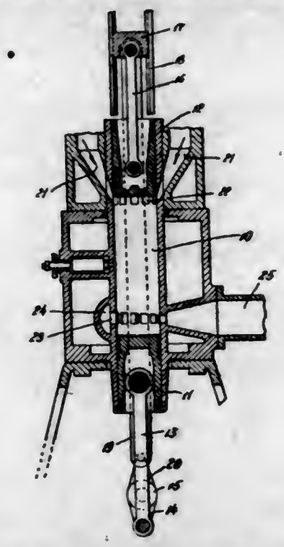
6. In plastic extrusion apparatus for forming a composite elongate article, an extrusion nozzle, means for supplying the nozzle with a plastic material under pressure, a passageway beyond the nozzle, and a combined cutoff gate and charging device for insert elements arranged for movement substantially crosswise of the passage, the gate adapted periodically to interrupt the flow of plastic material therethrough, and to bring an insert element into the line of flow in said passageway, and means for causing an effective actuation of said gate element, in response to a predetermined extent of movement of the plastic material through said passageway, said gate element being formed and normally positioned to permit a substantially uninterrupted flow through the passageway between the periods of said interruption of flow.

18. The herein described method of forming, as a subtantially continuous process, capped, cored, rod-like elements, each of predetermined length, which method consists in simultaneously extruding into a common forming passageway, a self-hardening plastic material to form the bodies of the elements, and a plastic material to constitute the cores of the elements, in the form of a material of self-hardening characteristics, and periodically, responsive to a predetermined length of flow of the body-forming materials through said passageway, introducing a cap element into said passageway, keying the cap element to the body of plastic in the passageway while the body is in plastic state, and timing the insertion of said cap element into said passageway, responsively to length of flow of material forming the bodies of the elements, in said passageway.

2,408,399
INTERNAL-COMBUSTION ENGINE
Michel Kadenacy, Summit, N. J.
Application November 3, 1944, Serial No. 561,689
9 Claims. (Cl. 123—51)

7. In an internal combustion engine of the two-cycle type having a cylinder and a piston, the combination of inlet means admitting gases into the cylinder, exhaust means including ports in the cylinder wall arranged in a circumferential series, a chamber encircling the cylinder at the ports and in communication with the ports, and an exhaust pipe leading from one end of the chamber, the exhaust ports being formed to direct the shock transmitted to the gases within the cylinder by exhaust gases outside the cylinder in their backward movement toward the cylinder to cause a rotational movement of the gases within

the cylinder, and the ports being arranged to be opened successively by the piston, beginning with



the port farthest along the chamber from the exhaust pipe.

2,408,400
FLINT ALLOY
Henry Kent, New York, N. Y.
No Drawing. Original application July 24, 1942, Serial No. 452,204. Divided and this application July 19, 1945, Serial No. 606,025
2 Claims. (Cl. 75—152)

1. An alloy for flints consisting of approximately 300 parts in weight of misch-metal, 75 to 100 parts of iron, about 5 parts of copper, some magnesium and small quantities of silver, nickel and chromium, said magnesium being present in quantities up to approximately 2% and said quantities of silver, nickel and chromium together being less than 2% in weight of the alloy.

2,408,401
VEHICLE TRAILER
Edward F. King, Oak Park, Ill., assignor of one-half to Richard C. Helders, Chicago, Ill.
Application April 7, 1941, Serial No. 387,196
11 Claims. (Cl. 280—1)

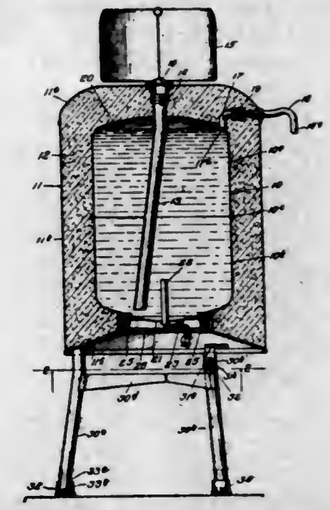


1. In a trailer of the character described adapted for moving heavy machinery and the like, a trailer body adapted to be connected to a motor vehicle at its forward end, means including a removable wheel assembly for normally supporting the rear end of said trailer body in a raised position above the ground, and means including a power drive means carried by said wheel assembly and removable therewith for lowering said rear end of the body into supporting engagement with respect to the ground and lifting said end from said lowered position to said raised position.

2,408,402
TRICHLOROETHYLENE COPOLYMERS
Harold Wilfred Arnold, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 3, 1941, Serial No. 373,036
1 Claim. (Cl. 260—84)

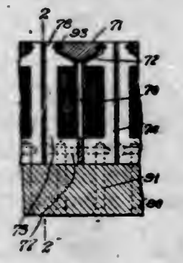
A copolymer of trichloroethylene and methyl methacrylate containing approximately 13.8% trichloroethylene and approximately 86.2% methyl methacrylate.

2,408,403
WATER HEATER
Henry B. Babson, Chicago, and Chester A. Thomas, Crystal Lake, Ill., assignors, by mesne assignments, to Losee Products Co., a corporation of Illinois
Application March 1, 1944, Serial No. 524,538
15 Claims. (Cl. 219—38)



1. A water heater of the character described, including: an inner tank having an opening of substantial area in the bottom thereof; a heat-insulating enclosure for said tank, the enclosure having a well registering with said opening; and an inwardly and upwardly extending bottom forming a depression; a hinge member secured to said bottom in said depression; a closure member adapted to be received in said well and to make sealing engagement with said tank to close said opening; an electrical heating element mounted in said closure member; thermostat control means mounted in said closure member, whereby all electrical elements are readily removable as a unit with the closure member; and a base portion for tiltably supporting the device and having a pivotal connection with said hinge member.

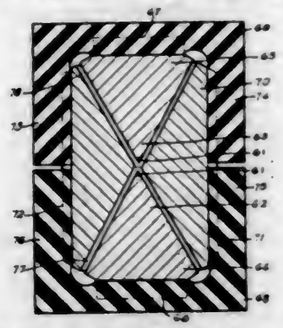
2,408,404
COMPRESSIONAL WAVE TRANSMITTING AND RECEIVING APPARATUS
Laurence Batchelder, Cambridge, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application May 19, 1933, Serial No. 671,870. Divided and this application March 13, 1934, Serial No. 715,349. Renewed September 19, 1938.
15 Claims. (Cl. 177—386)



1. Means for producing a beam of compressional waves comprising a plurality of parallel

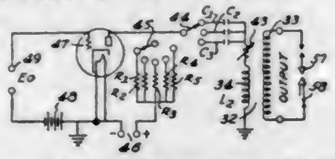
elongated plates having magnetostrictive strips attached to the same, means including said magnetostrictive strips for vibrating said plates at the desired frequency, means clamping said strips at the ends opposite the plates, said strips being tuned to resonance for the desired frequency of vibrations transverse to the long dimension of the strip.

2,408,405
ELECTRICAL APPARATUS
Hugo Benioff, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application October 23, 1940, Serial No. 362,434
9 Claims. (Cl. 250—37)



1. A short wave spark tank circuit oscillator comprising a pair of metallic cones having aligned axes and arranged with the points facing each other, conductive means having a surface surrounding the conical surface of said cones opposed and spaced near thereto and insulating means supporting said cones and said means.

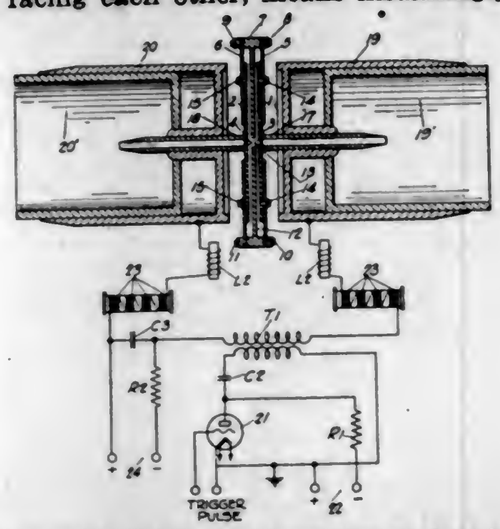
2,408,406
ELECTRICAL APPARATUS
Hugo Benioff, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application April 30, 1941, Serial No. 391,153. Divided and this application October 8, 1941, Serial No. 414,133
3 Claims. (Cl. 250—37)



1. An ultra-high frequency electromagnetic spark oscillating system, comprising, in combination, an electromagnetic spark oscillator, a charging circuit comprising a power source, an air core transformer having its secondary connected to said spark oscillator, a condenser and a resistor all in series with each other, a grid controlled gaseous discharge tube having its anode connected through said resistance to said power source on one side thereof and its cathode to said power source on the other side thereof and means for supplying a potential to said grid at predetermined times to operate said circuit.

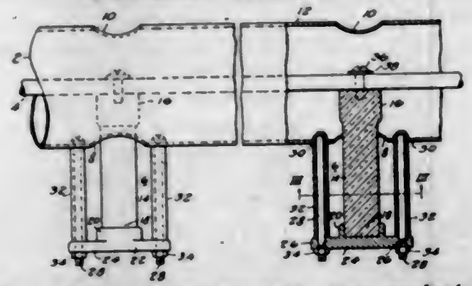
2,408,407
HIGH-FREQUENCY APPARATUS
Hugo Benioff, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application July 10, 1942, Serial No. 450,451
11 Claims. (Cl. 315—39)

1. In an ultra short wave oscillatory spark circuit, in combination, two flat plates spaced with their face surfaces in closely opposed relationship with each other, electrodes centrally positioned in opposing relationship on said plates and facing each other, means insulatingly sup-



porting said plates in said position and an insulating sheet positioned midway between the faces of said two plates, said insulating sheet having a perforation in alignment with said electrodes.

2,408,408
HIGH VOLTAGE, HIGH POWER CONCENTRIC TRANSMISSION LINE
Ashley P. Bock, Catonville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 9, 1944, Serial No. 525,688
5 Claims. (Cl. 174—28)

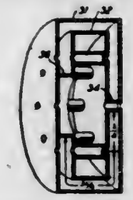


1. An alternating-current transmission line comprising an outer hollow tubular conductor having a hole in its tubular wall, an inner tubular conductor spanning said hole, means for supporting said inner conductor inside and insulated from said outer conductor, said means comprising an insulator device passing through and clearing said hole, means for securing an outer end of said insulator device to said outer conductor, said insulator device having an inner end at said inner conductor, and clamping means on said inner insulator end, for securing and positioning the portion of said inner conductor associated therewith, said clamping means comprising a clamping member releasably clamping the conductor to said insulator device.

2,408,409
ULTRA HIGH FREQUENCY ELECTRONIC DEVICE
Arnold E. Bowen, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 8, 1941, Serial No. 387,432
14 Claims. (Cl. 315—5)

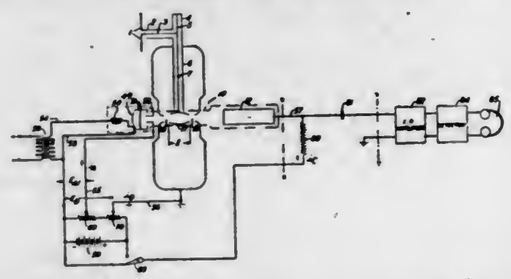
1. A resonator comprising a hollow cylindrical shell of conductive material substantially closed

by plane conductive end plates, and a coaxial cylindrical conductive core of slightly shorter length and slightly smaller diameter than said shell, said core being positioned within said shell



and spaced therefrom by means comprising coaxial cylindrical conductive spacers at either end of said core, said spacers being of materially different radius at the two ends of the core.

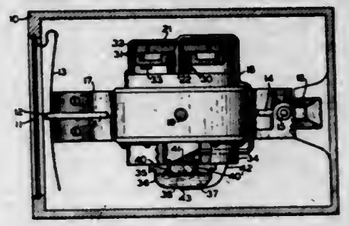
2,408,410
FREQUENCY CONVERTER
John W. Clark, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 19, 1941, Serial No. 398,757
7 Claims. (Cl. 315—5)



1. In a frequency converter, an oscillator comprising a resonating chamber for ultra-high frequency waves, a drift tube enclosed within said chamber, and said chamber walls and said drift tube having aligned apertures, means for directing a stream of electrons through said apertures whereby said electron stream is velocity varied by electromagnetic waves within said chamber, and means for adjusting the transit time of the electrons traversing said drift tube to initiate and sustain said oscillations; means for impressing between said drift tube and said chamber walls a wave having a frequency comparable to but different from the frequency of said oscillations whereby a second velocity variation is superposed upon said electron stream, and means non-linearly responsive to velocity variations of said electron stream, operative upon a doubly velocity-varied portion of the stream.

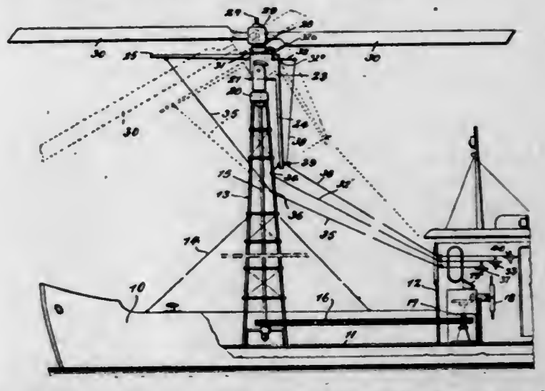
2,408,411
ERECTING MEANS FOR GYRO VERTICAL INSTRUMENTS
Robert S. Curry, Jr., Baldwin, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Continuation of application Serial No. 448,980, June 29, 1942. This application August 16, 1944, Serial No. 549,712
17 Claims. (Cl. 74—5)

1. Erecting means for gyro vertical instruments having a gyro rotor bearing case comprising a motor mounted on the case, having a polyphase wound type stator and a gravitationally unbalanced, single phase wound type rotor, a source of electrical energy for said motor, and a vertical reference maintaining switching means responsive to tilt of the case for effecting selective energization of the windings of said poly-phase wound type stator to move said gravitationally unbalanced rotor to a position in which



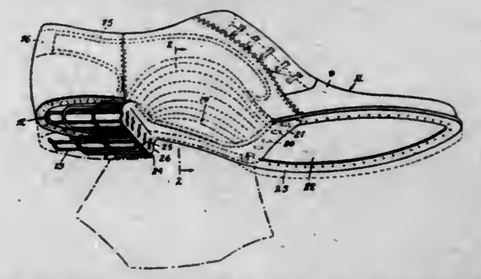
the same is effective to exert a tilt correcting torque on the instrument.

2,408,412
PROPULSION AND STABILIZATION OF WATERCRAFT AND THE LIKE
Horace M. Dobbins, Pasadena, Calif.
Application February 16, 1944, Serial No. 522,628
1 Claim. (Cl. 114—39)



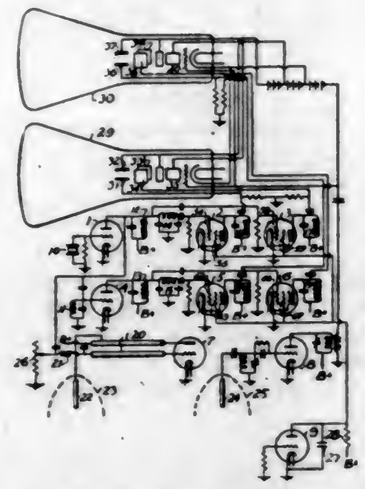
A craft of the character described comprising a hull, an upright mast carried by the hull, a rotatable shaft supported by the mast, a forked yoke mounted on the shaft, the arms thereof being extended upwardly, a hub support pivoted between the arms of the yoke and having a stud shaft thereon having a neutral vertical position at a medial position of the pivotal movement of the hub support, an aerofoil having a hub revoluble on the stud shaft, means to rotate the rotatable shaft and associated yoke at will, consisting of a remote manual control, said hub support comprising arms disposed at an angle of 90 degrees to each other, remotely operable means associated with respective arms to tilt said hub support from said medial position to variable angles at will, and a brake means on the stud shaft remotely operable at will.

2,408,413
SUPPORTING FRAME FOR ARTICLES OF FOOTWEAR
William H. Doherty, Elmhurst, N. Y.
Application January 17, 1945, Serial No. 573,176
5 Claims. (Cl. 36—8.5)



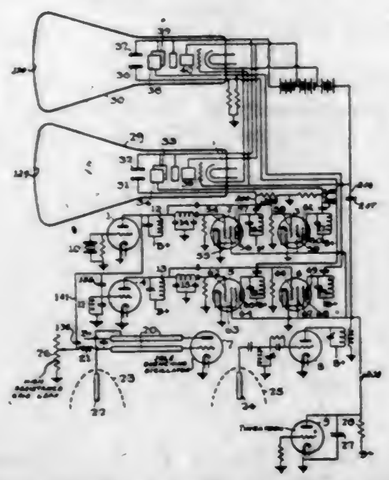
1. A supporting frame for an article of footwear, said frame comprising a unitary wire member wound in labyrinthine fashion to form interconnected heel, shank, arch and counter parts.

2,408,414
ABSOLUTE ALTIMETER
Charles A. Donaldson, Del Rio, Tex.
Application June 19, 1939, Serial No. 279,949
5 Claims. (Cl. 315—24)



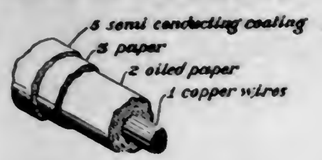
1. In an indicator for use in an absolute altimeter or for indicating phase differences between any cyclically recurrent voltages, a timing oscillator having either the same frequency or some subharmonic of the frequency of the voltage to be examined for the phase difference between it and the timing frequency, a 90 degree phase shift circuit, a device to vary cyclically the resultant quarter-phase voltage from zero to maximum, a cathode-ray tube with a high negative bias on the grid, with the deflection plates connected to said quarter-phase circuit so that the electron beam traces a series of spirals, a sharp pulse generating device controlled by the voltage to be examined and connected so as to apply a sharp positive pulse to the grid of the cathode-ray tube overcoming the negative bias and causing a bright spot to appear at a certain point for each $360 \times N$ degrees of rotation of the electron beam, where N is a whole number, and, as the diameter of the electron beam spiral varies cyclically from zero to maximum, traces a radial line from the center to the periphery of the screen.

2,408,415
DISTANCE GAUGING AND LIKE APPARATUS
Charles A. Donaldson, Del Rio, Tex.
Application February 11, 1942, Serial No. 430,464
14 Claims. (Cl. 250—1.66)



6. In radio apparatus, a receiving antenna for receiving periodic pulses of oscillations of high frequency, a principal oscillator and an auxiliary oscillator, said oscillators having frequencies which differ by a frequency which is the frequency of said periodic pulses, a cathode-ray tube having a first set of electrodes connected to said principal oscillator, a detector connected to said receiving antenna, a mixer tube having a first control electrode connected to the output of said detector and further having a second control electrode connected to said auxiliary oscillator, and electronic means adapted to produce a sharp voltage pulse connected between the output of said mixer tube and a second electrode of said cathode-ray tube.

2,408,416
SEMICONDUCTING COMPOSITION
Donald E. Edgar, Westport, and David J. Sullivan, Fairfield, Conn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 18, 1944, Serial No. 522,979
15 Claims. (Cl. 174—102)



1. A semi-conducting coating composition particularly adapted for the manufacture of high tension electric cables comprising a resinous vehicle containing a non-drying oil modified alkyd resin, a polyvinyl acetal resin, a urea-formaldehyde resin and a carbon black having electrical resistivity of less than about 1.0 ohm per 1" cube in the proportion of between about 0.25 and 4 parts by weight of said resinous vehicle to 1 part of said carbon black.

9. An electric cable comprising an insulated conductor having an outer layer of a composition containing the composition of claim 1.

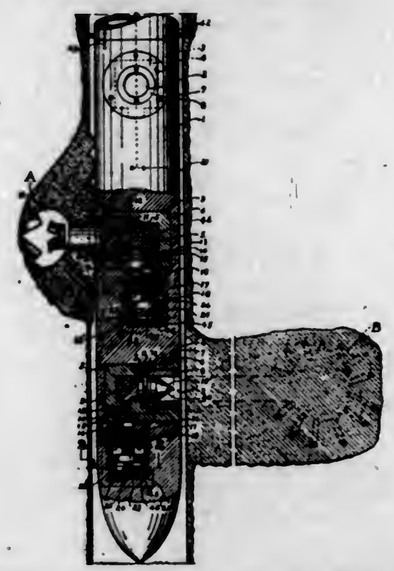
2,408,417
TANNING AGENTS AND METHODS OF TREATING HIDES AND SKINS THEREWITH
William C. Ellenbogen, York, Pa.
No Drawing. Application April 15, 1944, Serial No. 531,294
7 Claims. (Cl. 8—94.26)

5. The process of tanning hides or skins which comprises treating them with an aqueous solution containing an iron salt, a substance selected from the group consisting of the salts of hydroxy mono and polycarboxylic acids and polycarboxylic acids having at least one double linkage, and a substance selected from the group consisting of the salts of amidines of higher fatty acids and derivatives of such amidines in which at least one of the hydrogen atoms attached to nitrogen is replaced by an aliphatic radical.

2,408,418
FRUIT TREATMENT
Arvid M. Erickson, San Jose, and John D. Ryan, Campbell, Calif., assignors to Barron-Gray Packing Company, San Jose, Calif., a corporation of California
No Drawing. Application September 11, 1942, Serial No. 457,976
13 Claims. (Cl. 127—46)

1. In the process of preparing a sweetening medium from fruit, the steps which comprise adding an acidic material to a composition obtained by grinding fruit material and comprising the sweetening ingredients of the fruit together with acids and ash-forming materials of the fruit, said acidic material being added in an amount sufficient to materially reduce the pH of the fruit composition and to produce an improved color in the clear liquid obtained as hereinafter set forth, then adding an alkaline defecating agent in an amount sufficient to increase the pH of the fruit composition to substantially the pH above 10 at which a break occurs and which results in the formation subsequently of a granular, readily filterable and washable precipitate, then when the reaction at this pH is complete, adding an acid defecating agent in an amount sufficient to reduce the pH to a pH below about pH 9.2 at which said granular, readily filterable and washable precipitate is formed, and thereafter separating the precipitate so formed to leave a clear liquid, said composition being maintained at a temperature below about 54° C. at least during the time when it has a pH above about 9.2.

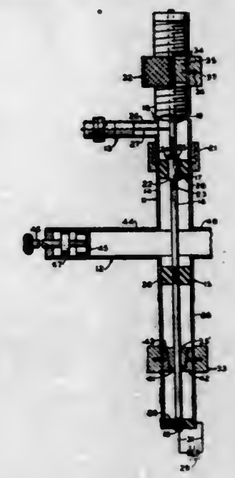
2,408,419
WELL EXPLOSIVE DEVICE
James Lewis Foster, Wichita Falls, Tex.
Original application March 17, 1939, Serial No. 262,531. Divided and this application December 2, 1942, Serial No. 467,657
9 Claims. (Cl. 89—1)



1. In a well having a bore hole projecting into a surrounding fluid-bearing earth formation, the combination of a well casing projecting said bore to a point spaced above the lower end of the bore, an explosive device suspended within the bore, an explosive projectile carried by said device, and means on the explosive device for discharging the explosive projectile into said surrounding fluid-bearing earth formation at a point below the casing to increase the exposed area of the fluid-bearing formation.

2,408,420
FREQUENCY MULTIPLIER
Edward L. Ginzton, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application January 13, 1944, Serial No. 518,054
21 Claims. (Cl. 172—281)

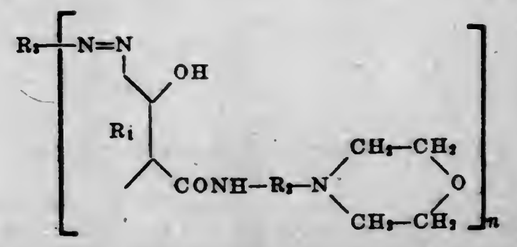
14. A microwave frequency multiplier comprising a hollow pipe wave guide, first and second tubular conductors connected to said wave guide and extending in opposite directions therefrom, a further conductor extending through said first tubular conductor, said wave guide and said second tubular conductor and forming with said first and second tubular conductors, first and second coaxial transmission lines coupled to said wave guide, a first crystal rectifier positioned within said first tubular conductor and connected in series with said further conductor, a second crystal rectifier positioned within said second tubular conductor and connected in series with



said further conductor, means for applying to said further conductor intermediate said first and second crystal rectifiers ultra high frequency energy of a wavelength longer than the cut-off wavelength of said wave guide, movable means in said first tubular conductor for providing an ultra high frequency current path between said first tubular conductor and said further conductor, and movable means in said second tubular conductor for providing an ultra high frequency current path between said second tubular conductor and said further conductor.

2,408,421
WATER INSOLUBLE AZO DYESTUFFS CONTAINING AN N-MORPHOLINO-ARYLIDE GROUP
Harry Wilhelm Grimmel, Easton, and Alfred Guenther, Riegelsville, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 19, 1944, Serial No. 559,478
6 Claims. (Cl. 260—152)

1. Water-insoluble azo dyestuffs of the general formula:



wherein R_1 represents a radical of the group consisting of the naphthalene, anthracene, carbazole, benzo-carbazole, diphenylene oxide, diphenylene sulfide, fluorene and fluorenone radicals; R_2 represents a radical of the benzene series linked directly through a carbon atom of the benzene ring with the nitrogen atom of both the

amido and morpholine groups; R_3 represents an aromatic radical, the radicals R_2 and R_3 being free from water-solubilizing groups, and n is one of the numbers 1 and 2.

2,408,422

METHOD OF PREPARING AND APPLYING A PATCH FOR A FOURDRINIER WIRE

Jesse A. Harris, West Linn, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada

Application October 29, 1943, Serial No. 508,222
1 Claim. (Cl. 140—3)



The method of patching the Fourdrinier wire in a paper-making machine comprising cutting a piece of woven wire fabric of finer mesh than the Fourdrinier wire to proper size to extend over the portion of the Fourdrinier wire to be patched, removing several "shute" wires from opposite ends of said piece so as to leave the warp strand ends projecting from the ends of said piece, bending down the alternate projecting warp strand ends, cutting off said bent-down warp ends and turning their stubs back against the under side of the adjacent "shute" wire to prevent said stubs from extending from the top surface of the patch, straightening out the kinks in said remaining projecting warp ends to facilitate their insertion in the meshes of the Fourdrinier wire, bending down the warp strand ends extending from the rear end of said piece until they are approximately at right angles to said piece, inserting the warp strand ends at the forward end of said piece through meshes of the Fourdrinier wire slightly ahead of the place to be patched by holding said patching piece against the Fourdrinier wire while positioned perpendicularly and transversely thereon, securing the forward end of said patching piece in place on the Fourdrinier wire by bending said forward warp strand ends back against the under side of the Fourdrinier wire in the direction opposite to the direction of Fourdrinier wire travel, tilting said patching piece back down on the Fourdrinier wire and inserting the bent-down warp ends at the rear of said piece through the Fourdrinier wire until the patching piece lies flat against the top face of the Fourdrinier wire, and securing the rear end of said patching piece in place by bending said rear warp ends back on the under side of the Fourdrinier wire in the direction opposite to the direction of Fourdrinier wire travel.

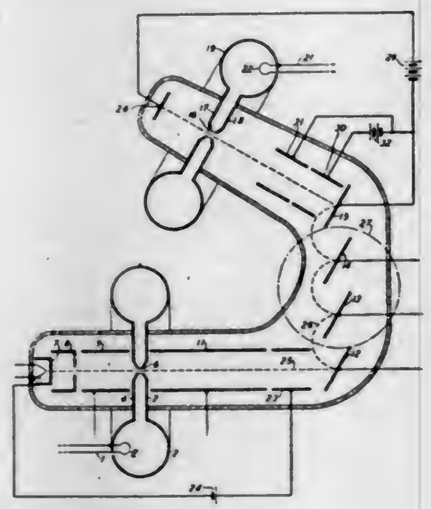
2,408,423

HIGH FREQUENCY AMPLIFYING APPARATUS

Ralph V. L. Hartley, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 5, 1941, Serial No. 377,430
7 Claims. (Cl. 250—175)

1. An electron discharge device comprising means for producing an electron beam, means positioned along the path of the beam for velocity varying the electrons of the beam, a secondary emission surface intercepting the path of the beam and adapted to emit secondary electrons in response to incident primary electrons, means also positioned along the path of the beam for setting up an opposing field in the path of the beam to slow down the electrons of the velocity varied beam and to direct the retarded beam against the secondary emission surface, whereby



a beam of secondary electrons is produced having density variations corresponding to those of the incident primary beam, and output means within the discharge device and positioned along the path of the secondary beam and electrically coupled thereto to abstract from the secondary beam energy corresponding to the density variations therein.

2,408,424

PICKLING STEELS

John J. Healy, Jr., Brookline, Maurice H. Taylor, Stoneham, and Furio A. Abbiati, Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application June 15, 1940, Serial No. 340,772
10 Claims. (Cl. 252—142)

6. The method of pickling stainless steels which comprises immersing them in an aqueous acid reacting non-electrolytic pickling bath comprising essentially water, mineral acid and active pickling agents consisting of ferric sulfate and an alkali fluoride, said sulfate being present in the bath in an amount varying between 1 and 30% and said fluoride being present in an amount varying between 0.6 and 25%, said bath being substantially free of nitric acid.

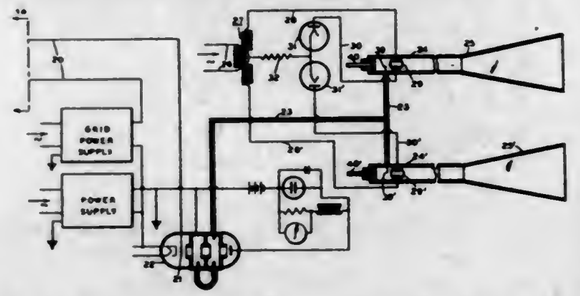
2,408,425

INSTRUMENT LANDING SYSTEM

Frederic A. Jenks, Mineola, Donald F. Folland, Hempstead, Abbott S. Maeder, Scarsdale, and William T. Cooke, Huntington, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application April 4, 1941, Serial No. 386,766
14 Claims. (Cl. 250—11)

3. In an instrument landing system of the character described, an ultra high frequency generator, a pair of audio oscillators of different frequency outputs, said oscillators having feedback means including grid controlled rectifiers, a source of A. C. supply connected for alternately energizing said grid controlled rectifiers whereby first one and then the other of said oscillators is rendered operative, means for modulating the output of said generator with the outputs of said oscillators, whereby the output of said generator is alternately modulated at different frequencies, a pair of electromagnetic radiation means, means connecting the ouput of said generator to said pair of radiation means including wave guide means and gas discharge tube means contained in said wave guide means and controlled from said source of A. C. supply for alternately supplying each of said radiation means with the output of said generator in synchronism with the alternate energization of said rectifiers.



14. A method of directing radio frequency energy from a source through one of a plurality of radio frequency energy wave-guides branching from said source to respective output circuits, said method comprising forming a reflecting curtain of ionized gas intermittently within one and then the other of said wave guides to direct said energy successively through said respective wave guides.

2,408,426

PREPARATION OF MODIFIED METHYL METHACRYLATE COMPOSITIONS

Frederick L. Johnston, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 12, 1943, Serial No. 472,161
2 Claims. (Cl. 260—83)

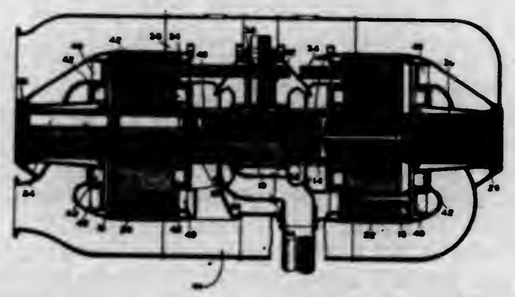
1. Process of preparing a modified methyl methacrylate composition which comprises polymerizing a dispersion of monomeric methyl methacrylate in water in the presence of 0.01% to 3.0% by weight of the monomer of trichloroethylene at a temperature of 100° C.–150° C. under autogenous pressure.

2,408,427

CYLINDER CONSTRUCTION

Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application May 11, 1943, Serial No. 486,615
13 Claims. (Cl. 309—2)



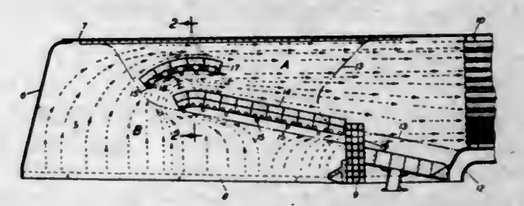
8. In a free-piston engine-and-compressor unit, a cylinder having right and left hand threads at the ends, and opposed heads for said cylinder having cooperating threads engaging the threads at the ends of the cylinder.

2,408,428

MEANS FOR RETARDING CINDER CUTTING

Walter B. Leaf, Denver, Colo.

Application March 2, 1943, Serial No. 477,778
5 Claims. (Cl. 110—87)



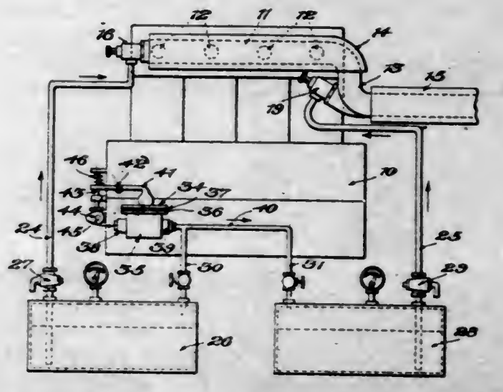
4. In a fire box having a lower grate section, a flue sheet at its rear end, a crown sheet forming an upper closure for the fire box, a main arch inclined upwardly and forwardly from a rear point of support adjacent the flue sheet and extending in undulating arrangement laterally of the fire box to bridge the same and divide its space into upper and lower combustion zones, and a deflector arch supported in overhanging relation to said main arch with a portion extending forwardly beyond the end of the main arch to divide the gases of combustion rising from said grate section prior to their passage between the main arch and the crown sheet, the surface of the deflector arch nearest the main arch being arranged in substantially parallel relation to said undulating contour of the main arch to cause the gases traveling between said surfaces to travel at substantially uniform velocity throughout the width of the fire box.

2,408,429

SMOKE SCREEN COMPOSITION AND THE METHOD OF DEVELOPING SMOKE SCREENS THEREFROM

Harold A. Levey, New Orleans, La., assignor to Alonzo C. Patterson, New Orleans, La.

Application May 6, 1942, Serial No. 441,989
10 Claims. (Cl. 252—305)



1. The method of developing a colored smoke screen comprising suspending solid inert pigment particles which maintain their predetermined pigment properties at temperatures varying between 500° and 800° F. in a volatile liquid capable of ready gasification on the application of heat with substantially no residue, said pigment particles being substantially insoluble in said volatile liquid, heating said mixture to gasify said liquid and form dry particles of pigment, and simultaneously subjecting the dry particles of pigment to the action of a moving gas containing

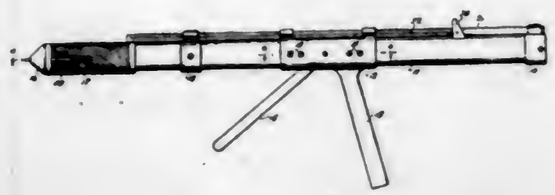
gasified particles of a smoke screen base inhibiting the wetting of the dry pigment particles, said gasified particles condensing on contact with the atmosphere, said moving gas and its gasified particles of the smoke screen base having a different color from that of the predetermined color of the pigment particles, said pigment particles upon incorporation in said gas forming a smoke screen in which the pigment particles maintain their predetermined color value and impart said color value to the smoke screen.

2,408,430
FRICTION COMPOSITION PRODUCT
Francis J. Lowey, Bay Village, and Charles H. Tower, Cleveland, Ohio, assignors to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio
Application April 4, 1944, Serial No. 529,490
6 Claims. (Cl. 75—22)



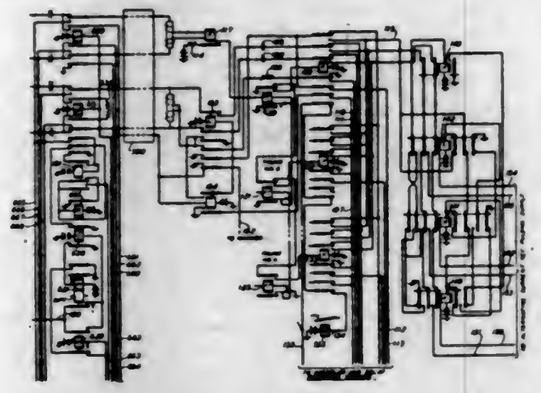
4. Friction brake and clutch facing material comprising sintered powdered material comprising a composition of copper as the major ingredient and tin, iron, silica, graphite, and molybdenum sulphide as the minor ingredients, said molybdenum sulphide being between 3 and 12% of the composition, said friction material being characterized by high coefficient of friction and low fade of the coefficient of friction with increasing slipping speed.

2,408,431
BLIND RIVETING APPARATUS
Oakley D. Lutes, Jackson, Mich., assignor to Seiden Pneumatic Tool Company, a partnership composed of Oakley D. Lutes and Emory Lutes
Application February 26, 1943, Serial No. 477,185
18 Claims. (Cl. 218—19)



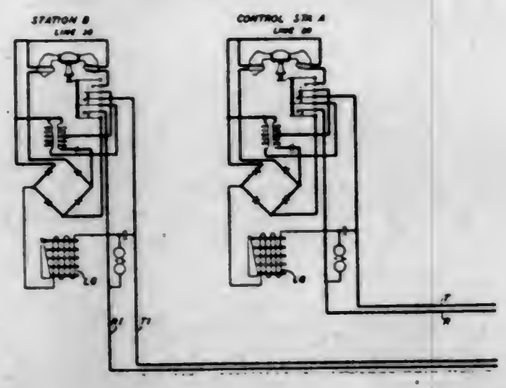
1. A blind riveting mechanism comprising a frame supporting therein a rivet magazine, a bifurcated anvil supported at one end of said frame and biased toward open position, a mandrel for expanding rivets, a wire, an actuating block therefor, said mandrel being supported by one end of said wire and said wire extending through said magazine and terminating in said actuating block, a rivet escape and brake mechanism including a detent, a rivet forwarding means including reciprocating pinchers for separating the foremost rivet from a series of rivets mounted on said wire, a reciprocable actuating mechanism operating to close said bifurcated anvil, to release said escape mechanism detent, and to actuate said pinchers, and means for engaging said actuating block to draw said mandrel toward and through said bifurcated anvil.

2,408,432
TELEPHONE SYSTEM
Martin E. Maloney, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 23, 1945, Serial No. 595,301
11 Claims. (Cl. 179—27)



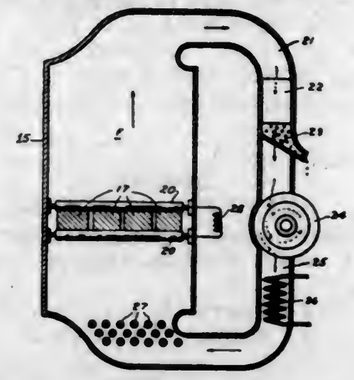
7. In a telephone system, a toll office, trunks incoming to said office, trunks outgoing from said office, said outgoing trunks arranged in groups, an overflow trunk individual to each group, means effective when all of a group of outgoing trunks are busy to connect a plurality of incoming trunks to the overflow trunks individual to said group of outgoing trunks, means to transmit an overflow signal over said overflow trunk to said plurality of incoming trunks, means responsive to one of said group of outgoing trunks becoming idle to transmit a reorder signal over said overflow trunk to said plurality of incoming trunks, means responsive to a recall over one of said incoming trunks to transmit an identification of said group of outgoing trunks to said one incoming trunk and means simultaneously effective to again transmit an overflow signal to the others of said plurality of incoming trunks.

2,408,433
TELEPHONE SYSTEM
William A. Malthaner, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 13, 1943, Serial No. 475,745
12 Claims. (Cl. 179—18)



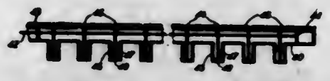
1. In a telephone system, a calling line, line extending means, line settable means, and a circuit for verifying the number of said line comprising one branch established by said line extending means and another branch established by said line settable means when set from said calling line in accordance with the number thereof.

2,408,434
METHOD AND APPARATUS FOR DRYING MATERIALS UNIFORMLY THROUGHOUT THEIR MASS
Julius W. Mann and George F. Russell, Tacoma, Wash.
Application March 2, 1942, Serial No. 432,936
10 Claims. (Cl. 34—1)



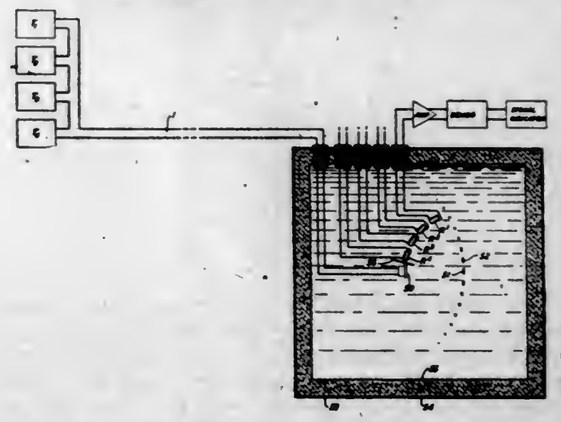
1. The herein described continuous process of drying material which comprises continuously moving the material through a zone containing radio waves that will pass through the material for raising the temperature within the material, controlling the temperature and relative humidity of the air surrounding the material as it passes through the zone for raising the surface temperature of the material in uniformity with the rise in temperature within the material to obviate the forming of moisture gradient in the material which will result in its cracking, the relative humidity of the air being lowered as the temperature of the material is raised for causing the vapor pressure within the material to exceed the vapor pressure in the air, whereby there is a rapid flow of water vapor from the material with a uniform dehydrating of the material resulting.

2,408,435
PIPE ANTENNA AND PRISM
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 1, 1941, Serial No. 381,236
12 Claims. (Cl. 250—11)



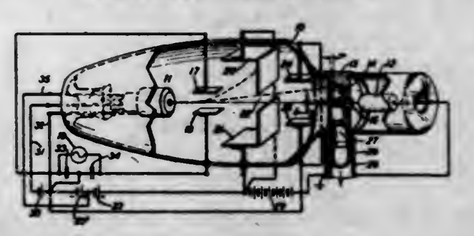
9. In a radio system for directively radiating and receiving a band or spectrum of frequencies, each frequency of said spectrum being radiated or received with greatest amplitude with respect to a particular direction, the direction of maximum amplitude being different for each frequency of said spectrum, a radiating and receiving device comprising a substantially uniform radio transmission line, the length of said line being great with respect to the longest wavelength of said system, said transmission line being enclosed within an outermost member of conductive material, said outermost member comprising solely a tubular member of uniform cross-sectional area throughout its length, said member having therein a plurality of holes regularly spaced in a straight line extending substantially the entire length of said member, all dimensions of said holes being small with respect to one-quarter of the shortest wave-length of said system, the intervals between holes being between one-quarter and one-half of said shortest wave-length whereby each frequency of said spectrum will be radiated or received by said device with greatest amplitude with respect to a particular direction, the direction being different for each frequency within said spectrum.

2,408,436
MULTIPLEX COMPRESSIONAL WAVE SYSTEM
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1942, Serial No. 463,279
11 Claims. (Cl. 178—44)



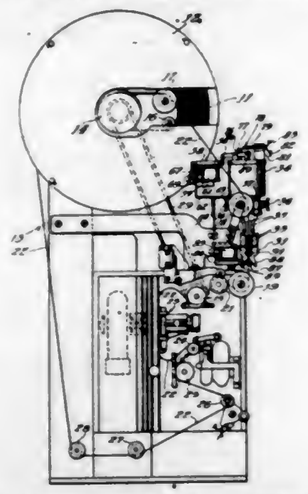
2. A diffraction grating for separating different frequency waves comprising parallel alternate transmission and non-transmission elements of substantially equal lengths, the central axes of the transmission elements being uniformly spaced and the transmission elements decreasing in area from the central element to the outer element in sinusoidal fashion with relation to distance from the center of the grating whereby the non-transmission elements increase sinusoidally from the center to the outermost element but in a converse manner.

2,408,437
HARMONIC GENERATING SYSTEM
James W. McRae, Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1941, Serial No. 414,695
8 Claims. (Cl. 315—5)



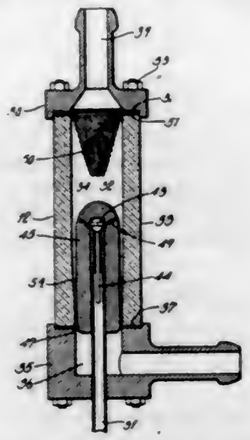
1. A harmonic generating system comprising a source of waves of given frequency, means to provide a beam of moving charged particles, a resonating chamber resonant to a harmonic of said given frequency and having an aperture in its wall permitting access of said beam into the interior of the chamber, means energized by said source of waves of given frequency to direct said beam into said aperture to react with an electromagnetic wave within said resonating chamber, and means to control said beam directing means to limit the phase of said reaction substantially to transfer energy only from said beam to said wave.

2,408,438
FILM CLEANING DEVICE
Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application June 18, 1942, Serial No. 447,605
10 Claims. (Cl. 15—100)



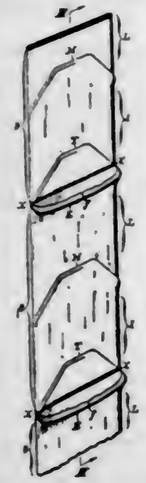
8. A film cleaning device comprising wiper elements engageable with the film in a course of travel thereof, means for supplying cleaning solution to said wiper elements, and electrically-operated control devices for moving the wiper elements into and out of engagement with the film and for causing the feeding of cleaning solution to said wiper elements only when they are in film-engaging position.

2,408,439
APPARATUS FOR CARBONATING LIQUIDS
Richard Muehlhofer, Mountainside, N. J.
Application June 9, 1943, Serial No. 490,380
8 Claims. (Cl. 261—50)



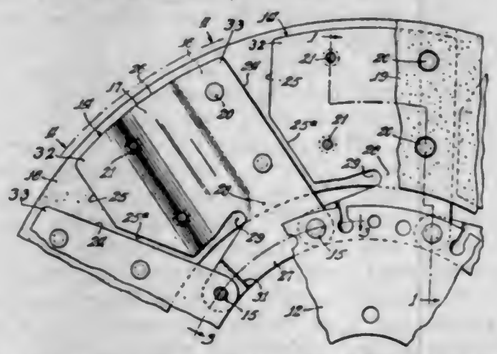
1. In a device of the class described, the combination of an upstanding open end tube of transparent material forming a sight tube having a bore of greater diameter at its upper than at its lower end, a base provided with a bore forming a liquid inlet and into which is fitted the lower end of the tube, a cap fitted to the top of the tube and provided with a bore forming an outlet therefrom, a gas supplying tube extending through the base and terminating in an upstanding part within the sight tube, a gas metering valve for controlling the gas discharged from the gas tube and provided with a tapered stem guided in the bore of the gas tube, a hood separate from the gas valve and capable of movement to its open position independently of the position of the gas valve at that instant of time forming a weighted float guided for vertical movement on said upstanding part of the gas tube, normally resting on the gas valve to seat it and thus close off the gas tube, the lower portion of the hood substantially closing the lower end of the sight tube when the hood is resting on the seated gas valve, and said hood provided adjacent its upper end with gas vents for distributing gas from the open gas tube into the liquid as it flows through the sight tube and past the hood when elevated by the flowing liquid and means for limiting the upward movement of the floating hood.

2,408,440
SEAMLESS STOCKING
George Norman, Griffin, Ga., assignor to Spalding Knitting Mills, Griffin, Ga., a corporation of Georgia
Application February 26, 1945, Serial No. 579,794
4 Claims. (Cl. 66—178)



1. As a new article of manufacture, a knitted product in the form of a string consisting of a series of seamless stocking blanks with closed toes and the top of one blank detachably connected half way round along the crosswise closure line of the toe of an adjacent blank by a removable course of loops formed from yarn used in the knitting of the string.

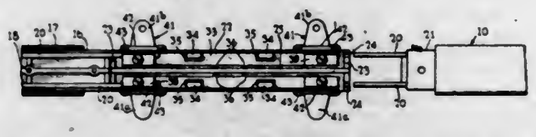
2,408,441
CLUTCH PLATE
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 2, 1944, Serial No. 556,710
5 Claims. (Cl. 192—107)



1. A friction clutch plate cushion element of substantially rectangular shape that comprises a wing portion having a flat radial region adjacent a side edge and a bowed region of greater

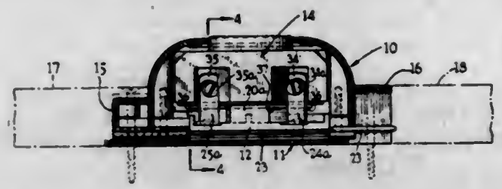
extent than the flat region, the side edges of said wing having parallel portions and one of said edges having an inwardly extending oblique portion; a narrow neck portion forming a continuation of the flat wing region; an elongated foot portion extending lateral to said neck portion for effecting anchorage of the cushion element on a support; and an offset region at an end of said foot portion.

2,408,442
ELECTRICITY CONDUCTOR UNIT
Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Original application July 25, 1941, Serial No. 403,978. Divided and this application August 21, 1943, Serial No. 500,051
2 Claims. (Cl. 173—334.1)



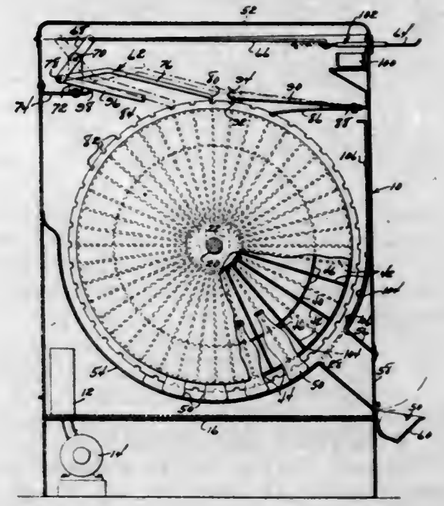
1. A unit of an electric wiring system of seriatim-interconnected units, comprising a base of electrical insulation material, a central rib integral with said base and extending longitudinally thereof, electricity conductors disposed on said base on each side of said rib, lugs on said conductors extending into said base in frictional engagement therewith to secure said conductors thereto, and a three-sided cover of electrical insulation material adapted to completely enclose said base and said conductors, said cover having eave-like portions extending beyond the ends of said base for the reception of the ends of an adjacent unit of such wiring system.

2,408,443
ADAPTER UNIT FOR ELECTRIC WIRING SYSTEMS
Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application December 31, 1943, Serial No. 516,347
7 Claims. (Cl. 173—330)



1. A unit of an electric wiring system embodying conductor units arranged for electrical and mechanical interconnection in seriatim, comprising a conductor block having electricity conductors disposed on one face thereof in mutually insulated, spaced relationship and having terminals extending from each end of said block, electrically conductive lugs disposed on the opposite face of said conductor block and mechanically and electrically interconnected with said conductors, an outlet fixture having connection terminals mechanically and electrically connected to said lugs; a cap member to removably receive said interconnected fixture and conductor block, and a closure member for said cap, said closure member supporting said conductor block in operative position, and having spaced longitudinally extending walls at each end to provide channels for individually receiving the extending terminals of said conductors, and having, intermediate its ends, spaced longitudinally extending walls to provide channels for individually receiving the said electricity conductors.

2,408,444
BOTTLE DISPENSING REFRIGERATOR
Frank U. Payne, Farner, Tenn.
Application July 10, 1943, Serial No. 494,230
5 Claims. (Cl. 312—97.1)

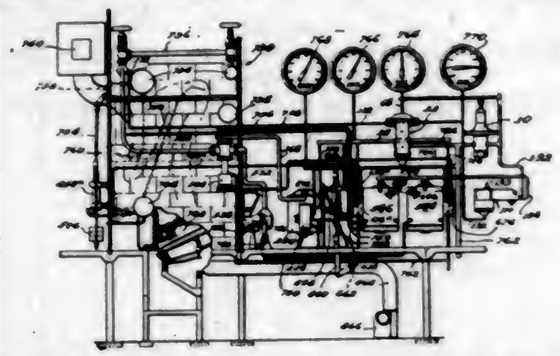


1. In a bottle dispensing refrigerator, the combination of a refrigerated chamber having an outlet, a bottle dispensing wheel mounted for rotation about a horizontal axis inside said chamber, said wheel being provided with a hub, and circular side walls on the hub, a circular dividing wall, and a peripheral wall about the aforementioned walls, and a wall concentrically arranged between the hub and the peripheral wall, said latter wall and the peripheral wall having openings therein, the openings of the latter wall being smaller than those of the peripheral wall, and staggered radial walls dividing the spaces between the aforementioned walls into compartments for loosely supporting bottles arranged endwise with respect to the axis of the wheel and equally spaced one from the other circumferentially of the wheel, said outlet being located at a low point with respect to said wheel, a bottle track about the lower circumferential extent of the wheel to hold the bottles in the wheel but terminating at said outlet to cause bottles to drop into the outlet as they are moved beyond the track, a notched flange on the wheel and means engaging the notches of the flange for rotating the wheel step by step to bring one bottle at a time to a position beyond said track.

2,408,445
COMBUSTION CONTROL APPARATUS
Swan A. Pearson, Chicago, Ill.
Application April 28, 1942, Serial No. 440,791
6 Claims. (Cl. 110—54)

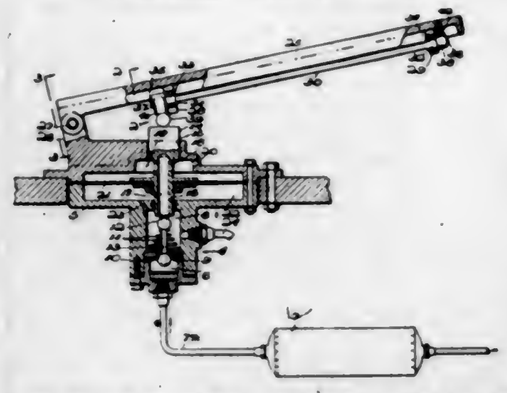
1. A device for controlling the rate at which fuel is fed to a boiler of the type having means for feeding fuel to a boiler comprising, a source of constant pressure, steam pressure responsive means adapted to increase the activity of said fuel feeding means upon a decrease in steam pressure, said steam pressure responsive means including a master controller connected to the boiler, and a variable flow variable pressure controller adapted initially to be actuated by pressure from said source of constant pressure, a reactance

pressure producing means, means for causing said reactance pressure producing means to be regulated by said feeding means so that the pressure produced by said reactance pressure producing means depends upon the degree of activity of said



feeding means, and means forming a part of said variable flow variable pressure controller responsive to said reactance pressure adapted for stabilizing the operation of said steam pressure responsive means.

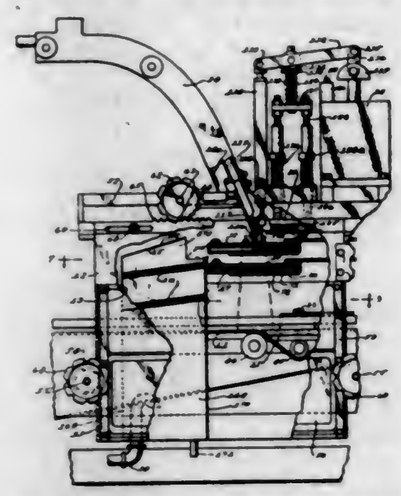
2,408,446
CONTROL MECHANISM
James V. Ralston, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application September 6, 1944, Serial No. 552,891
7 Claims. (Cl. 74—512)



1. Actuating mechanism for a movable member comprising a pivotally mounted lever, a pair of spaced bearings on the lever, a torsion spring rod rotatably mounted in said bearings, a second lever mounted on one end of the spring rod for rotation therewith having its end in engagement with the member, a third lever mounted on the other end of the spring rod for rotation therewith, and an adjusting screw carried by said first named lever and adapted to engage said third lever for adjusting the angular position of the latter with respect to the first named lever.

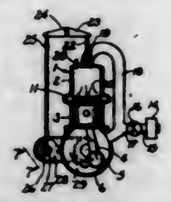
2,408,447
APPARATUS FOR SEALING CONTAINERS
Harry A. Rau, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application December 27, 1940, Serial No. 371,961
2 Claims. (Cl. 226—82)

1. In a container capping apparatus, a base, a straight-line steam tunnel mounted on said base, said tunnel including a top wall and two side walls to define an inlet and an outlet at the respective opposite ends of said walls, conveyor means carried by said base to move containers through the tunnel, the top wall of the tunnel being positioned to lie closely adjacent the mouths of the containers, means carried by and below the tunnel top wall to apply and seal caps upon containers, a steam duct fixed with respect to a side wall of said tunnel in advance of the cap applying means, means to deliver steam to said duct at a relatively low pressure above atmospheric pressure, pressure reducing means in said duct to reduce the pressure of steam flowing therefrom to substantially atmospheric pressure, said duct including an outlet mouth positioned at one side of said conveyor and below but closely adjacent the plane of the cap applying and sealing means, said outlet mouth facing upwardly



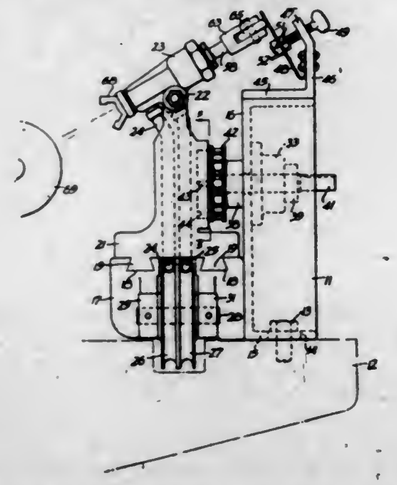
and in the direction in which said conveyor means moves containers through said tunnel, said steam supply means, pressure reducing means and the facing direction of the duct mouth having the combined function of maintaining a quiet body of steam in the area occupied by said applying and sealing means and with the body of steam extending from the top wall of the tunnel to a point below and closely adjacent the plane of the container mouths, said tunnel being vertically adjustable with respect to said base and conveyor and means cooperating with a wall of said tunnel to move said tunnel and duct vertically with respect to said base and thereby enable containers of various sizes to be capped.

2,408,448
TWO-CYCLE ENGINE
Allen M. Rossman, Wilmette, Ill.
Application April 8, 1944, Serial No. 530,199
3 Claims. (Cl. 123—73)



3. In combination with an internal combustion engine having a cylinder and a piston reciprocable therein, an exhaust valve, a fuel-air chamber, means for filling the chamber with a fixed amount of fuel-air mixture at a constant pressure during each cycle of operation of the engine, a communication connection between the chamber and the cylinder at a point therein remote from the exhaust valve, valve means for controlling said communicating connection, and means for operating the valve means to extract some of the fuel-air mixture from the cylinder and return it to said chamber, said last means comprising a cam controlled by the position of the piston in the cylinder for operating the valve means during a portion of the movement of the piston in its compression direction after closing of the exhaust valve whereby movement of the piston forces a part of the fuel-air mixture in the cylinder to return to said chamber, and means manually operable during operation of the engine for varying the time of closing of the valve means in relation to the position of the piston to vary the amount of the fuel-air mixture extracted from the cylinder during each cycle of operation of the engine.

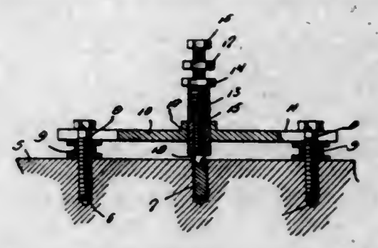
2,408,449
FLUID FOUNTAIN FOR PRINTING PRESSES
George M. Russell, Millbrae, Calif.; Anne Russell, administratrix of said George M. Russell, deceased, assignor to Pacific Can Company, San Francisco, Calif., a corporation of Nevada
Application September 13, 1943, Serial No. 502,093
6 Claims. (Cl. 101—147)



1. In a printing press, the combination of a frame; a removable printing means mounted therein, said printing means having spaced-apart ink-repellant areas thereon; dampening means in rolling contact with said printing means; means for applying an ink-repellant material to said dampening means in amounts and in spacing to conform substantially to said spaced-apart ink-repellant areas on said printing means, said means including a spraying head which moves back and forth across said dampening means, a deformable cam means arranged adjacent the path of travel of said head to control the amounts and spacing of said ink-repellant material applied thereon, and adjustable means for changing the shape of said cam means as required, whereby the amount and spacing of the ink-repellant spray may be made to conform substantially to the ink-repellant areas on said printing means.

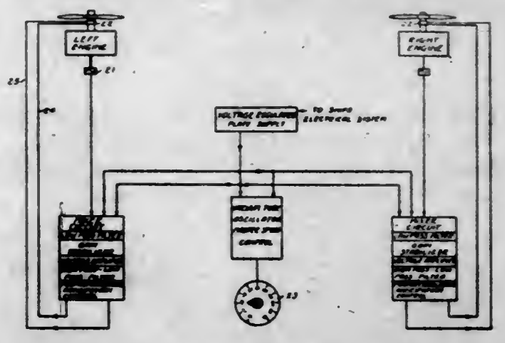
2,408,450
BROKEN STUD REMOVER
Raymond D. Schrader, Peoria, Ill., assignor to V. Ray Van Wey, Pekin, Ill.
Application March 24, 1944, Serial No. 527,983
1 Claim. (Cl. 81—71)

A broken stud remover comprising a bridge member, slots in each end of said bridge member, bolts positioned in said slots and adapted for securing said bridge member to the work at opposite sides of a broken stud to be removed from said work, removable spacing members on the bolts for spacing said bridge member above the work, a threaded opening in said bridge member intermediate its ends, an internally and externally threaded sleeve threaded in said opening



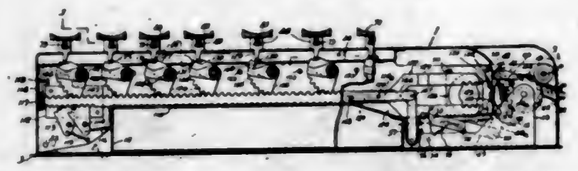
and having a tool engaging head for threading the sleeve into and out of position, a screw threaded in said sleeve and having a tool engaging head at one end and means at the other end of the screw adapted for biting into the broken stud.

2,408,451
SPEED CONTROL SYSTEM
Edward M. Sorensen, Dayton, Ohio
Application December 23, 1940, Serial No. 371,368
9 Claims. (Cl. 60—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



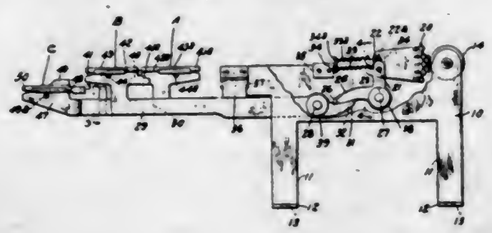
5. A system for synchronizing the speed of rotation of a plurality of prime movers comprising means for generating a voltage of predetermined frequency; an alternator operatively connected with each of said prime movers for generating a voltage having a frequency proportional to the speed of rotation of the prime mover; and means associated with each of said prime movers for maintaining a predetermined speed of operation thereof, said means including a mixing circuit for combining the two aforementioned voltages so as to produce a beat frequency voltage, a frequency analyzing circuit for signifying the deviation of said beat frequency from a predetermined value, and a proportionalizing control circuit for correcting the speed of the prime mover to bring the beat frequency back to said predetermined value, said last named circuit including a pair of circuits each adapted to produce electrical pulses at a rate proportional to the extent of deviation of said beat frequency from said predetermined value, one of said circuits being operable to produce pulses when the deviation is above said predetermined frequency, and the other of said circuits being operable to produce pulses when the deviation is below said predetermined frequency, a relay connected with each of said pulse producing circuits, and an electrical device controlled by said relays for increasing or decreasing the load on the prime mover in accordance with and in proportion to the increase or decrease of the speed thereof from said predetermined speed.

2,408,452
SHORTHAND TYPEWRITING MACHINE
John L. Stixrud, Los Angeles, Calif.
Application November 8, 1943, Serial No. 509,514
11 Claims. (Cl. 197—9)



6. In a machine of the kind described, in combination, a rotary typing wheel having a plurality of type characters spaced on the peripherial surface thereof, a selectively actuated tiltable operating key to perform a selecting operation by its own movement in one of two directions, a pair of longitudinally movable bars operatively connecting the operating key with the typing wheel, the movement of one of said bars by the initial portion of the depression of said key during one selective tilting selecting the type to be presented and the movement of both of said bars by the full depression of said key during said one selective tilting moving the typing wheel into printing position in accordance with the selective movement of the operating key, and intervening mechanism operatively connecting said typing wheel, movable bars and operating key to carry out a printing operation.

2,408,453
SHORTHAND TYPEWRITING MACHINE
John L. Stixrud, Los Angeles, Calif.
Application January 13, 1945, Serial No. 572,588
11 Claims. (Cl. 197—9)

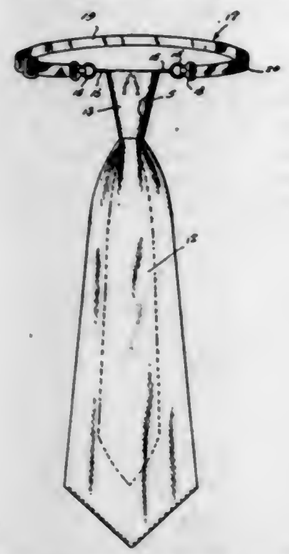


3. In a machine of the character described, comprising a plurality of printing members each bearing a series of printing characters, a pair of actuating levers each having a pivotal connection with a printing member arranged therebetween wherein one pivotal connection is vertically spaced above the other, a pair of key bars each operatively connected to one of said actuating levers, and a plurality of keys coupled in pairs to actuate the key bars first individually to cause an initial selection and then jointly to cause a final printing of the characters on said printing member.

2,408,454
DECOLORIZING OILS AND AGENTS THEREFOR
Francis Michael Sullivan, North Bergen, N. J.
No Drawing. Application July 16, 1941, Serial No. 402,696
10 Claims. (Cl. 210—62)

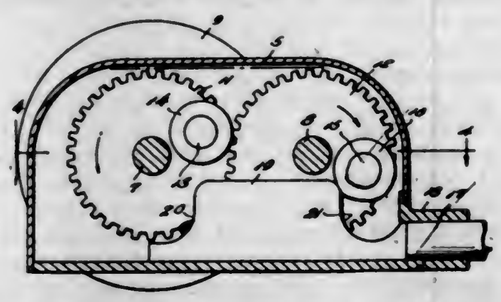
1. The method of treating a glyceride oil containing its natural color bodies to decolorize the same which comprises intimately contacting said glyceride oil with a preformed hydrous alkali metal soap of saturated and unsaturated fat acids, the unsaturated fat acid constituting at least 30% of the soap forming acids, and the amount of saturated fat acid being sufficient to produce ready separability of the soap from the oil, the soap being dispersed through the oil in finely divided condition, the soap being separable from the oil, and separating the soap carrying the color bodies from the treated oil.

2,408,455
NECKTIE
Alfred F. Tabotski, Buffalo, and Joseph W. Terry, Niagara Falls, N. Y.
Application March 24, 1944, Serial No. 527,939
4 Claims. (Cl. 2—150)



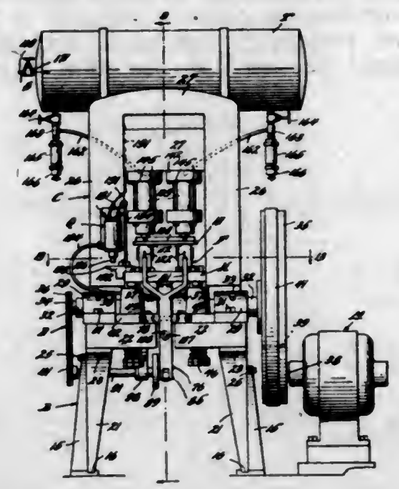
1. A necktie comprising a rigid hollow form shaped to represent the knot portion of a four-in-hand necktie, a drape portion, a removable extension attacked to the upper end of said drape portion, and a pair of spring fingers attached to the upper end of the said removable extension and adapted for releasable engagement in the knot form.

2,408,456
DRIVE MECHANISM
William H. Thomason, Margret, Ga.
Application July 15, 1944, Serial No. 545,081
1 Claim. (Cl. 74—49)



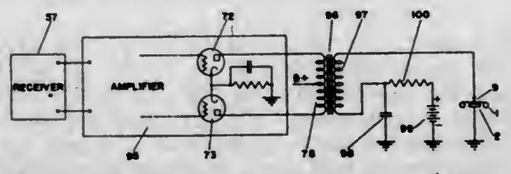
Means for converting rotary into reciprocating motion and comprising a pair of shafts, means for driving one of said shafts, interengaged gears secured to the shafts for rotation in opposite directions, a slidably supported member including a laterally projecting head and means eccentrically carried by the gears and engageable with opposite edges of the head to move the latter in opposite directions, said member being slidable in a fixed path, said means last-mentioned comprising a pair of rollers revolved by said gears into engagement with said head alternately and each disengaging said head when the other is engaged therewith.

2,408,457
LOCK NUT MAKING MACHINE
Chester D. Tripp, Chicago, Ill.
Application January 7, 1944, Serial No. 517,409
24 Claims. (Cl. 10—72)



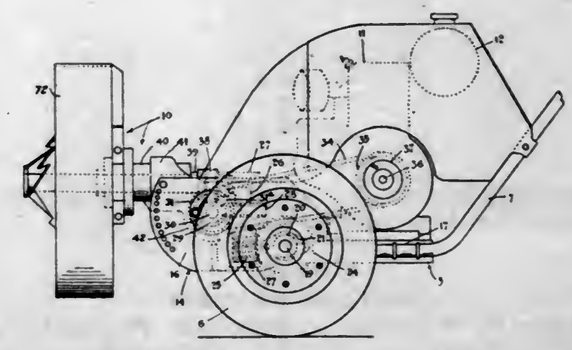
1. A machine for making lock nuts of uniform gripping or locking force from nuts of varying height and density formed by standard quantity production methods, comprising a pair of members mounted for relative movement toward each other and operable to press a nut therebetween, one of said members being adapted to support said nuts and the other comprising shallow means of rapidly varying area operable to indent a face of a supported nut and modify the helix angle of a portion of the threads of said nut in proportion to the depth and area of indentation; driving means for imparting a reciprocating movement to one of said members, to bring the members into pressing relationship with the nut; and additional means for applying pressure of predetermined value to one of said members in opposition to said driving means to limit further relative movement of said members and assure indentations of substantially identical depth and area with a substantially identical modification in thread helix angle and a uniform gripping force in nuts of varying height and density.

2,408,458
APPARATUS FOR ECHO DISTANCE MEASUREMENT
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application January 5, 1940, Serial No. 312,504. Divided and this application July 25, 1941, Serial No. 404,052
6 Claims. (Cl. 234—1.5)



4. In an echo distance measuring system of the type in which the time interval is measured between direct and reflected signal impulses, the reflected impulse having an intensity which decreases as the length of the time interval being measured increases, the combination of an exhibitor for exhibiting the moment of receipt of the reflected impulse, said exhibitor having an exhibiting element requiring at least a minimum potential for operation, means for applying directly to the exhibiting element a potential substantially constantly proportional to the intensity of the reflected impulse, and means for applying directly to the exhibiting element in aid of the reflected impulse potential a potential which increases with the length of the time interval being measured.

2,408,459
PORTABLE POWER-DRIVEN CONVEYER
Alfred C. Tuttle, Montreal, Quebec, Canada
Application December 30, 1944, Serial No. 570,551
7 Claims. (Cl. 37—53)

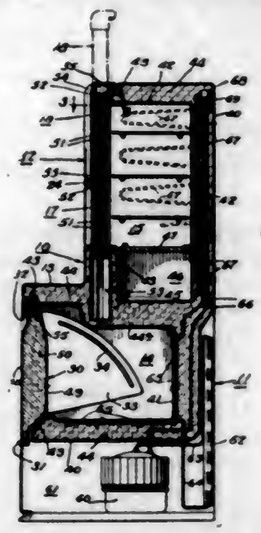


1. A machine of the character described comprising a portable frame, a transversely extending shaft rotatably journalled in said frame, means for driving said shaft, an adjustable bearing housing extending in a direction at right angles to said shaft and mounted for swinging movement about a center coinciding with the central longitudinal axis of said shaft, a spindle extending through said housing and rotatably carried thereby, means for driving said spindle from said shaft in all adjusted positions to which the housing is swung about said shaft, a conical disc carried by a portion of the spindle projecting from the end of the housing remote from said shaft, a plurality of radial paddles secured to said spindle and said disc and a plurality of vanes arranged around said spindle to conjointly provide a screw conveyer for conveying material along said spindle in the direction of said paddles, said vanes being secured to said spindle and to said disc and means for retaining said housing in any of the various positions to which it is swingable about said shaft.

2,408,460
REFRIGERATOR
Harold van Doren, Bryn Mawr, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 30, 1944, Serial No. 528,741
3 Claims. (Cl. 62—89)

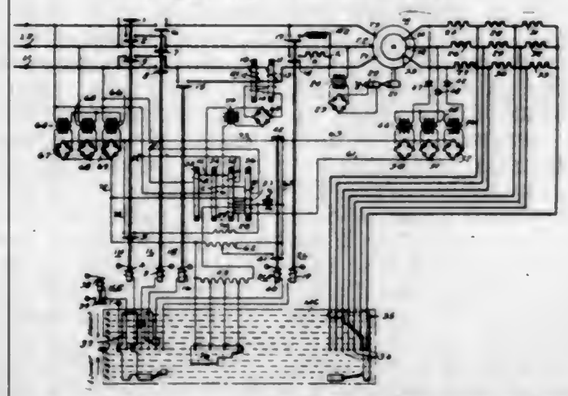
1. In a refrigerator, a cabinet having upper and lower compartments and an intervening insulated wall, said upper compartment having a side access opening and said wall having a section of major thickness extending upwardly at the open side of said upper compartment so as to form in the bottom of the latter a well-type chamber, said wall section being recessed from the top, a closure member for the access opening of said upper compartment movable vertically in the cabinet structure to and from an open position within said recess, a primary refrigerating system associated with said lower compartment for cooling

the same, and a secondary refrigerating system in heat exchange relation with said primary re-



frigerating system and associated with said upper compartment for cooling the latter.

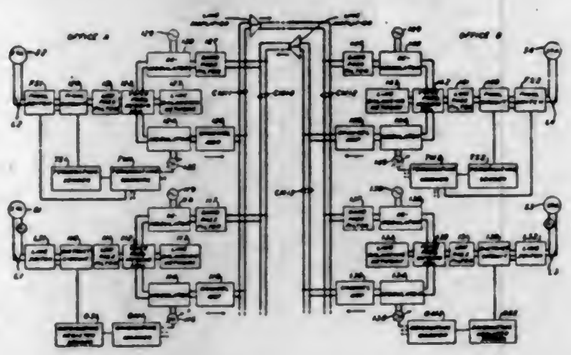
2,408,461
CONTROL SYSTEM
William R. Wickerham, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 1, 1945, Serial No. 570,945
13 Claims. (Cl. 172—274)



1. A motor control system, comprising a wound rotor motor having primary windings and secondary windings, multiphase current supply means for impressing alternating multiphase voltage on said primary windings, control means associated with said power supply means for varying the balance condition of said voltage, and circuit means disposed between said secondary windings and said control means for controlling the latter to operate in dependence upon the frequency of the secondary current induced in said secondary windings, said circuit means having transformer means operative at a high degree of iron saturation primarily connected across said secondary windings for deriving therefrom a control voltage determined substantially only by the frequency of said secondary current.

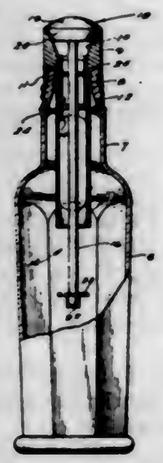
2,408,462
TELEPHONE SYSTEM
Raymond O. Wise, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y.
Application June 8, 1943, Serial No. 490,033
10 Claims. (Cl. 179—15)

1. In a telephone system, subscribers' lines, a plurality of high frequency carrier channel equipment units each comprising a modulator and a demodulator, means for individually connecting said units with subscribers' lines, amplifiers, one for each of said modulators, band-pass filters, one for each demodulator, for passing a different band of frequencies to each demodulator, a plurality of carrier current sources, a source of a different frequency for each demodulator, a multichannel transmission medium connected to



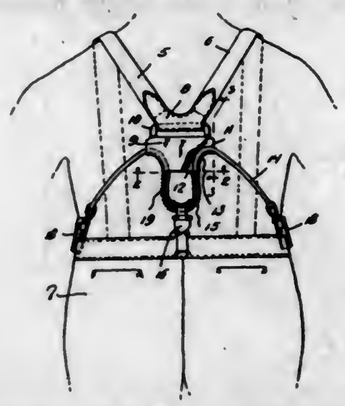
a plurality of said amplifiers, a multichannel transmission medium connected to a plurality of said filters, an amplifier interconnecting said multichannel media, and means including control means common to said units for selectively connecting to the modulator of any unit connected with a calling line a carrier source of the same frequency as that of the carrier source connected to the demodulator of a unit adapted to be connected to the called line.

2,408,463
BOTTLE STOPPER AND POURING SPOUT
Hubert B. Wright, Nashville, Tenn.
Application September 14, 1944, Serial No. 554,061
4 Claims. (Cl. 215—74)



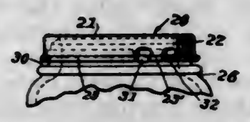
1. In a structure of the class described, in combination, a bottle having a neck, a cylinder mounted on the interior of the bottle and coacting with the neck, said cylinder having inlet slots, a rod slidable in said cylinder, a stopper on the outer end of said rod, said stopper being engageable with and movable toward and from the discharge mouth of said neck, and an open-ended sleeve on said rod, said sleeve telescoping into the outer end portion of said cylinder and being projectible to a point well beyond the bottle neck, whereby to deliver the contents of the bottle into the cylinder and then into the sleeve and from the sleeve when said sleeve is projected to a position well beyond the neck.

2,408,464
SUSPENDER
John La Frenier, Detroit, Mich.
Application May 17, 1944, Serial No. 535,992
2 Claims. (Cl. 2—331)



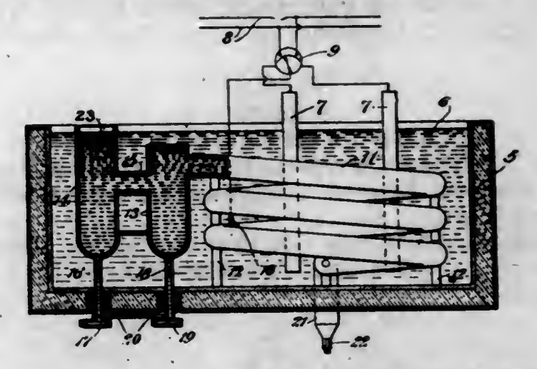
1. A trousers suspender comprising a pair of shoulder straps attachable at their front ends conventionally to the adjacent front waist portions of the trousers and converging toward their rear ends and being carried over the shoulders and downwardly at the back of the wearer, a rigid guide element connected supportedly and suspendedly to the rear ends of the shoulder straps, a cord slidably mounted intermediate its ends in the guide element and its central portion being looped and extended downwardly below the guide element, means for attaching the ends of the cord to the opposite sides of the trousers at the waist portions thereof, single means for attaching the loop of the cord releasably to the rear middle of the trousers waist portion, and spring means carried by the cord loop and urging the loop downwardly and normally holding the same yieldably in extended position.

2,408,465
CONTAINER CAP
Louis L. Lauve, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application May 1, 1942, Serial No. 441,357
4 Claims. (Cl. 215—38)



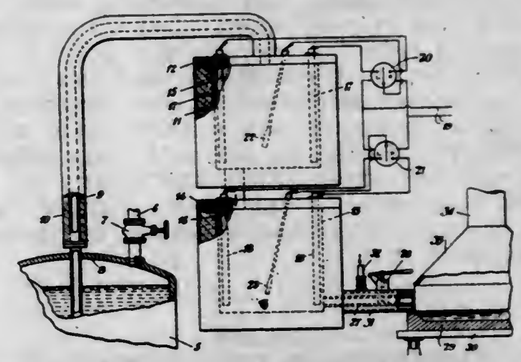
1. A snap-on and pry-off cap including a top and a resilient substantially cylindrical skirt depending from said top and including a continuous curled bottom edge, said skirt being provided with three only of substantially equi-distantly spaced sets of two inwardly projecting lugs of which each lug of each set has an upper portion which inclines gradually outwardly and upwardly relative to the inner surface of the skirt above said edge and merges into said surface a distance above said edge and has a lower portion in said edge inclined gradually downwardly and outwardly relative to said inner surface, said lugs being each engageable with point contact under a container locking ring of substantially less maximum diameter than the maximum inside skirt diameter when the cap is applied, said lower and upper portions affording a shoehorn effect in the cap applying and removing operations respectively, each lug having an inward curve in the plane of said edge and the adjacent ends of the curves of the lugs of each set being immediately joined by an outwardly curved portion of said edge, and the distance between adjacent sets of lugs being at least twice the distance between the contact points of the lugs of each set.

2,408,466
MELTING MAGNESIUM METAL AND THE LIKE
Ellis C. Lyons, Boulder City, Nev., assignor, by mesne assignments, to Reconstruction Finance Corporation, a corporation of the United States
Application November 9, 1944, Serial No. 562,722
7 Claims. (Cl. 266—33)



1. An apparatus of the character described comprising an elongated and substantially closed molten metal reservoir submerged in a fused bath without communication between the interior of said reservoir and the material of said bath, means operatively associated with said bath for maintaining the molten metal in the reservoir within a predetermined temperature range, a valve controlled discharge means operatively connected to one end of said reservoir, and means operatively associated with the other end of said reservoir for introducing molten metal into the reservoir when molten metal is discharged from the reservoir.

2,408,467
CONDITIONING MOLTEN METAL
Ellis C. Lyons, Boulder City, Nev., assignor, by mesne assignments, to Reconstruction Finance Corporation, a corporation of the United States
Application November 10, 1944, Serial No. 562,863
7 Claims. (Cl. 22—200)

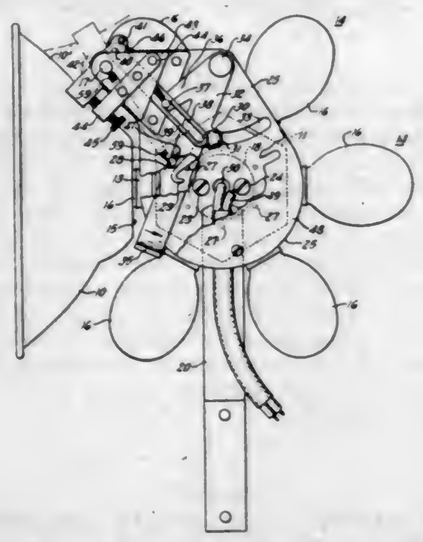


1. The improvement in conditioning an easily oxidized metal for casting which comprises transferring molten metal without contact with air from beneath the surface of a body of the molten metal to an elongated conduit, heating the molten metal in the conduit to a temperature within a predetermined range above the temperature of the body of molten metal, and withdrawing molten metal at a temperature within said range from the conduit simultaneously with the transfer as aforesaid of an equivalent amount of molten metal to the conduit.

2,408,468
GLASS COMPOSITION
Kenneth C. Lyon, Millville, N. J., assignor to General Electric Company, a corporation of New York
No Drawing. Application December 3, 1942, Serial No. 467,813
2 Claims. (Cl. 106—54)

1. A borosilicate seal glass adapted for fusion by passage of electric current through it while heated, and characterized by a lithia content of only a minor fraction of a per cent and by essential freedom from alkali other than lithia, whereby it is rendered conductive when heated without substantial increase of its thermal expansion.

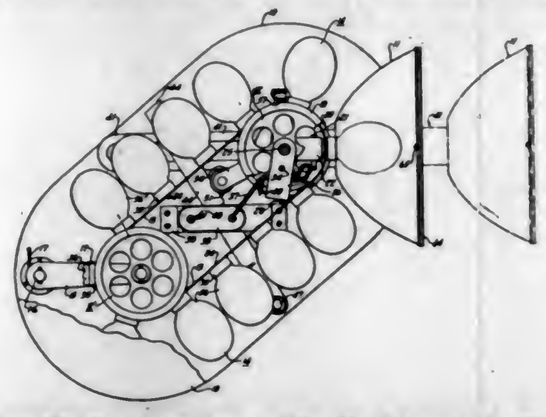
2,408,469
MULTIFLASH LAMP DEVICE
John J. Malloy, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application November 1, 1943, Serial No. 508,480
8 Claims. (Cl. 240—37)



2. A multiple flash lamp device comprising a concave reflector of sufficient depth to substantially surround and enclose a flash lamp and having an axis, rotatable means for supporting a plurality of flash lamps and advancing them successively first into and then, after being flashed, out of said reflector through the position normally occupied by the reflector, said means being arranged for rotation about an axis perpendicular to a plane including said reflector axis, means supporting said reflector and said lamp supporting means in juxtaposition, and means for displacing said reflector out of the path of movement of said lamps upon actuation of the lamp advancement means.

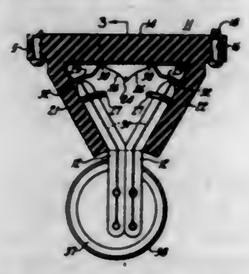
2,408,470
MULTIFLASH LAMP DEVICE
Edward B. Noel, Cleveland Heights, and August W. Seitz, Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application November 1, 1943, Serial No. 508,494
6 Claims. (Cl. 240—37)

6. A multiple flash lamp device comprising lamp support means arranged to support a lamp carrier comprising a strip carrying a plurality of flash lamps, a concave reflector movably supported adjacent said lamp support means and of sufficient depth to normally surround and enclose one of said lamps, a light filter disposed over and substantially closing the mouth of said reflector, actuating means engageable with the lamp carrier and the reflector to synchronous advancement of said lamp carrying strip on said lamp support means to move successive lamps first into and then, after being flashed, out of



said reflector together with displacement of the reflector out of the path of movement of the lamps during each advancement thereof, and means supporting said lamp support means, said reflector and said actuating means in juxtaposition.

2,408,471
ILLUMINATING APPARATUS
George S. Merrill, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application June 3, 1943, Serial No. 489,449
4 Claims. (Cl. 173—328)

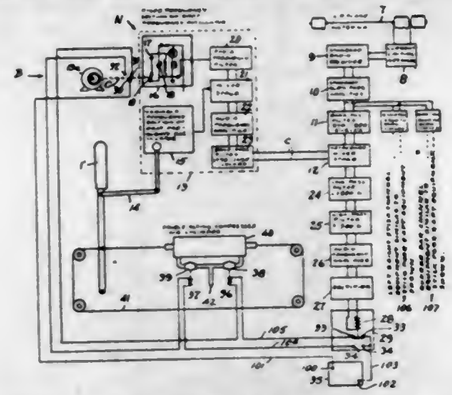


1. A lamp holder for supporting one end of a pair of electric lamps extending in opposite directions therefrom, comprising the combination of a socket having a chamber therein with opposed walls diverging upwardly from an opening in the bottom thereof, a pair of detachable angular connector members having vertical portions projecting downwardly from said socket opening in side-by-side relation and angularly offset portions each engaging one of said opposed chamber walls, the vertical portions of said connector members each being provided with engagement means to hold an end of a lamp, and clamping means in said chamber adapted to grip the angularly offset portions of said connector members and hold them against said opposed chamber walls.

2,408,472
ELECTRICAL SYSTEM FOR THE CONTROL OF MECHANICAL DEVICES
John J. Moynihan, Boston, Mass., assignor of one-half to Joseph B. Brennan, Cleveland, Ohio
Application August 28, 1941, Serial No. 408,658
19 Claims. (Cl. 250—2)

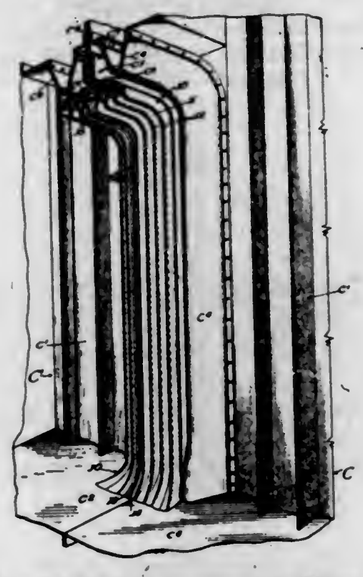
1. In apparatus for the comparison of two commensurable properties, within a predetermined range of variation of a parameter thereof, the combination of means for selecting from one a

standard of value and means for simultaneously comparing together values indicated by the two respectively while cyclically varying the value of



the parameter of one of said properties and means for determining whether the parameter of the other property lies within such range.

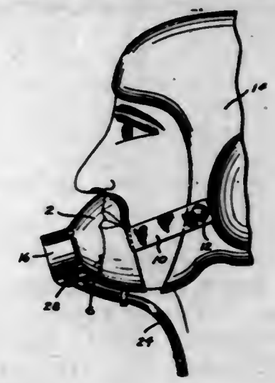
2,408,473
DUST SEAL FOR ADJOINING RAILROAD CARS
Clarence P. Nelson, Chicago, Ill.
Application June 21, 1945, Serial No. 600,711
8 Claims. (Cl. 105—20)



1. A seal adapted to prevent infiltration of dust and other matter between the abutting frame-like outer diaphragm plates of a pair of coupled-together vestibule variety railroad cars and comprising a pair of complemental separately formed opposed strip-sections formed of flexible, dust and fluid impervious material, extending around the inner marginal portions of the top and side parts of the diaphragm plates, having certain of the side margins thereof connected to said marginal portions, respectively, and provided on the other side margins thereof with quickly and readily releasable means for connecting them together.

2,408,474
NOISE SHIELD FOR TRANSMITTER MOUTHPIECES
Edwin B. Newman and Joseph Miller, Cambridge, Mass.
Application December 29, 1944, Serial No. 570,354
5 Claims. (Cl. 179—188)

1. An article of the character described comprising an enclosure member adapted to overlie the face at points adjacent the lips, said enclosure being of a generally cup-like formation and presenting along its upper side a rolled edge for compliantly sealing with an upper lip, said enclosure further presenting a chin rest at the lower portion thereof, said chin rest being a con-

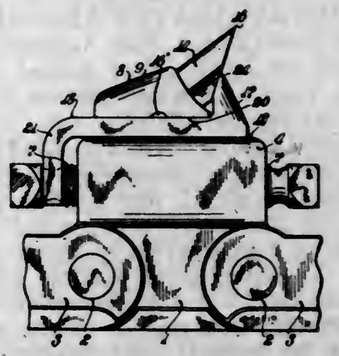


tinuation of the rolled edge, the enclosure having an inwardly extending chin seating portion adapted to underlie the chin, a microphone socket portion formed at the outer side of the enclosure, and air passage means located through the said socket portion.

2,408,475
FLUORESCENT ZINC OXIDE
Clifford A. Nickle, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 18, 1941, Serial No. 403,067
2 Claims. (Cl. 252—301.6)

2. A phosphor consisting essentially of a zinc oxide matrix with substantially one per cent of bismuth in activating relation to said matrix, whereby the same is rendered excitable to fluorescence, and further characterized by a marked white-light fluorescence, in response to long-wave ultraviolet and cathode rays, which has been induced by heat treatment in hydrogen at substantially 1000° C. followed by rapid cooling in the open air, as contrasted with only an insignificant, faint fluorescence arising from heat treatment without reducing influence.

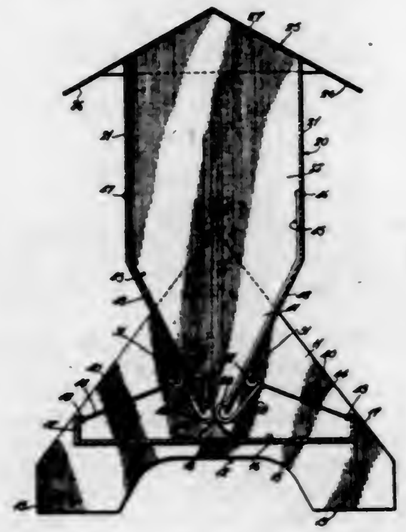
2,408,476
CUTTER CHAIN
Charles F. Osgood, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application March 23, 1942, Serial No. 435,805
7 Claims. (Cl. 262—33)



1. In a cutter chain, a chain block having a socket, a bit holder having a shank receivable in the socket of said block, a bit clamp cooperating with said holder and having a longitudi-

nally extending portion resting on an outer surface of said block when the clamp is in operative position, said holder having side portions engaging the sides of the longitudinally extending portion of said clamp for holding said clamp against said block surface and for guiding the latter during adjustment thereof relative to said holder and said block in a direction lengthwise of said block, means for securing said holder on said block, means separate from said securing means for adjusting said bit clamp longitudinally into bit clamping position relative to said holder and said block, and a cutter bit mounted on said holder and engageable by said bit clamp.

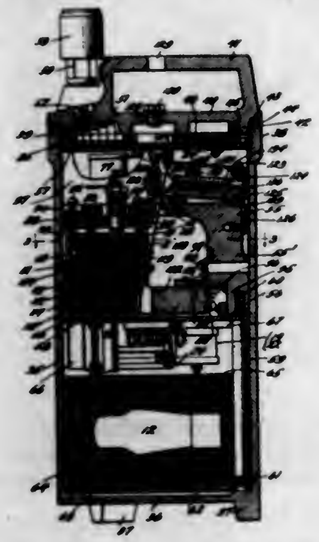
2,408,477
POULTRY FEEDER
Robert T. Payne, Upland, Calif.
Application February 9, 1945, Serial No. 577,017
8 Claims. (Cl. 119—54)



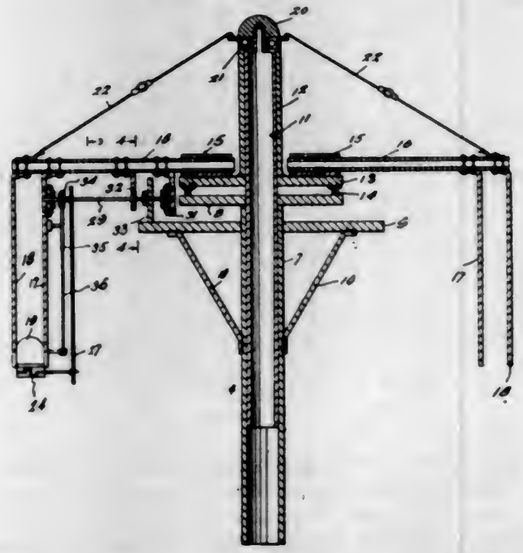
1. A poultry feeder comprising a trough, a hopper having a narrow elongated opening in the bottom thereof, means supporting the hopper above the trough, a screen through which the heads of the poultry must pass to obtain the feed in the trough, and means supporting the inner end of the screen, said supporting means extending through the elongated opening and into the hopper and adapted to agitate the feed at the opening for aiding in discharging the feed from the hopper, said screen being agitated during feeding.

2,408,478
SEISMIC APPARATUS AND METHOD
Olive Scott Petty, San Antonio, Tex.
Continuation of application Serial No. 324,013, March 14, 1940. This application November 17, 1943, Serial No. 510,685
19 Claims. (Cl. 177—352)

15. In a portable seismometer of the type employing elements which are readily displaceable on application thereto of seismic wave energy, in combination, a housing, an element rigidly supported in the housing, a second element supported in the housing for movement relative to said first element, and means mounting said second element to permit such relative movement, said means including a steady-mass carrying said second element, said steady-mass being hinged to the housing on an axis laterally spaced from said elements, the hinged axis being disposed substantially in the horizontal plane containing the center of gravity of the steady-mass, whereby the seismometer is unresponsive to horizontal components of seismic waves.

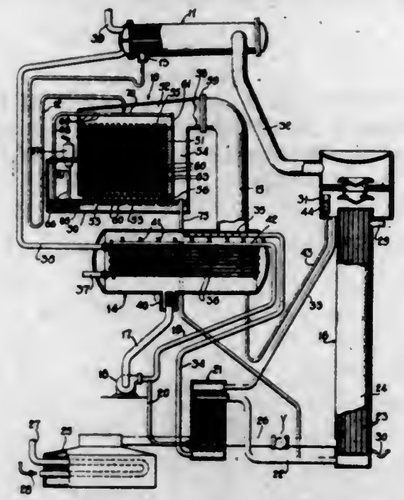


2,408,479
ROUNDABOUT
George Henry Pooler, Marietta, Ohio
Application March 1, 1945, Serial No. 580,350
7 Claims. (Cl. 272—33)



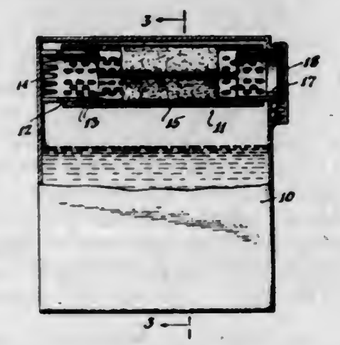
1. A roundabout comprising a fixed upright, a sleeve carried on the upper end thereof, a turntable connected to the sleeve, radially disposed arms fixed to the turntable, seats swung from the arms, means whereby the turntable may be manually rotated, a cap rotatably mounted atop the upright and brace rods connecting the cap to the reach end of said arms, a disk fixed upon said upright and upon which the turntable operates, said means including a horizontal shaft, a sprocket wheel fixed thereon, a treadle connected to a seat and having a shaft, a sprocket wheel mounted fixedly on the last shaft, a relatively large friction disk fixed on the upright and a wheel on the first shaft and engaging the large disk, means whereby the occupant of any seat may brake the roundabout, and said last means including a brake drum on the first shaft and a control member depending to the seat.

2,408,480
EVAPORATOR FOR LOW-PRESSURE REFRIGERANTS
John G. Reid, Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application January 3, 1945, Serial No. 571,167
5 Claims. (Cl. 62—119)



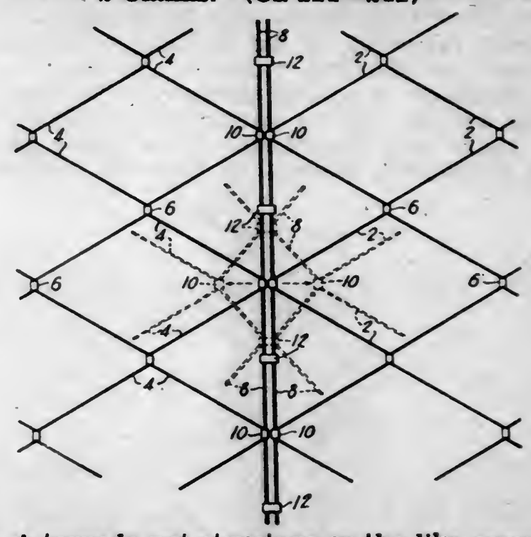
1. An evaporator for use in a refrigeration system having an upper header provided with a horizontal tube sheet, a lower header, a plurality of vertical tubes extending between the upper and lower headers and projecting above the horizontal tube sheet of the upper header, means for supplying liquid refrigerant to the upper header which overflows into the end portions of the tubes projecting above the tube sheet, said tubes having internal serrations to retard the flow of refrigerant through the tubes to maintain a film of liquid refrigerant on the interior surfaces thereof, and means for recirculating liquid refrigerant from the lower to the upper header.

2,408,481
CIGARETTE CONDITIONER
Willard Reid, New York, N. Y.
Application August 17, 1944, Serial No. 549,890
5 Claims. (Cl. 91—62.5)



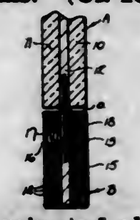
1. In a cigarette conditioning device a liquid container and a cigarette conditioner communicating therewith internally and having an opening externally thereof, said conditioner comprising a tubular member having a plurality of wall orifices intermediate its ends and serrations at its inner end providing an opening directly into said container and a sleeve-like covering of absorbent material intermediate its ends, said covering having portions bulged through said wall orifices to form absorbent nodules inside said tubular member.

2,408,482
TORPEDO NET
Harvey W. Riddle, Branford, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application March 6, 1945, Serial No. 581,305
2 Claims. (Cl. 114—241)



1. A torpedo net structure or the like comprising a plurality of sections and a shock absorbing seam between at least two of said sections, said shock absorbing seam comprising two substantially parallel stranded wire structures, a plurality of spaced apart connections between one of said wire structures and one section, a plurality of spaced apart connections between the other wire structure and the second section, and connecting means spaced from the said connections for fastening the wire structures together.

2,408,483
LAMINATED GLASS STRUCTURE
Frank A. Rodman, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 28, 1942, Serial No. 436,605
7 Claims. (Cl. 189—76)

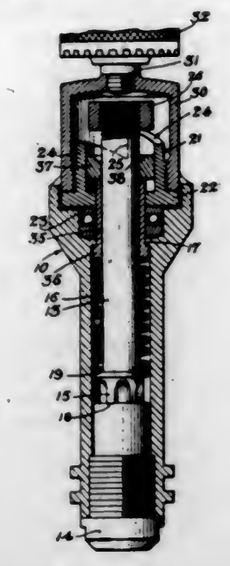


3. An integral laminated glass glazing unit for mounting in a frame, comprising two sheets of glass and an interposed layer of thermoplastic adherent thereto and extending outwardly beyond the edges of the glass sheets, and a metal sheath in the form of a channel member fitting over the extended portion of the plastic interlayer and secured thereto, said metal sheath being spaced from the peripheral edges of the glass sheets and forming with the extended portion of the plastic interlayer a metal covered flexible attaching flange for clamping in said frame.

2,408,484
PERCUSSIVE TOOL
Arthur R. Schwarzkopf, Chicago, Ill., assignor to Wodack Electric Tool Corporation, Chicago, Ill., a corporation of Illinois
Application November 6, 1943, Serial No. 509,311
8 Claims. (Cl. 255—42)

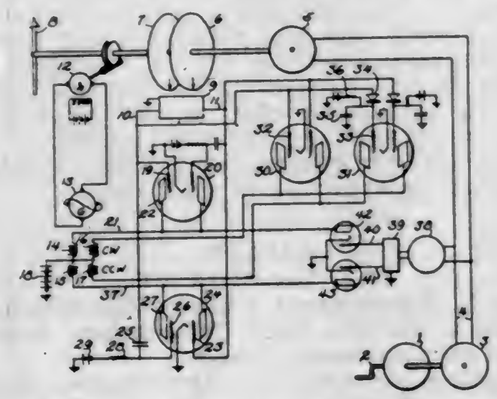
1. A hammer attachment for rotary drills comprising, in combination, an elongated barrel

adapted to be mounted on the drill and having a tool socket, an impact member reciprocable axially in the barrel in operative relation to the socket, means forming shoulders adjacent opposite ends of said member, a pair of spaced abutments in said barrel, a collar loosely mounted on said member and abutting against the shoulder adjacent one end of the member, a flanged sleeve slidably mounted on the member and abutting against the shoulder adjacent the other end of the member, a spring interposed between said collar and said sleeve operative to yieldably urge the collar and the flange of the sleeve against said abutments whereby to hold the member in



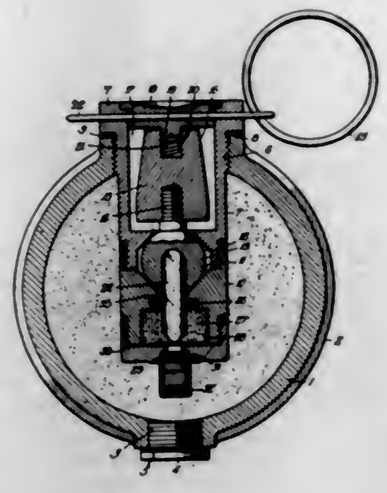
a central position in the barrel, power driven means acting on said member to retract the same from the socket, the shoulder at said one end of said member engaging said collar in the retraction of the member to compress said spring between said collar and said sleeve, said spring acting through said collar and said shoulder upon the release of the member to advance it rapidly toward the socket, said sleeve being engaged by the shoulder adjacent the other end of said member for movement therewith at a predetermined point in its advance and said spring acting to resist such movement of the sleeve and thereby bring the member to a cushioned stop.

2,408,485
POSITION CONTROL SYSTEM
Judson O'D. Shepherd, Atlanta, Ga.
Application April 6, 1942, Serial No. 437,837
16 Claims. (Cl. 172—239)



1. In a position reproducing system, a master positionable device, a secondary positionable device, means to produce signals corresponding to the position of the master device, driving means for the secondary device, control means responsive to deviation of the position of the secondary device from that called for by the signals to energize the driving means to drive the secondary device to eliminate the deviation and means to delay for a time interval the response of the control means to a deviation.

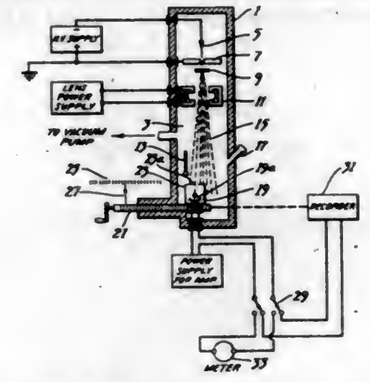
2,408,486
HAND GRENADE AND FUSE THEREFOR
Edward M. Shinkle, Burlington, Iowa
Application March 28, 1945, Serial No. 585,314
2 Claims. (Cl. 102—64)



1. In a grenade or the like, a grenade body, a fuse assembly fitted therein, the assembly comprising a housing member and an intermediate member having opposed seats formed therein, a ball fitted on said seats, a weight secured to the ball, the housing member having a cavity formed therein enclosing the weight and permitting limited movement thereof, a removable closure for the cavity engaging the weight and preventing movement thereof, a frangible ampule secured to the ball normally spaced from adjacent fixed portions of the fuse, chemical means in the ampule and additional chemical means carried adjacent the ampule, the two chemical means when brought into contact serving to initiate an explosion of the grenade, the size relationship between the weight and its enclosing cavity being such that the weight upon release may move sufficiently to swing the ampule against adjacent fixed portions of the fuse and break the ampule to release its contents.

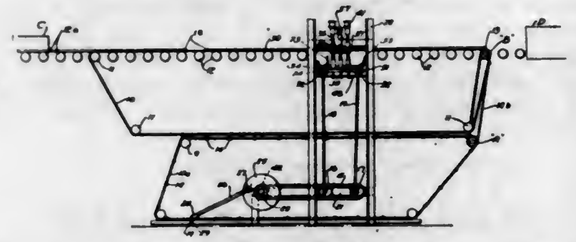
2,408,487
ART OF ASCERTAINING THE ATOMIC STRUCTURE OF MATERIALS
Perry C. Smith, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 29, 1944, Serial No. 524,424
4 Claims. (Cl. 250—49.5)

1. In combination, means for producing a diffraction ray pattern of a specimen in a plane spaced from said specimen, means mounted for movement along a radius of said pattern for converting the diffracted rays which fall along said radius into an electromotive force, and means for



measuring said electromotive force as a function of said radius.

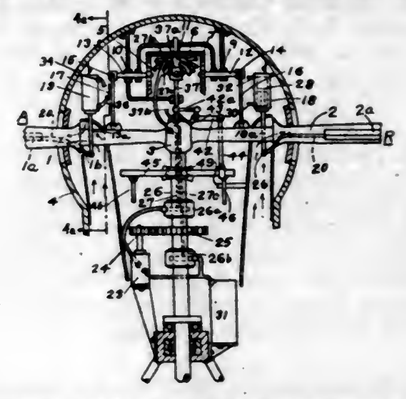
2,408,488
METHOD OF PERFORATING GYPSUM LATH
Louis N. Sorensen, Port Clinton, Ohio, assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Original application June 8, 1939, Serial No. 278,212. Divided and this application August 27, 1941, Serial No. 408,430
9 Claims. (Cl. 164—125)



9. The method for perforating plaster board having a partially set cementitious core with adhered surfacing sheets which comprises the steps of positioning the plaster board on a support, intermittently advancing the plaster board along the said support, simultaneously reciprocating a plurality of annular knives to cut through the plaster board and receive in their open interiors plugs of the plaster board cut therefrom as a consequence of the reciprocation of such annular knives, the cut-out plugs then through continued reciprocatory movement of the annular knives ejected therefrom, the plaster board advanced and the annular knives reciprocated in timed relation whereby the annular knives are reciprocated only during the dwell period of the intermittent advance of the plaster board and the cut out plugs are ejected prior to the completion of the reciprocatory motion of the annular knives and further movement of the plaster board being intermittently advanced.

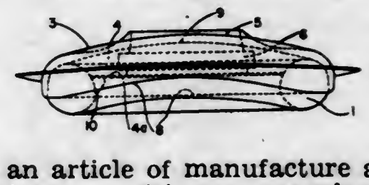
2,408,489
ROTARY WING AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application January 28, 1942, Serial No. 428,531
14 Claims. (Cl. 244—17)

1. In an aircraft, in combination, a plurality of blades, means for mounting said blades for rotation about an upright axis and for independent vertical flapping about an axis separate transverse to said upright axis, means to vary the lifts of the respective blades, and means interconnecting each said blade with the lift varying means of a blade on the opposite side of said upright axis for controlling the lift of one blade



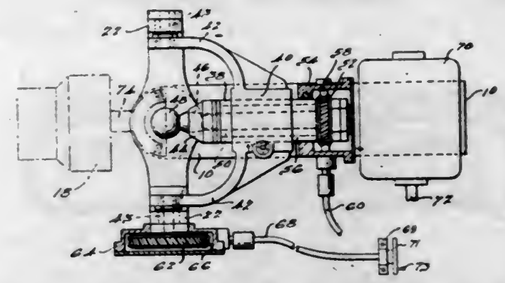
by a function of flapping of another blade on the opposite side of said vertical axis and independently of the flapping position of said one blade.

2,408,490
EARPHONE SOCKET
Stanley Smith Stevens, Cambridge, Mass., assignor to the United States of America, represented by the Executive Secretary of the Office of Scientific Research and Development
Application April 18, 1944, Serial No. 531,684
3 Claims. (Cl. 179—156)



3. As an article of manufacture a sound control device comprising an earphone, a socket member having the earphone centrally supported therein, a sealing ring mounted at the inner side of the socket in spaced relation to the earphone, said socket consisting of a cup-like member of insulating material extending across and overlying the sealing ring, said sealing ring being embedded more deeply at one side of the socket than the other.

2,408,491
WORK HOLDING FIXTURE
Elwin M. Strickland, Detroit, Mich., assignor of one-half to Albert F. Wall, Grosse Pointe, Mich.
Application November 24, 1943, Serial No. 511,590
7 Claims. (Cl. 51—97)

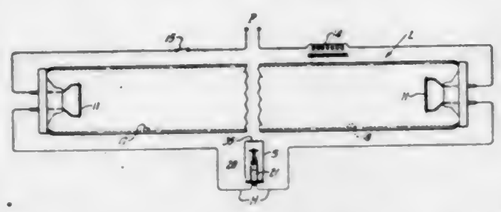


1. A work holding fixture for forming spherical surfaces comprising two yokes having spaced arms, connecting means between said arms, means to oscillate one of the yokes about its longitudinal axis, means to oscillate the other yoke about the intersection of said arms, a work holder carried by one of the yokes to position a piece of work at the intersection of the yokes, and a finishing tool positioned to engage the work.

2,408,492
MANUFACTURE OF SULPHAMIC ACID
Ernest J. Tauch, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 8, 1943, Serial No. 471,743
8 Claims. (Cl. 23—166)

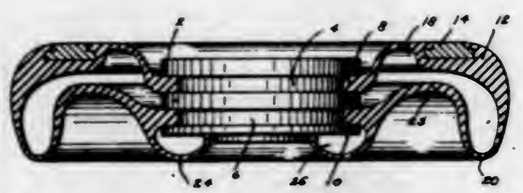
2. In a process for producing sulphamic acid from urea, sulphuric acid, and sulphur trioxide, the steps comprising adding urea, sulphuric acid, and sulphur trioxide to a solid particulate diluent and agitating the solid particulate diluent during the addition, the rate of addition being such that the reaction mass remains apparently dry and particulate thruout the reaction.

2,408,493
STARTING CONTROL FOR ELECTRIC DISCHARGE DEVICES
Mark A. Townsend, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application December 6, 1941, Serial No. 421,941
11 Claims. (Cl. 315—100)



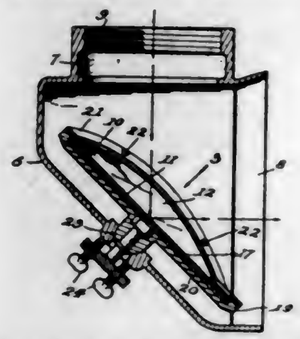
1. The combination of an electric discharge device having a starting circuit comprising automatic switch means responsive to energization of the circuit for interrupting it to start a discharge in the device, and extraneous shunting means also responsive to energization of the circuit for closing the circuit independently of said switch means and suspending further operation of the latter after repeated operation of the switch means has failed to start the discharge.

2,408,494
EARPHONE SOCKET
Paul S. Veneklasen, Saugus, Mass., assignor to the United States of America, represented by the Executive Secretary of the Office of Scientific Research and Development
Application June 7, 1945, Serial No. 598,168
2 Claims. (Cl. 179—182)



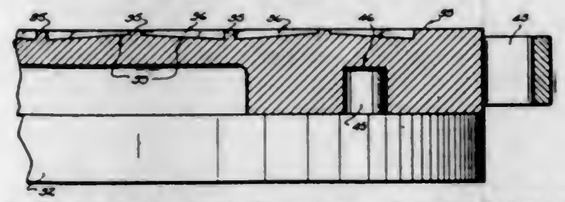
1. An earphone socket comprising an outer sealing section formed with a rolled sealing edge and an inner section for supporting an earphone, said inner section being connected to the outer section by flexible, annular web portions, said inner section further including a sealing rim characterized by an air space, said rim adapted to engage around those portions of an ear adjacent to the concha.

2,408,495
SMOKE INSPECTION DEVICE
Robert Hudson Wager, Maplewood, N. J.
Application June 19, 1945, Serial No. 600,366
3 Claims. (Cl. 88—14)



1. In a smoke inspection device, an observation unit comprising a casing having an upwardly open light inlet and a horizontally open light outlet, a plural-plane mirror in said casing for intercepting light rays entering the casing through said inlet and reflecting said rays through said outlet, said mirror comprising a central flat longitudinally inclined reflecting area having right and left longitudinal edges, and two flat longitudinally inclined lateral reflecting areas having inner longitudinal edges extending along said longitudinal edges of said central reflecting area, said two lateral reflecting areas being inclined transversely at an obtuse angle to said central reflecting area, whereby reflected rays will be visible from a central point in front of said light outlet and from points to the right and left of said central point, and means mounting said plural-plane mirror in said casing.

2,408,496
GLASS SURFACING METHOD AND APPARATUS
George B. Watkins, Toledo, Ohio, and Conrad B. Schafer, Charleston, W. Va., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 23, 1941, Serial No. 403,634
2 Claims. (Cl. 51—283)

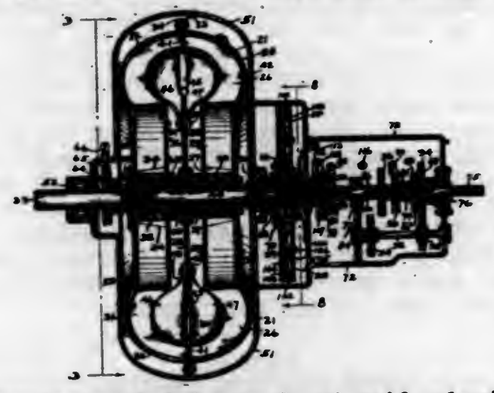


1. The method of forming mirror plates substantially triangular in cross section, comprising supporting a plurality of glass blanks which are substantially rectangular in cross section in a horizontally inclined position, covering said blanks with a bedding material to fill the spaces between adjacent blanks and to provide a flat unbroken surface thereabove, and then simultaneously grinding away the bedding material and the upper inclined surfaces of the glass blanks until said upper surfaces are in a common horizontal plane and at an angle with respect to the bottom surfaces thereof.

2,408,497
POWER COUPLING MEANS
Walter C. Weaner, Muncie, Ind.
Application May 9, 1945, Serial No. 592,904
10 Claims. (Cl. 192—3.2)

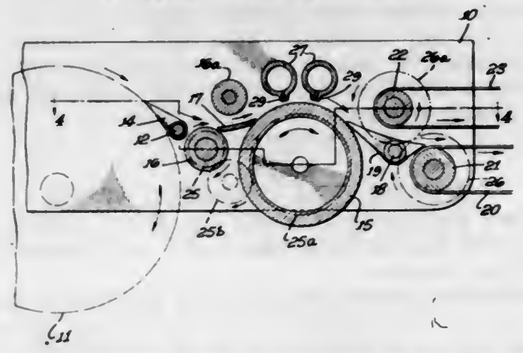
1. A power coupling comprising a driving impeller; a driven turbine wheel; a driven shaft;

mechanical means releasably interconnecting said wheel with said shaft; and stabilizer means yieldingly interconnecting said wheel and said shaft; said mechanical means comprising interlockable



abutments carried by each of said wheel and shaft; and means shiftable longitudinally of said shaft to engage and disengage said abutments; said shiftable means being independent in operation from that of said stabilizer means.

2,408,498
APPARATUS FOR COOLING AND HARDENING WAX CARBON COATINGS
Nelson S. Welk, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation
Application April 24, 1944, Serial No. 532,524
1 Claim. (Cl. 101—416)



In combination with a printing press for printing wax carbon on sheets of paper, said press including a printing cylinder, a cooling cylinder arranged at a spaced distance from the printing cylinder with its axis parallel thereto and revolving at substantially the same peripheral speed, transfer means between the printing cylinder and the cooling cylinder for transferring the sheets from the printing cylinder over the cooling cylinder, a plurality of nozzles arranged longitudinally over the cooling cylinder to direct air jets towards the upper surface thereof whereby sheets directed to the cooling cylinder will pass between said jets and said cooling cylinder, a conveyer for receiving sheets from the cooling cylinder and discharging them from the machine, and transfer means between said conveyer and said cooling cylinder for stripping the sheets from the cooling cylinder and directing them to the conveyer, and string belts overlying the conveyer with their bottom flights spaced over the conveyer to maintain the sheets flatwise on the conveyer.

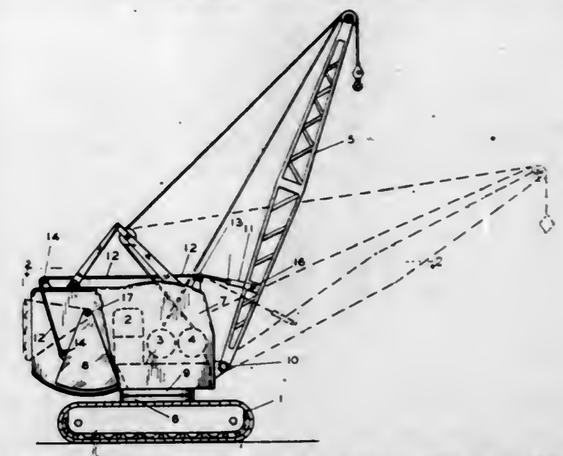
2,408,499
PISTON EXPANDER
Frank E. Wells, Alliance, Ohio
Application August 21, 1945, Serial No. 611,750
7 Claims. (Cl. 309—12)

1. A piston expander for adjusting the skirt of a slotted skirt piston comprising a pair of flanged bushings positioned in openings in the said skirt; a threaded bolt slidably positioned through and between the said flanged bushings; a coil spring positioned around the threaded bolt



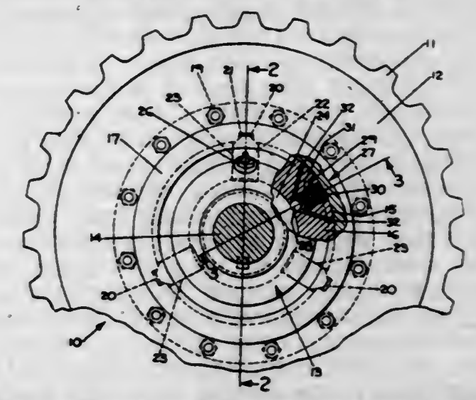
and adjacent to one of the said flanged bushings; a nut threaded on the said threaded bolt and adapted to move the said coil spring against the said flanged bushing so as to suitably expand the skirt of the said piston.

2,408,500
AUTOMATIC COUNTERBALANCE FOR BOOM DERRICKS
Maxwell A. West, Portland, Oreg.
Application September 13, 1944, Serial No. 553,942
5 Claims. (Cl. 212—49)



1. In revoluble derrick machines, a pivoted boom member, means for raising and lowering the boom, a pendulum boom counterbalance weight swingably mounted behind the boom pivot, cable and roller transmissions between said boom and said pendulum weight, said cable operatively connected to the boom near its lower pivoted end so that as the boom lowers and its effective weight increases, the pendulum weight raises and its applied counterbalance effect also increases to substantially counterbalance said boom.

2,408,501
OVERLOAD RELEASE
Fred J. Wright, Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application August 16, 1944, Serial No. 549,767
7 Claims. (Cl. 192—56)



1. An overload release mechanism including a driving member and a driven member mounted

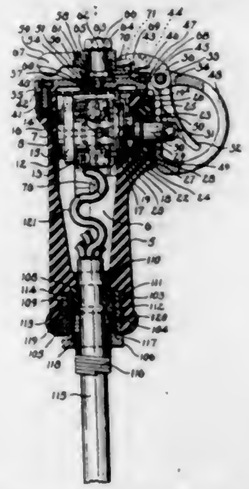
one on the other for relative rotation, overload release mechanism connecting said members, said mechanism including a plunger and a co-operating recess, said plunger working into a chamber filled with grease, a passageway leading from said chamber to contacting surfaces between said driving and driven members, and a relief valve operable under predetermined pressure to provide for flow of grease from said chamber and through said passageway.

2,408,502

WATERPROOF COMBINED ELECTRIC SWITCH AND PISTOL GRIP

Alex A. Writzmann, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application September 21, 1944, Serial No. 555,124
4 Claims. (Cl. 200—157)



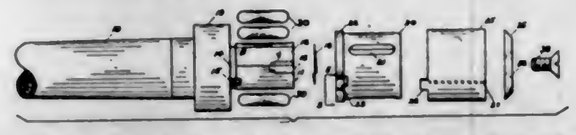
1. In a waterproof combined electric switch and pistol-grip, in combination, a one-piece molded insulating pistol-grip having a passage formed therein by the molding operation and extending from end to end thereof, said passage being of relatively large substantially rectangular contour at one end thereof to bodily receive a switch unit of corresponding form in transverse cross section, said end of said passage being also provided with a plurality of grooves to accommodate the circuit wires associated with said switch, an operating plunger forming a part of said switch and spring biased outwardly with respect thereto, said end of said passage being shaped to require inward compression of said plunger against its bias to provide for insertion of said switch, a side wall of said end of the passage having an opening formed therein to accommodate said plunger in the assembled relation of said parts, a flexible waterproof diaphragm peripherally clamped within said opening and overlying the outer end of said plunger, a metal cover member overlying said end of said passage and attached to said pistol-grip, a rubber-like flexible diaphragm interposed between said cover member and said pistol-grip, a trigger-type lever pivotally attached to said cover member, a second plunger pivotally attached to said lever and alined with said first plunger to effect operation of the latter at will against its bias, the other end of said passage being shaped to slidably accommodate the end portion of a conductor cord having a waterproof covering thereon, said cord including a plurality of individually insulated wires for attachment to the switch terminals, a rubber-like elastic ring positioned within said last mentioned end of said passage, a nut having threaded engagement with said end, said nut being adapted to effect axial compression of said ring to effect water-tight engagement of the inner and outer peripheries thereof with the cord and the pistol-grip respectively and to provide an effective strain relief for said cord, said trigger-type lever having an integral extension formed thereon and adapted to overlie said cover member, a manually operable latch lever also pivotally supported by said cover member, said latch lever in one extreme position thereof being adapted to provide for movement of said trigger-type lever at will to either extreme position, and said latch lever in its other extreme position being adapted to retain said trigger-type lever in the extreme position of the latter corresponding to circuit completing positioning of the switch parts.

2,408,503

PIN CLUTCH ARBOR

Ray Alden Young, Willoughby, Ohio

Application May 24, 1944, Serial No. 537,151
3 Claims. (Cl. 279—2)



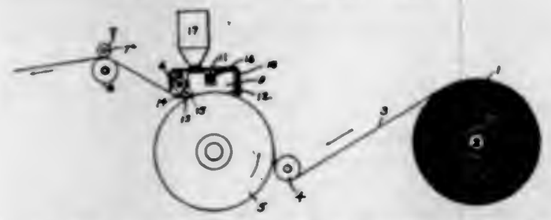
1. In a clutch type arbor of the type including a shoulder, a head attached thereto and a cage having a notch therein mounted thereon, a stop means, comprising, a pin mounted on the shoulder adjacent to the head and engageable with the cage in a manner limiting the rotation thereof, and an expansible sleeve mounted on the cage and having a tab thereon engageable with the aforesaid notch adjacent to the said pin.

2,408,504

MEANS FOR COATING WEBS

Samuel Bergstein, Cincinnati, Ohio, assignor to Robert Morris Bergstein and Frank David Bergstein, trustees

Application September 14, 1944, Serial No. 554,022
14 Claims. (Cl. 91—53)



1. In a coating machine, a draw roll, a doctor blade having an operative edge located adjacent but spaced from the surface of said draw roll, means for moving a web under tension around a substantial circumferential portion of said draw roll and thence tangentially to the operating edge of said doctor blade, means for introducing coating material onto said web adjacent said doctor blade so as to cause said material to dam up against said doctor blade, and means for adjusting the amount of coating applied to said web by angular adjustment of said doctor blade with respect to the tangential path of travel of said blade.
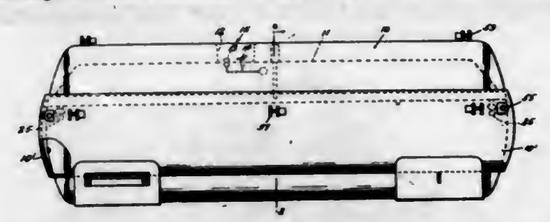
2,408,505

RECEPTACLE FOR FLUIDS

Clarence W. Brandon, Newport, and George M. Brandon, Tallahassee, Fla.

Application March 28, 1945, Serial No. 585,360
16 Claims. (Cl. 114—74)

1. In a tank for the transportation of fluids, the combination of a cylindrical tank body closed at its ends, an arcuate shield secured in fluid tight relationship to the interior of said tank defining a vapor and buoyancy chamber, means



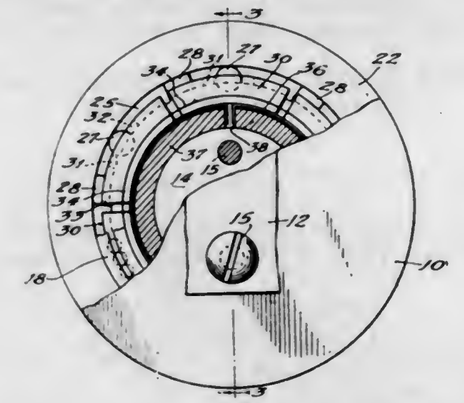
defining a recess in said chamber, valve means for filling said tank in said recess, and a float control for said valve.

2,408,506

REVERSIBLE CLUTCH

Theodore S. Briskin, Joseph Charles Zivny, Alvin Edward Schellschmidt, and Julian Joseph Golick, Chicago, Ill., assignors to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware

Application July 27, 1944, Serial No. 546,818
8 Claims. (Cl. 192—44)



1. A reversible overrunning clutch, comprising an annular rotatable member, an internal ring gear journalled therein, a stationary member on which said annular member is journalled, said ring gear being formed with a peripheral recess which cooperates with the inner surface of said driven member to form a cavity which tapers at both ends, a roller disposed within said cavity and adapted to be wedged at either end of said cavity between the tapering walls thereof, and roller positioning means including a member projecting into said cavity and engaging the roller disposed therein to maintain it at one end of said cavity or the other and having a portion which is maintained in frictional contact with said stationary member whereby the position of said roller in said cavity will be determined by the direction of rotation of said ring gear.

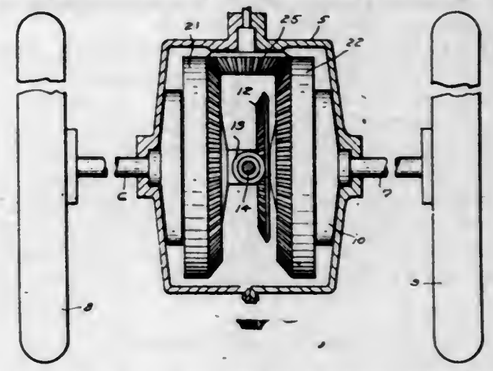
2,408,507

STEERING DRIVE MECHANISM FOR DRIVEN WHEELS

Clifford C. Brown, Clinton, Ohio

Application October 20, 1944, Serial No. 559,542
2 Claims. (Cl. 180—17)

1. A steering drive mechanism for a pair of driven wheels and comprising axles for the wheels, a gear housing rotatably supporting the inner ends of the axles, a head on the inner end of each axle, a shaft journaled in respective heads in alignment with the axles, a driven gear secured to the shaft, planetary gears carried by the heads, gears secured to the shaft engaging said planetary gears, ring gears journaled on the shaft in engagement with the planetary gears, and means controlling the movement of said ring



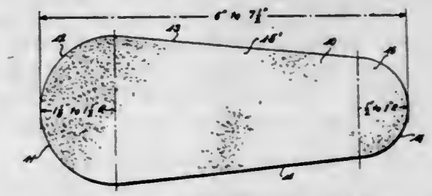
gears to effect an increase in the speed of one of the axles and a corresponding decrease in the speed of the other axle to produce a lag in the wheel attached to said last-named axle.

2,408,508

NONCHAFING CATAMENIAL PAD

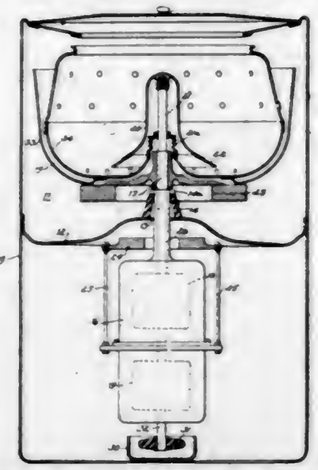
John P. Canavan, Neenah, Wis.

Application December 1, 1942, Serial No. 467,491
3 Claims. (Cl. 128—290)



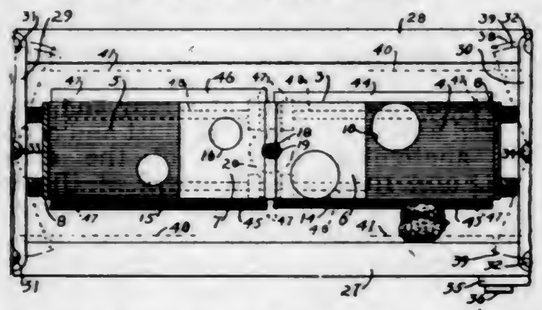
1. A catamenial device comprising: a pad of predetermined shape including a body of absorbent material of substantially uniform thickness having a narrow rear end region, a relatively wider front end region, and an intermediate region of non-uniform width connecting said front and rear regions and providing converging side edges between said front and rear regions, said intermediate and rear end regions being sized and shaped to fit against and conform to the anatomical contour of the external genitalia and the adjacent parts of the inner thighs of the wearer without any substantial lateral compression of said absorbent pad, the over-all length of said absorbent pad being such as to extend from the anus to a point slightly beyond the mons Veneris; and an open mesh gauze sheet of substantially greater length than said absorbent pad enclosing said pad and providing extensions extending rearwardly and forwardly of the ends of said pad adapted to be secured to a suitable sanitary belt, one thickness of said gauze sheet overlying the upper surface of said absorbent pad, the side edges of said sheet being folded in overlapping relation along the lower surface of said pad to provide more than two thicknesses of fabric, said overlapped portions being of a width approximately equal to the narrow rear end region of said absorbent pad and serving as a band-like support underlying the major portion of the area of said pad to prevent roping and twisting of said pad in use and to further provide a rearward gauze extension which will not rope and produce a cutting effect in the gluteal fold, said pad being adapted to be worn with the narrow rear end region terminating at the anus, whereby the usual bunching and packing rearwardly of the anus is eliminated and the discomfort to the wearer incident thereto is avoided.

2,408,509
DOMESTIC APPLIANCE
Kendall Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 14, 1941, Serial No. 406,881
3 Claims. (Cl. 68—23)



1. A machine comprising a frame, a rotatable basket member, an agitator member in said basket member, a power member drivingly connected to said basket member and said agitator member, said members being movably supported on said frame, a non-rotatable vibration damping weight flexibly secured to said power member and being oscillatable with respect to said frame, and a rotatable stabilizing weight carried by said basket.

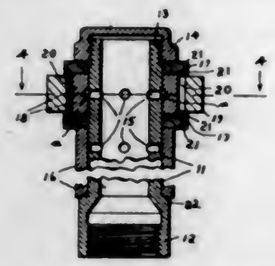
2,408,510
NUT CRACKING MACHINE
Fred F. Feldmann, San Jose, Calif.
Application November 22, 1943, Serial No. 511,370
1 Claim. (Cl. 146—12)



In a machine for cracking nuts the combination of, a fixed horizontal supporting member, plates adjustable for vertical inclination mounted on each side of said member and means for effecting said adjustment, crusher plates disposed in spaced and opposed relation to said first mentioned plates, rocker arms pivotally mounted at their centers on said supporting member and pivotally connected at their ends to said crusher plates to support and actuate the same simultaneously, and means operative to actuate the rocker arms and crusher plates.

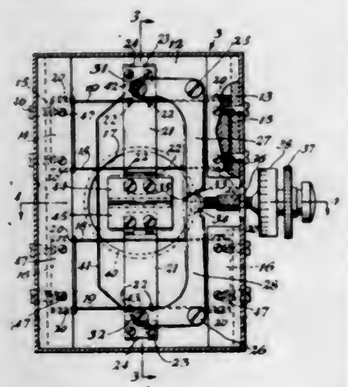
2,408,511
FOG NOZZLE
Thomas J. Gothard, Los Angeles, Calif.
Application October 27, 1943, Serial No. 507,790
6 Claims. (Cl. 299—126)

1. In a fog-nozzle, a tubing with radially extending openings for discharge, a sectioned ring with matching channels in oppositely disposed faces of the sections in form of jets which are in communication with said openings and formed to discharge tangentially from the ring, deflecting rings with vaporizing edges extending beyond the peripheral contours of the first-named ring,



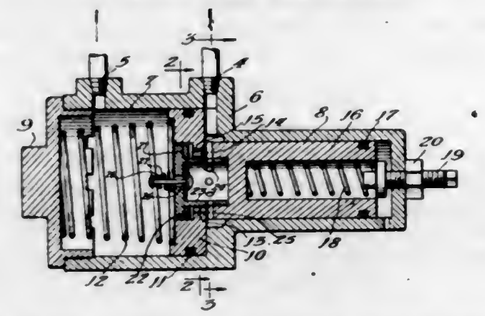
and a rotor on the first-named ring and between the deflecting rings and having actuating means in its inner face in a position to be acted upon by said jets and to discharge towards said vaporizing edges.

2,408,512
DEVICE FOR FORMING SLITS
Albin A. Gradisar, Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association
Application December 30, 1942, Serial No. 470,563
10 Claims. (Cl. 88—61)



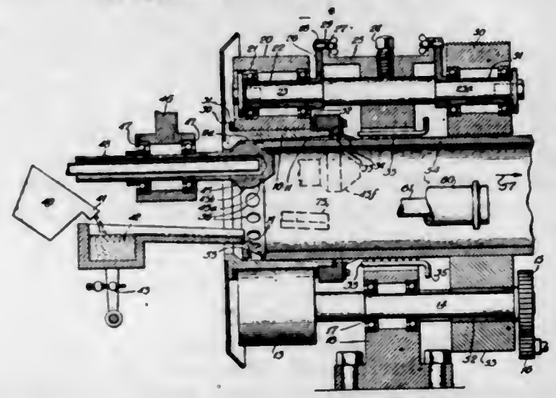
1. A device for forming a slit of precisely adjustable width for admission of a light beam in a spectrometer or like optical system having, in combination, means providing a first slit-defining edge, a jaw member including a jaw providing the second slit-defining edge opposed to said first edge, means mounting said jaw member for adjustment movement in opposite directions normal to said slit toward and away from said first slit-defining edge, said mounting means comprising supports at opposite sides of the path of adjustment of said jaw member and flexible reed means fixed to said member and to said supports and extending transversely of the path of adjustment to float said member between said supports, and adjustment means engaging said jaw member and manipulable in one direction to force said jaw member in one of its said opposite directions of adjustment against the yieldable resistance of said reed means and in the reverse direction to control return movement of said jaw member by the release of tension of said reed means, said reed means being so constructed and arranged as to support said jaw member in a fixed plane, and to be under tension urging said jaw member in one of its said opposite directions of adjustment and into operating contacting engagement with said adjustment means, at all positions of adjustment of said jaw member.

2,408,513
FLUID PRESSURE PRODUCING DEVICE
Ralph R. Gunderson, Chicago, Ill.
Application January 6, 1945, Serial No. 571,582
9 Claims. (Cl. 60—54.6)



1. A fluid pressure producing device comprising: a cylinder member having a cylinder of large diameter and a cylinder of smaller diameter, a piston in the large cylinder, a valve-head seating in said piston, a fluid port in said large cylinder at one end of the travel of said piston and a second port near the other end of said travel, a plunger in said smaller cylinder connected to said valve head, spring means urging said plunger towards said piston to unseat the valve-head, and a spring in the large cylinder urging the piston towards one end of its travel.

2,408,514
METALWORKING PROCESS AND APPARATUS
Clarence W. Hazelett, Greenwich, Conn.
Application April 10, 1943, Serial No. 482,606
19 Claims. (Cl. 22—57.2)

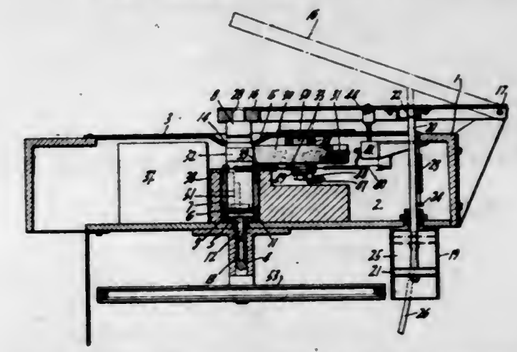


1. A process for forming tubing directly from molten metal that comprises pouring a ribbon of metal directly on a rotating mold member, effecting the solidifying of said metal on said mold member as said mold member rotates, drawing said metal endwise relatively to said mold member while said metal rotates with said mold member, whereby the said metal is in the form of a helical metal ribbon, determining the rotation and endwise movement of the metal at such a rate relatively to the rate of pouring of the metal that the successive convolutions of the helical ribbon of metal deposited on said mold member are at least juxtaposed, and the last convolution is in such a state that the metal last poured on said mold member may be welded to said last convolution, and applying the pressure of a rolling surface radially of said mold member to weld said metal to the last convolution while also applying the pressure of a tapered rolling surface axially of said mold member against the surplus metal flowing lengthwise and from under said first rolling surface onto the last convolution.

2,408,515
TIN DEPOSITING PROCESS
Arthur G. Hopkins, Maspeth, Long Island, N. Y.
No Drawing. Application May 19, 1942,
Serial No. 443,623
2 Claims. (Cl. 117—22)

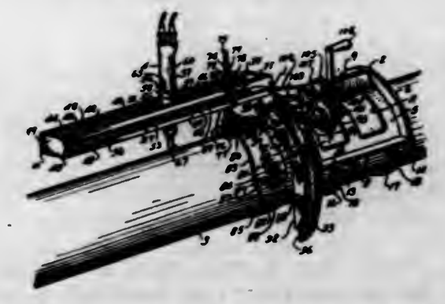
1. The method of depositing tin on an iron surface which consists in coating the iron with powdered tin held in a co-polymer of vinyl chloride and vinyl acetate vehicle and in then heating the same to effect the fusion of the tin particles and their adhesion to the iron surface producing a fused continuous deposit of tin on the iron surface, the vinyl resin serving as a vehicle in the coating application and as a flux in the tin fusing step.

2,408,516
MARKING MACHINE
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application November 28, 1942, Serial No. 467,235
13 Claims. (Cl. 101—7)



6. An identification machine comprising a wheel bearing a peripheral marking device, a rotary holder arranged to engage a work piece at one end and to support the side of the work piece adjacent the periphery of the wheel, means for rotating the holder, a movable journal support for the wheel by which its periphery may be brought into contact with the revolving work piece to be driven thereby for rolling the marking device thereon, movable centering means for engaging the opposite end of the work piece to give support thereto and position the same for the rolling action, and means operable by the centering means for so moving the journal support.

2,408,517
PIPE-CUTTING APPARATUS
Posy A. Howard, Tulsa, Okla., assignor of one-half to C. A. Mathey and one-half to C. B. Harter, Tulsa, Okla.
Application September 4, 1943, Serial No. 501,271
2 Claims. (Cl. 33—21)



1. In a pipe cutting apparatus, segmental ring and track members having ends spaced apart to pass the members over a pipe to be cut, a saddle

supporting the track member, means on the saddle having engagement with the pipe for positioning the axis of the track member concentric with the axis of the pipe, clamping means for securing the saddle to the pipe, a pair of driving members supported in fixed relation to the saddle and having driving contact with the segmental ring for moving the ring member on the track member, means on the ring member for mounting an instrument for movement longitudinally of the pipe, a templet about the pipe adapted to fit against one side of said segmental track and provided with a guiding edge, a templet follower operatively engaged with the instrument and movable toward the pipe, a flange on the follower for engagement with the templet for limiting movement of said follower toward the pipe, and means for resiliently urging said templet follower to engage with the templet for controlling the cut of the pipe in accordance with the shape of the templet.

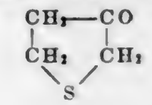
2,408,518

THIOPHAN-3-ONE AND PROCESS FOR THE MANUFACTURE OF SAME

Paul Karrer, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application March 22, 1943, Serial No. 480,090. In Switzerland April 16, 1942
2 Claims. (Cl. 260—329)

2. Thiophan-3-one of the formula



2,408,519

MANUFACTURE OF 4-KETO-TETRAHYDROTHIOPHENES

Anthony William d'Aubigny Avison, Franz Bergel, and John Wynne Haworth, Welwyn Garden City, England, assignors to Roche Products Limited, Welwyn Garden City, England

No Drawing. Application July 7, 1944, Serial No. 543,768. In Great Britain July 6, 1943
3 Claims. (Cl. 260—329)

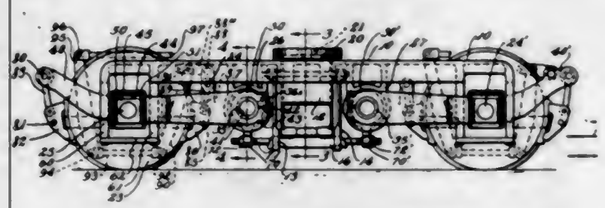
3. 4-keto - tetrahydrothiophenes carrying substituents in the 2-position selected from the group consisting of alkyl, substituted-alkyl, aryl, fatty acid and fatty acid ester groups.

2,408,520

TRUCK FOR RAIL VEHICLES

Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application June 29, 1943, Serial No. 492,687
9 Claims. (Cl. 105—190)



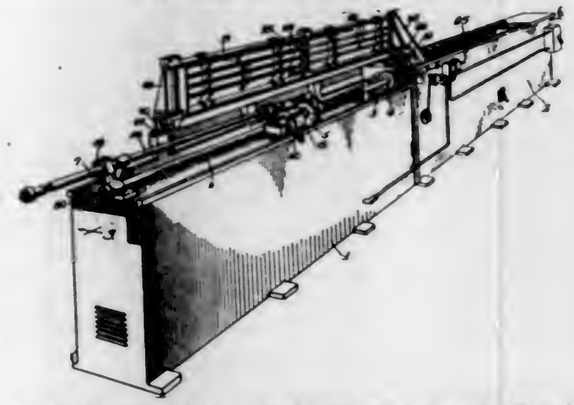
1. A truck for a rail vehicle comprising a bolster for supporting the body of a vehicle, a frame structure from which said bolster is suspended, a tubular housing adjustably fixed to said frame structure and extending laterally of the truck from side to side thereof to constitute a frame member, a shaft extending axially within said housing, a resilient torsion bushing between said housing and said shaft, said bushing being fixed to said housing and said shaft for torsional flexing, a rail wheel, and an arm adjustably fixed to said shaft and having a journal box for engaging the axle of said wheel.

2,408,521

BROACHING MACHINE

Francis J. Lapointe, Ann Arbor, Mich., assignor to American Broach & Machine Co., Ann Arbor, Mich., a corporation of Michigan

Application February 10, 1942, Serial No. 430,235
16 Claims. (Cl. 90—33)



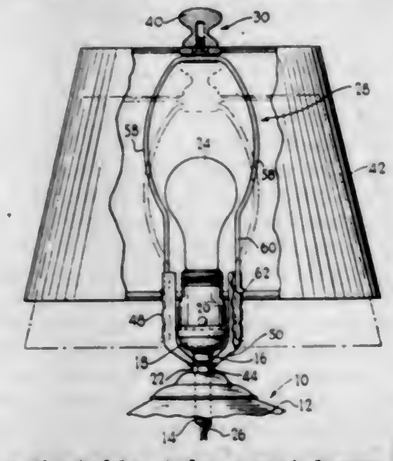
1. In a broaching machine, a horizontally elongated frame, a pull head mounted for horizontal reciprocation thereon, a broach connected to the pull head, work supporting means for a work piece having a bore to be broached, a tube for coolant, closed at one end, alignable with the bore of the work piece and provided with means at its other end to form a disengageable sealed connection with said bore, said tube being dimensioned to enclose the broach when the latter is positioned at the beginning of its working stroke, and supporting means for said tube on which said tube is movable out of connection with said bore into a position exposing the open end of the tube for entry of the broach therein.

2,408,522

LAMP HARP

David Leef, Bronx, N. Y.

Application March 24, 1945, Serial No. 584,713
2 Claims. (Cl. 240—148)



1. An adjustable, take-apart lamp harp comprising a socket-carried attaching bracket including two upwardly extending straight arms of U-shaped cross-sectional configuration whose

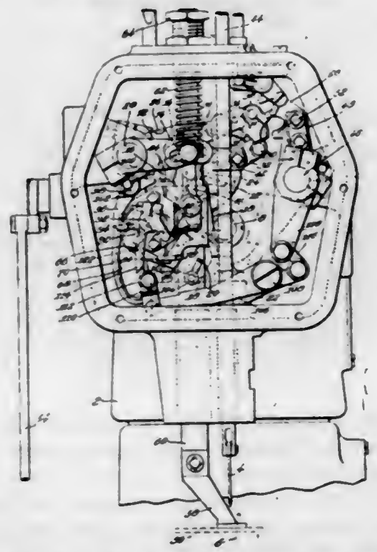
open sides face toward the center of the bracket, the closed sides of the arms each having a series of vertically spaced apertures therein, each of the apertures in one of said arms being horizontally registered with an aperture in the other arm, and a resilient shade-carrying bail comprising, a top from which a pair of spaced straight legs depend, said legs each terminating in outwardly extending aligned projections normally spaced apart a distance greater than the distance between the closed sides of the arms of the bracket, said projections being freely receivable in any pair of horizontally registered apertures and each leg at such time having substantially diametrically opposite portions along its length bearing against said arms whereby said bail will firmly be held erect in any adjusted position thereof.

2,408,523

PRESSER FOOT MECHANISM FOR SEWING MACHINES

Bernard T. Leveque, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application June 23, 1943, Serial No. 491,863. Divided and this application July 27, 1945, Serial No. 607,292
8 Claims. (Cl. 112—61)



1. A sewing machine having, in combination, stitch forming devices, a work support, a presser foot, a sliding spring-pressed presser foot bar for urging the presser foot yieldingly against the work on the work support, and means for actuating the presser foot positively toward and from the work during each sewing cycle, comprising a lock supporting block slidingly mounted on the presser foot bar, mechanism acting in two directions to move the block, and a two-way clutch for locking the block to the presser foot bar.

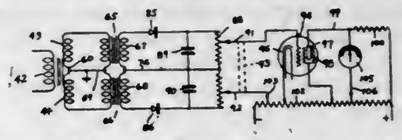
2,408,524

ELECTRIC GAUGE

Ricardo Mestas, Los Angeles, Calif., assignor to Kobe, Inc., Huntington Park, Calif., a corporation of California

Application August 3, 1940, Serial No. 350,939
20 Claims. (Cl. 177—351)

1. In an electrical measuring device, the combination of: means providing two flux paths; an element movable in one direction to increase the reluctance of one flux path while relatedly decreasing the reluctance of the other flux path and movable in a different direction to decrease the reluctance of said one flux path while relatedly increasing the reluctance of the other flux path; two windings respectively linked with said flux paths and each providing two terminals, one terminal of one of said windings being electrically common with respect to one terminal of the other of said windings to maintain these two terminals at the same potential; means for energizing said windings from a source of alternating potential to produce a potential difference across each of said windings whereby the ratio of said potentials across said windings changes with movement of said element; two rectifier means respec-



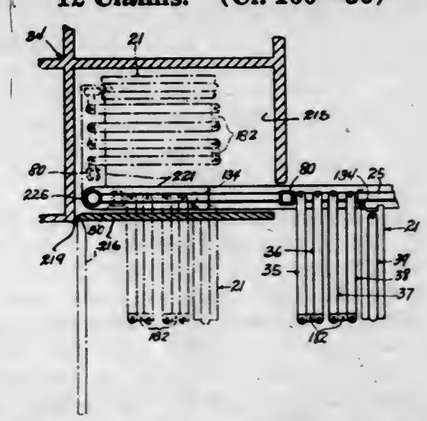
tively connected to the remaining end terminals of said windings to pass current in the same direction with respect to the remaining end terminals of said windings; and a center-tapped output impedance means and means for connecting same across the output of said two rectifier means and for connecting the center tap to said electrically common terminals of said windings, said output impedance means including a bi-directional meter responsive to changes in direction and magnitude of the potential across the output of said two rectifier means to indicate the direction and magnitude of movement of said element.

2,408,525

FOLDING DOOR

Robert A. Miller, Tarentum, and Carroll Howard, Rochester, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application July 13, 1944, Serial No. 544,800
12 Claims. (Cl. 160—36)



1. A folding door structure comprising a plurality of upright doors, track means having connections with the doors for guiding them horizontally while maintaining said doors in an upright position, hinges connecting adjacent doors and carrying them for folding movements on vertical axes, one of said doors having an additional pivotal support movable with the door structure along the track means and supporting said door for opening and closing action independently of said hinges.

2,408,526

GLASS SUPPORTING SKELETON MOLD

Gerald Z. Minton, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application January 10, 1944, Serial No. 517,665
9 Claims. (Cl. 49—67)

1. In an openwork structure for supporting a sheet of glass incidental to heat treatment there-

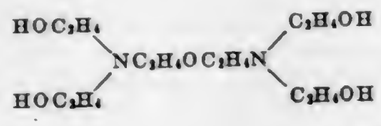
of, a polygonal frame normally disposed in a horizontal position, and a plurality of upright wires secured upon the sides and ends of the frame in spaced relation to one another, said wires having spaced upper angular extensions



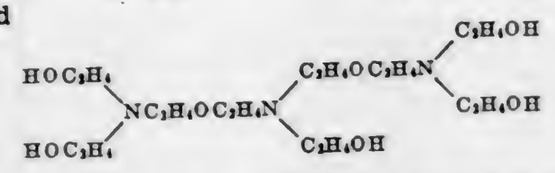
defining as a group a curved contour corresponding substantially to the marginal shape of the sheet of glass and adapted to support a sheet of glass conforming to the curvature defined by said extensions.

2,408,527
PROCESSES FOR REDUCING OR PREVENTING FOAM
Louis T. Monson, Alhambra, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 1, 1944, Serial No. 516,707
7 Claims. (Cl. 252—321)

1. A process for destroying or reducing foam, characterized by subjecting a foaming composition to the action of a reagent comprising a basic acylated polyaminoalcohol; said acylated polyaminoalcohol being a member of the class consisting of

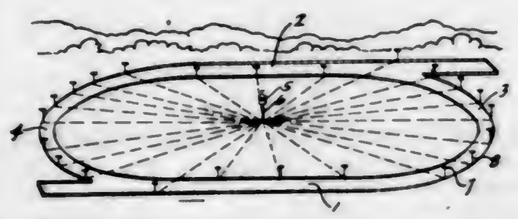


and



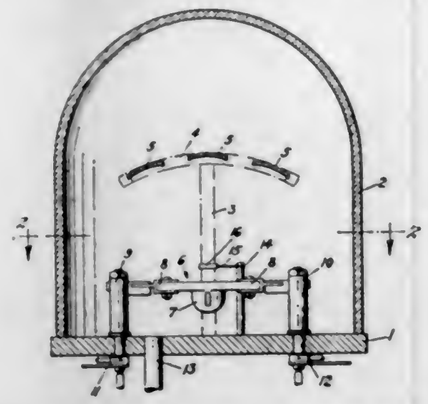
in which one hydroxyl hydrogen atom has been replaced by RCO, the acyl radical of a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms; said amino compound being selected from the class consisting of the anhydro base, the hydrated base, and salts; said amino compound being selected from the class consisting of the anhydro base, the hydrated base, and salts.

2,408,528
RACE RECORDING SYSTEM
Edward Nassour, Los Angeles, Calif.
Application January 16, 1945, Serial No. 572,989
4 Claims. (Cl. 88—16)



1. In an apparatus for recording a race around a closed track, the combination of: a series of motion picture cameras arranged in spaced relation to each other around said track, each of said cameras being positioned with its optical axis extending lengthwise of the track segment to which it is adjacent to dispose such track segment in the field of view of the camera, control means for each of the cameras to control the starting and stopping of photographing the respective track segments by respective cameras, a sighting device, means mounting said sighting device for movement by an observer to maintain the field of vision of said sighting device upon a race as the race progresses about said track, and means actuated by movement of said sighting device for actuating the control means for each camera successively as a race progresses into the field of view of the respective camera adjacent the segment then within the field of vision of said sighting device.

2,408,529
APPARATUS FOR TREATING ARTICLES
Harold Osterberg, Gilbert E. Pride, and Paul C. Heijn, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association
Application August 17, 1943, Serial No. 498,972
5 Claims. (Cl. 91—12.2)

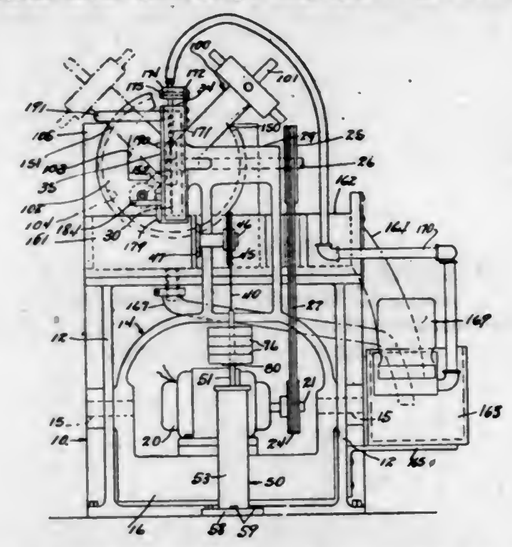


1. Apparatus for coating a workpiece by vacuum distillation comprising means providing a vacuum chamber, means for supporting the workpiece within said chamber, means for vaporizing the coating material, said last mentioned means directing the vaporized material along a widening path toward the workpiece, and an annular vignetting member positioned in said path to alter the distribution of the vaporized material received by said workpiece by the shadow cast by said member, said shadow on said workpiece being partial centrally of said path and changing in intensity toward the outer portions thereof.

2,408,530
APPARATUS FOR CUTTING PRISMS
William Owen, Pittsburgh, and Ivan G. Peck, Ford City, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application April 11, 1944, Serial No. 530,576
12 Claims. (Cl. 125—14)

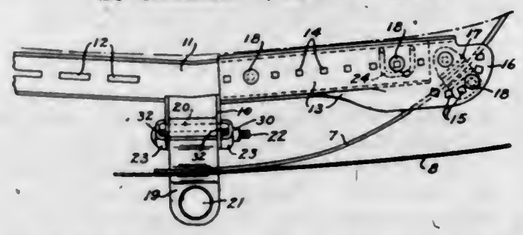
1. A glass sewing apparatus comprising a pair of disk cutters disposed in substantially the same plane, means supporting said cutters for movement toward and away from each other in said plane, a support for positioning a glass slab between said cutters, means connected to the cutters and urging them toward each other against opposite portions of the glass slab, stops on the cutter supporting means to limit movement of the cutters toward each other and permitting

concurrent movement of the cutters in the same direction after said stops engage each other, and



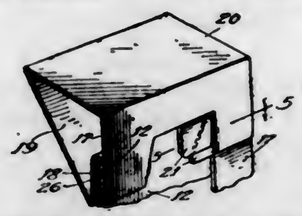
power means connected to the cutters for rotatably driving them.

2,408,531
TRAILER HITCH
Howard C. Riemann, West Milwaukee, and Joel R. Thorp, West Allis, Wis., assignors to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application December 18, 1944, Serial No. 568,576
13 Claims. (Cl. 280—33.44)



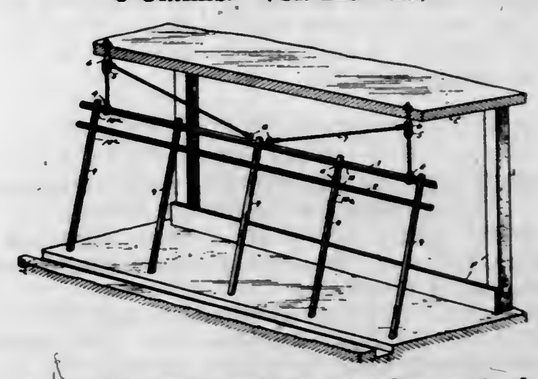
1. In a trailer hitch, a bracket having fixed laterally spaced side walls and rigid arms extending outwardly away from said walls, a coupling member swingably suspended from said bracket between said walls, supporting members for said bracket secured to said arms and being independently slidably adjustable therealong, and a clamp swingably adjustable about a vertical pivot relative to the outer end portion of each of said supporting members.

2,408,532
COLLAPSIBLE FRAMED DISPLAY
Earl M. Roach, Chicago, Ill., assignor to Arvey Corporation, Chicago, Ill., a corporation of Illinois
Application May 10, 1944, Serial No. 534,963
2 Claims. (Cl. 40—155)



1. In a collapsible display formed of a single sheet of foldable material to receive a picture sheet, a rectangular blank of cardboard having cut-away corners and score lines extending parallel to each of the sides thereof to provide a central panel and side panels, each of said side panels having a first section foldable so as to overlie a marginal edge of the face of the central panel and form a recess for receiving a side edge of a picture sheet therein, a second section inclined outwardly from said first section, a third section extending rearwardly to terminate adjacent the plane of said central panel, and a fourth section extending inwardly for engagement aaginst the back side of said central panel, said second sections having interlocking tabs and slots formed at the ends thereof to interlock said second sections together for maintaining said first sections against the face of said central panel, and hook tabs provided on said fourth sections for locking said fourth sections together against the back side of said central panel.

2,408,533
CATTLE STALL PARTITION APPLIANCE
Louis C. Russell, McGraw, N. Y.
Application June 9, 1944, Serial No. 539,547
5 Claims. (Cl. 119—15)



1. A cattle stall partition appliance including a horizontal overhead bar common to a plurality of stalls, means for flexibly suspending the bar from the ceiling to swing forward and rearward, and upright partition bars suspended from the horizontal bar to swing with the overhead bar forward and rearward and extending to the floor, all whereby the partition bars are shiftable into and out of operative partition forming position.

2,408,534
LUBRICATING SYSTEM FOR ROCK DRILLS
Otto J. Schorer, Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application July 31, 1945, Serial No. 607,941
3 Claims. (Cl. 184—55)



1. In a lubricating device for rock drill the combination of a cylinder, a piston reciprocable therein and having a head, a valve chamber in the rear end of said cylinder, a front head for the cylinder, said cylinder provided with ports and passages for the distribution of pressure air, said cylinder provided with an oil chamber, said front head having an oil chamber therein, a passage in the cylinder establishing communication between the oil chamber in the cylinder and the oil chamber in said front head, said front head having a passageway cut therein opening from

its contained oil chamber into the cylinder in front of the forward end of the piston head, and said cylinder having a passageway therein establishing communication between the cylinder contained oil chamber and one of said cylinder contained pressure air passageways.

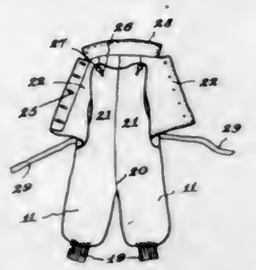
2,408,535
THROMBOPLASTIN PRODUCT AND PROCESS FOR PREPARATION OF SAME
Harry P. Smith, Iowa City, Iowa, assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Original application April 29, 1940, Serial No. 332,397. Divided and this application June 22, 1942, Serial No. 448,033
5 Claims. (Cl. 167—74)

4. Process for the preparation of antithrombin-free thromboplastin completely soluble in saline which comprises first removing part of the impurities from an extract containing thromboplastin with magnesium hydroxide, adding a protein-precipitating salt, separating and redissolving the precipitate in physiological saline solution and removing said protein-precipitating salt by dialysis of said solution against a physiological saline solution.

2,408,536
PROTHROMBIN PRODUCT AND PROCESS FOR PREPARATION OF SAME
Harry P. Smith, Iowa City, Iowa, assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Original application April 29, 1940, Serial No. 332,397. Divided and this application June 22, 1942, Serial No. 448,034
7 Claims. (Cl. 167—74)

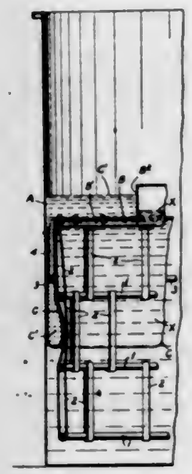
1. Process for the preparation of antithrombin-free prothrombin from a plasma product containing prothrombin and antithrombin which comprises removing by isoelectric precipitation sufficient antithrombins from the plasma product to enable magnesium hydroxide to preferentially adsorb prothrombin from antithrombin and thereafter adsorbing and separating the prothrombin away from antithrombin.

2,408,537
ONE-PIECE GARMENT
Joseph Weingarten, Bronx, N. Y.
Application April 29, 1944, Serial No. 533,299
2 Claims. (Cl. 2—80)



1. A one-piece garment comprising a lower section including leg members, a tongue foldably connected with said lower section at the front thereof dimensioned and foldable in upright relation to said lower section to cover the upper body and chest of the wearer, an upper section connected with said lower section and including a back and sleeve members, co-operating coat-members foldably associated with said upper section and extending below the waist line at the front of the garment in detached relation thereto, said coat-members being foldable over said upright tongue in external relation thereto to simulate a coat, co-operating means on said upper section and said tongue for detachably securing the latter in its upright position, and means for securing said coat-members in detachable connection with each other externally over said tongue.

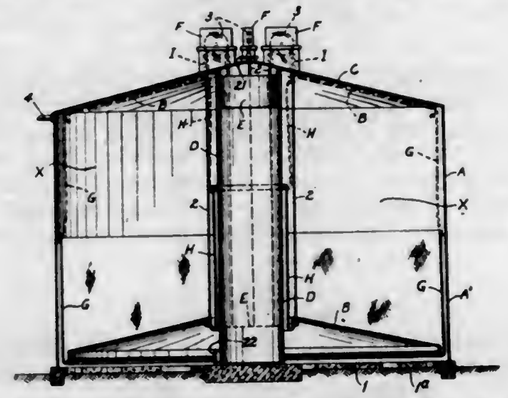
2,408,538
LIQUID STORAGE APPARATUS
John H. Wiggins, Chicago, Ill.
Application December 24, 1943, Serial No. 515,618
4 Claims. (Cl. 220—26)



1. In a liquid storage apparatus, the combination of a container for holding the liquid being stored, a floating roof sustained by the stored liquid, an annular, flexible, liquid-impervious sealing element attached to the peripheral edge of the roof and to the side wall of the container substantially midway of its height so that in the extreme high and low positions of the roof said element will be distended or stretched in substantially parallel relation to the side wall of the container and in an intermediate position of the roof said element will form a downwardly hanging loop which is open at its upper end, a body of mobile liquid that is adapted to flow into and out of the loop of said sealing element and into and out of the space between said element and the side wall of the container during the rise and fall of the roof, and a trough that is adapted to hold said mobile liquid, the bottom and one side wall of said trough being formed by portions of the roof and the opposed side wall of said trough being formed by the flexible sealing element when the roof is at or near its extreme low position and by the side wall portion of the container when the roof is at or near its extreme high position.

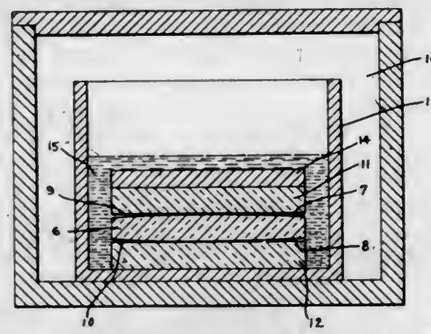
2,408,539
FLUID STORAGE APPARATUS
John H. Wiggins, Chicago, Ill.
Application January 27, 1944, Serial No. 519,957
12 Claims. (Cl. 48—178)

1. In a fluid storage apparatus, the combination of a countainer provided with a roof that constitutes the top wall of the storage chamber of the apparatus, a vertically-movable member in said container which forms the bottom wall of the storage chamber and which is adapted to move upwardly into approximately nested relationship or touching contact with said roof at the end of the upward stroke of said vertically-movable member, a counter-weighting mechanism for said vertically-movable member including a weight, a cable or the like attached to the weight and to said vertically-movable member and extending upwardly from said member through an opening in the roof, a pulley over



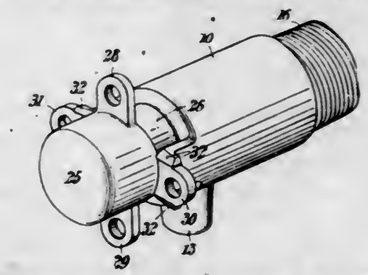
which said cable travels, a vertically-disposed, tubular member projecting upwardly through the container and attached to the roof so as to constitute a support for the roof, the weight of said counterweighting mechanism being housed by said tubular member, and a housing for the pulley arranged outside of the storage chamber above and on the top side of the roof of the container.

2,408,540
METHOD OF FORMING SCRATCH-RESISTANT ARTICLES
William Ewart Williams, New York, N. Y.
Application January 12, 1942, Serial No. 426,478
3 Claims. (Cl. 18—47.5)



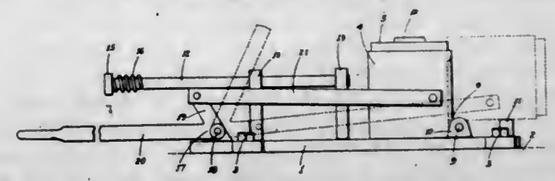
1. The method of forming an article of the character described and of simultaneously producing an inorganic outer layer on said article more resistant to scratching than the material of said article comprising forming a bath containing a compound selected from a group consisting of aluminum ethoxide, ethyl silicate, magnesium methoxide and magnesium ethoxide dissolved in a liquid selected from the group consisting of xylol, methyl alcohol, and anhydrous ethyl acohol, placing a blank of organic synthetic resin of a type capable of being superficially softened by the bath and having water therein of an amount sufficient to react with the compound in the bath between forming dies having finished optical surfaces thereon of the contour desired to be formed on the article, placing the assembly in the bath, exerting a pressure on one of said dies in the direction of the other of said dies, subjecting said assembly in said bath to a controlled temperature of an amount and for a time interval sufficient to cause the compound in the bath to react with the water in the material of the blank to form a layer of the reaction product on said blank and for the bath to slightly soften the outer surfaces of the blank and, under the pressure of the dies thereon, cause said surfaces to assume the approximate shape of the contiguous surfaces of the dies, removing said assembly from the bath and subjecting said assembly to a drying atmosphere of a controlled temperature and for a time interval sufficient to properly set the surfaces to the shape of the dies.

2,408,541
FAUCET
Ronald M. Wilson, Devon, Pa., assignor, by mesne assignments, to William M. Wilson's Sons, Inc., Lansdale, Pa., a corporation of Pennsylvania
Application March 9, 1944, Serial No. 525,654
10 Claims. (Cl. 251—163)



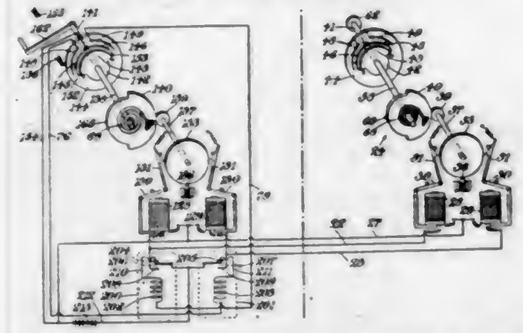
1. In a faucet of the character described, an axially-straight hollow body closed at one end and open at the other, and having a lateral outlet and an ear adjacent its closed end; a closure member with a resilient portion adapted to close against a seat to normally prevent flow through the body; spring means to normally maintain the closure member in engagement with its seat; a stem extending from the closure member through the closed end of the body and axially movable against the spring pressure to open the valve; and a rotatable keeper element at the outer end of the stem having an ear which, upon partial rotation of said element from a normal inactive position is brought into registry with the ear on the body to permit application of a padlock or the like.

2,408,542
FORGING DIE AND MOUNT ASSEMBLY
Floyd H. Wyman and Joseph M. Malik, Toccoa, Ga., assignors to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application November 17, 1942, Serial No. 465,860
5 Claims. (Cl. 78—96)



3. A forging die and mount assembly comprising a base, a normally upstanding, upwardly opening cavity die on the base, means pivoting the die for tip-over movement in one direction to a laterally opening position, said die having a bottom opening, a forging drive out rod, an upstanding guide member slidably mounting said rod above the base in axial alinement with the bottom opening in the die when the latter is in said laterally opening position, said rod being normally clear of the die but axially movable through said opening, an enlarged head on the end of the rod opposite the die, and a compression spring on the rod between the head and guide member.

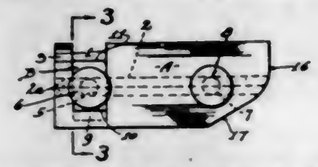
2,408,543
ELECTRICALLY OPERATED DISTANT-CONTROL DEVICE
Alfred Arnot, Warrington, England, assignor to Aeronautical & Mechanical Investments Limited, a British company
Application December 16, 1942, Serial No. 469,270
In Great Britain September 22, 1941
1 Claim. (Cl. 172—239)



Electrically-operated distant-control apparatus having in combination, in a transmitter, a movable control member, a follower therefor, a cam and cam-engaging member carried one by the control member and the other by the follower, the cam having a contact-operating portion which when the follower is in synchronism with the control member is in close proximity to the cam-engaging member, idle sections of the cam adjoining said contact-operating portion, two pairs of make-and-break contacts operated by the cam-engaging member so that one pair of contacts is altered when the control member moves relatively to its follower from a position of synchronism therewith in one direction and the other pair when it moves in the other direction, two ratchet-operating repeating-relays the energizing circuits of which are controlled one by one of the said pairs of contacts and the other by the other pair, line contacts repeatedly actuated by the relays when energized for making and breaking line circuits and thereby sending out repeated line signals, electromagnetically operated ratchet mechanism at the transmitter energized by said line signals and operatively connected to the follower to move it after the control member, at least one of the ratchet mechanisms comprising oppositely-handed ratchet teeth on a single shaft engaged by pawls, one pawl for moving the shaft in one direction and the other pawl for moving the shaft in the other direction and wherein the shaft is connected to the means for operating the contacts through a reduction gear so that the number of steps executed by the ratchet-operating relays in bringing the follower to its desired position is increased, said reduction gear comprising a gap for the purpose of automatically synchronizing the transmitter and receiver at the extreme of movement of the parts in one direction or the other, and, in a receiver, similar magnetically operated ratchet mechanism operated in step with that of the transmitter by the same line signals to actuate a part to be controlled.

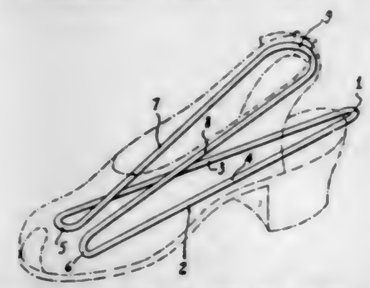
2,408,544
TWIST DRILL SHARPENER
Joseph Banner, Los Angeles, Calif.
Application January 1, 1945, Serial No. 570,933
5 Claims. (Cl. 51—219)

1. A drill sharpening fixture comprising: a body formed with a transverse recess and a longitudinal hole extended entirely therethrough and open at opposite ends of the body, a clamping member mounted in the recess of the body and rotatable on the body to an extent of one hundred eighty degrees in a transverse plane and also having a hole therethrough in registration with the hole in the body for receiving and supporting a drill in sharpening position, said clamp-



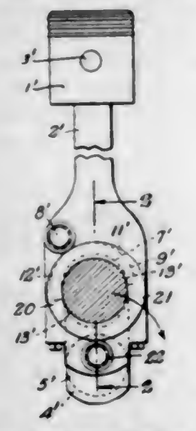
ing member being rotatable on the body about the axis of and with the supported drill, and separate means for locking the clamping member on the drill and the drill on the body so that when a cutting lip of the drill is positioned relative to a surface of said body the drill may be held in a fixed position during a sharpening operation.

2,408,545
SHOE TREE
Katherine Barber, West Los Angeles, Calif.
Application November 26, 1945, Serial No. 630,794
7 Claims. (Cl. 12—128.2)



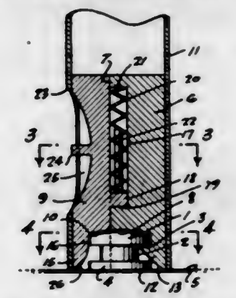
1. In a shoe tree, the combination of: a sole-engaging member comprising a pair of arms disposed to define a V-shape; a vamp-engaging member comprising a pair of arms disposed to define another V-shape, the apex of said latter V-shape being disposed between the arms of said first-named V-shape, and the planes of said V-shapes being disposed at an acute angle relative to each other; a toe-engaging member comprising curved portions joining the apex of said latter V-shape with the upper ends of the arms of said first-named V-shape; and a heel strap engaging member comprising a semi-circular portion joining the upper ends of the arms of said latter V-shape.

2,408,546
MECHANICAL MOVEMENT
Joseph D. Bell, San Francisco, Calif.
Application April 26, 1943, Serial No. 484,646
6 Claims. (Cl. 74—44)



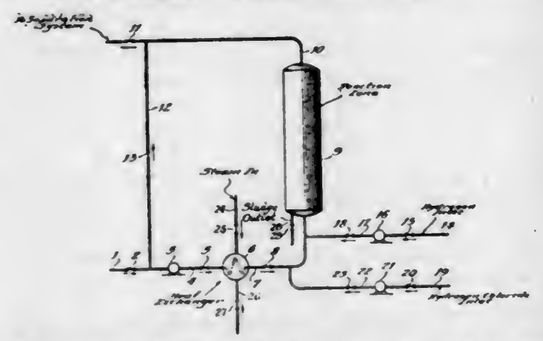
1. In a power transmitting device, a rotary member having a crank therein, a reciprocating member having a connecting rod pivoted thereto, cooperative wedge members on the crank and the rod for transmitting motion from the rod to the crank, and cooperative members on the rod and the crank for controlling lengthwise movement with respect to the cam.

2,408,547
COUPLING
Frederick E. Bertschinger, Los Angeles, Calif., assignor to Standard Cabinet Works, Inc., Los Angeles, Calif., a corporation of California
Application August 18, 1944, Serial No. 549,979
10 Claims. (Cl. 287—20)



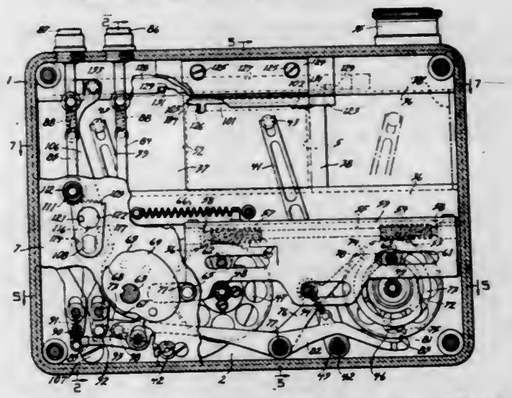
1. In a device of the character described: a first coupling element having a head forming an abrupt shoulder beneath the head; and a second coupling element having a pair of relatively movable parts that together define a recess for the head; one of said parts having a projection extending beneath the head; the other part being movable in a direction longitudinally of the coupling and having a longitudinally sloping surface engageable with said head, said second coupling element also having a resilient device for urging the other part into co-operative locking relation with the said one of said parts, said sloping surface by engagement with said head, serving upon movement of said other part to locking relation, to urge said head into position on said projection.

2,408,548
ISOMERIZATION OF NORMALLY LIQUID HYDROCARBONS
Herman S. Bloch, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 10, 1942, Serial No. 468,496
6 Claims. (Cl. 260—683.5)



1. A process for the isomerization of a saturated hydorcarbon charging stock which comprises commingling with said charging stock a recycle stock formed as hereinafter set forth, passing the resultant combined feed at isomerizing temperature through a reaction zone containing a catalyst bed comprising a Friedel-Crafts metal halide isomerizing catalyst and therein effecting substantial isomerization of the charging stock, removing the resultant products from said zone and separating the same into portions of like composition, withdrawing one of said portions from the process, commingling another of said portions with the saturated hydrocarbon charging stock as said recycle stock, the amount of charging stock in the resultant combined feed being substantially equivalent to the amount of said portion of the products withdrawn from the process, and regulating the amount of said other portion of the products in the combined feed to provide in the reaction zone a linear velocity for the combined feed of at least 20 centimeters per hour, a residence time not in excess of about 15 hours and a space velocity not below about 0.4 measured as volumes of combined feed per volume of catalyst bed per hour.

2,408,549
PHOTOGRAPHIC CAMERA
George A. Brueske, Wayzata, Minn., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application January 6, 1943, Serial No. 471,411
12 Claims. (Cl. 95—55)

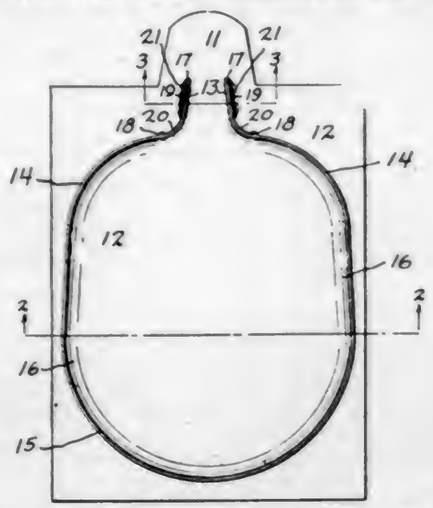


1. In a device of the character described, the combination with an exposure shutter including a revoluble element operative with continued rotation thereof to effect successive exposure cycles of the shutter, of a revoluble abutment stop element operatively connected with said revoluble shutter element to rotate in timed relation therewith, a second abutment stop element positionable in and out of abutting relation with said revoluble stop element and operative to stop the shutter in closed position, a third abutment stop element positionable in and out of abutting relation with said revoluble stop element and operative to stop the shutter in closed position in advance of stoppage of the shutter by said second stop element, means yieldably urging said second and third stop elements respectively into and out of said abutting relation, two control means respectively operative on said second and third stop elements for actuating the same respectively out of and into said abutting relation, and a one-way connection operative between said second and third stop elements to position said second stop element out of said abutting relation upon positioning of said third stop element in said abutting relation and to permit positioning of said second stop element out of said abutting relation while said third stop element is out of said abutting relation.

2,408,550
BED SERVICE SET
Theodore D. Crane, Council Bluffs, Iowa
Application May 19, 1943, Serial No. 487,572
3 Claims. (Cl. 4—112)

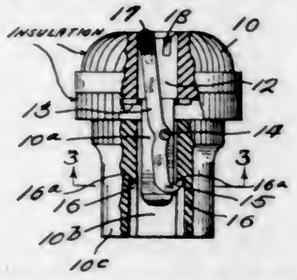
1. A bed service set comprising a flat thin base member, an excretion receiving member adapted

to be positioned on said flat thin member, said excretion receiving member including vertically positioned side walls including a forward gateway for receiving rectal discharges, said vertical



walls being of soft resilient material, said gateway being of resilient material, means for stiffening said gate-way to provide relative rigidity thereto, including a pair of flat spring members attached to the gate-way.

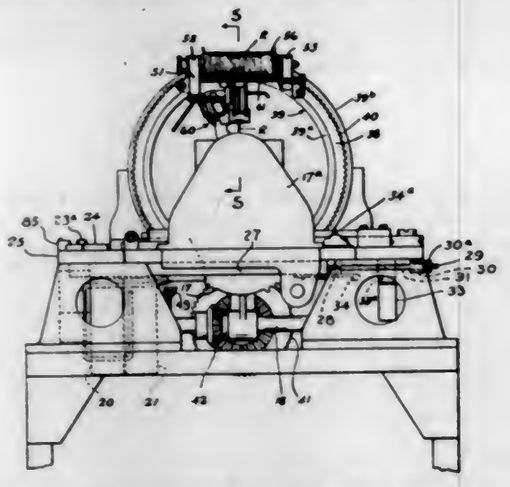
2,408,551
SELF-LATCHING ELECTRIC PLUG
Louis Frank, Fellows, Calif.
Application September 20, 1943, Serial No. 503,042
2 Claims. (Cl. 173—343)



1. The combination with a two part electric plug connector, one of the parts of which is provided with a contact finger, the other part being provided with an opening for the reception of said finger, of an arm pivoted on said contact finger, a hook on the lower end of said arm, there being a shoulder formed in the body of the member having said contact finger receiving opening, which shoulder is adapted to be engaged by said hook, a head of insulating material on the upper end of said arm, and there being recesses formed in the plug member carrying the prong for receiving a portion of said head and thereby maintaining said arm in different positions.

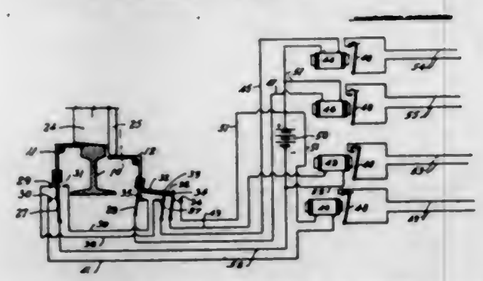
2,408,552
BALL-WINDING MACHINE
John R. Gammeter, Akron, Ohio
Application March 17, 1945, Serial No. 583,215
21 Claims. (Cl. 242—3)

1. The combination in a machine for winding continuous flexible material to form an article, of a holder for said article, a feed mechanism mounted to rotate about said holder, means rotatable with said feed mechanism for guiding continuous material from the same to said holder to wind the material on an article supported thereon, an element normally supported by a portion of said continuous material, and control means operated by said element for maintaining the machine in operative condition by the element being so supported, interruption in the con-



tinuity of said material thereby rendering the machine inoperative.

2,408,553
RAILWAY WHEEL CHECKING DEVICE
Marion W. Gieskieng and William A. Gieskieng, Denver, Colo.
Application April 24, 1945, Serial No. 590,080
3 Claims. (Cl. 246—219)

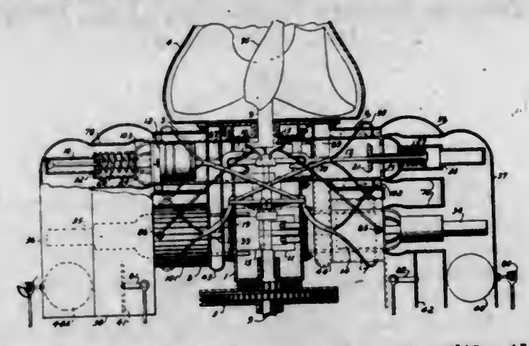


1. A railway wheel checking device for attachment to a railway rail comprising: bracket members extending oppositely outward from each side of said rail; tiltable metallic members supported between the pairs of bracket members at each side of the said rail, the metallic members on the outside of the rail being placed in the path of the tread of a wheel resting on said rail, and the metallic members on the inside of the rail being placed in the path of the flange of said wheel so that the passage of a wheel will tilt the inner portions of said members downwardly; a vertical member on each of said metallic members extending downwardly from the axis thereof; a cross rod extending through the web of said rail and through said vertical members; spring means on said cross rod at each side of each vertical member to resiliently maintain said metallic members in their normal position; and signal means for indicating deviations of said vertical members from their vertical position.

2,408,554
INTERNAL-COMBUSTION ENGINE
John Lewis Haight, Jr., Fort Worth, Tex.
Application April 21, 1945, Serial No. 589,601
12 Claims. (Cl. 123—56)

4. An internal-combustion engine of the two-cycle type comprising a crankshaft having cranks relatively disposed at 180 degrees, a crankcase including an oil reservoir; two pairs of cylinders, the components of each pair being diametrically opposed and in axial alinement, and the pairs

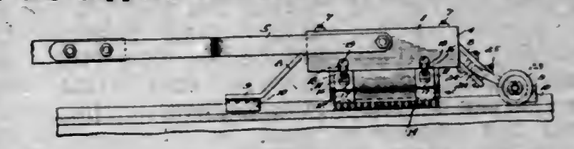
disposed in parallel relation in same plane, secured to said crankcase; a piston fitted within each cylinder and acting on and by cranks of crankshaft thru connecting-rods, the connecting-rods serving each pair of opposed cylinders bearing on a common crank; an air conduit having a forwardly faced inlet, means for regulating volume of air entering said conduit, a connection with each cylinder head, a valve for each cylinder permitting passage of air from conduit and connection into cylinder, a port, or ports, so situated in each cylinder as to be exposed during final phase of piston's downstroke and initial phase of upstroke and occluded by piston during balance of travel, means for substantially coinciding the opening and closing of cylinder's inlet and outlet means, an exhaust conduit adapted to receive and convey gases from outlet port, or ports, of cylinder, means for creating a forced draft rearwardly in air and exhaust conduits and thru cylinders when valve means are open for scavenging of combustious product gases and charging of cylinders with fresh air; means for injecting fuel into pairs of diagonally opposed



cylinders alternately to carburet with the air therein and form a combustible mixture, means of igniting said combustible mixture; means for radiating the heat of combustion from affected parts, including radiating fins on exterior cylinder walls, an air conduit having a forwardly faced inlet, a shell which envelopes said radiating fins and connects said air conduit with the exhaust conduit, which has a rearwardly faced outlet aperture, means for creating a forced draft rearwardly in air conduit, thru shell past radiating fins, and rearwardly thru and out of exhaust conduit; means for lubricating all moving parts and their bearing surfaces, including cylinder walls and valve action, and means whereby power impulses are produced simultaneously in the alternate cylinders in opposite banks and act simultaneously on both cranks of crankshaft, and means for supplying fuel to the injector means including a pair of fuel lines leading from separate fuel supply sources, a valve in each fuel line, means for operating each valve independently, a connection for each fuel line with a common conduit, and a connection, or connections, for said conduit with said injector means.

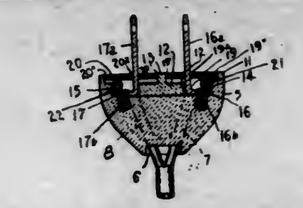
2,408,555
GREENHOUSE ROOF BAR CLEANING BRUSH
Richard C. Hart, Fairport, N. Y., assignor to Geo. B. Hart, Inc., Rochester, N. Y., a corporation of New York
Application July 21, 1944, Serial No. 546,005
4 Claims. (Cl. 15—160)

1. Brush mechanism for cleaning greenhouse roof bars comprising a horizontal weighted support having a transversely concave bottom surface, a plurality of brushes secured to the concave bottom surface of the support at the center and on opposite sides of the center at different points transversely of said concave bottom surface, a rod extending longitudinally of the bottom of the support and attached thereto, said rod



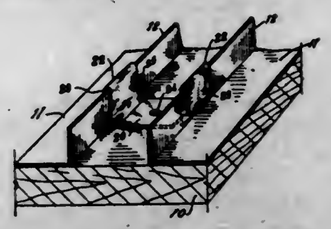
being located between the support and the brushes which are mounted on said rod, the rod terminating in bar-engaging guiding shoes, a handle, and handle-attaching means secured to said support.

2,408,556
SAFETY PLUG-IN CONNECTOR
Carl A. Hasenwinkle, Bison, S. Dak.
Application September 30, 1944, Serial No. 556,510
1 Claim. (Cl. 173—361)



A plug-in electrical connector, comprising a body formed from insulation material and provided with a socket in one side thereof to receive the end of an electrical cord and wire passages diverging from said socket to the opposite side of said body, said body having open wells surrounding the outer ends of said divergent wire passages and semicircular pockets on each side of said body and an integral partition, a connector prong having a base snugly fitted in each well and a prong arm projecting at right angles to said base, each of said wells having a right angular shoulder engaged by its prong arm, a screw threaded through each base into said body to hold each connector prong in place, and a semicircular washer of insulating material disposed in each semicircular pocket and provided with a slot through which the prong arm thereof projects, the inner edge of each washer engaging the side of said partition and both washers being disposed flush with the outermost surface of the body adjacent thereto.

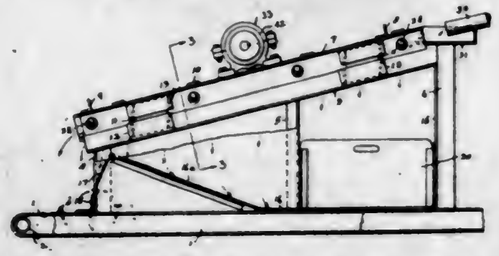
2,408,557
SHEET METAL ROOFING
Glen H. Huntington, Denver, Colo.
Application January 19, 1945, Serial No. 573,519
1 Claim. (Cl. 108—21)



Means for forming a joint between elongated strips of sheet metal roofing of the type having upwardly flanged longitudinal edges and for securing said strips to supporting sheathing comprising: a plate member having a central nail hole; an upwardly turned portion on each end of said plate; a downwardly turned extremity on each of said portions, said latter extremities be-

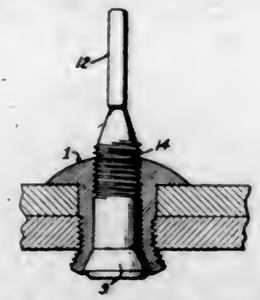
ing hooked over the adjacent flanged longitudinal edges of the strips, the height of said upwardly turned portions being substantially equal to the height of the flanged longitudinal edges of the elongated strips so that the mid-portion of the plate may be nailed snugly against the sheathing with its extremities overlying the flanged longitudinal edges of said strips, said downwardly turned extremities terminating above the surface of said strips; an inverted trough-like cover member; downwardly turned longitudinal sides on said cover member engaging the downwardly turned extremities on said plate; and upwardly and inwardly turned edges on sides positioned between the downwardly turned extremities of said plate and the surface of the strips to prevent upward movement of said trough-like cover.

2,408,558
MUD SCREEN
Frank E. Hutchison, Houston, Tex.
Application December 13, 1943, Serial No. 514,182
3 Claims. (Cl. 210—149)



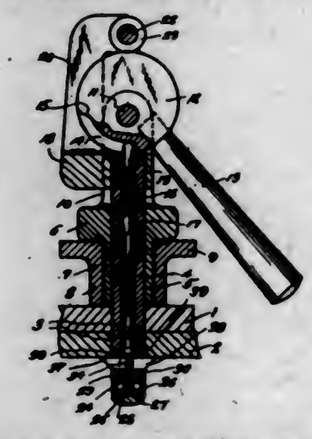
1. In a vibrating screening unit a mud box having vertical side walls, a vertical end wall at one end and a horizontal bottom, a portion of the bottom inclining toward the other end of the box, and a wall at said other end of the box which declines outwardly and whose upper margin merges with the adjacent end of the inclined portion of the bottom; and a vibratory, forwardly declining, screen mounted above the mud box and extending transversely, approximately from side to side, and longitudinally, approximately from end to end, of the box, with its upper, or feed, end above one end of the mud box and with its lower end positioned over and adjacent said outwardly declining portion.

2,408,559
SELF-SETTING TUBULAR RIVET
Herbert J. Keating, Pasadena, Calif., assignor to Cherry Rivet Company, Los Angeles, Calif., a corporation of California
Application June 19, 1945, Serial No. 600,332
2 Claims. (Cl. 85—40)



1. In a tubular rivet assembly for securing a pair of workpieces together, a rivet body having a head and a shank extending therefrom for reception in aligned holes in an outer and inner workpiece to be secured together, said shank having a length sufficient to permit it to pass through the workpieces and protrude beyond the inner surface of the inner workpiece, threads on the exterior of said shank to threadedly engage at least the inner workpiece, a longitudinal bore extending through said shank and having threads threaded to a pitch opposed to the external threads on said shank, a mandrel disposed in said bore and threadedly engaging the threads in said bore, said mandrel having an enlarged head at one of its ends disposed adjacent the end of the shank, and a stem extending beyond the head of the rivet body whereby rotary movement imparted to the stem of said mandrel will first thread the shank into the workpieces and further rotary movement imparted to said stem will cause said mandrel to be moved inwardly of said rivet body to expand the end of said shank into riveted relation with said workpieces.

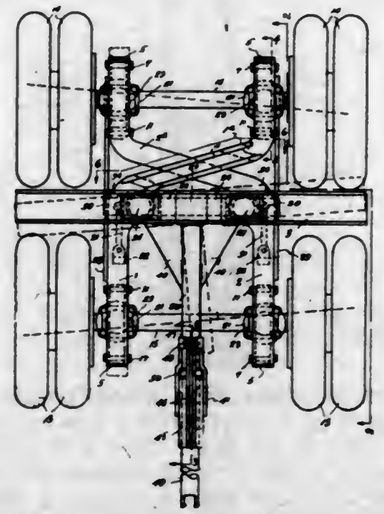
2,408,560
PLATE CLAMP
Warner L. Keehn, Spokane, Wash.
Application January 7, 1944, Serial No. 517,424
9 Claims. (Cl. 85—5)



7. A plate clamp comprising a support for resting against the upper face of plates to be secured together about registering openings formed through the plates, a shaft slidable longitudinally through the support for passing through said openings, the lower portion of the shaft being formed with a pocket having side openings, dogs pivotally mounted in said pocket and normally projecting outwardly through the side openings to an extended position, a rod shiftable longitudinally of said shaft into and out of position for depressing the dogs and effecting retraction thereof, and common means for shifting the shaft longitudinally into and out of a clamping position and depressing the rod to effect retraction of the dogs.

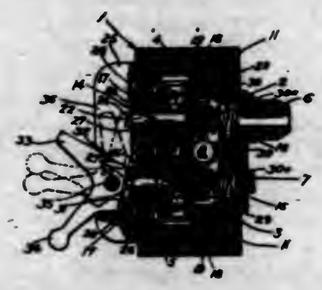
2,408,561
DUAL AXLE TRAILER
Warner L. Keehn, Spokane, Wash.
Application December 28, 1944, Serial No. 570,203
5 Claims. (Cl. 280—102)

1. A trailer comprising side beams each having forward and rear portions at opposite sides of the trailer and a diagonal intermediate portion connecting its end portions, springs carried by ends of said side beams, front and rear axles extending transversely of the side beams under said springs, housings carried by and depending from said springs, trunnions extending upwardly from said axles and rotatably received in the housings, a bunk extending transversely across said beams adjacent rear ends of their forward portions, a shaft under said bunk extending longitudinally thereof and rockably mounted, posts extending downwardly from said shaft and rotatably mounted through openings formed vertically through the side beams, collars carried by lower ends of said posts, a bridge connecting said collars and having an upper portion extending between and resting upon said side beams and formed with openings registering with the post-receiving



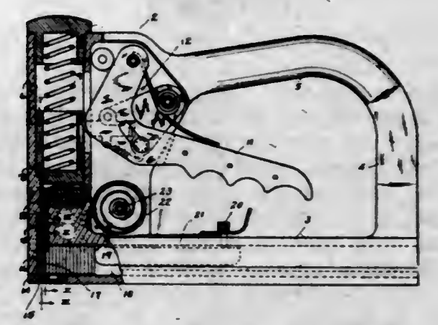
openings of the side beams, ears extending downwardly from said side beams forwardly of said posts, torque bars connecting said collars with said ears, side strips extending longitudinally of the trailer at opposite sides thereof with their forward ends fixed to forward portions of the side beams and their rear portions slidable longitudinally of the rear portions of the side beams, and means extending forwardly from the bunk for connection with a towing vehicle.

2,408,562
FLOW CONTROL VALVE
Ottmar A. Kehle, West Los Angeles, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application May 28, 1943, Serial No. 488,923
3 Claims. (Cl. 277—20)



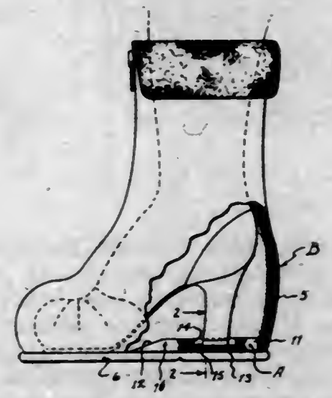
1. In a fluid control valve unit, a body member having a pair of valve-receiving bores therein in a parallel adjacent relation to each other, means for intaking fluid under pressure into one of said bores, an intercommunicating port extending through said body member and so positioned that its width bridges the space between said bores at a point intermediate of its ends to afford the passage of pressure fluid from one to the other of said bores, closure means to overlie a side of said body member for closing either of the ends of said intercommunicating port, an outlet port for each bore, valves in said bores for controlling the flow of fluid therefrom into said outlet port, spring means for seating said valves, operating means mounted on said body member for opening said valves, and bolts to cooperate with said closure means whereby two or more identical control valve units thereof may be coupled together with the aforesaid intercommunicating passages thereof in registration with one another.

2,408,563
STAPLING MACHINE AND METHOD
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocji Corporation, a corporation of Delaware
Application May 16, 1942, Serial No. 443,200
6 Claims. (Cl. 1—49)



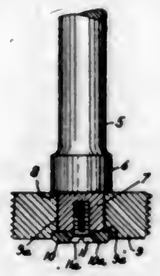
1. A stapling machine of the class described comprising a frame structure having a staple guide therein, a driver operable in the guide, means for delivering preformed staples to the guide one at a time, and means at one side of the guide in the machine for toeing the ends of the legs of the staples inwardly relative to the upper portions of the legs before they are delivered to the guide.

2,408,564
ATTACHMENT FOR STADIUM BOOTS
Harlan L. Lea, Racine, Wis.
Application February 22, 1945, Serial No. 579,171
1 Claim. (Cl. 36—1)



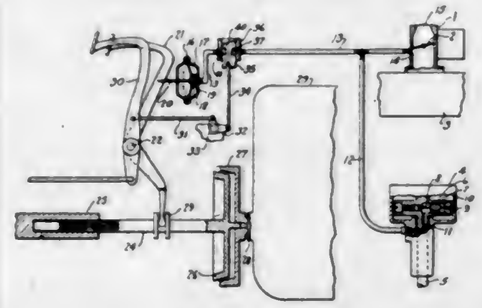
As a new article of manufacture, an attachment for women's storm boots comprising a unitary block of wear-resisting material shaped to conform to the inner configuration of the boot around the heel, said block having a flat lower serrated surface for engaging the inner face of the boot sole to prevent shifting of said block in the boot, the outer edge of said block shaped to conform to the outline of the boot around the heel, and the upper face of the block being provided with a socket for receiving the lower end of the heel of a shoe of a wearer, the lower face of the socket being serrated to prevent movement of the shoe heel in said socket.

2,408,565
DETACHABLE SCREW-CUTTING DISK AND TOOL SHANK
Chaim Lieblein, Brooklyn, N. Y.
Application June 7, 1944, Serial No. 539,068
1 Claim. (Cl. 10—141)



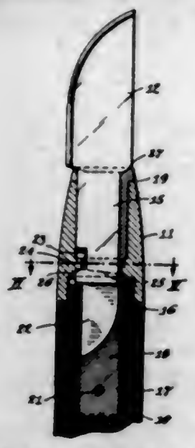
A thread cutting tool, comprising a shank having a polygonal stud on one end thereof and a shoulder at the inner end of said stud, said stud being disposed centrally of the shank, a disk having a central opening which receives the polygonal stud and disposed against said shoulder, said disk having a plurality of radial lands provided with screw cutting teeth, and also formed with a recess concentric with said central opening, a washer disposed in said recess and engaging the outer end of the stud, and a screw extending through the washer and threaded into the stud for retaining the disk on the stud between said washer and said shoulder.

2,408,566
FREE-WHEELING DEVICE FOR AUTOMOTIVE VEHICLES
Marion Mallory, Detroit, Mich.
Application August 31, 1944, Serial No. 552,021
4 Claims. (Cl. 192—.01)



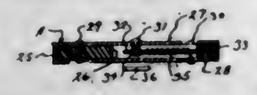
1. In an automotive vehicle including an internal combustion engine having an intake passageway, a throttle valve in said intake passageway, a driven shaft, a clutch between said engine and driven shaft, a device actuated in response to intake passageway pressure, an orifice in the intake passageway on the engine side of the throttle valve when in idle position and passing on to the atmosphere side of the throttle valve when opened beyond idle position, a conduit connecting said device into said orifice, an air bleed to atmosphere for said pressure actuated device, a centrifugally unbalanced valve rotated in accordance with the vehicle speed for closing said air bleed whenever the vehicle exceeds a predetermined speed, and a connection between said pressure actuated device and the clutch, whereby when said throttle is in engine idling position and the vehicle is traveling in excess of said predetermined speed the pressure actuated device responds to the intake passageway pressure and disengages said clutch.

2,408,567
TOOLHOLDER
Willy Mauch, Bridgeport, Conn., assignor to Bruner-Ritter, Inc., New York, N. Y., a corporation of New York
Application May 12, 1944, Serial No. 535,375
6 Claims. (Cl. 279—93)



2. In combination with a tool receiving member having a slot to receive a tool shank, a tool having a shank to enter said slot, one portion of said shank extending from said slot, said portion being provided with a notch, a ferrule carried by said member, a collar carried by said ferrule and movable therewith to enter said notch to hold said tool in said member.

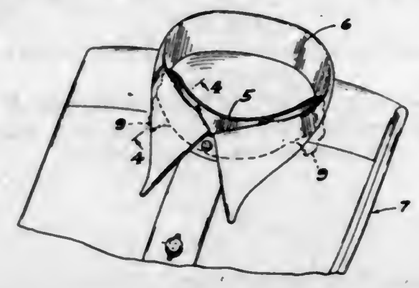
2,408,568
LOW VOLTAGE FLASHER
Chauncey H. McClure, Milwaukee, Wis., assignor of one-half to Isidore Davidoff, Milwaukee, Wis.
Application July 4, 1942, Serial No. 449,775
1 Claim. (Cl. 200—122)



A flasher or winker attachment for low voltage electric hand lamps comprising a thin body plate of insulation having an opening therethrough, thin contact plates secured to the opposite sides of said body plate and closing said opening, said conducting plates being insulated one from the other by the body plate, a thermostatic blade disposed in the opening, means firmly anchoring the outer end of the blade in the body plate, said blade being insulated from the contact plates, a contact point carried by one of the conducting plates for engaging the central contact of the bulb of the hand lamp, and a fine Nichrome wire coiled about the blade having one end electrically connected with the conducting plate opposite to the conducting plate having the contact point, and a contact point on the inner end of said blade electrically connected with the wire and normally engaging the first mentioned contact point and a resilient attaching clamp carried by one of said conducting plates for receiving the contact of the hand lamp which normally engages the central contact of the bulb.

2,408,569
SHIRT COLLAR HOLDER
Charles M. Mead, Los Angeles, Calif.
Application October 30, 1945, Serial No. 625,613
2 Claims. (Cl. 223—83)

1. As an article of manufacture a collar holder consisting of an elongated flat strip of sheet material of form-retaining stiffness including a body and corner tabs on the lower edge of the body when the latter is in its operative position, said tabs joining the body along scored lines to facilitate out bending them to adapt them for insertion below the collar portion of a laundered shirt while the body portion of the holder is fitted against the inner side of said collar portion, said tabs being triangularly shaped thereby providing



them each with an outwardly directed point; which facilitates insertion of the holder into its operative position in relation to the collar portion of a laundered shirt, said outwardly directed points of the two tabs being so positioned that when the collar holder is in an extended flat position a straight line connecting them will lie in an inwardly spaced relation to the midlength portion of the convex side edge of the holder.

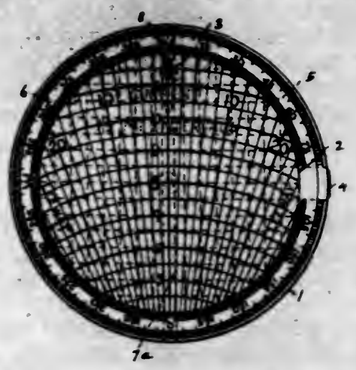
2,408,570
TURNDOWN SHIRT COLLAR
Leonard U. Michael, Montreal, Quebec, Canada
Application October 6, 1945, Serial No. 620,678
2 Claims. (Cl. 2—131)



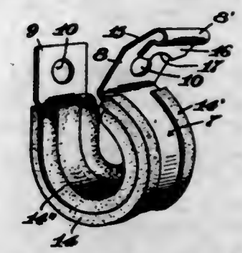
1. A one-piece collar comprising two facing plies and a lining intermediate the facing plies, said lining comprising a plurality of plies, one of said lining plies being coextensive with the neck band and flap portions of the collar, and another of said lining plies being coextensive with the neck band portion only of the collar, said second lining ply containing thermoplastic adhesive, the upper edge of the first lining ply being connected to the edges of the facing plies, each of said lining plies being in flat engagement and adhesively united by said thermoplastic adhesive throughout their coextensive areas whereby stitching at the upper edge of the second lining ply to the first lining ply is avoided, the upper edge of the second lining ply being convexly curved so that said upper edge forms a shoulder at one side of the first lining ply which defines the fold line and upper edge of the neck band portion of the collar.

2,408,571
NAVIGATIONAL COMPUTING INSTRUMENT
Hubert L. Mitchell, Houston, Tex.
Application April 24, 1944, Serial No. 532,519
3 Claims. (Cl. 33—1)

1. An instrument of the character described comprising a compass rose, a current grid thereon having a diametrical course pointer, a track mounted to rotate on substantially a common axis with the current grid and compass rose, a leeway grid mounted to slide on said track radially with respect to and substantially entirely across the current grid and compass rose.

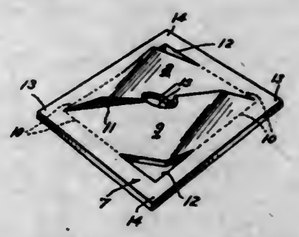


2,408,572
WIRE OR CONDUIT CLIP
Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application May 15, 1944, Serial No. 535,773
7 Claims. (Cl. 248—74)



1. In a clip for supporting wires or a conduit, a spring metal strap formed into an open loop having normally spaced apart apertured end portions providing attaching ears adapted to be brought together to close the loop and to align the apertures therein for reception of a fastening for securing the clip to a support, and a spring locking tongue on one of said end portions, said tongue having its outer end edge disposed to have tensioned end contact with the fastening to hold the clip thereon and being movable out of locking contact with the fastening responsive to the flexing of said one end portion toward the other end portion.

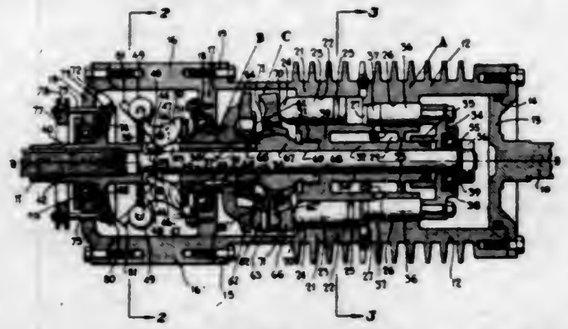
2,408,573
SHEET METAL NUT
Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application August 28, 1945, Serial No. 613,113
4 Claims. (Cl. 85—36)



1. In a sheet metal nut, a sheet metal body portion, and a pair of opposed bridge portions formed on said body portion with their corresponding ends joined to said body portion on lines extending at right angles to one another and their adjacent edges extending diagonally across the

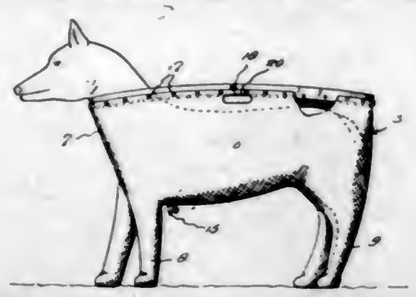
body portion from the points where said right angular lines meet one another, there being angular slits in the body portion defining edges of said bridge portions which are separated from said body portion; the adjacent edges of said bridge portions being formed with edge portions for engaging the threads of a screw turned therebetween.

2,408,574
HYDRAULIC TRANSMISSION
Thomas L. Morris, Van Nuys, Calif., assignor of one-half to Floyd M. Boes, North Hollywood, Calif.
Application May 12, 1943, Serial No. 486,661
19 Claims. (Cl. 192—59)



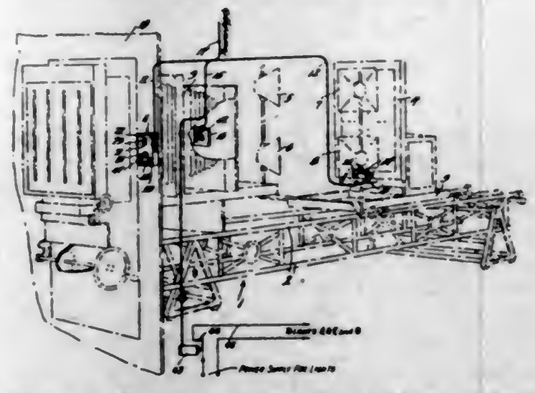
1. In a power transmission of the character described, the combination of: first and second rotatable members disposed in cooperative relation on a common axis, there being means to connect one of them to a device to be driven and the other of them to a rotating drive means; a plurality of cylinders carried by said first member around said common axis, said cylinders having ports through which liquid may flow; means for holding a body of liquid so that it may flow in and out of said ports; valve means for opening and closing said ports; pistons operable in said cylinders; means for operating said pistons comprising a wobble plate supported so that it will oscillate and consecutively actuate said pistons in said cylinders, said wobble plate being movable between a position normal to said axis and a position diagonal to said axis; and means for moving said wobble plate from said position normal to said axis and causing the same to wobble in a diagonal position and for simultaneously applying a closing movement to said valve means.

2,408,575
GARMENT FOR ANIMALS
Axel Norvig, Brooklyn, Conn.
Application September 18, 1943, Serial No. 502,975
2 Claims. (Cl. 119—156)



1. In a garment of the class described, a body portion including appendages closed except for communication with the body portion and a neck portion, said body portion having an opening extending into the neck portion to permit an animal to be arranged therein with the head of the animal located exteriorly of the body portion, drain means for the body portion, and a foldable flexible frame secured to the body and neck portions at their openings and manually flexed for constricting the upper edge of the body and neck portions about the animal, said garment having finger openings adjacent to the frame.

2,408,576
APPARATUS FOR INTEGRATING RADIANT ENERGY
Clarence S. Ost, Atlantic City, N. J.
Application July 14, 1945, Serial No. 605,124
4 Claims. (Cl. 250—41.5)



2. In a radiant energy integrating system for automatically predetermining exposures by a source of spectral rays of variable light intensities; a control circuit; an electronic circuit including a light responsive device subjected to the variable light intensities; a power amplifier tube including a cathode, a control grid, a screen grid, and an anode; an anode circuit connected between said anode and cathode and including electro-magnetic means therein; a source of D. C. potential connected in circuit with said electromagnetic means, one side of said light responsive device being connected to said source of D. C. potential; a cold cathode gaseous discharge tube of the two element type connected from its one side to the other side of said light responsive device, and the other side of said gaseous discharge tube connected to said control grid; a condenser and resistor connected in series and disposed in shunt to said gaseous discharge tube; a cathode bias resistor and bypass condenser connected in shunt and disposed between said cathode and the junction point between said first mentioned resistor and said first mentioned condenser, whereby the charge delivered by said light responsive device charges said first mentioned condenser at a rate dependent upon the intensity of light to which said light responsive device is subjected for affecting a discharge through said gaseous discharge tube and applying a change of potential to said control grid for controlling current flow in said anode circuit, thereby energizing the electro-magnetic means therein at a rate dependent upon the intensity of light to which said light responsive device is subjected; an electric switch disposed in said control circuit; a selectively settable actuator for operating said electric switch; a double pallet lever escapement mechanism for controlling the movement of said actuator; said electro-magnetic means controlling the movement of said double pallet lever escapement mechanism at a rate proportional to the rate of operation of said electronic circuit for affecting the operation of said electric switch when a predetermined quantity of light has been incident upon said light responsive device.

2,408,577
PLASTER BANDAGE MACHINE
Jack R. Pava, Santa Barbara, Calif., assignor of one-half to Douglas F. Pincock, Santa Barbara, Calif.
Application August 1, 1944, Serial No. 547,596
5 Claims. (Cl. 91—32)



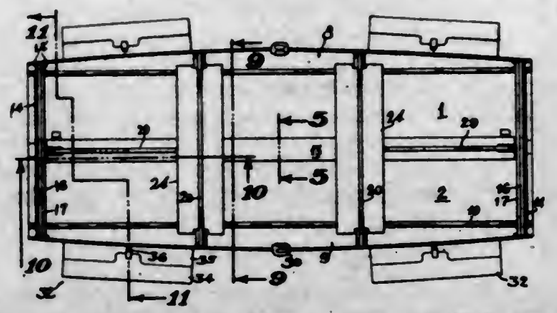
1. A machine for impregnating a fabric strip with a dry powder which comprises: a container; means for conducting a strip of fabric in yieldable contact with the upper surface of a mass of powder in the container; scraper means for removing excess powder from the surface of the strip of fabric; and means for forming a loose roll of the powder impregnated strip of fabric.

2,408,578
METHOD OF STENCILING
Joseph T. Penton, Pasadena, Calif.
Application December 18, 1942, Serial No. 469,389
9 Claims. (Cl. 117—8.5)



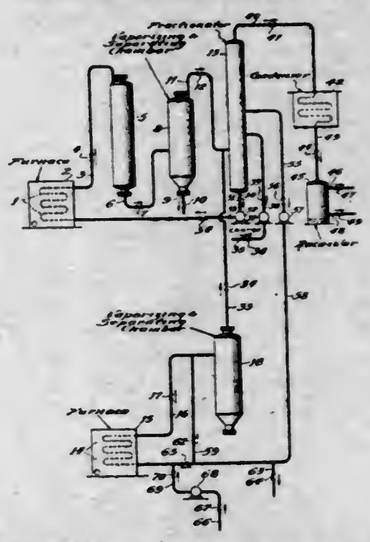
2. The herein described method of coating an article comprising applying a ground coat, applying a friable layer to completely cover the ground coat, removing a portion of the layer to expose a portion of the ground by arranging a stencil over the layer and removing the portion of the layer which is left exposed by the stencil, applying a coat which is chromatically different from the ground over the exposed portion of the ground and over the remaining portion of the friable layer, and then removing said remaining portion of the layer and the portion of said coat thereon.

2,408,579
FOLDABLE BOAT
Benjamin F. Randrup, Brisbane, Calif.
Application May 22, 1944, Serial No. 536,811
5 Claims. (Cl. 9—2)



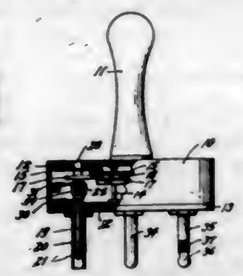
1. In a collapsible boat, a pair of elongated bottom members flexibly connected longitudinally along adjacent side edges, two elongated side members flexibly connected to the outwardly disposed longitudinal edges of the bottom members, the said side members each being arranged to fold upon its associated bottom member, foldable end members pivotally connected to and foldable upon the bottom members, the said end members being arranged in pairs and each pair being positioned to close an end of the boat, and a plurality of pairs of rigid frame members pivotally connected to and folded upon the bottom members and normally interposed between the side and bottom members for maintaining them in unfolded positions, the pairs of rigid frame members each comprising two angular members connected to the bottom members and arranged to engage with the side members, and seats pivotally connected to and foldable upon the frame members.

2,408,580
HYDROCARBON CONVERSION PROCESS
Davis Read, Jr., Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Original application April 29, 1940, Serial No. 332,136. Divided and this application September 27, 1943, Serial No. 503,903
3 Claims. (Cl. 196—49)



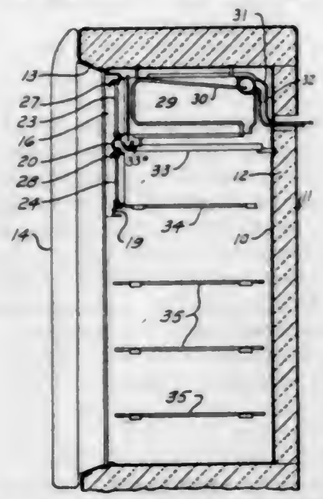
1. A process for the production of motor fuel which comprises subjecting a relatively heavy hydrocarbon oil to pyrolytic cracking in a heating coil and communicating reaction chamber, separating non-vaporous liquid residue from the pyrolytically formed vaporous conversion products, simultaneously therewith commingling a slurry of cracking catalyst with a relatively light hydrocarbon oil and passing the mixture through a reaction zone wherein it is heated to a catalytic cracking temperature, commingling a relatively cool oil with the heated stream of hydrocarbon oil and catalyst leaving the reaction zone to arrest the cracking reaction, supplying the quenched stream of oil and catalyst to a vaporizing and separating chamber wherein said catalyst is reduced to a substantially dry powder containing a high proportion of carbonaceous materials by substantially completely vaporizing the hydrocarbon introduced to said chamber and separating therefrom vaporous products substantially free of entrained catalyst, commingling the last-named vaporous products with said pyrolytic vaporous conversion products and fractionating the mixture together with the charging oil to separate fractionated vapors boiling in the range of gasoline from the higher boiling conversion products and charging oil, recovering said fractionated vapors, withdrawing said higher boiling conversion products and charging oil as light and heavy reflux condensates, supplying said heavy reflux condensate to the pyrolytic conversion treatment as said relatively heavy oil and supplying a portion of said light reflux condensate to the catalytic conversion step as said relatively light hydrocarbon oil, and utilizing another portion of said light reflux condensate as said relatively cool oil.

2,408,581
SELF-SERVE AUTOMATIC REGISTERING DEVICE
Milton Rifkin, Denver, Colo.
Application June 21, 1943, Serial No. 491,713
7 Claims. (Cl. 235—1)



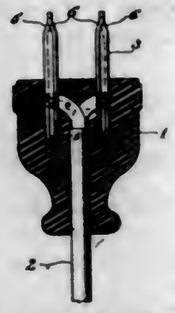
2. A registering device for operating an electrically controlled dispensing machine comprising: a housing; registering mechanism in said housing; means on said housing for closing the circuit when said key is inserted in the dispensing machine; and means on said key for driving said registering mechansm in consequence of operation of the machine.

2,408,582
REFRIGERATOR
Homer E. Rosebrook and Herschel F. Powell, Greenville, Mich., assignors, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application November 5, 1942, Serial No. 464,608
10 Claims. (Cl. 62—103)



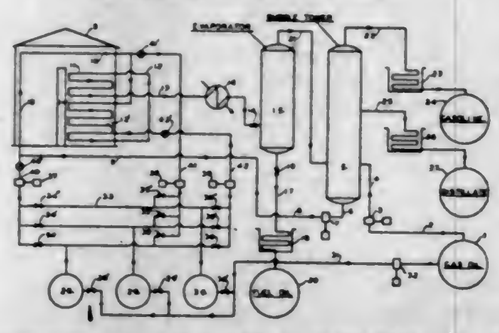
1. A mechanical refrigerator comprising a storage chamber, a refrigerant evaporator disposed in the chamber, a drip pan disposed below and in closely spaced relation to the evaporator for collecting the drip from the evaporator, a substantially imperforate food storage shelf positioned below and in spaced relation to the drip pan, said pan and said shelf being constructed and arranged in relation to the storage chamber to provide passageways adjacent the perimeters thereof for a limited circulation of air between the spaces thereabove and therebelow, the cross sectional area of the passageway for the circulation of air adjacent one portion of the perimeter of the shelf being larger than the cross sectional area of the passageway adjacent the corresponding portion of the perimeter of the drip pan, and the cross sectional area of the passageway adjacent another and remote portion of the perimeter of the shelf being smaller than the cross sectional area of the passageway adjacent the corresponding portion of the perimeter of the drip pan.

2,408,583
CORD TERMINAL PLUG
John M. Sions, Middle River, Md.
Application July 7, 1943, Serial No. 493,725
5 Claims. (Cl. 173—361)



1. An electrical contact plug having therein a plurality of longitudinally projecting polygonally cross-sectioned blades to be thrust into correspondingly shaped openings in an electrical socket, each blade being mounted in the plug in a longitudinally twisted position relative to the walls of the corresponding openings, and being formed to provide an oblique biasing surface adapted to serve as a sliding pressure surface, whereby the blades are placed under torsional strain upon their insertion thereinto.

2,408,584
HYDROCARBON CRACKING PROCESS WITH SUCCESSIVE ADDITIONS OF ADSORBENT
Arthur D. Smith, Park Ridge, Ill., assignor to Jenkins Petroleum Process Company, Chicago, Ill.
Application February 10, 1945, Serial No. 577,217
In Canada September 27, 1944
6 Claims. (Cl. 196—55)



1. Process of minimizing corrosion in an oil cracking still, which comprises: supplying to the stream undergoing heating, successive increments of an adsorbent consisting essentially of calcium hydroxide and adapted to react with corrosive compounds generated by decomposition of ingredients in the oil; and timing said increments so as to add each increment at substantially the time that the previous increment ceases to liberate structural water.

2,408,585
METHOD OF LAYING, FORMING, AND INTERCONNECTING CONCRETE BLOCKS
Jesse W. Smith, Cobleskill, N. Y.
Application December 29, 1944, Serial No. 570,443
2 Claims. (Cl. 94—22)

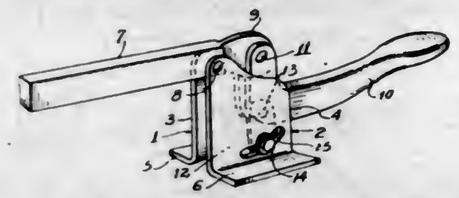
1. A method of constructing a concrete highway comprising placing and setting conventional forms in the usual manner on a sub-grade, pouring the lower half of a concrete block, placing a metal tie diagonally on the corner area of the top surface of said lower half, the outer end of said tie having an eye, placing a removable plug

in the eye, placing a core in the concrete around the plug and eye, and then pouring the remainder



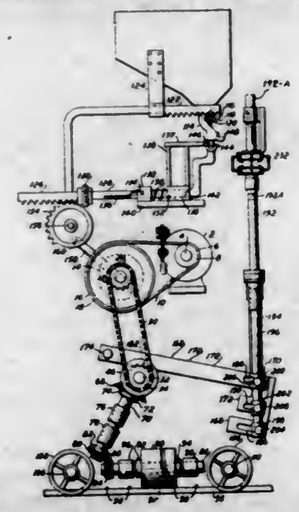
forming the upper half of said block within the limits of the form and embedding said tie.

2,408,586
ADJUSTABLE HOLD-DOWN DEVICE
Louis A. Spievak, West Los Angeles, Calif.
Application March 29, 1943, Serial No. 480,913
1 Claim. (Cl. 144—290)



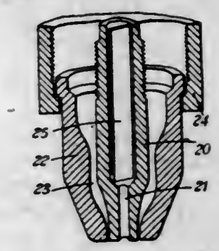
In a hold-down device for securing a workpiece to a working surface, the combination of: a support member adapted to rest upon the working surface, a clamping bar; means pivoting said clamping bar upon said support member for movement between a working position disposing the end of the bar a predetermined distance above the working surface to engage and clamp a workpiece against the working surface and a non-working position disposing the end of said bar at a greater distance from said surface; a handle member for moving said bar between said two positions; means pivotally interconnecting said handle with said bar; and means pivotally connecting said handle to said support including a pivot member engageable with said support, a slot in said support for receiving said pivot member, said slot extending at an acute angle relative to the working surface whereby positioning of said pivot member at different positions along said slot will fix the working position of the end of said bar at different predetermined distances above said working surface to thereby accommodate workpieces of different thicknesses, and means for locking said pivot means in any position along said slot.

2,408,587
TEXTILE MACHINERY
John W. Tucker, Manchester, Ga.
Application January 11, 1945, Serial No. 572,320
12 Claims. (Cl. 57—53)



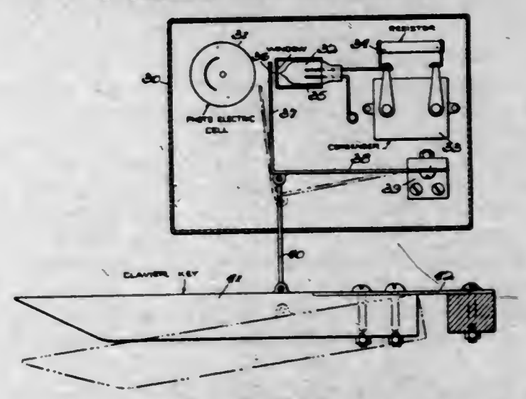
1. In combination with a spinning machine, having conveyor tracks alongside the frame, a doffing device comprising, an empty bobbin container, an arm and bobbin holder for transferring empty bobbins from said empty bobbin container to a position directly over a spindle of said spinning machine, a second arm and bobbin holder to doff the spindles of said spinning machine, a third arm and bobbin holder to remove the full bobbins of yarn from the grasp of said second bobbin holder, and a cylindrical cam for conveying said doffing device along said tracks.

2,408,588
APPARATUS FOR DIVIDING OR DESURFACING METAL BY USE OF OXIDIZING SETS
Sidney Sprague Watts, Southgate, London N. 14, England, assignor to The British Oxygen Company Limited, London, England, a British company
Application August 6, 1941, Serial No. 405,670
In Great Britain September 20, 1940
5 Claims. (Cl. 158—27.4)



1. A nozzle for a blowpipe torch comprising a member having a cylindrical axial passage for an oxidizing gas, a relatively short delivery passage of relatively lesser diameter than said cylindrical axial passage for forming said gas into a jet, a tapering transition passage between said axial passage and said delivery passage, and anti-swirl means in said axial passage and extending to said tapering transition passage for delivering thereto a gas stream having reduced swirl characteristic.

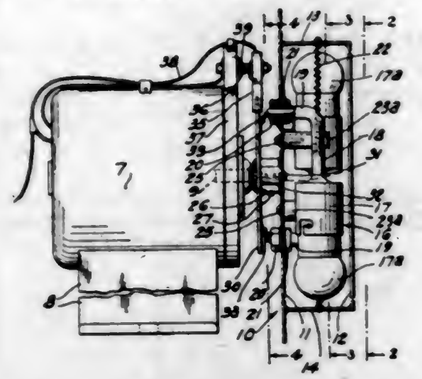
2,408,589
APPARATUS FOR PRODUCING ELECTRICAL OSCILLATIONS
Alvin W. Wells, Chicago, Ill., assignor of one-half to Jewel W. Wells, Decatur, Ill.
Application May 13, 1942, Serial No. 442,804
3 Claims. (Cl. 250—41.5)



1. A light sensitive system comprising a plurality of glow discharge tubes, oscillating circuits continuingly energizing said tubes, means for tuning each of said circuits to a certain frequency, electric means outside of said oscillating circuits adapted to respond to the fluctuating light emitted by said tubes, means normally shielding said photo-electric means from said light, selectively operable means whereby said shielding

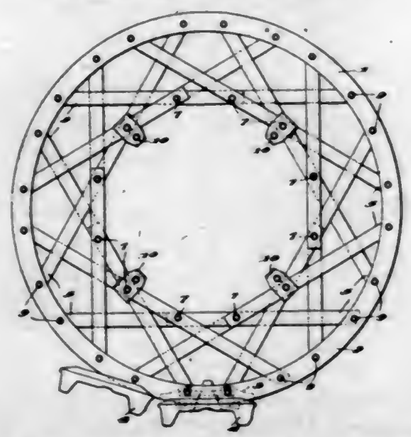
means is rendered ineffective as regards the light emitted by one or more of said tubes so that said photo-electric means is correspondingly activated, and an amplifier fed by said photo-electric means.

2,408,590
MOTOR-DRIVEN SIGNAL
Ervin L. Williams, Los Angeles, Calif.
Application March 3, 1945, Serial No. 580,822
6 Claims. (Cl. 177—329)



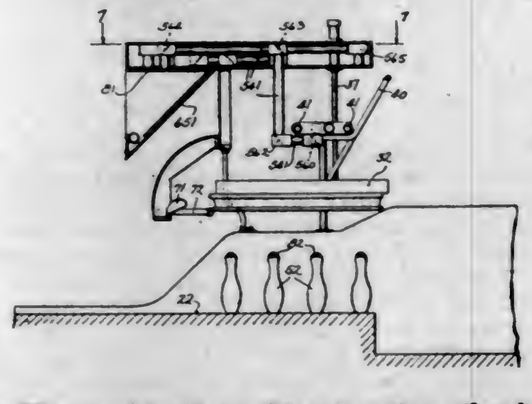
2. In a stop light means for vehicles, an electric motor mountable upon a vehicle and provided with a power transmission shaft which projects toward the rear of the vehicle when said motor is mounted thereon, a circular housing comprising parallel spaced apart front and rear disks of unequal diameters axially secured to said shaft and having open peripheral portions between them, at least one electric lamp swingably mounted within said housing for extension through said open peripheral portions under the urge of centrifugal force when said shaft and housing are rotated by said motor, the increase in diameter of one disk over the other comprising an annulus forming a background screen against which the moving lamp is outlined, and yielding means carried by said housing and tending to retract said lamp thereinto.

2,408,591
DEMOUNTABLE TRACTION UNIT FOR TRACTOR WHEELS
William E. Wine, Toledo, Ohio
Application October 19, 1944, Serial No. 559,389
5 Claims. (Cl. 301—56)



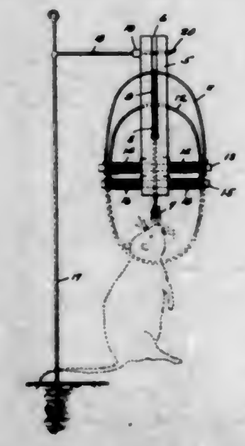
1. A demountable annular traction unit adapted to form the peripheral portion of a tractor wheel, said unit comprising a rim portion, and a plurality of spokes arranged within said rim portion as the chords of a circle, each of said spokes consisting of two plate-like members having their inner portions secured together in overlapping relation and the overlapping portions of the members of each spoke being secured in overlapping relation to the overlapping portions of the members of an adjacent spoke, and means respectively connected to the overlapping portions of the members of some of said spokes adapted to receive means for connecting the unit to the tractor wheel.

2,408,592
BOWLING PIN SETTING INDICATOR
Rudolph A. Aschenbrener, Milwaukee, Wis., assignor to The Triple Insulaire Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 5, 1943, Serial No. 478,130
18 Claims. (Cl. 273—37)



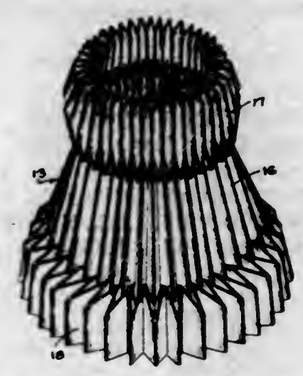
18. The combination with a bowling alley having a floor portion provided with designated areas with which the respective pins are to be located of indicating means for showing to a remote observer whether the respective pins are properly located with regard to their respective areas aforesaid, said indicating means comprising light means at one side of the respective areas, light receiving means at the other side of the respective areas, the pin being adapted to intercept at least a part of the light passing from the source means to the receiving means of each area, and means for rendering apparent to the remote observer whether the light intercepted by each pin is in accordance with a predetermined arrangement.

2,408,593
ANIMAL TRAP
Paul M. Barber, Aberdeen, S. Dak.
Application February 21, 1945, Serial No. 578,967
1 Claim. (Cl. 43—89)



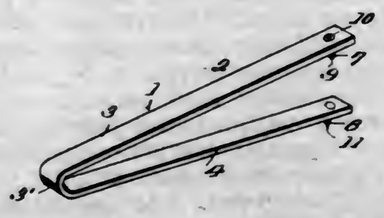
An animal trap comprising an elongated body portion having a central longitudinal bore extending from one end of said body portion, said body portion having a slot extending transversely therethrough and communicating with the bore, a rod slidably mounted within the bore and slot, one end of said rod extending laterally through the slot, an arm extending from the rod and passing through the slot at the opposite side of the body portion, and a pair of swinging jaws pivotally connected with the body portion and adapted to swing beyond one end of the body portion, one of said jaws adapted to engage the end of the rod, the opposite jaw adapted to engage the arm secured to the rod, holding the jaws in their set positions, said rod adapted to move downwardly releasing the jaws, and said jaws adapted to swing into gripping relation with respect to each other.

2,408,594
LAMP SHADE AND METHOD OF MAKING THE SAME
Sandor B. Bartha, Philadelphia, Pa., assignor to Max Galman, Philadelphia, Pa., trading as Imperial Lamp and Shade Company
Application May 27, 1944, Serial No. 537,745
3 Claims. (Cl. 240—108)



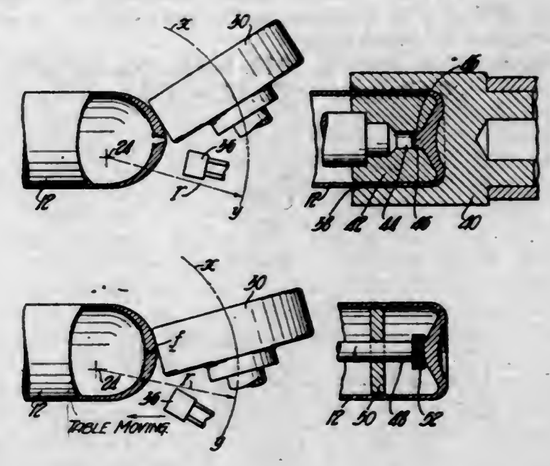
1. In a lamp shade a pleated fabric arranged in frusto-conical shape, said fabric having a plurality of adjoining pleated sections, the fold lines of which are parallel, two of said sections of pleated fabric being of similar conformation to form the end portions of the lamp shade, the fold lines of said end portions being respectively outwardly offset relatively to the corresponding parallel fold lines of the central portion of the lamp shade to provide a double gallery effect, and means disposed within the lamp shade for maintaining said fabric in said frusto-conical shape.

2,408,595
POINT MARKER
Charles L. Beard, Lancaster, Pa.
Application June 6, 1944, Serial No. 538,915
1 Claim. (Cl. 33—189)



A tool for marking sheet metal comprising a strip of resilient material bent intermediate its ends to form lower and upper connected resilient arms, each arm provided with a downwardly tapered member at its free lower end, the upper surface of the tapered member of the lower arm being flat, the free ends of said arms being movable towards each other against the inherent resiliency of said strip whereby said tapered members are adapted respectively for locating a hidden depression or hole in the upper face of a metal sheet and to apply a correspondingly located mark in the upper face of a second metal sheet superimposed on said first mentioned sheet, when said lower arm is inserted between said metal sheets and said upper arm is moved toward said second sheet.

2,408,596
METHOD OF FORMING CYLINDER ENDS
Joseph J. Bednar and Steven P. Peck, McKeesport, Pa., assignors to National Tube Company, a corporation of New Jersey
Application March 13, 1944, Serial No. 526,253
2 Claims. (Cl. 29—148.2)

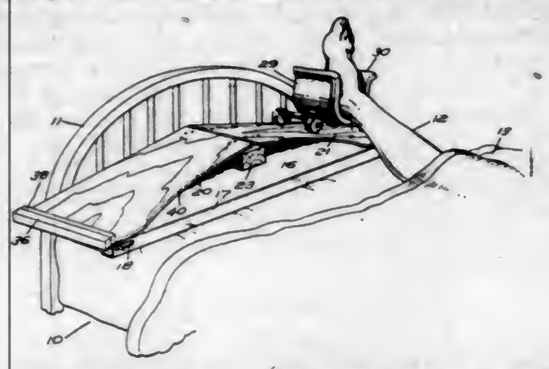


1. A method of spinning closed ends on tubular metal workpieces, comprising rotating the workpiece and applying a work-engaging tool to the end portion thereof, moving said tool through arcs extending from the periphery toward the longitudinal axis of the workpiece, moving said tool longitudinally of the axis of the workpiece to bring the end edges of said workpiece into abutment in the region of the longitudinal axis thereof, and thereafter continuing the movement of said tool in arcs extending from the periphery to the point beyond the longitudinal axis of the workpiece to upset said end portion and build up metal of substantial thickness without a fissure outside the original point of juncture of said edges, stopping rotation of the workpiece, then extruding the axial portion of said closed end inwardly into an axial cavity in a die member in the region of the point of juncture of said edges, said extruding step causing feather-like portions to be forced axially into said die cavity, and finally removing said axially extruded feather-like portions.

2,408,597
EXERCISING DEVICE
Theodore H. Belling, Barrington, R. I., assignor to Fram Corporation, a corporation of Rhode Island
Application July 13, 1945, Serial No. 604,747
10 Claims. (Cl. 272—57)

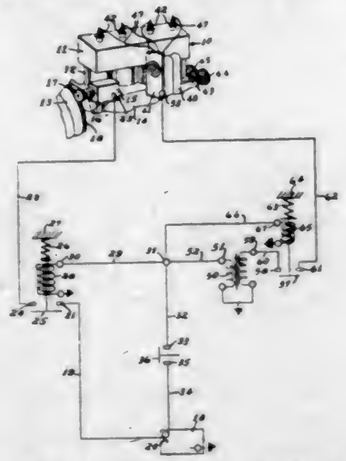
1. An exercising device comprising a carriage shaped to receive the foot of the user and sup-

port the leg when lying prone, rolling means supporting said carriage and arranged to direct said



carriage on the arc of a circle having a radius substantially the length of the leg.

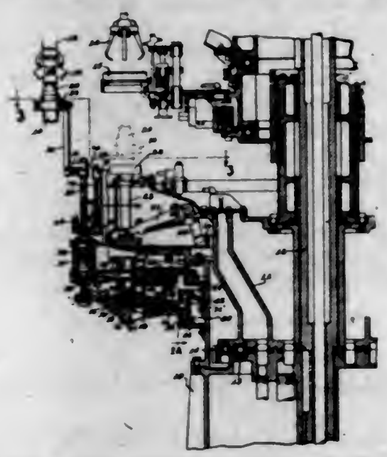
2,408,598
INTERNAL-COMBUSTION ENGINE
Lester L. Beltz, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 2, 1944, Serial No. 538,376
6 Claims. (Cl. 123—179)



1. In an electric sparking system having a magneto and a distributor in which an electrode is rotated by the engine and engages contacts to complete circuits from the magneto to spark plugs, the combination with a booster circuit having a grounded booster coil and a booster electrode for engaging the distributor contacts, said booster electrode rotating with and trailing the distributor electrode, of switch means in the booster circuit between the coil and the electrode.

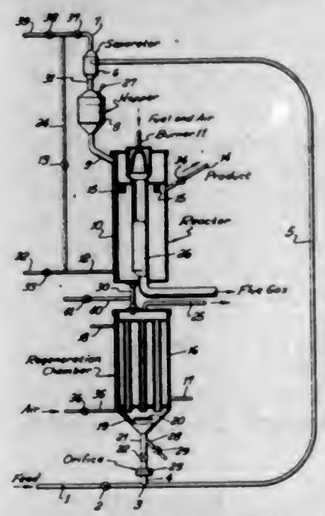
2,408,599
ARTICLE TRANSFER MECHANISM
Edward H. Bennett, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 5, 1945, Serial No. 597,687
9 Claims. (Cl. 198—210)

1. The combination of a carriage mounted to rotate about a vertical axis, article transfer mechanism comprising a vertical rock shaft journaled on the carriage to rock about its vertical axis, a transfer arm fixed to said shaft and extending laterally therefrom, an article holder comprising a pair of jaws pivotally mounted on said arm for swinging movement toward and from each other, automatic means controlled by the rotation of the carriage for rocking said shaft and thereby swinging said holder from an article-receiving position between the rock shaft and the axis of the carriage and a discharging position laterally beyond the carriage, means controlled by the rotation of the carriage for lifting and lowering the rock shaft and transfer



arm, and means operable by and during the upward movement of the transfer arm to swing the jaws toward each other to an article-holding position and operable by the downward movement of the transfer arm to swing the jaws apart.

2,408,600
CRACKING PROCESS
Clyde H. O. Berg, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 22, 1943, Serial No. 503,345
7 Claims. (Cl. 196—52)



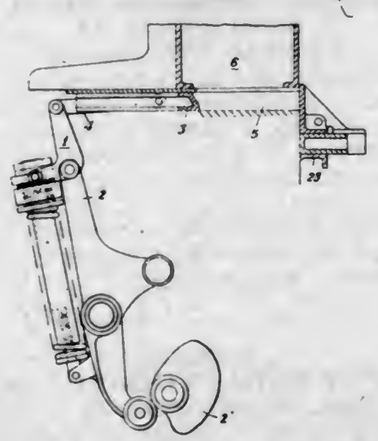
1. A process for the catalytic conversion of hydrocarbons which comprises flowing a granulated catalyst downwardly by gravity through successive zones of reaction and regeneration, introducing hydrocarbons into said reaction zone and maintaining an elevated conversion temperature therein while said hydrocarbons flow through said reaction zone countercurrently to said flowing catalyst, regenerating said catalyst in said regeneration zone, withdrawing regenerated catalyst from said regeneration zone, suspending said withdrawn catalyst in a suspension gas to thereby lift said catalyst and pass it to a separating zone, separating said catalyst from said suspension gas in said separating zone, passing said separated catalyst to said reaction zone, and introducing said separated suspension gas into said reaction zone with said hydrocarbons.

2,408,601
WORK ILLUMINATING TOOL
Benjamin Blauvelt, Paterson, N. J.
Application April 8, 1944, Serial No. 530,109
1 Claim. (Cl. 240—6.46)



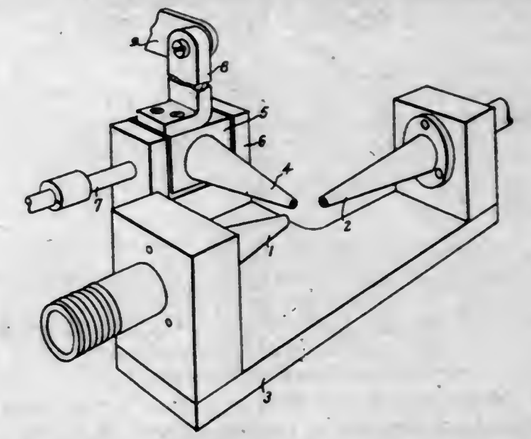
The combination of a handle having a bore open at one end of the handle, an elongated tool-holder removably affixed to and abutting the handle at and projecting beyond said end of the bore and, from near its own free end to near the handle, being cylindrical and coaxially related to the bore and being also transparent, said tool-holder from near its free end to the handle being of appreciably greater diameter than the bore and having a tool-socket extending from its said free end toward but terminating remote from the handle and of appreciably less diameter than the bore and coaxial with the bore, said tool-holder, except for said socket, being otherwise solid from end to end and illuminating means in the bore adjacent said open end thereof, said tool-holder having at its end-portion adjacent the handle a plug extending therefrom into and fitting the bore.

2,408,602
DOUGH DIVIDING MACHINE
Harry Whalley Bowker, Peterborough, England, assignor to Baker Perkins Limited, Peterborough, England
Application June 27, 1944, Serial No. 542,339
In Great Britain December 10, 1943
4 Claims. (Cl. 107—15)



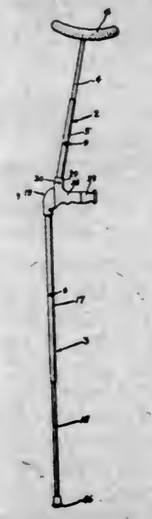
1. A dough dividing machine comprising a reciprocating ram, a cam-operated oscillating lever, a coupling rod between the lever and the ram, spring means between the lever and the coupling rod providing a yielding pressure of the ram on the dough and a lost-motion transmission incorporationg resilient buffer means located between said spring means and the coupling rod, to impart a shorter cushioned dividing stroke to the ram when dividing dough pieces of the lesser weight for which the machine is designed.

2,408,603
MECHANICAL RELAY OF THE FLUID JET TYPE
Robert Cecil Braithwaite and Kenneth Wilcox, Manchester, England, assignors to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application October 9, 1943, Serial No. 505,708
In Great Britain May 28, 1940
4 Claims. (Cl. 137—111)



1. A mechanical relay of the fluid jet type, comprising a pair of fluid jet nozzles arranged in substantially axial alignment and facing one another whereby pressure fluid supplied to one nozzle produces a fluid jet therefrom which normally tends to enter the orifice of the other nozzle, and a third nozzle arranged with its axis substantially at right angles to and in proximity to said jet whereby pressure fluid supplied to said third nozzle produces a fluid jet which impinges upon the first-mentioned jet, said third nozzle being so movably mounted relatively to said pair of nozzles as to cause its jet to variably impinge upon the first-mentioned jet in accordance with the movements imparted to said third nozzle and to thereby vary the amount of fluid entering said orifice of said other nozzle.

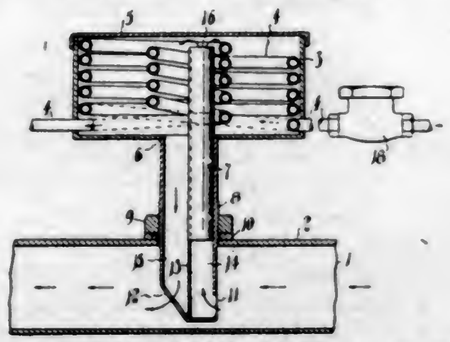
2,408,604
CRUTCH
Thomas B. Brickson, Hollywood, Calif., assignor to Al R. Brooks, Los Angeles, Calif.
Application November 22, 1944, Serial No. 564,565
17 Claims. (Cl. 135—50)



2. A crutch comprising an upper section and a lower section joined together intermediately of the ends of the crutch, a hand grip extending

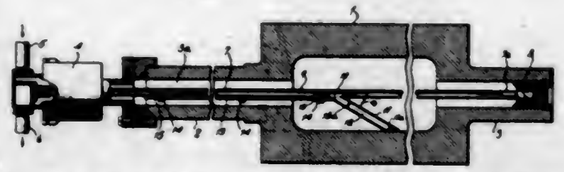
laterally from the connection between said sections, and the lower section being capable of laterally flexing under the weight imposed thereon by the user's body.

2,408,605
FUEL HEATER FOR INTERNAL-COMBUSTION ENGINES
Charles F. Brookes, Toronto, Ontario, Canada
Application August 28, 1944, Serial No. 551,575
5 Claims. (Cl. 257—229)



5. In a heater for fuel supplied to an internal combustion engine, a casing closed at its top end and having an opening in its lower end, a pipe leading outwardly from said opening and adapted to be inserted in the exhaust manifold of the engine, a partitioning member extending throughout the length of said pipe and dividing said pipe into two longitudinal passages leading respectively to and from said casing, said pipe having an inlet in one side thereof opposed to the inlet end of said exhaust manifold and communicating with one of said passages, said pipe also having an outlet opposed to said inlet and communicating with the other of said passages, an open end conduit registering with the passage leading to said casing and extending upwardly within said casing and terminating in slightly spaced relation to the closed end of the latter, and a fuel pipe leading through said casing and having that portion thereof located within said casing coiled around said conduit.

2,408,606
SIPHON MECHANISM FOR HEATED ROLLS
Hobart W. Bruker, Bordentown, N. J., assignor to George W. Swift, Jr. Inc., Bordentown, N. J., a corporation of New Jersey
Application April 14, 1945, Serial No. 588,319
5 Claims. (Cl. 138—38)



1. Siphon mechanism for heated rolls comprising an elongated exhaust conduit member provided with supporting portions therefor at both its ends and also having an exhaust passageway therein leading out through one end portion thereof, said exhaust conduit member also having a port located at an intermediate portion thereof and affording communication between said passageway and a point exterior to said exhaust conduit member, a tubular siphon member, and means movably connecting said siphon member to said exhaust conduit member, said connecting means affording movement of said siphon member between one position wherein it lies alongside and substantially parallel to said exhaust conduit member, and another position wherein said siphon member is directed outwardly away from said exhaust conduit member but with its inner end portion communicating with the aforesaid port.

2,408,607
MANUFACTURE OF NITRO COMPOUNDS
Gerard Dunstan Buckley, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 22, 1945, Serial No. 579,309
In Great Britain January 19, 1944
3 Claims. (Cl. 260—644)

1. The process for the manufacture of nitro compounds of the formula

$$RR^{I}R^{II}C—CHR^{III}—NO_2$$

which comprises causing a Δ^{α}-nitroolefine of the formula

$$RR^{I}C=CR^{III}NO_2$$

to interact with an organometal halide of the formula $R^{II}MX$, and thereafter treating the reaction product with a compound selected from the group consisting of water and aqueous acid; the aforesaid symbols having respective meanings as follows:

M is selected from the group consisting of magnesium and zinc;
X is a halogen;
R, R^{I} and R^{III} are respectively selected from the group consisting of hydrogen, acyclic hydrocarbon radicals, alicyclic hydrocarbon radicals, and furyl radicals; and
R^{II} is a hydrocarbon radical.

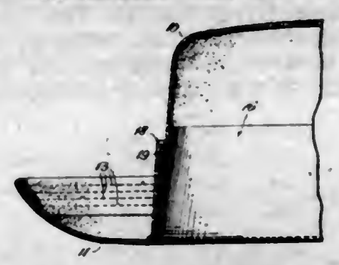
2,408,608
CHLORINATED RESINS
Oliver W. Cass, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 24, 1943, Serial No. 488,214
2 Claims. (Cl. 260—86)

1. A polymeric product obtained by the chlorination of a copolymer of vinyl chloride and vinylidene chloride containing between 10% and 95% by weight of vinyl chloride with the remainder of said copolymer being vinylidene chloride, said polymer, as a result of said chlorination, having an increased percentage content of chlorine and an increased resistance to darkening at elevated temperatures.

2,408,609
RESINS OF HIGH CHLORINE CONTENT
Oliver W. Cass, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 24, 1943, Serial No. 488,215
2 Claims. (Cl. 260—86)

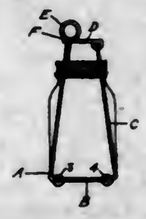
1. A polymeric product obtained by the chlorination of a copolymer of vinyl chloride and trichlorethylene prepared by copolymerization of a monomeric mixture containing between 1% and 5% by weight of trichlorethylene and the remainder of said mixture being vinyl chloride, said polymeric product, as a result of said chlorination, having an increased percentage content of chlorine and an increased resistance to darkening at elevated temperatures.

2,408,610
FABRIC HAT AND METHOD OF MAKING THE SAME
John Cavanagh, Norwalk, Conn., assignor to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application December 11, 1943, Serial No. 513,878
10 Claims. (Cl. 2—192)



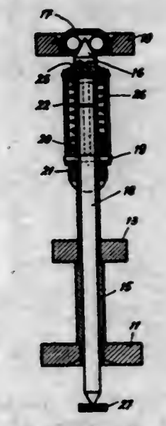
4. A felt hat having a brim having the material of the outer circumferential edge portion thereof folded back on itself to form a double thickness at said edge, the folded portion of the brim material having a radial cross-section tapering to a lesser thickness at the inner circumferential edge of said folded portion, and the material of the brim alongside of the inner circumferential edge of the folded portion being of less than normal thickness, so that the double thickness of the brim substantially merges into the single brim thickness at said inner circumferential edge; a separate nonfeltable tape interposed in the fold of the brim edge and extending along the latter for reinforcing same; and a plurality of lines of stitches extending along the edge portion of the brim and passing through the tape and both thicknesses of the material of the brim to secure the same together.

2,408,611
HOLDER FOR CONTAINERS
Albert Dawson, Tarentum, Pa.
Application November 17, 1944, Serial No. 563,919
3 Claims. (Cl. 224—48)



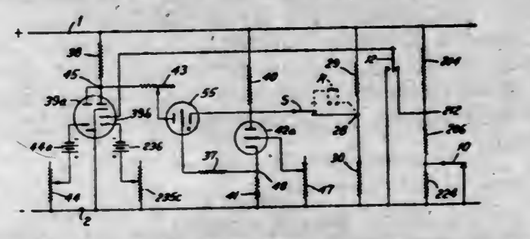
1. A reverse folding, two-size, completely confining holder for containers comprising a square base formed of one piece of wire with the extremities extended within the square and two opposite sides serving as axes for standards, a pair of standards and a cross member that serves as an axis formed from one piece of wire in the shape of three sides of a rectangle, the two standards being angularly disposed near the extremities of the wire and such extremities being formed into pivoting loops about one side of the square base, a single piece of wire formed into the shape of three sides of a rectangle with the extremities of the wire formed into pivoting loops about the cross member portion of the aforementioned standards, a pair of standards and a cross member formed from one piece of wire in the general shape of three sides of a rectangle and having extended therefrom at the center of the cross member portion a ring twisted at right angle to said cross member portion, the two standards being angularly disposed near the extremities of said wire and having said extremities formed into pivoting loops about the side of the base opposite to the side to which the first set of standards is attached, the angularly disposed standards folded to rise vertically from points outside the perimeter of the base and with the pivoting loop on the one set of standards dropped over the ring on the other set of standards thereby completing a structure for completely confining a container of one size or, reversed, the angularly disposed standards folded to rise vertically from points within the perimeter of the base and with the pivoting loop on the one set of standards dropped over the ring on the other set of standards thereby completing a structure for completely confining a container of another size, substantially as and for the purpose herein shown and described.

2,408,612
ESCAPEMENT ADJUSTING DEVICE
Ernest Alphonse Derungs and Oscar Chatelain, Le Locle, Switzerland
Application October 27, 1943, Serial No. 507,854
In Switzerland October 21, 1942
3 Claims. (Cl. 185—46)



1. In an adjusting device, an escapement, an axle, a vibrator lever fixed to said axle for controlling the movements of said escapement, a balance mounted on said axle, including masses displaceable in order to modify the moment of inertia of said balance means tending to displace said masses in one direction, and means passing axially through said axle for displacing the masses in the opposite direction.

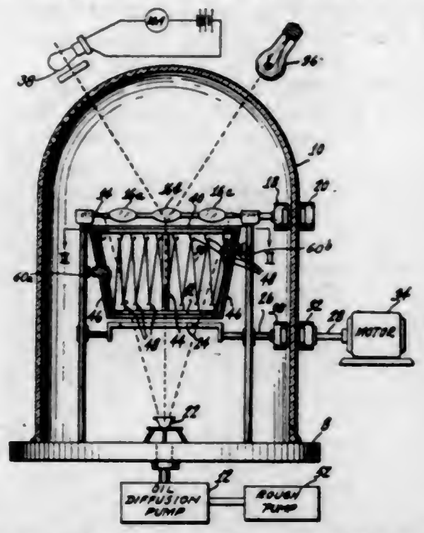
2,408,613
ELECTRICAL SYSTEM
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 19, 1943, Serial No. 491,438
19 Claims. (Cl. 315—205)



1. An electrical system comprising a power source, parallel voltage dividers connected thereto, a gas-filled electron tube including anode, cathode, and grid electrodes and having the anode and cathode connected to points of two said dividers to bridge them conductively when ignited, said points being so chosen that cathode

potential is lower than anode potential and higher than grid potential, said tube being ignited upon a reduction in potential difference between cathode and grid and upon such ignition reducing the anode potential and increasing the cathode potential, and means responsive to an electrical pulse for further reducing the potential at the anode-connected point to such extent as to deprive the anode of the potential required to maintain the tube ignited, whereupon the tube is extinguished.

2,408,614
SURFACE COATING APPARATUS
Glenn L. Dimmick, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application July 18, 1944, Serial No. 545,475
6 Claims. (Cl. 91—12.2)



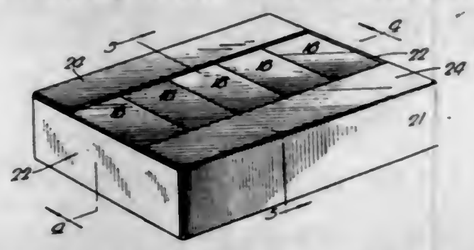
1. The combination, with means for evaporating material onto a surface of an object, of a source of heat and means for reflecting heat from said source to said surface, said source of heat and said heat-reflecting means being on the same side of said object as said surface and outside the direct path of said evaporating material to said surface.

2,408,615
CATION EXCHANGE RESINS AND PRODUCTION THEREOF
James R. Dudley, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 30, 1944, Serial No. 528,768
7 Claims. (Cl. 260—67)

1. A granular water-soluble composition of matter comprising the hydrolyzed product of reaction of a mixture including furfural and a mineral acid halide selected from the group consisting of sulfuryl chloride and phosphorus oxychloride and having a particle size of less than about 8 mesh.

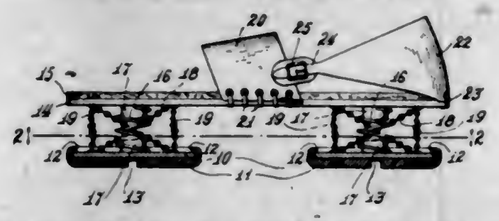
2,408,616
PACKAGING
Elmer E. Eldredge, Plymouth, Wis., assignor to Kraft Foods Company, a corporation of Delaware
Application November 24, 1941, Serial No. 420,271
1 Claim. (Cl. 206—56)

A shipping package comprising a plurality of relatively independent, substantially like package units assembled in side by side, co-planar alignment, each of said units comprising a filled fiber board box having a bottom, sides, ends, and an open top, the open tops of the boxes being disposed in the same plane, and a fiber board member having a main panel disposed across said co-planar open tops of the assembled units, side flaps extending from opposite edges of said panel and respectively folded into overlapping relation to opposite aligned ends of the units and united thereto, extensions on said flaps folded inwardly of and united to the bottoms of



said boxes, and end flaps folded into overlapping relation and united to the outer sides of the outermost unit boxes at the ends of the assemblage, the co-planar, exposed box bottoms intermediate said extensions constituting an outer surface portion of the shipping package, and said panel, side flaps, extensions and end flaps constituting other outer surface portions of the package, the fiber board in said boxes and in said member being of such character as to adapt the package to handling and shipping like a package enclosed in a conventional corrugated or like fiber board packing and shipping box.

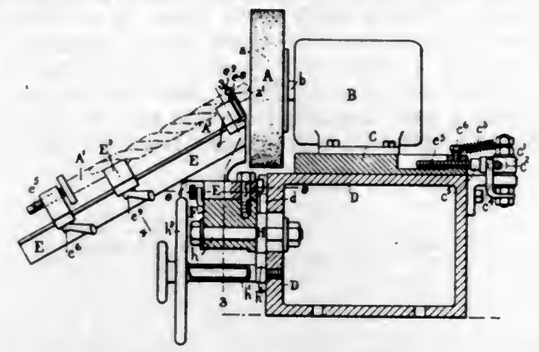
2,408,617
FOOT APPLIANCE
Bernard Ferrar, Chicago, Ill.
Application September 30, 1943, Serial No. 504,364
3 Claims. (Cl. 36—7.8)



1. A foot appliance comprising a tread member; a foot rest arranged above and resiliently supported on said tread member; and crossed flexible tie members arranged longitudinally and laterally with their ends secured to said tread and rest members placing said resilient support under tension limiting the upward movement of said foot rest.

2,408,618
MACHINE FOR GRINDING DRILLS AND SIMILAR TOOLS
David Thomas Edward Fielding, Middleton Junction, England
Application April 13, 1945, Serial No. 588,158
In Great Britain May 15, 1944
1 Claim. (Cl. 51—219)

In a machine for grinding twist drills and similar tools of the kind referred to, the combination of a grinding wheel mounted on a horizontal shaft so that its grinding face is vertical and a frame carrying the said shaft, a bracket supporting the tool at a suitable angle to the grinding face of the wheel, a second bracket on which the tool supporting bracket is pivotally mounted so that the latter can be moved to bring the tool into various positions relative to the grinding face when grinding clearances on the cutting edge such as the cutting edge clearance and additional clearance behind the cutting edge clearance and for thinning the drill point, a third bracket on which the second bracket is mounted to pivot in a vertical plane to move the tool in an arc across the grinding face of the wheel and guides carried by the frame on which the third bracket is mounted so that it can be moved ver-



tically to adjust the height of the tool supporting bracket to suit various sizes of tools and bring the axis of the tool to be ground into the correct position in relation to the arc along which the tool is moved over the grinding face of the grinding wheel, a slide or the frame on which the grinding wheel is mounted so that its grinding face can be moved to and away from the tool, a spring tending to move the wheel in a backward direction and a cam for moving it in a forward direction against the pressure of the spring.

2,408,619
ARC WELDING ELECTRODES
Erwin Felix Friedlander, Hobart, Tasmania, Australia, assignor to O. & F. Company Proprietary Limited, Hobart, Tasmania, Australia, a corporation of Tasmania
No Drawing. Application November 10, 1943, Serial No. 509,795. In Australia November 14, 1942
4 Claims. (Cl. 219—8)

1. An arc welding electrode, consisting of a mild steel core wire of relatively low hardness and a coating to be applied to the wire consisting of tungsten metal in substantially 35% by weight, molybdenum in substantially 13.5% by weight, ferro-chromium in substantially 13% by weight, ferro-vanadium in substantially 6.5% by weight, graphite in substantially 5% by weight, calcium carbonate in substantially 5% by weight, sodium silicate in substantially 20% by weight, and cellulose.

2,408,620
ARC WELDING ELECTRODES
Erwin Felix Friedlander, Hobart, Tasmania, Australia, assignor to O. & F. Company Proprietary Limited, Hobart, Tasmania, Australia, a company of Tasmania
No Drawing. Application November 20, 1943, Serial No. 511,165. In Australia November 21, 1942
3 Claims. (Cl. 219—8)

1. An arc welding electrode for welding chromium or austenitic chromium-nickel alloy steels, such as stainless steels and the like, comprising a core wire of steel of low carbon content having a heavy coating of a diameter at least 1.5 times the diameter of the core wire containing 15–30% nickel, 20–60% chromium, 4–10% ferro-silicon, 4–10% ferro-manganese and 3–8% ferro-molybdenum with gas forming and slag forming ingredients, the nickel and chromium combining under the heat of the arc with the metal of the core wire to deposit a chromium-nickel alloy steel and the slag forming ingredients simultaneously producing a slag which protects the molten metal while it is passing through the arc and covers the deposit until the weld has solidified.

2,408,621
PHOSPHORS AND THEIR STABILIZATION
Herman C. Froelich, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
No Drawing. Application May 14, 1942, Serial No. 442,993
9 Claims. (Cl. 117—33.5)

1. A generator of radiation consisting essentially of a thermally synthesized luminescent composition of metal silicate as matrix and manganese as an activator wherein the manganese is present only in a divalent condition activatingly combined with the silicate matrix.

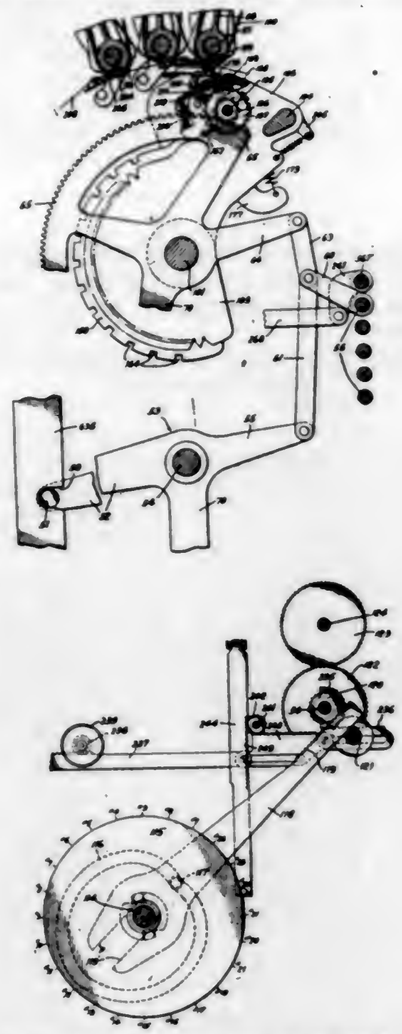
3. A method of assuring maximum brightness in a fluorescent discharge lamp in which is provided a coating of a thermally synthesized luminescent composition of metal silicate as matrix and manganese in divalent condition activatingly combined with said silicate matrix, which method comprises removing from the surface of the composition uncombined and superficial manganese compound whose manganese is not held fast by the silicate matrix and which is normally present on the particles of the composition after its synthesis, the removing step comprising treating the composition with a reducing agent and acid in the presence of water to form a soluble manganese salt.

2,408,622
PRINTING MACHINE
Frederick L. Fuller, deceased, late of West Orange, N. J., by Schuyler B. Harrison, East Orange, N. J., and John G. Phillips, New York, N. Y., executors, assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 2, 1943, Serial No. 508,676
14 Claims. (Cl. 101—93)

12. A printing machine comprising a set of printing wheels, an angularly positioned frame carrying said set of printing wheels, a series of platens adapted to be successively coordinated with said printing wheels, means for effecting a printing relationship of the printing wheels and a single platen which is selected for operation by the extent of angular positioning of said frame, an operating member carried by said frame and movable therewith and actuated independently of said frame to cause the operation of said last named means, and means for actuating said member in any angular position of said frame.

14. In a machine of the class described, two sets of printing wheels, each set movable in equal steps to successive printing positions, means for effecting relative positions of one-half step apart of said sets of wheels whereby one set is at a printing position as the other set is at a one-half step away from printing position, and means for bodily moving the two sets of wheels in reverse directions to cause in one direction of movement only one set of wheels to move to successive printing positions as the other set of wheels occupies positions midway of printing po-

sitions and then cause a reverse direction of movement of said sets of wheels and concurrently effect an alternate positioning of said sets of



wheels, whereby only the set of wheels previously occupying positions midway of printing positions now has successive printing positions.

2,408,623

COATING FERROUS METALS WITH MOLTEN ALUMINUM

Harvey N. Gilbert, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 7, 1942, Serial No. 457,588

4 Claims. (Cl. 117—51)

4. A process for the coating of a steel structure with aluminum which comprises pickling said structure with an acid medium to remove adhering oxide, washing the pickled article in water, and applying molten aluminum to the said surface containing substantially only water.

2,408,624

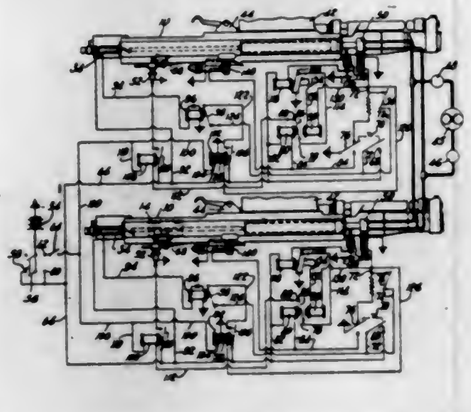
GUN CHARGER

George A. Goepfrich, South Bend, Ind.

Application March 4, 1943, Serial No. 477,975

4 Claims. (Cl. 89—1)

1. In combination with a gun having a breech block reciprocable for charging the gun, a fluid pressure motor mounted on the gun and constructed and arranged to engage the breech block to move the same to a retracted position and then release it for countermovement, an electrical system comprising a first and a second circuit connected to a source of current, an electrically operated valve in the first circuit for controlling fluid to the motor and connected in the first circuit through an openable connection, a time delay relay in the first circuit constructed and arranged to respond to normal reciprocation of the breech block to open said openable connection and to respond to abnormal reciprocation of the breech block to permit closing of said openable connection, a switch in the first circuit normally open and constructed and arranged to be closed by the breech block when in a retracted position to connect the time delay relay in the first circuit, a normally open trigger switch in the second circuit, a firing mechanism in the first circuit and mounted on the gun for holding the breech block in a retracted position to be released at a predetermined time, said mechanism being connected in the first circuit through a normally open connection, a relay in the second circuit constructed and arranged to respond to closing of the trigger switch for closing said normally open connection to said mechanism to cause release of the said breech block, said relay being connected in said second circuit through an openable connection, a relay in the first circuit constructed and arranged to open said openable connection to said relay in the second circuit to prevent connecting the firing mechanism in the first circuit before the fluid in the fluid motor has been completely exhausted to allow the breech block to return to its normal firing position, and a switch in the first circuit constructed and arranged to respond to fluid pressure in the motor for connecting the last mentioned relay in the first circuit to said circuit.



2,408,625

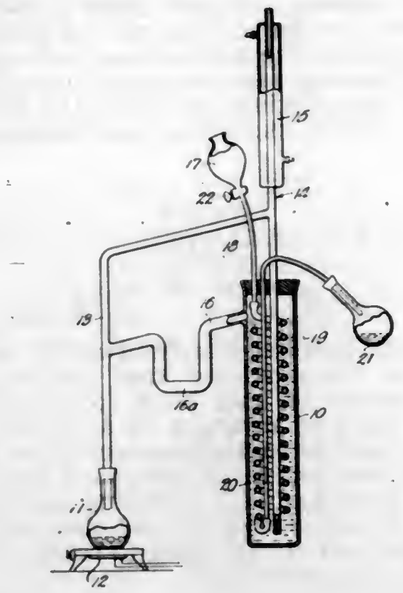
METHOD OF SEPARATING CHLOROPHYLL FROM VITAMINS AND OTHER FAT SOLUBLE MATERIALS

William R. Graham, Jr., Kansas City, and George O. Kohler, Mission, Kans., and Richard D. Hoover, Kansas City, Mo., assignors to American Dairies Incorporated, Kansas City, Mo., a corporation of Maryland, and The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey

Application June 5, 1942, Serial No. 445,958

4 Claims. (Cl. 210—8.5)

1. A method of separating fat soluble vitamins and pro-vitamins from extraneous organic material contained in a fat solvent extract of plant materials by dialyzation utilizing a membrane capable of diffusing the vitamins and pro-vitamins, comprising the steps of passing the fat solvent mixture and a relatively uncontaminated fat solvent on opposite sides of the membrane to selectively diffuse the vitamins and pro-vitamins through the membrane into the uncontaminated



solvent, separately removing the vitamin and pro-vitamin containing solvent and the solvent containing the organic materials, and recovering the vitamins and pro-vitamins from its solvent.

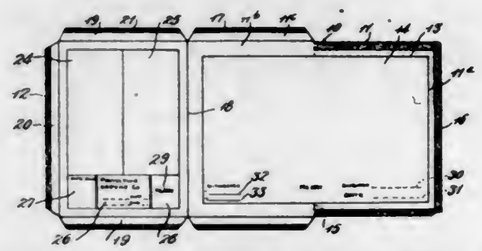
2,408,626

PROTECTING ORIGINATIVE MATTER

Lee B. Green, Lakewood, Ohio

Application August 28, 1943, Serial No. 500,435

8 Claims. (Cl. 283—9)



5. An invention record folder comprising a disclosure sheet and a cover sheet integrally connected therewith, said disclosure sheet having thereon an appropriately designated space for receiving a disclosure of an idea and being foldable to conceal said disclosure, means on said disclosure sheet for sealing the same in its folded condition, said cover sheet being foldable against the folded and sealed disclosure sheet, means on the cover sheet for sealing the same to the folded disclosure sheet, said cover sheet having an appropriately designated space for receiving indicia on the inner face thereof providing a record of data relating to said disclosure and being capable of being cut open to reveal said data while said disclosure sheet remains sealed, said disclosure sheet having appropriately designated spaces thereon for signatures and dates and located so that the latter spaces are in overlying relation for the folded condition of the disclosure sheet and said folded disclosure sheet having numerous perforations formed therein so as to extend through both layers thereof and distributed over said disclosure and said latter spaces to prevent alteration without detection.

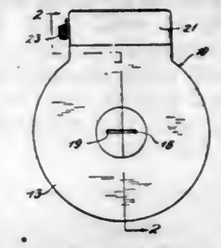
2,408,627

APPARATUS FOR EXTRUDING

Lee B. Green, Lakewood, Ohio

Application October 11, 1943, Serial No. 505,794

3 Claims. (Cl. 18—12)



1. In extruding apparatus, a die including a die head having an extrusion opening, means for discharging heated non-metallic thermoplastic material from said extrusion opening, and a vibration generating device attached to said die head.

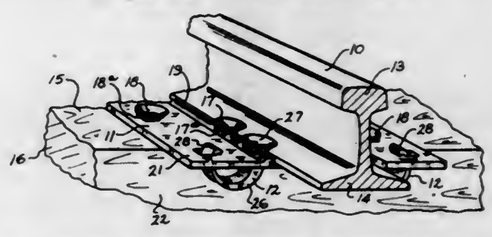
2,408,628

RAIL FASTENING

Lee B. Green, Lakewood, Ohio

Application October 21, 1943, Serial No. 507,117

7 Claims. (Cl. 238—321)



1. In combination with a flanged rail and a rail supporting plate having a pair of openings spaced transversely to the direction of the rail and both located on the same side of the rail flange, a rail fastener having a bowed resilient portion lying below the plate and extending away from the rail and ends extending upwardly into said openings, one of said ends having means thereon for anchoring the same in one of said openings and the other end having a holding portion thereon engaging the flange of the rail in overlying relation thereto, said fastener also having a shoulder thereon spaced from said other end so as to engage under said plate.

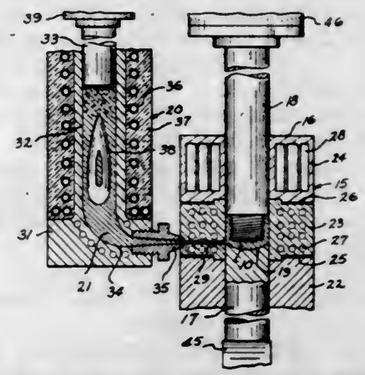
2,408,629

MOLDING APPARATUS AND METHOD

Lee B. Green, Lakewood, Ohio

Application October 21, 1943, Serial No. 507,118

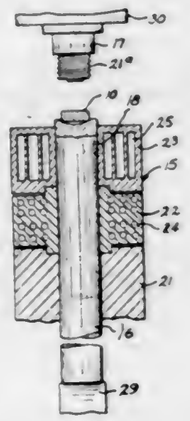
7 Claims. (Cl. 18—30)



1. The method of molding articles from thermoplastic material or the like which comprises, forming a mold cavity between a pair of plungers slidable in a stationary mold body having a heated

section and a cooling section, supplying heated thermoplastic material to said cavity under pressure while the latter is in said heated section, moving said plungers first conjointly in a substantially fixed spaced relation to each other to cut off the supply of said material to the cavity and then relatively to each other to subject said material to an increased molding pressure, and then again moving said plungers conjointly in a substantially fixed spaced relation to each other to shift said cavity with the molded article therein to said cooling section.

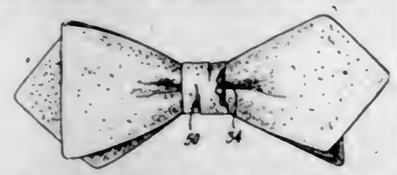
2,408,630
APPARATUS FOR MOLDING PLASTIC MATERIAL
Lee B. Green, Lakewood, Ohio
Application October 21, 1943, Serial No. 507,119
1 Claim. (Cl. 18—17)



Molding apparatus for producing articles from thermosetting material or the like comprising, a stationary mold body having heated and cooled sections and a bore extending through said sections, a pair of opposed plungers slidable in said bore and their adjacent ends having die elements thereon corresponding in shape with the article to be molded, said adjacent ends being spaced apart and adapted to cooperate directly with each other and with the wall of said bore so as to define a mold cavity for said article in said heated section, said plungers cooperating with said bore for rapidly producing individual molded articles from said material and being relatively movable so as to open said cavity for the reception of a pill or the like of the moldable material and to subsequently close the cavity and subject said material to molding pressure therein in said heated section and said plungers being then movable conjointly in the same direction in said bore for shifting the mold cavity with the molded article therein out of said heated section and through said cooled section to the outer end of said bore so as to open said cavity for the discharge of the molded article and the reception of another pill or the like of said moldable material, and actuating devices for the respective plungers and cooperating to produce such sequential movements of the plungers.

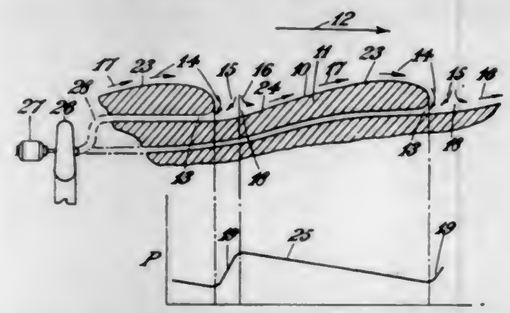
2,408,631
BOW TIE DEVICE
Max Greenfield, Brooklyn, N. Y.
Application February 28, 1945, Serial No. 580,141
11 Claims. (Cl. 2—154)

3. A bow tie device of the character described comprising, in combination, a main body member having a plate adapted to overlie the rear surface of the center constricted portion of said bow tie, a clamping member comprising bottom, top and side portions, said bottom portion being pivotally mounted on said plate adjacent the bottom edge thereof leaving said top portion free, means adjacent the top edge of said plate for releasably locking said top portion to said plate with said side portions overlying the front surface of the center constricted portions of said bow



tie, said side portions being outwardly curved to conform to the simulated knot portion of said bow tie, means on said plate for gripping one end of a band of mtaerial so as to be able to cause said band to encircle said constricted center portion of said bow tie to simulate a knot and to hide said plate and said clamping member from view, and means carried by said plate for clamping the free end of said band to retain the same in its encircled position.

2,408,632
FLUID-SOLID CONTACT SURFACE
Alan Arnold Griffith, Derby, England, assignor to Rolls-Royce Limited, Derby, England, a company of Great Britain
Application August 12, 1943, Serial No. 498,414
In Great Britain August 25, 1942
5 Claims. (Cl. 244—40)



1. A solid having a surface over which fluid flows, which is provided with at least one suction slot and which surface is convex to the fluid upstream of the slot and is concave to the fluid downstream of the slot with the greatest arithmetical curvature at the slot in each case, and means for sucking some of the fluid through the slot.

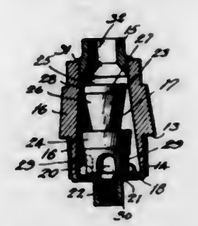
2,408,633
PRODUCTION OF SUBSTITUTED QUINAZOLONES FROM ORGANIC PHOSPHAZO COMPOUNDS
Alfred Guenther, Riegelsville, Pa., and Jack F. Morgan, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 7, 1945, Serial No. 587,213
10 Claims. (Cl. 260—251)

1. The process of producing substituted quinazolones which comprises heating an organic phosphazo compound having the general formula

$$(R—N=P—NHR)_n$$

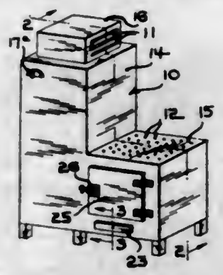
wherein n is selected from the class consisting of 1 and 2, and R is selected from the class consisting of an aliphatic chain, an alicyclic nucleus, an aromatic nucleus and a heterocyclic nucleus and is free from nitro and carbonyl groups in o- and p-position to its linkage to the remainder of the molecule with an N-acyl-o-aminocyclic carboxylic acid selected from the class consisting of aromatic and heterocyclic carboxylic acids in the presence of an inert, normally liquid organic solvent.

2,408,634
BOTTLE CLOSURE TO RENDER BOTTLES NONREFILLABLE
Harry W. Hagen, Decatur, Ill.
Application May 1, 1944, Serial No. 533,483
11 Claims. (Cl. 215—25)



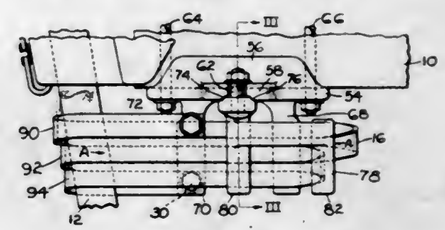
11. A bottle closure comprising a hollow body portion provided at its lower end with a plurality of valve-sealable openings, a core member positioned interiorly within said body portion and spaced therefrom so as to provide a path for fluids, said core portion being provided at its lower end with a plurality of recesses adapted to guide freely movable valve-members capable of obturating said openings but limited as to their movement by the space between said recesses and the interior surface of the body portion.

2,408,635
ICE AIR CONDITIONING SYSTEM
John M. Hall, New York, N. Y.
Application April 5, 1945, Serial No. 586,664
4 Claims. (Cl. 62—133)



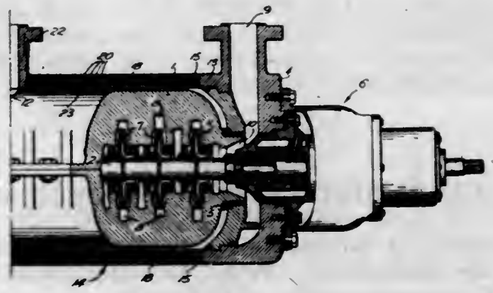
1. An air conditioning system, comprising a box-like substantially L-shaped housing presenting connecting vertical and horizontal chambers, the vertical chamber being larger than said horizontal chamber and extending thereabove to provide an air intake column, an air inlet at the top of the vertical portion and an air discharge at the top of the horizontal portion, a fan in the top of said vertical portion for forcing air downwardly therethrough to circulate air through said housing, a support within said housing for a cake of ice, a door in said housing to make said support accessible, a drain beneath said support, a tray for said drain to discharge into, and baffle plates movably mounted in said housing for directing the air stream against said cake of ice.

2,408,636
PICKER STICK CHECKING MECHANISM
Wallace Hamilton, Albany, N. Y., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Refiled for abandoned application Serial No. 535,420, May 13, 1944. This application May 31, 1945, Serial No. 596,832
6 Claims. (Cl. 139—165)



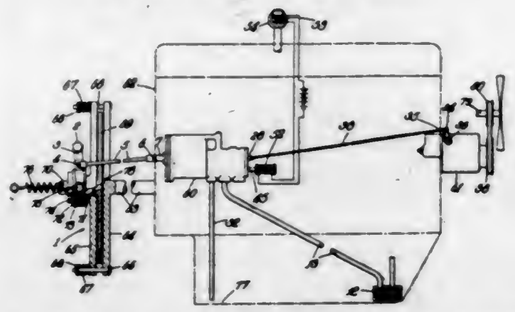
1. A check for a picker stick including front and rear brackets fixed to a lay and having depending friction fingers, and a flexible strap fixed at each end to said brackets and helically threaded between said fingers to form a plurality of loops arranged to be progressively engaged by the picker stick as it approaches each limit of movement to check said stick.

2,408,637
DOUBLE-CASING HIGH-PRESSURE PUMP
Edward Hart, San Marino, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application July 31, 1944, Serial No. 547,423
2 Claims. (Cl. 103—108)



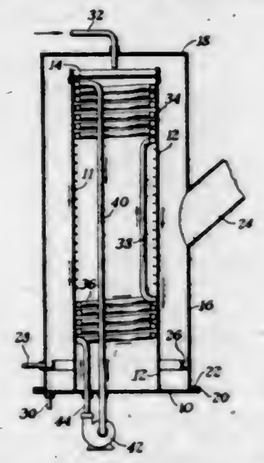
1. In a double casing high pressure pump of the class described, an outer cylindrical casing constructed of a plurality of superimposed layers of rolled metal plate welded in close pressure engagement with one another for withstanding high internal fluid pressures, a lateral intake head welded to said casing at one end and a flange welded to the casing at the other end, an end head secured to said flange, aligned bearings carried by said heads for a pump shaft, a pump enclosed in said casing and having a rotary shaft extending therethrough and mounted in said end bearings, a plurality of impellers mounted on said shaft and operative in series to provide a high pressure discharge for the pumped fluid, said pump being supported at its ends only by said end heads and being continuously and radially spaced from said outer casing to provide a closed chamber therebetween for substantially the full length of the pump, and a lateral discharge outlet welded to said casing substantially centrally thereof in alignment with the discharge port of the pump and connecting with the space between said pump and casing to dispose fluid in said space under circumferential and longitudinal pressure protecting the pump against internal fluid pressures during operation of the pump.

2,408,638
APPARATUS FOR CONTROLLING POWER TRANSMISSION SYSTEMS
Stanley Hedgecock, Wood Green, London, England, assignor to Laystall Engineering Company Limited, London, England, a British company
Application July 7, 1943, Serial No. 493,780
In Great Britain July 20, 1942
6 Claims. (Cl. 192—3.5)



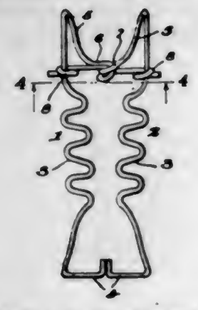
1. In a power transmission system, a power unit, a rotary element driven thereby, an element adapted to engage said rotary element frictionally, pressure-actuated means including a piston for operating said engaging element, means for continuously forcing fluid under pressure to said piston, a slide valve assembly interposed between said fluid-forcing means and said piston for controlling the application of fluid pressure to said piston, said assembly comprising a casing, a ported sleeve slidable in said casing and fixed to said piston and a valve rod, and means responsive to the speed of said power unit and operatively connected to said valve rod for actuating said assembly to cut off the pressure from operating means below a predetermined speed of said power unit and to allow the pressure to be directly applied to said piston on said predetermined speed being exceeded.

2,408,639
VACUUM DISTILLATION PROCESS AND APPARATUS
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application June 20, 1944, Serial No. 541,253
11 Claims. (Cl. 202—52)



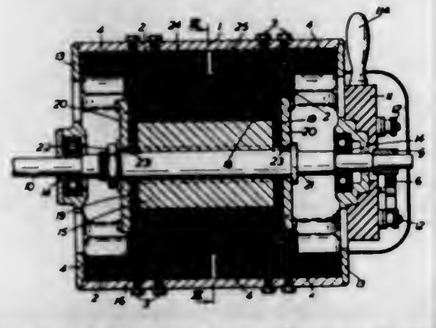
1. High-vacuum distillation apparatus comprising in combination a vaporizing surface, a condensing surface, means for heating the vaporizing surface, means for distributing distilland onto the vaporizing surface in a thin film, means for removing undistilled residue from the vaporizing surface, means for recovering heat from the undistilled residue while it remains in the form of a thin film in the still, means for transferring this recovered heat to the incoming distilland while it is in the still, while it is in the form of a thin film and immediately previous to its passage onto the vaporizing surface, and means for removing condensate from the condensing surface.

2,408,640
COMBINED BOOTJACK AND BOOT HOOK
Charles G. Hilton, Amarillo, Tex.
Application August 12, 1943, Serial No. 498,349
4 Claims. (Cl. 223—115)



1. A combined boot jack and boot hook comprising a pair of elongated members arranged in side-by-side relation and having in-turned hooks forming a relatively flat keel rest at one end, means for detachably connecting said members together, and yoke arms on the respective members at the other end thereof coacting to form a yoke to receive a boot heel, and a pair of legs projecting at an angle from said members and converging toward each other at the outer ends of said legs.

2,408,641
DYNAMOELECTRIC MACHINE
Stanley Isaiah Hitchcock, London, England, assignor to Tropical Plantations Limited, London, England, a British company
Application March 6, 1944, Serial No. 525,226
In Great Britain April 20, 1943
7 Claims. (Cl. 171—209)



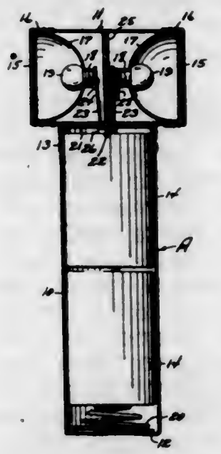
1. In an electromotive structure including a rotor incorporating a cylindrical permanent magnet having circumferentially spaced pole pieces at its opposite ends and a stator comprising circumferentially spaced complementary pole pieces and wound cores for energizing the same, the improvement that comprises a first series of laminations of a material of low reluctance extending between the pole pieces at opposite ends of said rotor, a second series of laminations extending between the pole pieces of said stator, the laminations of the first and second series defining therebetween an air gap, and intervening spacing members of non-magnetic material subdividing both series of laminations, the spacing members of the first series being staggered with respect to those of the second whereby a sinuous flux path between rotor and stator is provided while the pole pieces are in registry and a flux leakage path of medium reluctance is provided between the pole pieces.

2,408,642
SPARKING PLUG
Bernard Hopps and Colin James Smithells, Rugby, England, assignors to Lodge Plugs Limited, Rugby, England
Application February 15, 1943, Serial No. 475,980
In Great Britain March 28, 1942
1 Claim. (Cl. 123—169)



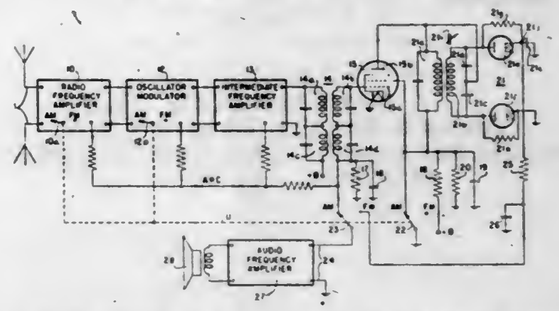
For use in a sparking plug of the kind specified, the combination of a central electrode in the form of a metal core having at one of its ends a firing tip of reduced diameter, a ceramic insulator having a longitudinal bore through which the electrode passes and which is reduced at the end adjacent to the firing tip, and a seal of vitreous material arranged between the electrode and insulator at the inner end of the firing tip to prevent products of combustion from coming into contact with any part of the electrode other than the firing tip, the seal being resistant to the action of such products.

2,408,643
SAFETY FLASHLIGHT FOR PEDESTRIANS AND BICYCLE RIDERS
Joseph A. Hoy, Hialeah, Fla.
Application June 28, 1944, Serial No. 542,469
2 Claims. (Cl. 240—10.67)



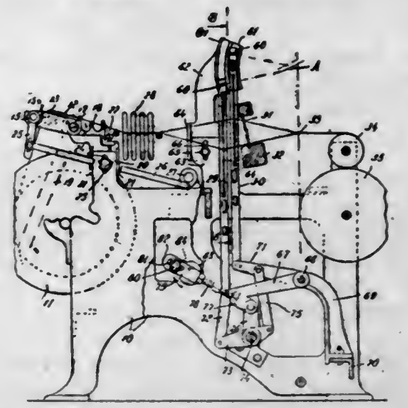
1. A flash-light of the kind described, comprising a battery case for housing an electric battery, a lamp head extending at right angles to the case and having a nipple connection with the said case, lenses in opposite ends of the head, reflectors within the head and confronting the lenses, electric light bulbs carried by the reflectors, a single U-shaped contact having the arms thereof contacting the button contacts of the bulbs and the base thereof contacting the contact button of the battery within the case, and control switches at opposite sides of the head for selectively disengaging the single contact from the bulbs.

2,408,644
COMBINED AMPLITUDE-MODULATION AND FREQUENCY - MODULATION RECEIVER STAGE
John W. Huff, Chicago, Ill., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application July 24, 1944, Serial No. 546,298
7 Claims. (Cl. 250—20)



1. In a wave-signal receiver adapted selectively to receive amplitude-modulated signals or frequency-modulated signals, a dual-purpose signal-translating stage comprising, a vacuum tube having a plurality of electrodes including a signal input electrode and a signal output electrode, an input circuit for applying received signals to said input electrode, a frequency discriminator coupled to said output electrode, a signal-frequency output circuit, circuit connections for said tube electrodes to cause said tube to operate as a diode amplitude-modulation detector, circuit connections for said tube electrodes to cause said tube to operate as a frequency-modulation limiter, and switch means operable in a first position to establish said first-named circuit connections and to connect said output circuit to said amplitude-modulation detector circuit and operable in a second position to establish said second-named circuit connections and to connect said output circuit to said discriminator.

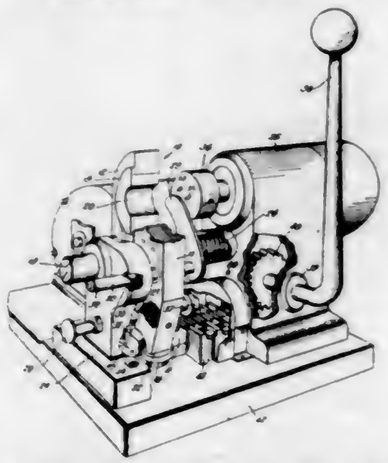
2,408,645
LOOM
John O. Hunt, Greenville, S. C., assignor to Mountain City Foundry and Machine Co., Greenville, S. C., a corporation of South Carolina
Application June 24, 1944, Serial No. 541,893
4 Claims. (Cl. 139—55)



1. In a loom for weaving fabric, the combination of a pair of heddle frames provided with eyes through which warp threads pass, the frames being reciprocable in opposite directions from a level position, pivoted arms connected at their free ends to the lower ends of the frames, the pivots of the arms lying in a plane through the fell of the fabric and at right angles to the warp

threads when the frames are level, means for oscillating the arms in opposite directions about their pivots to reciprocate the frames, guides at the upper ends of the frames having guideways of the form of arcs of circles about a center in said plane, and elements on the frames entering the guideways, said guides cooperating with the arms to cause the frames to have a broadside movement as the frames are moved up and down by the arms.

2,408,646
MACHINE TOOL
James R. Huntley, Hicksville, N. Y.
Application August 2, 1945, Serial No. 608,535
11 Claims. (Cl. 90—21)



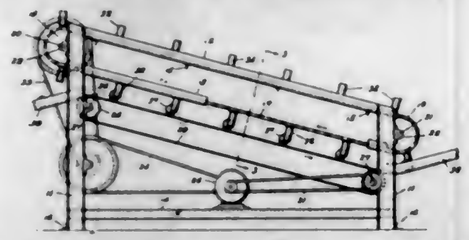
1. In a machine of the character described, the combination comprising a tool; a work clamp for movement toward and away from said tool and movable to and from work to be clamped thereby; an operating member having a portion movable toward said tool, said portion engaging the work clamp, relative movement between said portion and work clamp toward the tool causing work engaging movement of the clamp and after said work engagement, movement of the clamped work toward the tool; and yieldable means to restrain movement of said clamp relative to said tool until said work has been firmly clamped.

2,408,647
MANUFACTURE OF HYDRATED LIME
Harry N. Huntzicker, Evanston, and Charles Robert Norman, Jr., Chicago, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 13, 1941, Serial No. 383,170
8 Claims. (Cl. 23—188)

1. Process of producing plastic hydrated lime which comprises burning raw limestone in the form of pieces of fairly widely varying sizes under conditions sufficiently drastic to burn all of said limestone pieces to a condition of absence of unburnt core, thereby also producing some overburnt lime, hydrating the thus produced lime mixture under superatmospheric pressure to insure its substantially complete hydration, reducing the free moisture content of the product thus produced to below 1%, thereby producing a hydrated lime product in the form of a very fine substantially dry powder, and then agglomerating the particles of said powder into aggregations not substantially exceeding 30 mesh in size by ball milling said substantially dry powder with steel balls varying in size within the range of from about ¼" to 1" in diameter.

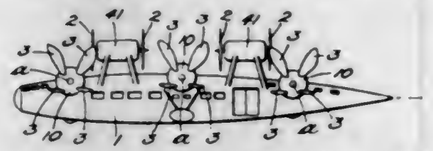
7. Process of producing a plastic hydrated lime which comprises ball-milling hydrated lime in a tube mill with balls whose diameter lies within the range of from about ¼ inch to about 1 inch, so as to re-aggregate lime particles of smaller size into aggregations of larger size.

2,408,648
APPARATUS FOR CLEANING EGGS AND THE LIKE
Clark H. Inman, Lakewood, N. J.
Application August 29, 1945, Serial No. 613,245
10 Claims. (Cl. 51—138)



1. In apparatus for cleaning eggs and the like, an egg-supporting element having an abrasive surface for engagement with the eggs; pocket members for cradling and advancing the individual eggs over said surface, said pocket members also having an abrasive surface engageable with the eggs; and means for moving the pocket members relative to the supporting element.

2,408,649
AIRCRAFT HAVING MOVING AIRFOIL OR WING
Arthur Rex Jackson, Mill Hill, England
Application May 19, 1944, Serial No. 536,364
In Great Britain May 3, 1943
16 Claims. (Cl. 244—21)



1. In an aircraft, in combination, means for propelling the aircraft, a plurality of wings for maintaining the aircraft airborne, means for mounting each wing for oscillation about an axis transverse to the aircraft and for rotation about another axis transverse to the aircraft, coupling means interconnecting said wings to cause rotation thereof in unison, transmission means correlating the rotary and oscillatory movement of each wing in such manner that the reaction of the air against the same resulting from movement of the aircraft caused by said propelling means effects both rotary and oscillatory movement thereof, each wing being inclined to its path of progression in space to exert an upward thrust on the aircraft to keep it airborne, and means for adjusting said transmission means to vary the inclination of the wing operated thereby to its path of progression, whereby the upward thrust applied thereby to the aircraft is variable.

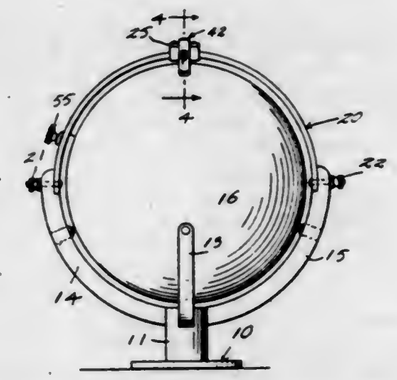
2,408,650
WATER-RESISTANT SHOE
George Hollis Jennings, Cincinnati, Ohio
Application March 30, 1945, Serial No. 585,649
3 Claims. (Cl. 36—78)

1. A calk welt for shoes formed of a strip folded around an oil absorbent body to form a bead, with the remainder of the strip serving as a fin for mounting in a shoe, and a series of holes



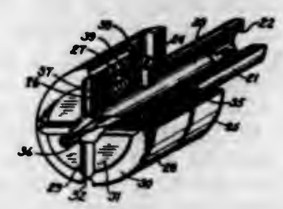
formed in that portion of the strip which surrounds the oil absorbent body.

2,408,651
WORLD GLOBE AND SCALE
Ralph A. Kiehl, San Diego, Calif.
Application November 10, 1944, Serial No. 562,810
6 Claims. (Cl. 35—46)



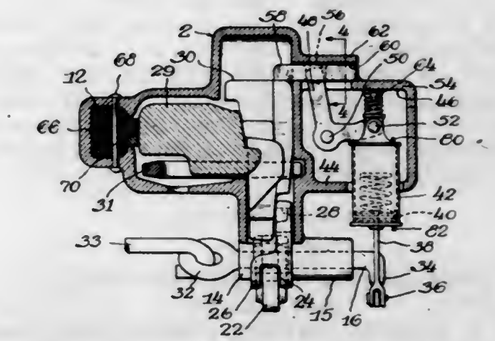
1. A globe and support therefor comprising a base, a standard rising from said base, radially arranged upwardly directed arcuate arms carried by said base, a globe rotatably seated in the concave sides of said arms and having universal movement, a substantially semi-circular combined globe retainer and guide bar rockably carried by an opposed pair of said arms, a slide member slidably carried by said bar, and spring-pressed brake means carried by said bar for holding said globe against rotation.

2,408,652
CENTER DRILL CHUCK
Benjamin F. King, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 11, 1944, Serial No. 544,400
3 Claims. (Cl. 77—66)



1. In a cutting device for a work rotating machine, a tool holder, a shoulder on said tool holder, a reduced end portion on said tool holder, a circular ball bearing forced on said end portion, a stop collar on said bearing to turn with respect to said holder, and a washer between said shoulder and said bearing, said shoulder being formed with openings through which said washer may be struck to push the bearing and collar off said tool holder.

2,408,653
COUPLER
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 30, 1943, Serial No. 496,802
43 Claims. (Cl. 213—153)



1. In a coupler, a pivoted knuckle, a lock presenting flat bearing surfaces for compression between said knuckle and a wall on said coupler, depending trunnion lugs on said coupler, a rotor pivoted from said lugs, a lifter arm interlocked with said rotor, a link pivoted to said arm and said lock, a lever fixed to said rotor, a bell crank pocket on the guard arm side of said coupler, a bell crank pivoted within said pocket, a slot through said coupler above said pocket and partly defined by the top wall thereof, an opening through said wall communicating with said slot, a slidable anticreep member mounted in said slot for movement into and out of locking engagement with said lock, the upper end of said bell crank extending through said opening for connection to said member, a slot in the bottom wall of said pocket, a double-acting power cylinder device movably positioned within said last-mentioned slot, said device being connected at opposite ends thereof to said lever and said bell crank, and resilient means bearing against the upper end of said device and against said top wall.

2,408,654
SILICIC ACID SOLS
Joseph S. Kirk, Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 18, 1942, Serial No. 439,547
5 Claims. (Cl. 252—309)

1. In a process for the preparation of a silicic acid sol the steps comprising mixing with agitation an aqueous silicic acid sol which does not exhibit evidence of gelling and an organic hydrogen bonding donor compound which contains at least one oxygen atom bonded to a carbon atom, is selected from the group consisting of ethers in which the carbon atoms attached to the ether oxygen are not attached to each other, amides, and ketones, is soluble in water to the extent of at least one half per cent by weight, and which does not form a precipitate with soluble silicic acid, dissolving in the mixture a salt chemically non-reactive with the hydrogen bonding donor compound or the silicic acid, the pH of the solution being such that the corresponding metal silicate is not formed, and thereby salting out the hydrogen bonding donor compound together with the silicic acid to form two liquid phases, one of which contains the material salted out and the other water and salt, and separating the silicic acid phase from the water and salt.

2,408,655
SILICIC ACID COMPOSITIONS
Ralph K. Iler, Cleveland Heights, and Joseph S. Kirk, Seven Hills Village, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 18, 1942, Serial No. 439,548
3 Claims. (Cl. 252—309)

1. In a process for improving the stability against jelling of a polysilicic acid solution the steps comprising mixing together an aqueous polysilicic acid solution and a trialkyl ester of phosphoric acid in which the alkyl group contains less than five carbon atoms, and removing water from the mixture.

2,408,656
PROCESS FOR PRODUCING SILICIC ACID SOLS
Joseph S. Kirk, Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 27, 1943, Serial No. 484,768
6 Claims. (Cl. 252—309)

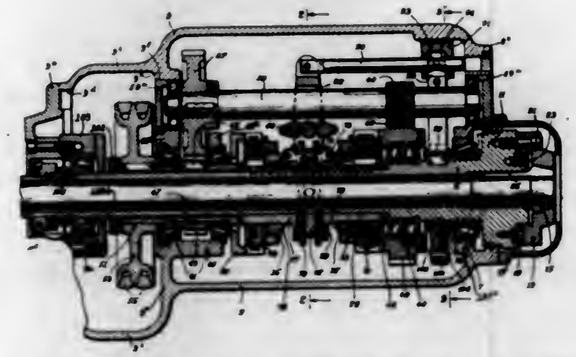
4. In a process for producing a liquid alcohol-polysilicic acid hydrogen-bonded complex having a pH below about 3.0 and containing not more than about 20 per cent by weight of water, the steps comprising mixing an aqueous polysilicic acid solution exhibiting no evidence of gelling and having a pH below about 3.0, and a liquid alcohol having at least two carbon atoms per hydroxyl group, the amount of alcohol used being not more than the amount which permits a water-soluble salt to dissolve in the solution and not less than the amount which, when the solution is saturated by dissolving such a salt, causes formation of a separate, alcohol-rich polysilicic acid-containing phase distinct from the remainder of the solution, whereby an alcohol-polysilicic acid hydrogen-bonded complex is formed in solution, salting out the hydrogen-bonded complex to form a separate phase by adding a salt which is non-reactive with the alcohol and the silicic acid, the pH being such that the metal silicate corresponding to the salt is not formed, and separating the salted-out phase from the remainder of the solution.

2,408,657
HAIR CURLER
Rudolf Krasberg, Chicago, Ill.
Application April 20, 1944, Serial No. 531,876
8 Claims. (Cl. 132—34)



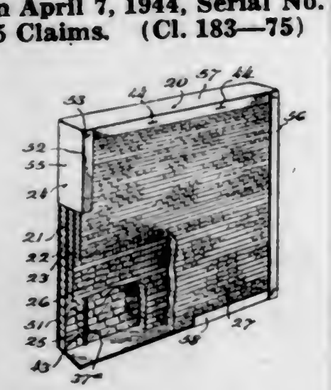
8. A hair curler comprising a hollow bar on which a strand of hair is to be wound, said bar having an extension portion beyond the portion on which the strand is wound a demountable wire locking member adapted to maintain the strand in wound condition comprising a wire arm portion spaced from the surface of said bar to overlie the curl and a resilient coil spring portion mounted on the exterior of an extension of said bar so as to have inherent rotation resisting relation therewith.

2,408,658
TURRET LATHE HEADSTOCK
Robert Kurzweil, Kew Gardens, N. Y., assignor to Morey Machinery Co., Inc., Astoria, Long Island, N. Y., a corporation of New York
Application May 5, 1943, Serial No. 485,955
20 Claims. (Cl. 82—28)



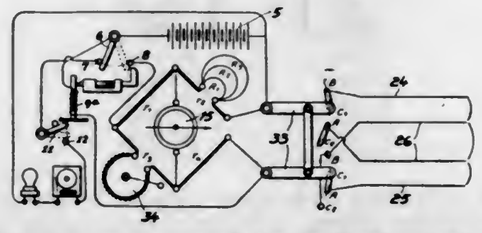
1. In a headstock, a housing, a pair of spaced bearings in the housing, a spindle journalled within said bearings, a sleeve telescoped on said spindle, bearings in said housing to support said sleeve, means to clutch said sleeve to said spindle, a bearing on said spindle, a gear on said last named bearing, a back shaft parallel to the spindle and journalled within said housing, a gear on said sleeve, gears on said shaft meshing respectively with the gear on said bearing and the gear on said sleeve, and means to clutch the gear on said bearing, to said spindle, said sleeve, clutch means and bearing on the spindle being located between the first named pair of bearings.

2,408,659
AIR FILTER
Charles G. Lamb, Elmhurst, Ill.
Application April 7, 1944, Serial No. 529,909
15 Claims. (Cl. 183—75)



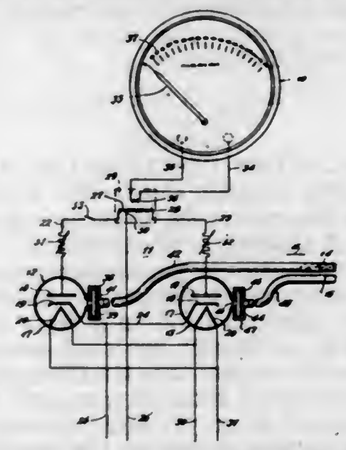
1. A replaceable filter cell for air filters, comprising a plurality of narrow strips of single face corrugated paper arranged in a stack, with the liners of one strip engaging the corrugations of the next, but unattached thereto, and a supporting frame for maintaining said strips in a unit, comprising a pair of end frame members, one at each end of the stack, and a plurality of transverse frame members secured to said end frame members and engaging said corrugated strips to hold them in a unitary assembly and means for impregnating said filter cell and providing its external surface with a tacky material, comprising a sprayed and absorbed supply of adhesive compound, said transverse frame members being located in slots in the corrugated strips and being in frictional engagement with the said corrugated strips at the walls of said slots, the said transverse frame members extending from the face of the filter cell from said slots for the purpose of engaging additional filter cells and spacing the present filter cell from additional filter cells to provide a dead air space between this cell and adjacent cells.

2,408,660
REMOTE INDICATION SYSTEM
Birger Adolf Lannge, Rasunda, Sweden
Application May 25, 1943, Serial No. 488,393
In Sweden February 15, 1943
5 Claims. (Cl. 177—311)



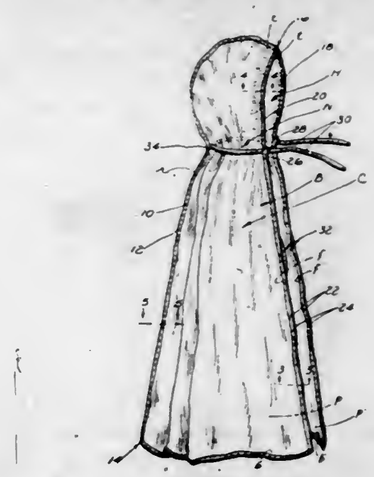
1. In an arrangement for indicating at a control station the occurrence, at any one of a plurality of remote locations, of a predetermined physical condition, the combination of an alarm mechanism at said control station including a relay, an alarm device, an energizing circuit for said alarm device including a back contact of said relay, and means operative upon release of said relay for locking said back contact in closed position, a source of current connected in series with said relay, a contact device at each location including a normally closed contact adapted to open upon occurrence of said predetermined physical condition at its location and a normally open contact adapted to close shortly after the opening of the associated normally closed contact, said normally closed contacts being connected in series across said source of current and relay to keep the latter normally energized, circuits connecting said normally open contacts parallel to each other across said relay and source of current, each of said circuits having a predetermined resistance different from those of all the other parallel circuits, a normally open shunt across said relay, an electrical measuring instrument in said shunt, and an operator controlled switch to close said shunt.

2,408,661
AIR-SPEED INDICATOR
Asa Ben Lee, Cleveland, Ohio, assignor to Designers for Industry, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 20, 1943, Serial No. 511,167
5 Claims. (Cl. 73—212)



1. An indicator of the character described comprising a plurality of electron tubes having output circuits connected in parallel, each of said electron tubes having gas sealed therein and the electrical output of each electron tube being variable in accordance with changes in the gas pressure therein, a Pitot tube located to be acted upon by a fluid stream, fluid impulse conducting means connecting said Pitot tube with one of said electron tubes so that velocity changes in said stream will produce corresponding variations in the gas pressure in said one electron tube, a static tube, fluid impulse conducting means connecting said static tube with another of said electron tubes for varying the gas pressure therein in accordance with changes in the static pressure of said fluid, and a meter electrically connected with said output circuits.

2,408,662
RAIN PROTECTIVE GARMENT
Benjamin A. Levitt, Newark, N. J., assignor to A. L. Siegel Co. Inc., New York, N. Y., a corporation of New York
Application September 5, 1945, Serial No. 614,491
4 Claims. (Cl. 2—84)



1. A rain protective garment comprising a body made of waterproof sheet material, said body consisting of two similarly dimensioned sheet patterns, one superimposed on the other, defining in the garment assembly a hood section and a cape section, the region between the hood section and the cape section defining the neck of the garment, each sheet pattern having a bottom edge, a rear edge and a front edge, the rear and front edges converging and merging at the top, the two sheet patterns being united together along their rear edges by a binding stitched thereto, the front edges at the hood section of the garment having an elastic binding stitched thereto and thereby producing a cupped and head fitting hood, the front edges together with the bottom edges at the cape section having a binding stitched therealong, and a tie string attached to the neck of the garment forming a neckband.

2,408,663
STUD OR PROTECTOR FOR BOOTS AND SHOES
William Howell Lewis, Cwmllynfell, Swansea, South Wales
Application September 6, 1945, Serial No. 614,702
In Great Britain July 17, 1945
2 Claims. (Cl. 36—75)

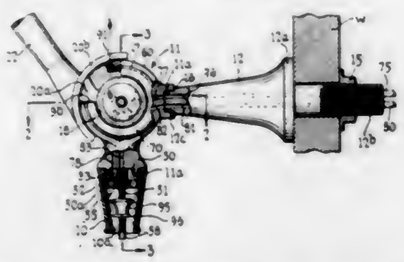
1. A stud or protector for boots and shoes comprising a block shaped to form an outer portion of a sector of a circle, namely a sector truncated by a transverse straight line, said block

having on its underside and extending the length thereof a channel-section groove the inner faces of the walls of which are inclined to form sharp edges in conjunction with the external side faces



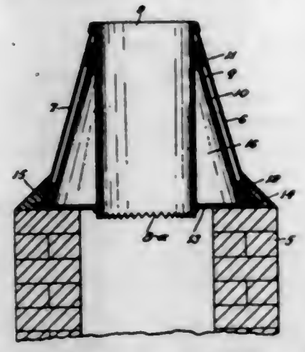
of the block, and a conical hole in the centre of the block for screw reception, the straight side wall of the block being formed with sharp prongs and the curved side wall being uninterrupted from end to end.

2,408,664
MIXING FAUCET FOR BEVERAGES
Charles William Lloyd, Brooklyn, N. Y., assignor to Ginger-Cola Dispenser, Inc., Brooklyn, N. Y., a corporation of New York
Application May 17, 1945, Serial No. 594,197
6 Claims. (Cl. 225—26)



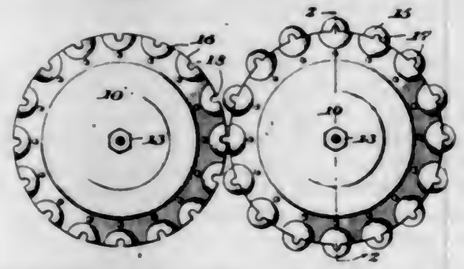
1. In a beverage dispensing device of the character described a faucet comprising an inlet member, a nozzle portion having a discharge orifice and a valve body interconnecting said inlet member and said nozzle, a shutter valve rotatably mounted in said valve body and adapted to be moved to open or closed position, said shutter valve having a first inlet port, a first outlet port and a first passageway interconnecting said first inlet and outlet ports, a second inlet port, a second outlet port and a second passageway interconnecting said second inlet and outlet ports, said passageways being disposed in different planes in the shutter valve a first passageway in said inlet member for the feeding of charged water under pressure directly from its source, said last named first passageway communicating directly with said first inlet port when the said shutter valve is in open position, a second passageway in said inlet member for feeding syrup under pressure directly from its source, said last named second passageway communicating directly with said second inlet port when said shutter valve is in open position, a first passageway in said nozzle portion communicating directly with said first outlet port and said discharge orifice when said shutter valve is in open position, and a second passageway in said nozzle portion communicating directly with said second outlet port and with said discharge orifice when said shutter valve is in open position whereby charged water and syrup may flow simultaneously into a tumbler directly from their independent sources through said discharge orifice, and means for selectively moving said shutter valve to open or closed position.

2,408,665
CHIMNEY TOP
Elmer R. Lovely, Glastonbury, Conn.
Application November 15, 1943, Serial No. 510,317
8 Claims. (Cl. 98—67)



1. A chimney top attachment comprising a tapered outer casing, a tapered inner shell spaced from said casing to provide an insulating space therebetween, a bottom plate extending across the bottom of said outer casing and sealed to the edge thereof, and a tube extending through, and in sealing engagement with, said bottom plate and the tops of said shell and casing.

2,408,666
ANTIFRICTION GEARING
Logan L. Mallard, Norfolk, Va.
Application August 20, 1943, Serial No. 499,401
7 Claims. (Cl. 74—464)

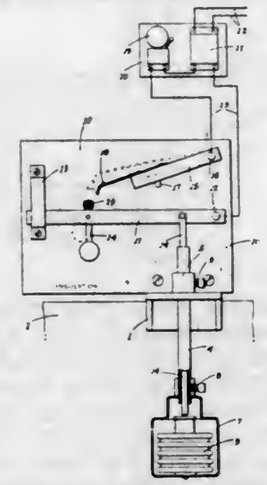


1. Anti-friction gearing including a pair of coacting transmission members, one of which is formed with bearing recesses on the periphery thereof and a series of rotatable anti-frictional elements disposed in said recesses and the other of which is provided with a series of recesses in its periphery adapted to receive said bearing elements when the transmission members are in motion, and resilient retainer members projecting radially from said first-named transmission member and engaging said anti-frictional elements in the transverse axial regions thereof to detachably maintain the latter in the bearing recesses provided therefor.

2,408,667
THERMOSTAT CONTROLLED ALARM
Philip Martin, Camarillo, Calif.
Application November 30, 1943, Serial No. 512,300
6 Claims. (Cl. 177—311)

3. A thermostatic alarm device comprising an expansible thermostat, means to mount the thermostat in a fixed position in a zone of heat, an electric alarm, a circuit for said alarm, an upstanding panel above the thermostat mounted with the thermostat mounting means, a substantially horizontal lever pivoted adjacent one end of the panel, a bar pivoted on the panel and overhanging the lever, the bar and lever being insulated from each other and separately connected

to the circuit to form a switch therein, a finger projecting from the free end of the bar, means normally supporting the bar against downward tilting movement beyond a predetermined position, the finger being then spaced from the lever when the latter is in its normal position, and means between the thermostat and lever to swing the latter upwardly upon expansion of the thermostat whereby the lever will engage the finger and the circuit will be closed, and manually operable means on the lever to support the finger clear of and in insulated relation to the lever upon first lifting the finger from contact with the bar and allowing the bar and finger to reassume their normal relationship to the lever upon a lowering movement of the latter to normal.

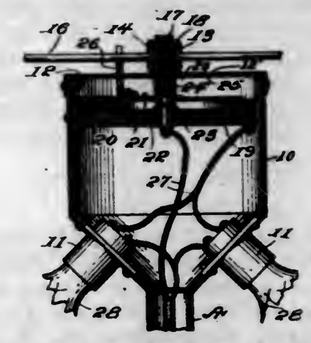


2,408,668
ELECTROLYSIS OF COPPER
William Clark Mason, Inspiration, Ariz., assignor to Inspiration Consolidated Copper Company, a corporation of Maine
No Drawing. Application May 27, 1943, Serial No. 488,745
1 Claim. (Cl. 204—108)

In a process for the production of electrolytic copper cathodes involving electrolytic precipitation of copper from a sulphuric-acid-containing electrolyte, the improvement which comprises inhibiting the formation of sprouts on the cathodes during electrolysis by adding to the electrolyte an oil-treated acid obtained by agitating one volume of naphthenic crude oil with about five volumes of about 78% to 95% sulphuric acid, causing the oil-treated acid to settle and a tar-like material to form on top, and removing the tar-like material, the resulting oil-treated acid being added to the electrolyte in an amount corresponding to that produced by the treatment of about 1.4 to 2.8 gallons of the crude oil per ton of copper cathodes precipitated.

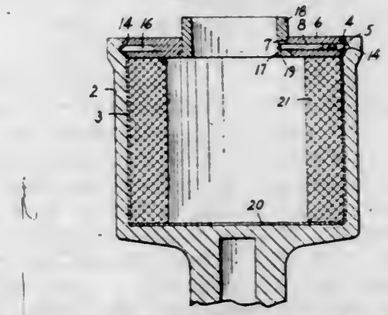
2,408,669
COMBINATION SWITCH AND LIGHT CONTROL FOR FLOOR LAMPS
Leslie N. Mattson, Paulsboro, N. J.
Application May 4, 1944, Serial No. 534,138
2 Claims. (Cl. 240—123)

1. In an electric lamp including a pedestal, an enlarged upper end on said pedestal, a lamp shade having a rotating frame on said pedestal, a resistance coil mounted on a circular insulating base secured to occupy a stationary position in the enlarged upper end of the pedestal of the lamp, a contact rotatably mounted in the upper end of the pedestal contacting said resistance and adapted for operation through the medium of the frame of the lamp shade, a source of current connected to said resistance, a lamp bulb



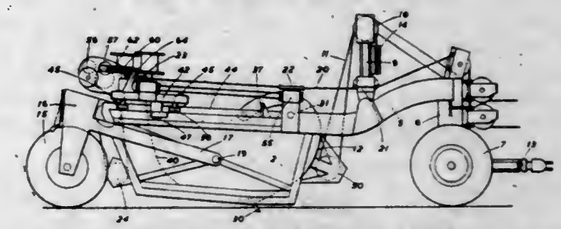
connected to said contact, and an L-shaped insulated member secured to said contact having the upper end thereof forked to provide an operative connection between said contact and the frame of said shade.

2,408,670
SPINNING BUCKET ASSEMBLY
Henry J. McDermott, Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 7, 1944, Serial No. 539,216
16 Claims. (Cl. 57—76)



1. In combination, a removable shell adapted to be positioned in a spinning bucket and conforming to the shape thereof, a cover for the bucket, means for interlocking the cover and the bucket, and means for interlocking the cover and the shell.

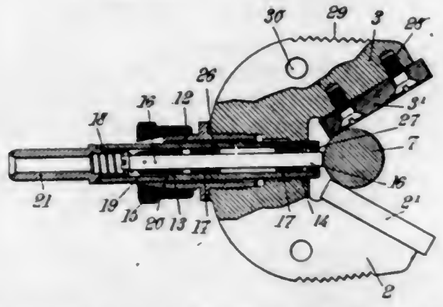
2,408,671
EARTH-MOVING MACHINE
Arthur Burnard McFarlane, Harrow, England, assignor of one-half to Robert Lowe, Bexley Heath, England
Application December 1, 1943, Serial No. 512,501
In Great Britain November 23, 1942
3 Claims. (Cl. 37—126)



1. A bucket wheel scraper including a wheeled bucket, a scraper blade at the lower front edge of the bucket for passing dirt thereinto under a movable front apron, a longitudinally movable tailgate ejector for spilling earth from the bucket over the blade when required; a carriage adjacent each lateral edge of said tailgate for the support thereof, a rigid arm upstanding from each

carriage and a compressed resilient element extending across the rear of said bucket and being flexibly connected to each rigid arm for automatically returning said tailgate to its position at the rear of said bucket after ejection; said flexible connections being so related to said rigid arms as to partially compensate for the moment produced by the resistance encountered, particularly by the lower part of the tailgate during ejection of the contents of the bucket.

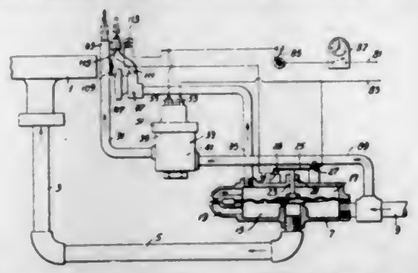
2,408,672
APPARATUS FOR MEASURING OR CHECKING TRANSVERSE DIMENSIONS
Marcel Mennesson, Neuilly-sur-Seine, France, assignor to Societe Anonyme Pour La Construction de Materiel Automobile (S. A. C. M. A.), Neuilly-sur-Seine (Seine), France, a society of the French Republic
Application March 3, 1945, Serial No. 580,748
In France April 22, 1944
8 Claims. (Cl. 33—178)



3. An apparatus of the type described for the measurement of pieces which comprises, in combination, a body including two branches the opposite faces of which are plane and inclined with respect to each other so as to form a V, said body being provided with a radial passage opening into the apex of the V and extending in the direction of the bisector thereof, a tube adjustable in said passage in the axial direction thereof, a push-rod slidable axially in said tube and projecting at one end therefrom into said V so as to be able to cooperate, through said end, with a piece to be measured and engaged between the branches of the V against the faces thereof, abutment means for preventing said rod from projecting into said V beyond a given position with respect to said tube, elastic means for urging said push-rod toward said position, bearings for guiding said push-rod in said tube, said bearings being provided with longitudinal channels affording an uninterrupted communication from one end to the other of said tube, said tube forming a conduit for the flow of a gaseous stream and being open at one end into the atmosphere, means for feeding a permanent gas under pressure to the other end of said tube, a valve in said tube adapted to control the section of flow therethrough, said valve being operatively connected with said push-rod, aand manometric means for measuring the pressure in said tube ahead of said valve.

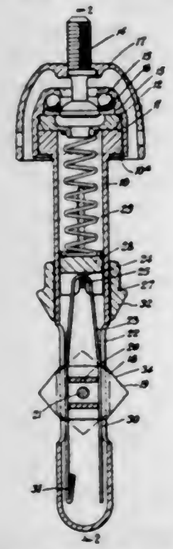
2,408,673
GAS BURNER SYSTEM
John O. Moorhead, Attleboro, Mass., assignor to Metals and Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application September 29, 1944, Serial No. 556,348
9 Claims. (Cl. 158—117.1)

1. A gas burner pilot system comprising a main burner and a pilot burner means, a diaphragm-controlled regulator valve controlling a supply of gas to the main burner, the gas being fed to one side of the diaphragm of said valve, the pilot burner means including a connection to the opposite side of the diaphragm of said valve, a connecting passage between the opposite sides of the diaphragm, a thermostatically controlled gas valve controlling at least part of the gas supply to the pilot burner means, a thermostatically controlled shut-off valve controlling at least some



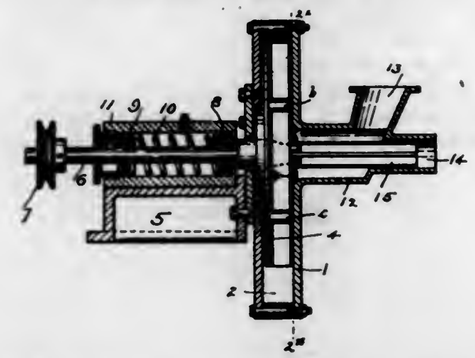
flow of gas supply from the diaphragm valve to the pilot burner means, pilot heater ignition means operatively associated with the pilot burner means, but outside of the pilot flame, an electric heater controlling the thermostatically controlled gas valve, circuit means including demand means arranged to control both of said heaters, and a switch responsive to diaphragm movement of said diaphragm valve adapted to open the circuit only to the pilot heater ignition means independently of the other heater means.

2,408,674
BOBBIN HOLDER
Joseph Noguera, Prestwich, Manchester, England, assignor to Casablancas High Draft Company Limited, Manchester, England, a British company
Application April 9, 1945, Serial No. 587,270
In Great Britain April 3, 1944
5 Claims. (Cl. 242—130)



1. Mechanism of the kind described for suspending bobbins in the creels of spinning or preparing machines, comprising a tubular casing, a catch pivotally mounted in said tubular casing so constructed as to be rotated into either a horizontal or vertical position, a resilient member of elongated U-shape mounted within said tubular casing having arms depending downwardly and embracing between them the catch, a hook carried by one of the arms of said resilient member adapted on upward movement of said member to engage and rotate said catch into either the horizontal or vertical position.

2,408,675
BLOWER FOR HANDLING DESICCATED MATERIAL
Orlo Clair Norton, Erie, Pa.
Application April 30, 1945, Serial No. 591,024
5 Claims. (Cl. 302—37)



1. In a blower, the combination with a casing having a laterally located discharge opening and a combined inlet for air and granular material opening into its center, of a rotary impeller provided with a plurality of channels extending inwardly from its periphery having their open inner ends located opposite said inlet and each closed off from the channels at its inner ends.

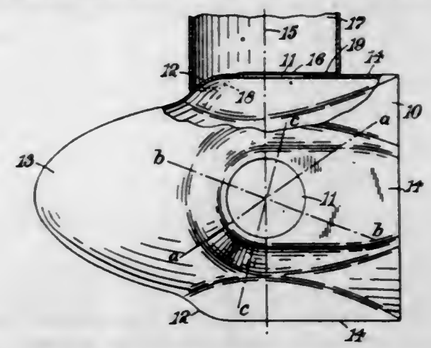
2,408,676
SOAP HOLDING BRUSH
William Novick, Brooklyn, N. Y.
Application October 6, 1944, Serial No. 557,389
1 Claim. (Cl. 15—160)



In a bath brush, a brush body shaped to provide adjacent its opposite ends laterally extending undercuts constituting dovetail seats opening at the opposite sides of said brush body and forming on the upper surface of said body at each end a laterally extending dovetail tongue, a plurality of straps of sufficient length to be grasped by the hands of a user in reciprocating the brush across the back of the user, finger loops at the outer ends of said straps, the inner ends of said straps being widened to correspond with the width of said brush body and being undercut laterally to provide dovetail seats and tongues for complementary attachment to the tongues and undercuts respectively of said brush body, the tongues of the straps and the seats of the body portion being bored to provide registering rectangular openings at the ends of said body and strap members when the same are assembled and a yieldable spring clip secured at each end of said body and having a finger portion for engagement with the bores of said straps and body for releasably attaching the straps to said body.

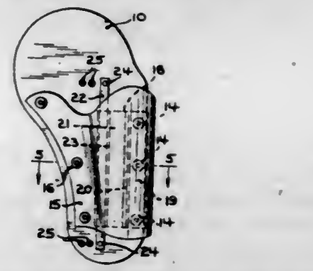
2,408,677
PROPELLER SPINNER
Frank Morgan Owner, Bristol, England, assignor, by mesne assignments, to Rotol Limited, Gloucester, England
Application August 23, 1943, Serial No. 499,674
In Great Britain March 23, 1942
5 Claims. (Cl. 170—159)

1. The combination of a propeller having blades each rotatable about its own longitudinal axis, and a spinner mounted on said propeller having cut-outs through which the blades project, said spinner being shaped to provide on the side of each cut-out adjacent the spinner nose, a portion raised above the general contour line of the spinner, said portion having a surface of revolution formed by the rotation about the longitudinal axis of a blade, of a line inclined



to said axis in the same sense as the spinner line, a flattened portion adjacent each cut-out on the side away from the spinner nose, said flattened portion being normal to the longitudinal axis of the blade and faired into said raised portion, said blades having root portions shaped to overlap said raised portion in a direction axially of the blade.

2,408,678
TOY HOLSTER FOR GUNS
Harry Paley, New York, N. Y.
Application May 4, 1945, Serial No. 591,987
3 Claims. (Cl. 224—2)

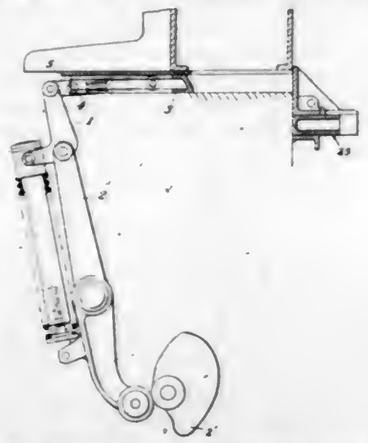


1. A toy holster, comprising a stiff shaped back sheet, and a flexible front sheet extending across the central area of said back sheet and having one side portion curved and bent under and attached to said back sheet and having the other side portion flat against and attached to said back sheet, and a cloth sheet between said flexible front sheet and said back sheet and attached along one side to the back face of said front sheet near said curved portion and having its other side releasably attached on the front face of said back sheet, and means of attaching said releasable side in several positions upon said back sheet.

2,408,679
DOUGH DIVIDING MACHINE
Austin Richard Palmer, Peterborough, England, assignor to Baker Perkins Limited, Peterborough, England
Application June 12, 1944, Serial No. 539,924
In Great Britain May 19, 1943
4 Claims. (Cl. 107—15)

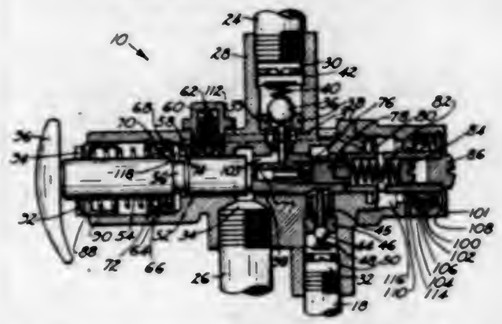
1. A dough dividing machine comprising a measuring compartment, reciprocating ram means feeding dough into said compartment, a pivotally mounted lever, a coupling rod connected to said ram, means comprising a lost motion

transmission connecting the coupling rod and said lever, said transmission incorporating a



spring buffer device, and a rotary cam for oscillating said lever through yielding means.

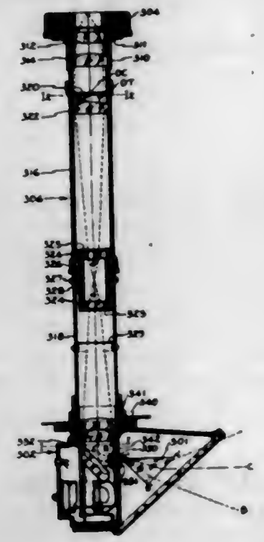
2,408,680
CHARGER VALVE
George W. Pontius, III, South Bend, Ind.
Application November 6, 1941, Serial No. 417,982
9 Claims. (Cl. 277—7)



1. A remote control valve comprising a casing having an inlet from a source of fluid under pressure and having operating and exhaust outlets, a member movable to connect either the inlet or the exhaust outlet to the operating outlet, a spring urging the member to the position connecting the exhaust outlet to the operating outlet to close the valve, holding means for releasably holding the member in the open position connecting the inlet to the operating outlet, means for automatically overcoming said holding means to permit the valve to close upon increase of the pressure of the fluid within the casing above a predetermined pressure, closed means connected to the outlet to cause such increase of pressure, and means located in the inlet and controlled by the movement of the said member to prevent the entrance of fluid from the source of fluid power to the valve.

2,408,681
GUN TURRET SIGHTING COMPENSATION SYSTEM
George W. Pontius, III, Arthur P. Wilson, and Frank V. Kuzmitz, South Bend, Ind.
Application April 9, 1942, Serial No. 438,236
13 Claims. (Cl. 33—49)

1. In a sighting mechanism for guns movable in azimuth and zenith, a sighting means synchronized with the movement of the guns, a first electric meter positioned near said sighting means and moving a vertical cross hair laterally in said sighting means, and a second electric meter positioned near said sighting means and moving a horizontal cross hair laterally in said sighting means, a first balanced square bridge including the first said meter in one leg thereof, a second balanced square bridge including the said second meter in one leg thereof, a source of positive voltage, a source of zero voltage, and a source of negative voltage, a conductor connecting the source of zero voltage to one corner of both of said bridges, an electric cam mechanism connected to the positive and negative and zero voltages and to the first bridge at the opposite corner from the zero voltage connection of said first



bridge, said cam adapted to pass measured amounts of positive or negative voltage to said bridge dependent upon the position of the guns in azimuth and zenith to actuate said vertical cross hair to correct for lateral ballistics deflection, and a second electrical cam mechanism connected to said positive, negative and zero voltages and to the corner of the second bridge opposite to the zero voltage connection and adapted to pass measured amounts of negative voltage to said second bridge dependent upon the position of the guns in azimuth and zenith to actuate said horizontal cross hair to correct for vertical ballistics deflection.

2,408,682
ADHERING OF POLYVINYL ALCOHOL COMPOSITIONS TO OTHER MATERIALS
Charles Arthur Porter, Nutley, N. J., assignor to Resistoflex Corporation, Belleville, N. J., a corporation of New York
No Drawing. Application December 28, 1944, Serial No. 570,222
12 Claims. (Cl. 154—139)

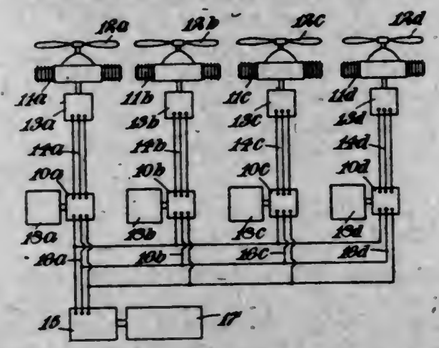
1. The method of making a composite product comprising polyvinyl alcohol composition and fibrous material in adhering relationship which comprises the steps of treating the fibrous material with a linear ethylene amine having the formula

$$H_2N(—CH_2.CH_2.NH)_n—H$$

in which n is a whole number of 4 or less, and thereafter applying the polyvinyl alcohol composition to the thus treated fibrous material.

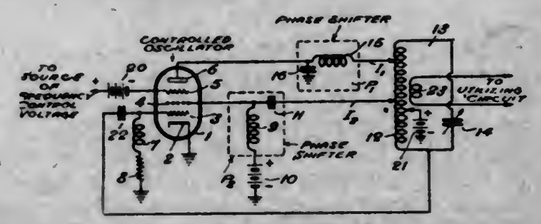
8. A composite product comprising a layer of fibrous material containing triethylene tetramine, and a layer of polyvinyl alcohol composition, said layers being adhered together.

2,408,683
SPEED-CONTROL AND SYNCHRONIZING DEVICE
Peter Ralph Price, Bristol, England, assignor, by mesne assignments, to Rotol Limited, Gloucester, England
Application July 8, 1943, Serial No. 493,921
In Great Britain February 19, 1942
6 Claims. (Cl. 170—135.6)



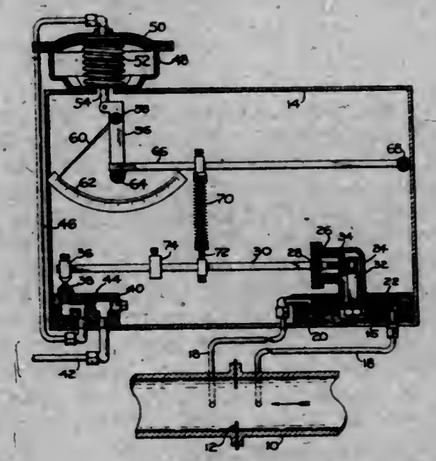
6. In an airplane having a plurality of engine driven propellers in which the propeller blades are adjustable for pitch changes, and pitch change motors severally associated with said plurality of propellers, a speed control and synchronizing device for said engines comprising a reference speed unit common to all said engines, a differential unit associated with each engine, one member of said differential unit driven by its associated engine and the other member driven by the reference speed unit whereby normal constant speed difference is maintained between the members, a flyweight governor driven by each differential unit and connected with the pitch change motor of the associated propeller, said governor controlling pitch change motor to maintain associated engine in synchronism with other engines, and means for adjusting datum speed of reference speed unit whereby speed of all engines is simultaneously varied and speeds are maintained in synchronism during variation.

2,408,684
FREQUENCY-VARIABLE OSCILLATOR CIRCUIT
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 4, 1943, Serial No. 474,646
1 Claim. (Cl. 250—36)



In an oscillator circuit comprising an electron discharge tube having at least a cathode, an anode and at least three successive grids in the space current flowing from the cathode to the anode, a coil and condenser connected in parallel to provide a tank circuit tuned to a predetermined oscillatory frequency, a source of direct current voltage, means connecting a predetermined intermediate point on said coil to a positive potential point of said source, a high frequency connection from the first grid adjacent said cathode to one end of said coil, a direct current connection from the anode to a point on the coil which is located on the opposite side of said predetermined intermediate point, a connection from the second grid to a point on the coil on the same side of said intermediate point as the anode point, respective phase shifters in said anode and second grid connections for providing phase shifts of opposite senses in the anode and second grid currents flowing through the connections, said connections to said coil being chosen to produce equal voltages in said tank circuit from said phase shifted currents, means for applying a negative biasing voltage to the third grid adjacent the anode, and means for varying the voltage of the third grid to vary the frequency of the tank circuit but without amplitude variation.

2,408,685
PRESSURE RESPONSIVE MEASURING INSTRUMENT
Albert J. Rosenberger, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Continuation of application Serial No. 356,601, September 13, 1940. This application May 31, 1943, Serial No. 489,130
6 Claims. (Cl. 73—407)

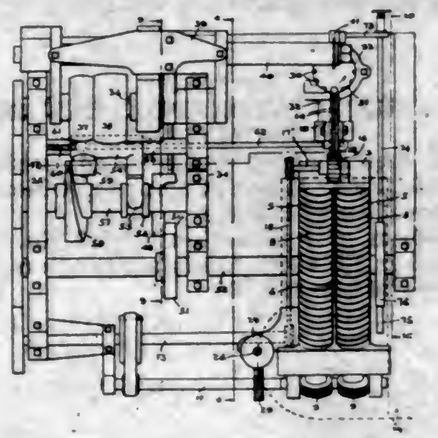


1. A sensitive instrument comprising a pivoted beam, means responsive to a condition to be measured for creating a force acting on the beam to swing it in one direction, a pressure control device operated by movement of the beam for producing a pressure variable with movement of the beam, power means operated by the pressure and movable in response to variations therein, a pivoted lever lying substantially parallel to the beam, a spring connecting the beam and lever, a pivoted arm lying substantially at right angles to the beam and lever and connected to the power means to be moved thereby, and a roller carried by the free end of the arm and slidably engaging the lever adjacent its free end to move the lever an amount substantially proportional to the square of the movement of the arm.

2,408,686
MACHINE FOR SLOTTING SCREWS
John A. Rush, Milton, Ontario, Canada, assignor to P. L. Robertson Mfg. Co., Limited, Milton, Ontario, Canada
Application December 26, 1944, Serial No. 569,887
12 Claims. (Cl. 10—5)

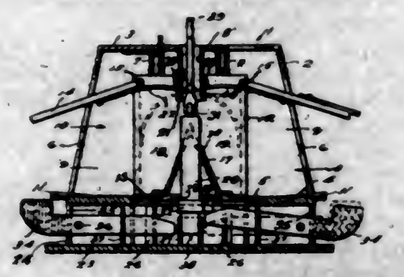
12. A screw slotting machine comprising a frame, a drive shaft journalled longitudinally in said frame, a saw shaft frame pivotally mounted axially of said drive shaft, a saw journalled longitudinally in said pivotal frame, a hopper mounted transversely of said frame, a pair of

parallel spaced-apart inclined spirally grooved cylindrical members journalled transversely of said frame beneath said hopper, a downwardly inclined slotted guide extending from the upper delivery end of said pair of spirally grooved cylindrical members, a rotatable blank-holding member arranged at the lower end of said inclined guide, a saw on said saw shaft arranged above said slotted rotatable member, means for locking screw blanks in said rotatable member, a cam shaft journalled longitudinally of the main frame having a cam thereon, means operated by said cam for operating said locking means, a



saw frame operating cam mounted on said cam shaft, means operated by the latter cam for lowering and raising said saw frame, ratchet means for rotating said slotted rotatable member, a guide arranged longitudinally of said main frame, a member slidable on said guide operatively connected with said ratchet means, a cam shaft journalled longitudinally of said frame, a cam on said cam shaft adapted to operate said ratchet-operating slidable member, and means for rotating said inclined rotatable spirally grooved members in opposite directions to feed screw blanks upwardly from said hopper to said inclined guide.

2,408,687
GAME APPARATUS
Emilio B. Sanchez, Miami, Fla.
Application April 20, 1945, Serial No. 589,300
4 Claims. (Cl. 273—138)



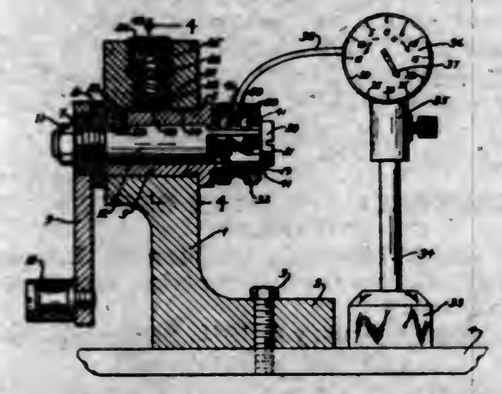
4. Apparatus for playing games comprising a base structure, operating levers extending into said structure and grouped around the center thereof, a housing surmounting the base structure and having a pair of vestibules at opposite sides thereof, and a pair of coin chutes in the top thereof, a vertically movable box in said housing between said vestibules divided into a pair of open-top compartments vertically aligned with said chutes, respectively, and provided with normally locked doors opening into said vestibules under vertical movement of said box, and means operative by said operating levers for moving said box vertically, and a key for rotating said post detachably therefrom.

2,408,688
SAFETY POCKET LOCK
Leopold Schenthal, New York, N. Y., assignor of one-third to Eugene Roth, Elmsford, and one-third to Nathan Jarvis, New York, N. Y.
Application August 11, 1944, Serial No. 548,969
2 Claims. (Cl. 2—251)



1. In a pair of trousers or the like having a back pocket and a side pocket adjacent thereto, a "zipper" closure including a slide provided on said back pocket, a snap button, one-half of said snap button being secured in said side pocket, a chain having one end secured to said slide and the other end to the other half of said snap button.

2,408,689
CONCENTRICITY GAUGE SPECIMEN HOLDER
John J. Seme, Maple Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application May 8, 1944, Serial No. 534,664
5 Claims. (Cl. 279—1)

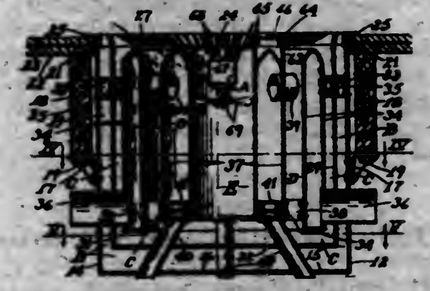


1. In a device for releasably retaining and rotating an inner ball bearing race so as to have its outer raceway in engagement with a metering gauge for measuring the concentricity of the raceway, a casing, a rotatable shaft and a bushing mounted thereon, an adjustable spring operated brake carried by the casing to bear against said bushing to normally hold it against rotation, a driving connection between said bushing and said shaft permitting a predetermined limited degree of lost motion therebetween, said bushing being adapted to slidably receive said ball race and having a ball containing cage, cam means on said shaft in engagement with said balls adapted upon manual rotation of said shaft to force said balls radially outwardly into gripping relationship with the interior surface of said ball race and rotate the same, and, upon release of manual rotation, to automatically permit retraction of said balls inwardly out of engagement with the ball race to permit its ready removal from said bushing.

2,408,690
POLYMERIZATION OF VINYL AROMATIC COMPOUNDS
Raymond B. Seymour, Dayton, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application April 8, 1943, Serial No. 482,310
4 Claims. (Cl. 260—93)

1. The process of polymerizing a polymerizable vinyl aromatic compound, which comprises dissolving in said vinyl aromatic compound prior to complete polymerization a minor amount of sodium oleyl sulfate and oleyl alcohol and then polymerizing said solution in a mold to form a solid polymer.

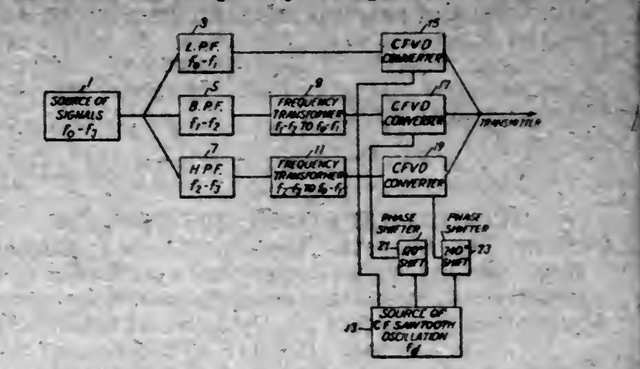
2,408,691
FORCED DRAFT FLOOR HEATER
Walter M. Shaw, Arkansas City, Kans.
Application October 29, 1942, Serial No. 463,769
4 Claims. (Cl. 126—110)



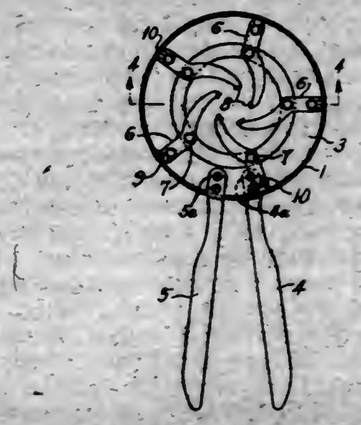
1. A force draft floor heater comprising inner and outer casings having open upper ends, said casings having their side and bottom walls spaced apart, the bottom wall of the outer casing having an opening therein, inner and outer hollow annular drums within the inner casing, the inner drum defining a central air passage, said drums being spaced from each other to provide an annular space therebetween, said drums being spaced above the bottom wall of the inner casing, pipes connecting the spaces within the drums at the upper ends thereof with each other, vents leading from the outer drum, means for supplying fresh air to the lower end of the inner drum, burner means in the space within the inner drum, a power fan in the upper end of said air passage to force air downwardly and beneath the lower ends of the drums and thence upwardly through the annular space therebetween, a grill covering the open upper ends of the respective casings including vanes having their longitudinal axes lying substantially in a plane of the grill, the faces of the vanes being inclined upwardly and outwardly to direct air from the inner casing across the space between the upper open ends of the casings.

2,408,692
SIGNALING SYSTEM
Henry Shore, Jackson Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1942, Serial No. 440,893
14 Claims. (Cl. 250—6)

1. The method of signaling which comprises the steps of producing electrical signals having frequency components lying between two predetermined limits of frequency, separating the frequency components into a plurality of bands of frequency contiguous with each other, shifting all but one of the bands of frequency to occupy the same frequency range as the frequency range of the unshifted band of frequencies, converting each band of frequency components into constant-frequency variable-duration pulses and cyclically and sequentially transmitting pulses of each of the plurality of bands.



2,408,693
NIPPLE APPLYING IMPLEMENT
Melvin H. Sidebotham, Newton, Mass., assignor of one-half to Harlow M. Russell, Chelsea, Mass.
Application September 16, 1943, Serial No. 502,575
2 Claims. (Cl. 81—5.1)



1. An implement for applying expansible nipples to nursing bottles, comprising a base ring having an annular recess, an annular operating ring rotatably positioned in said annular recess, a handle secured to and extending radially outward from the base ring, a second handle secured to and extending radially outward from the operating ring and lying in close proximity to the handle on the base ring, a plurality of expansion arms spaced equidistant about the base ring, pivot pins fixed in the base ring intermediate the ends of the expansion arms for pivotally supporting each expansion arm, a prong at the inner extremity of each expansion arm extending upward at right angles to the main portion of the said expansion arms, and pins secured to the operating ring and engaging the expansion arms for actuating the outer end of each expansion arm.

2,408,694
METHOD OF PREPARING ACYL GUANIDINES
John Kenson Simons, Toledo, Ohio, and Welcome I. Weaver, Pittsburgh, Pa., assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio
No Drawing. Application May 29, 1942, Serial No. 445,991
1 Claim. (Cl. 260—564)

A method of preparing acyl guanidines that comprises reacting guanidine carbonate with an

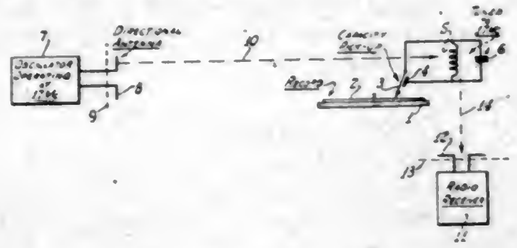
alkali metal in an anhydrous solvent selected from the class consisting of ethyl alcohol and p-dioxane, concentrating the resulting solution of guanidine, and reacting with an ester of an acid selected from the class consisting of alkyl, aryl and mixed alkyl and aryl carboxylic acids, to introduce into the guanidine molecule the acyl radical of said acid.

2,408,695

RECORD REPRODUCING SYSTEM

Chester M. Sinnett, Westmont, and Herbert Belar, Palmyra, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application November 25, 1942, Serial No. 466,878
14 Claims. (Cl. 179—100.4)



1. In combination, a sound wave record, an electrical pickup device associated therewith to translate the recorded sound waves into variations in reactance, a resonant network electrically connected with said pickup device and adapted to have its frequency varied by said reactance variations, means for producing high frequency wave energy, said means being spaced from said resonant network, said resonant network being normally tuned to the frequency of said high frequency wave energy, said high frequency wave energy being radiated to said resonant network in the form of a beam whereby the high frequency energy at said network is modulated in accordance with the recorded sound waves, said resonant network having a sufficiently high "Q" to provide re-radiation therefrom, and a receiver spaced from said resonant network and being free of normal coupling thereto and being adapted to receive therefrom reradiated modulated high frequency wave energy.

2,408,696

TREATMENT OF CARBON BLACK

Hugh M. Smallwood, Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 13, 1940, Serial No. 345,429
8 Claims. (Cl. 106—307)

1. A process which comprises treating finely divided hydrogen-containing carbon black with gaseous halogen for a time and at a temperature sufficient to leave more than about 1% hydrogen halide adsorbed on the black.

2,408,697

GARMENT HANGER ATTACHMENT

Michael F. Smith, Los Angeles, Calif.

Application July 23, 1945, Serial No. 606,579
6 Claims. (Cl. 223—93)

1. A garment hanger attachment of the kind described comprising a resilient wire frame consisting of two approximately parallel basal runs, said runs at one end each being continued as an upward vertical run which in turn is continued by a forward approximately horizontal upper run at each side of the attachment, the latter runs also being approximately parallel to said lower or basal runs, said upper runs being slightly dipped downwardly throughout their front portions, their forward ends being united by a transverse front wire run, a link linking together the rear portions of the latter runs, each of said basal or lower runs of the wire frame having its front end portion directed steeply downwardly and terminating in an eye, a pin bridging the space between said



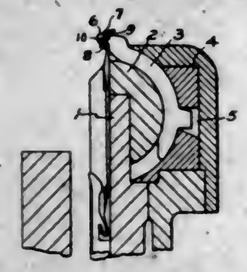
eyes, and a triangularly shaped dog having one of its corner portions pivotally related to said pin whereby said dog is adjustable to bring one of its faces into an abutting relation to a hanger bar to which the attachment is applicable, allowing when so adjusted an upward tilting of said upper wire runs in relation to the hanger bar and when adjusted with another of its faces abutting said hanger bar draws said upper wire runs downwardly yieldingly against the upper surface of the hanger bar.

2,408,698

KNITTING MACHINE AND METHOD OF KNITTING

Norman H. Smith, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application October 21, 1944, Serial No. 559,775
4 Claims. (Cl. 66—14)



1. A method of knitting upon a knitting machine having opposed, axially aligned, cylinders independently operated needles and sinkers each movable in an arcuate path relative to the cylinders and having a back shaped to an arc concentric with said path which includes the steps of drawing loops over backs of sinkers behind the nibs and through the corresponding needle loops of a previous course casting off the needle loops of the previous course by the sinkers acting upon the adjacent sinker loops only and transferring the newly drawn loops from the backs to the throats of the sinkers over their nibs.

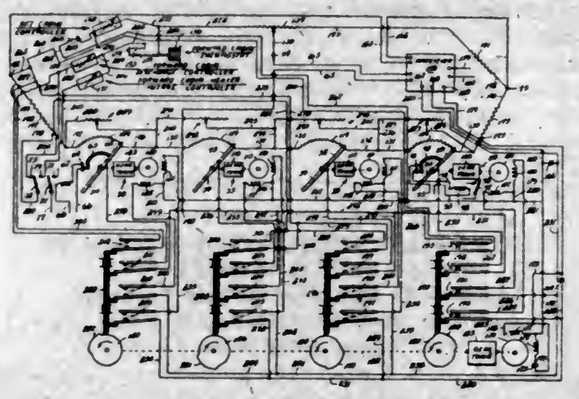
2,408,699

AIRCRAFT TEMPERATURE CONTROL

Hubert T. Sparrow, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 30, 1942, Serial No. 467,385
12 Claims. (Cl. 172—239)

12. In a normally balanced system of the follow up type, a main controller, a plurality of follow up controllers connected together and all of which jointly have a follow up range corresponding to the range of said controller, a plurality of devices to be positioned, each of which is operative to operate a different one of said follow up controllers, and means associated with said devices and responsive to the unbalance between said main controller and said plurality of follow up controllers for positioning any one of said



devices as long as said system can be balanced by operation of the follow up controller associated with that device, and means to prevent said last named means from causing positioning of any one device while the system is unbalanced until the preceding follow up controller has been operated to the extreme limit of its follow up range.

2,408,700

SYNTHETIC WAX COMPOSITION

Murray M. Sprung, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application July 16, 1943, Serial No. 495,045
11 Claims. (Cl. 106—287)

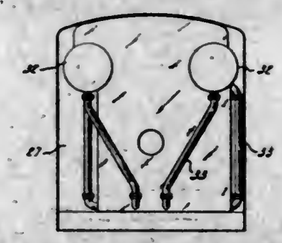
1. The wax-like heat-reaction product of substantially stoichiometrical proportions of an aliphatic polyamine and a halogenated aromatic compound selected from the class consisting of nuclearly halogenated aromatic monocarboxylic and ortho-dicarboxylic acids and acid halides.

2,408,701

STEAM MOTIVE POWER

Charles J. Surdy, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application May 31, 1944, Serial No. 538,165
3 Claims. (Cl. 105—36)



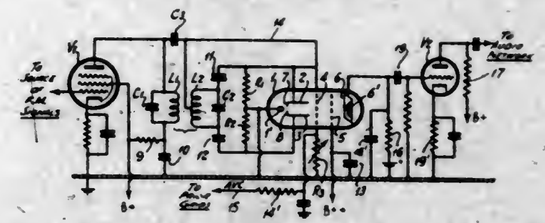
1. A railroad motive power unit comprising a steam generating plant, the upper portion of said steam generating plant being disposed within the outer confines of the unit and extending substantially the width thereof, the lower portion thereof being indented along one side providing a passageway between said indented side and the side of the said unit and beneath the upper portion of said steam generating plant, turbo-electric generating means forward thereof operable by steam from said plant, said turbo-electric generating means being disposed in said unit to provide a passageway along one side thereof, a control cab forward of said turbo-electric generating means, a fireman's space at the rear of said steam generating plant, and fuel and water compartments at the rear of said fireman's space, said fuel and water compartments being offset to one side of said unit to provide a passageway, said passageways being in communication and extending from said control cab rearwardly through the end of said unit.

2,408,702

ANGLE MODULATED WAVE DETECTOR

George Clifford Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 20, 1944, Serial No. 536,457
10 Claims. (Cl. 250—27)



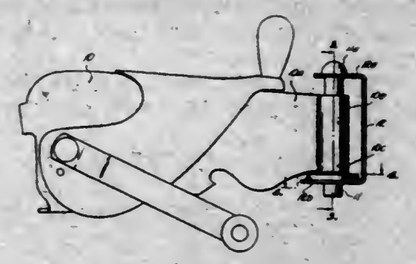
1. In combination with a beam tube of the type having an output electrode provided with a secondary emission area of predetermined non-uniform configuration, means, adapted to be responsive to phase displacements of a pair of alternating current voltages from a predetermined normal phase relation, for sweeping the electron beam of said tube over said area thereby to vary the potential of said output electrode and means responsive to amplitude variations of said voltages for automatically controlling the intensity of said beam.

2,408,703

WALL BRACKET FOR KITCHEN UTENSILS

Henry J. Talge and William J. Landry, Kansas City, Mo., assignors to John C. Hockery, Foster L. Talge, and Henry J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo.

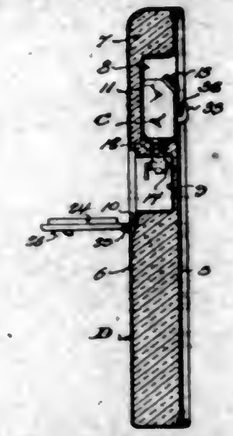
Application November 30, 1945, Serial No. 631,874
2 Claims. (Cl. 248—282)



1. A pivotal support for a kitchen utensil, comprising a bracket adapted to be secured to the wall, said bracket having a pair of vertically spaced horizontal ears extending forward from the wall, a hinge pin carried by said ears so its shank extends vertically from one ear to the other, the lower ear having, around said pin, a shallow well with a noncircular top opening, a sleeve encircling said pin and having at its lower end a noncircular exterior periphery adapted to register with the top opening of said well when said sleeve occupies a particular rotary position, whereby said sleeve is movable axially of said pin in or out of said well when it is in said particular rotary position and is rotatable to other

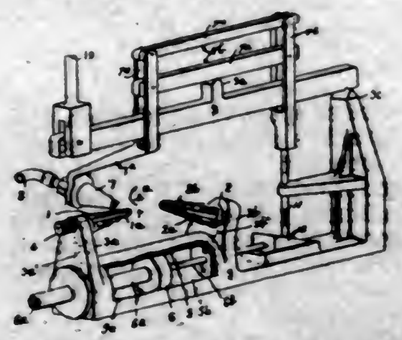
positions only when it is out of said well, and an elongated device rigidly secured at one end to said sleeve so said device is normal to the wall when said lower end of said sleeve is in said well.

2,408,704
LIQUID COOLER FOR REFRIGERATORS
George R. Taylor, Kenosha, Wis.
Application May 4, 1944, Serial No. 534,172
1 Claim. (Cl. 62—89)



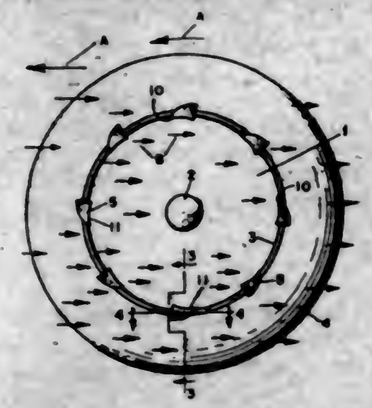
A refrigerator wall or door having an upper inwardly directed pocket formed in its inner face and a lower inwardly directed pocket formed in its outer face, said pockets being connected at spaced points by openings, removable liquid dispensing jars fitted in said upper pocket having necks extending into said openings, sealing gaskets fitted in said openings and surrounding said necks, detachable valves disposed in the lower pocket connected with said necks, a closure for completely sealing the lower pocket and hiding said valves from view, when said closure is in its closed position, and means for holding the closure at right angles to the outer face of said door when in its fully open position to provide a serving tray.

2,408,705
MECHANICAL RELAY OF THE FLUID JET TYPE
Keith Watson Todd, Warrington, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application December 31, 1943, Serial No. 516,595.
In Great Britain May 28, 1940, and September 6, 1940
3 Claims. (Cl. 121—41)



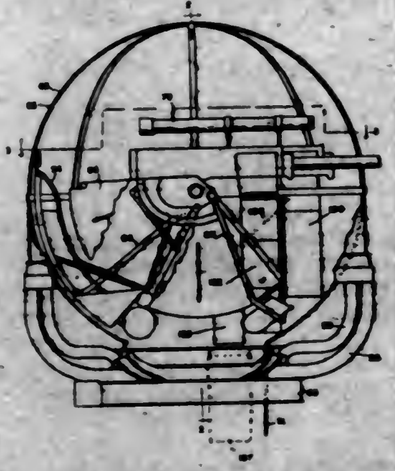
1. A fluid-jet relay comprising a transmitting nozzle adapted to be supplied with pressure fluid, an orifice for receiving the fluid jet from the transmitting nozzle, a controlling nozzle for directing pressure fluid transversely of the jet from the transmitting nozzle, means responsively operable to a control influence for varying the inclination of incidence of the transverse jet with the jet from the transmitting nozzle, means responsive to pressure fluid received by the receiving orifice for rendering available an influence representative of said control influence, said transmitting nozzle and receiving nozzle being arranged with the axis of the transmitting nozzle passing through the area of the receiving nozzle and inclined to the axis of the receiving orifice so as to subtend therewith an angle of at least five degrees from coaxial alignment.

2,408,706
ROTATING MEANS FOR AIRPLANE LANDING WHEELS
Henry Travis, Ocean Beach, Calif.
Application May 16, 1945, Serial No. 594,111
1 Claim. (Cl. 244—103)



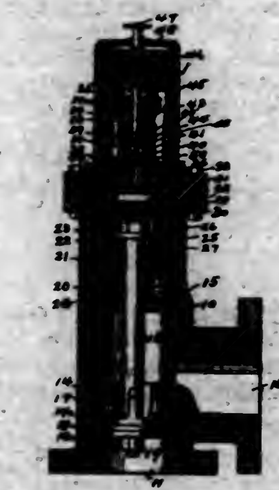
In combination with a landing wheel for aircraft, a plurality of cup-shaped downwardly curved, streamlined vanes having pointed tails, having one edge welded to the wheel adjacent to the rim and the other edge welded to the rim adjacent the first weld, said vanes arranged in spaced circumferential relationship to rotate the wheel by contact of the vanes with the air body prior to landing.

2,408,707
GUN MOUNTING AND CONTROL MECHANISM
Preston T. Tucker, Detroit, Mich., and Willis G. Stewart and James H. Tanner, New York, N. Y., assignors to Tucker Aircraft Corporation, Detroit, Mich., a corporation of Michigan
Application August 16, 1941, Serial No. 407,108
17 Claims. (Cl. 89—37.5)



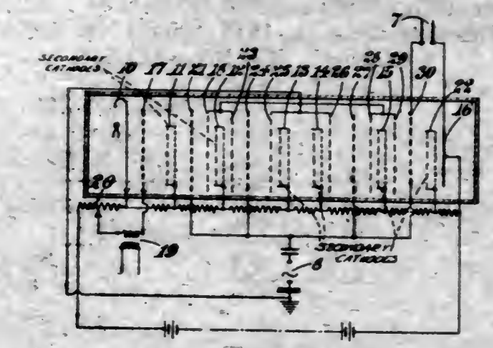
10. In a gun mount, in combination with a fixed support, a frame rotatable therein about a generally vertical axis, a gun-support journaled in the frame for elevational rotation about a generally horizontal axis and also rotatable with the frame in traverse about said vertical axis, means for rotating the gun support in each direction about said horizontal axis, means for reversing the direction of rotation of each of said rotatable means, stop means for interrupting rotation of said frame in either direction in which it is being driven without interfering with operation of said reversing means, said stop means including an electric switch and operating means therefor having one part carried by said frame and another part carried by said fixed support, and means responsive to rotation of said gun support beyond predetermined positions about both axes for actuating said stop means.

2,408,708
HYDRAULIC RELIEF VALVE
Charles E. Tweedle, Great Lakes, Ill., assignor, by direct and mesne assignments, to Theodore Placette, Hays County, Tex.
Application November 22, 1943, Serial No. 511,301
2 Claims. (Cl. 137—53)



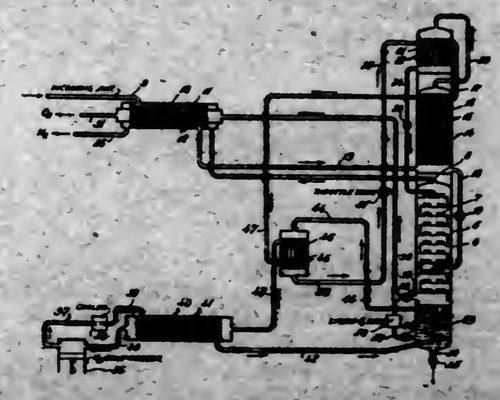
2. A pilot control valve assembly for a main pressure relief valve having a plate form valve head provided with a pair of adjacent fluid passage apertures, said assembly comprising; a hollow generally cylindrical pilot valve housing having an external flange at each end and an internal flange at one end, the external flange at said one end adapted to be detachably secured to said valve head with said internal flange adjacent said head and substantially concentric with one of said head apertures; a valve seat of wear resistant material within said housing resting on said internal flange and having an aperture coaxial with said one of the head apertures; a hollow sleeve provided with an internal shoulder, said sleeve being inserted in said housing and bearing at one end against said valve seat and provided at its opposite end with an external flange detachably secured to the corresponding external flange on said housing; a fluid passage in said sleeve and said housing leading from the space within said sleeve at the side of said seat remote from said internal flange to the other fluid passage aperture in said valve head; a valve plunger slidable in said sleeve provided at one end with an aperture closing portion cooperating with said seat, at its opposite end with a weight table and intermediate its length with an annular flange cooperating with said internal shoulder in said sleeve to limit movement of said plunger relative to said sleeve; removable weights on said weight table; and a cover for said pilot control valve adapted to be independently detachably secured to said valve head.

2,408,709
ELECTRON MULTIPLIER
Francois Joseph Gerard van den Bosch, Surrey, England, assignor to Radio Electronics Limited
Application August 10, 1942, Serial No. 454,214
In Great Britain August 5, 1940
6 Claims. (Cl. 250—27)



1. An electron multiplier apparatus comprising a primary cathode, an anode, a number of pairs of velocity-controlling electrodes and at least one secondary cathode disposed between the primary cathode and anode, means for applying direct current potentials of ascending order to said primary cathode, secondary cathode and anode, means for applying an alternating field between the electrodes of each pair of velocity-controlling electrodes, the distance apart between electrodes of successive pairs of velocity-controlling electrodes being selected in accordance with the phase relationship of their potentials so that the transit time of an electron is such that it passes through a succeeding field at approximately the same stage in the cycle as that when it passed through the preceding field.

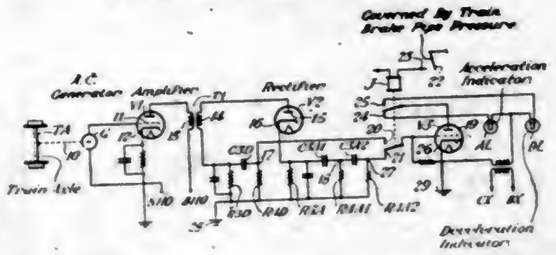
2,408,710
PROCESS FOR SEPARATING THE CONSTITUENTS OF AIR
Claude C. Van Nuys, Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 17, 1943, Serial No. 514,593
8 Claims. (Cl. 62—175.5)



1. The method of separating the constituents of atmosphere air in a liquefaction apparatus by liquefaction and rectification which comprises compressing nitrogen to a relatively high pressure, liquefying the nitrogen, compressing the air to a pressure not materially in excess of that required

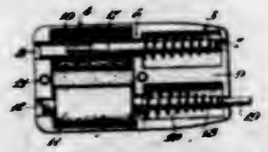
to overcome the resistance to travel of the air through the apparatus without abrupt change in pressure, subjecting the air to indirect heat exchange with the liquid nitrogen to separate liquid fractions enriched respectively in oxygen and nitrogen, and rectifying the two fractions to recover substantially pure liquid oxygen.

2,408,711
APPARATUS TO DETECT CHANGE OF VOLTAGE
Carl Volz, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 15, 1945, Serial No. 599,677
5 Claims. (Cl. 177—311.5)



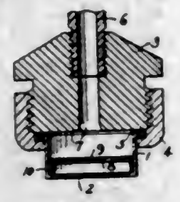
1. In combination, a source of alternating voltage operatively associated with an operating element to supply a voltage which varies according to a given variable condition of the operating element, an electro-responsive indicating means, ionization means, means to energize said indicating means by conduction current of the ionization means but said ionization means normally deionized; a circuit network including a rectifier, capacitors and resistors connected to said voltage source to charge and discharge said capacitors in step with increases and decreases of the voltage of said source to create corresponding direct voltages across said resistors by the charging and discharging currents; and said circuit network connected to control elements of said ionization means to effect ionization and a resultant conduction current by said direct voltage due either to a predetermined rate of increase or a predetermined rate of decrease in the voltage of said source.

2,408,712
POWER UNIT FOR ELECTRIC CHIMES
Chauncey E. Waltman, Chicago, Ill., assignor to NuTone, Incorporated, New York, N. Y., a corporation of New York
Application August 24, 1943, Serial No. 499,808
9 Claims. (Cl. 175—337)



1. An electro-magnetic power unit for an electrical chime, comprising a moulded plastic casing comprised of separable sections having cavities therein, constituting a recess extending longitudinally of the casing, a coil having a hollow core member seated within said recess, a striker member slidable within said core member, terminal members supported on said casing at a face thereof and being in electrical interconnection with the terminals of said coil, and means for holding said separable sections together to support the coil and striker therewithin.

2,408,713
EXTRUSION DEVICE
Wesley L. Webb, Glen Moore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 5, 1944, Serial No. 521,221
5 Claims. (Cl. 18—8)



1. An extrusion device for simultaneously forming a plurality of filaments comprising a supply duct, a spinneret arranged to receive filament-forming material from the duct and having a plurality of rows of orifices disposed generally throughout an area considerably larger than the cross-section of the duct, and means comprising a rigid member having a plurality of apertures each larger than any one of the spinneret orifices disposed between and being spaced from each of the spinneret and the duct, said apertures facing the orificed area of the spinneret and being disposed over an area substantially co-extensive with that occupied by said plurality of rows of orifices, said member being constructed and arranged to provide for substantially the same rate of flow through each of the several orifices independent of location with respect to the duct whereby the pressure and distribution of the material to the spinneret is controlled.

2,408,714
SAFE SCREEN SUPPORT
John Whalen, Brooklyn, N. Y.
Application September 16, 1944, Serial No. 554,482
3 Claims. (Cl. 160—107)

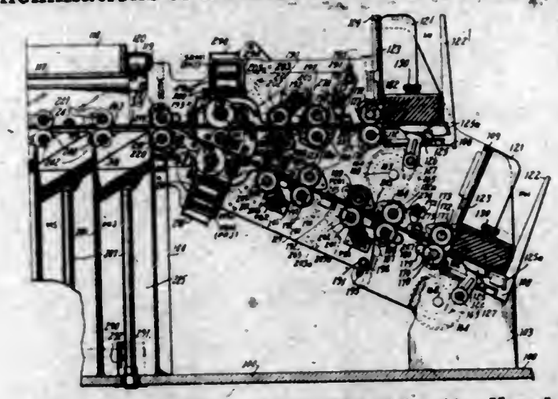


1. The combination with a window screen having relatively slidable frames provided with screen sections, of a C-shaped member adapted to partly enclose an upper side bar of each frame member and provided with a struck-out L-shaped flange adapted to slidably engage the lower edge of a sash under which the window screen is to be positioned.

2,408,715
RECORD CONTROLLED MACHINE
Victor O. Wilkerson, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 14, 1942, Serial No. 465,606
8 Claims. (Cl. 209—110)

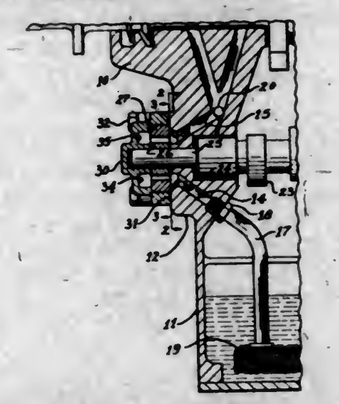
1. In a record assorting machine, sorting means, means to feed one portion of a serially designated set of records and separate means to feed the other portion in step with the first portion, said portions together supposedly comprising a complete single serial sequence having serial number designations, a certain number of the denominations being identically serially designated throughout said set, the remaining denominations comprising two separate sequences, means to sense the designations in both portions, means to count

the records of both portions according to the repeated sequences, comparing means controlled by the sensing means and counting means for comparing the identically designated denominations of a record from one portion with the same denominations of a record from the other portion



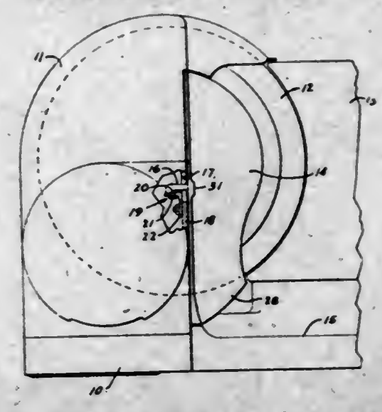
to detect non-identity of the identically designated denominations and to detect non-identity of the remaining denominations of either portion with the counting device, and means controlled by said comparing means for controlling the sorting means to segregate all non-identical records from the identical records.

2,408,716
PUMP CONSTRUCTION
Eugene S. Witchger, Grosse Pointe, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 10, 1942, Serial No. 468,500
5 Claims. (Cl. 103—126)



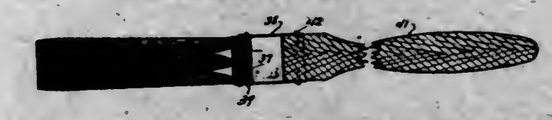
1. The combination in a rotary pumping mechanism of the character described having a change in volume of the working fluid effective through a substantial portion of a pumping cycle; of housing means forming a pumping chamber, a pair of rotary pumping elements in said chamber which cooperate to define hollow cavities between them that expand and contract to produce suction and compression phases during rotation thereof, said housing means having intake and discharge ports located therein adjacent one end of said pumping elements and of inadequate length circularly of said elements to accommodate sufficient working fluid for a complete pumping cycle thereof with relation to the respective pumping cavities adjacent thereto, said housing means being provided with distributing porting therein adjacent the opposite end of said pumping elements, and said distributing porting being of sufficient length circularly of said elements and disposed in accurately timed relation to the cavities in said pumping elements to balance pressures developed in the working fluid through the same portion of the pumping cycle as first mentioned, whereby a continuous efficient discharge is effected during that portion of the pump cycle in which a portion of the pumping cavities communicated with said inadequate intake and discharge ports are compensated for by the change in volume of the working fluid in other pumping cavities communicated therewith only through the distributing porting.

2,408,717
SLICING MACHINE
George R. Wood, Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application April 12, 1943, Serial No. 482,768
2 Claims. (Cl. 146—102)



1. In a slicing machine having a drive housing, a rotatable circular knife, a slice receiver, and a slice deflector, mounting means for said slice deflector comprising a stud projecting from said housing substantially perpendicular to the plane of the knife, and a second stud disposed perpendicularly to said first stud and mounted in a member attached to said housing and adjustable along a line parallel to said first stud and means on said deflector plate for engaging said studs.

2,408,718
HIGH CAPILLARITY BRISTLE
Elmer H. Haux, Baltimore, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 1, 1944, Serial No. 538,277
7 Claims. (Cl. 15—159)

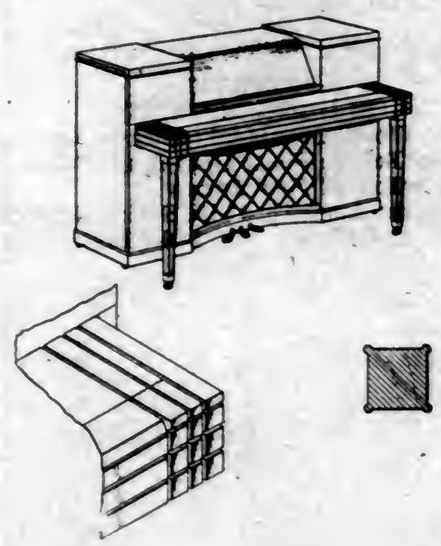


1. A brush comprising tapered synthetic bristles of plastic having surfaces roughened by means of a comminuted fibrous filler embedded in the plastic.

DESIGNS

OCTOBER 1, 1946

145,648
DESIGN FOR A PIANO
Alfons Bach, New York, N. Y.
Application May 23, 1945, Serial No. 119,681
Term of patent 14 years
(Cl. D56—9)



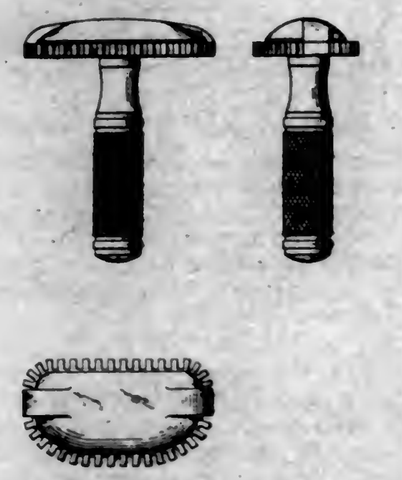
The ornamental design for a piano as shown and described.

145,649
DESIGN FOR A PIANO
Alfons Bach, New York, N. Y.
Application May 23, 1945, Serial No. 119,682
Term of patent 14 years
(Cl. D56—9)



The ornamental design for a piano as shown and described.

145,650
DESIGN FOR A SAFETY RAZOR
Lena M. Baer, Topeka, Kans.
Application December 7, 1945, Serial No. 124,437
Term of patent 14 years
(Cl. D22—3)



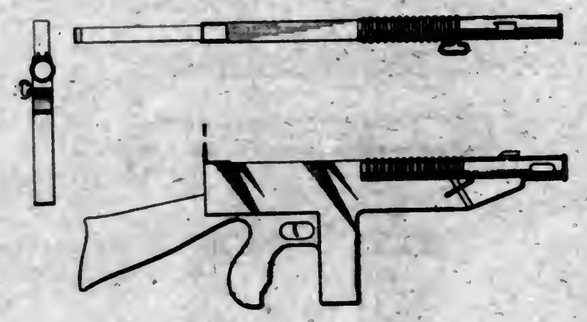
The ornamental design for a safety razor, as shown.

145,651
DESIGN FOR A DRAFTING TABLE BASE
Robert M. Bennett, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 6, 1945, Serial No. 124,431
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a drafting table base, as shown and described.

145,652
DESIGN FOR A TOY GUN
Samuel I. Berger, Newark, N. J.
Application September 24, 1945, Serial No. 122,293
Term of patent 14 years
(Cl. D84—15)



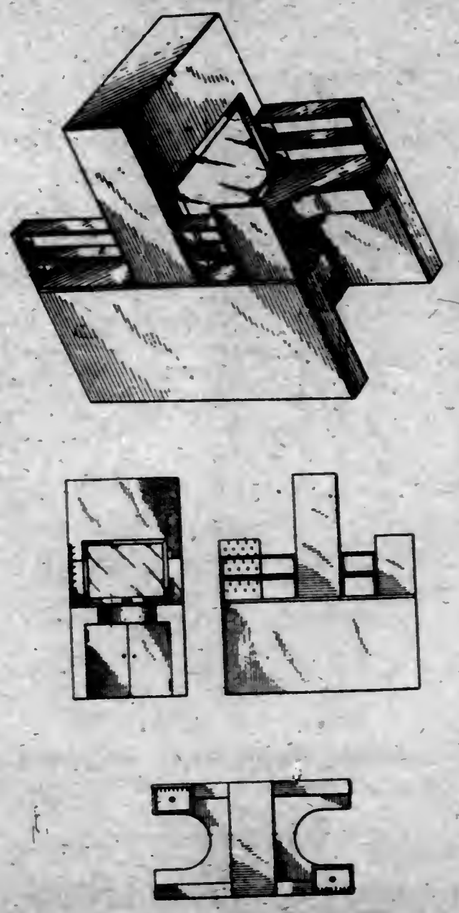
The ornamental design for a toy gun, substantially as shown.

145,653
DESIGN FOR A COMBINED COASTER AND ASH TRAY HOLDER
Leo J. Binder, Spokane, Wash.
Application August 3, 1945, Serial No. 121,192
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a combined coaster and ash tray holder, as shown.

145,654
DESIGN FOR A LABORATORY WORKBENCH
Johan Bjurksten, Chicago, Ill.
Application September 4, 1945, Serial No. 121,836
Term of patent 14 years
(Cl. D32—7)



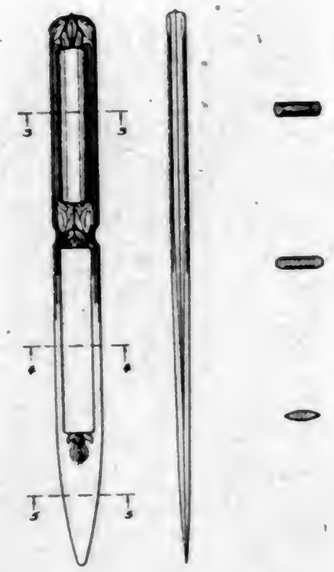
The ornamental design for a laboratory workbench, substantially as shown, and described.

145,655
DESIGN FOR A CHAIR CART
Louis P. Brantz, Philadelphia, Pa.
Application August 5, 1943, Serial No. 110,844
Term of patent 3½ years
(Cl. D14—3)



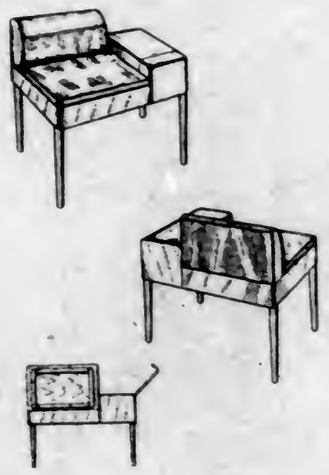
The ornamental design for a chair cart, substantially as shown.

145,656
DESIGN FOR A LETTER OPENER
John J. Calichio, Forest Hills, N. Y.
Application June 29, 1946, Serial No. 131,176
Term of patent 14 years
(Cl. D74—1)



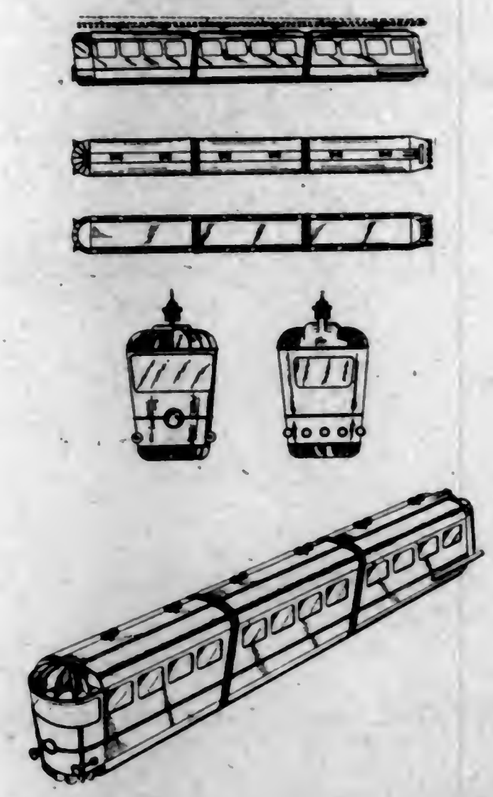
The ornamental design for a letter opener, as shown and described.

145,657
DESIGN FOR A COMBINED SETTEE AND TELEPHONE CABINET
Frank P. Case, Chicago, Ill., assignor of one-half to Henry A. Gosling, Chicago, Ill.
Application August 6, 1945, Serial No. 121,246
Term of patent 7 years
(Cl. D15—11)



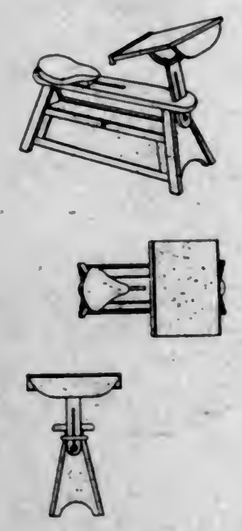
The ornamental design for a combined settee and telephone cabinet, as shown.

145,658
DESIGN FOR AN OVERHEAD MONORAIL TRAIN
Clinton B. Clark, Oak Park, Ill.
Application October 15, 1945, Serial No. 122,843
Term of patent 14 years
(Cl. D66—1)



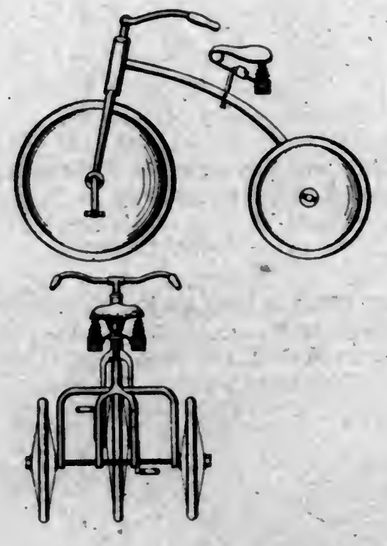
The ornamental design for an overhead monorail train, substantially as shown and described.

145,659
DESIGN FOR A COMBINATION DESK AND SEAT
James D. Covington, Dallas, Tex., assignor to Hilltop Manufacturing Company, Cockrell Hill, Tex.
Application October 15, 1945, Serial No. 122,858
Term of patent 7 years
(Cl. D33—11)



The ornamental design for a combination desk and seat, as shown.

145,660
DESIGN FOR A TRICYCLE
William H. Culler, San Marino, Calif.
Application September 8, 1945, Serial No. 121,931
Term of patent 7 years
(Cl. D34—15)



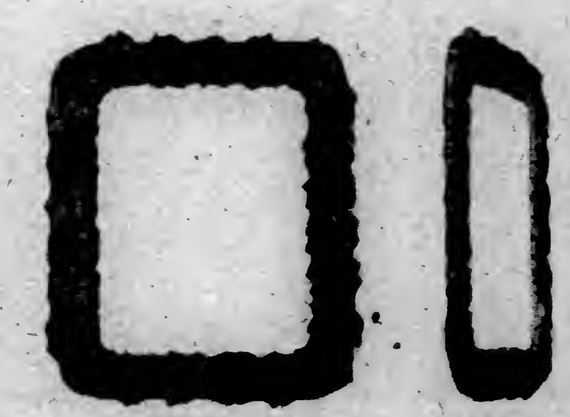
The ornamental design for a tricycle, as shown.

145,661
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application October 29, 1945, Serial No. 123,265
Term of patent 14 years
(Cl. D58—26)



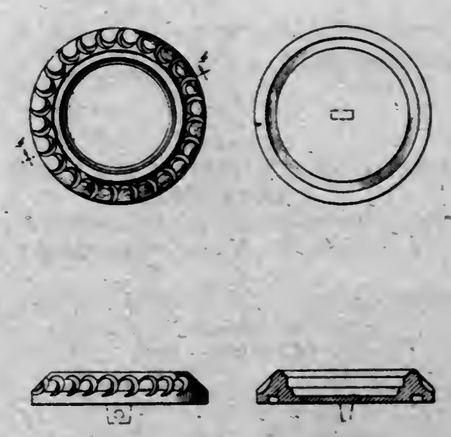
The ornamental design for a container cap, substantially as shown.

145,662
DESIGN FOR A MIRROR FRAME OR THE LIKE
Freda Diamond, New York, N. Y., assignor to Syracuse Ornamental Co., Syracuse, N. Y., a copartnership
Application August 23, 1945, Serial No. 121,585
Term of patent 7 years
(Cl. D29—20)



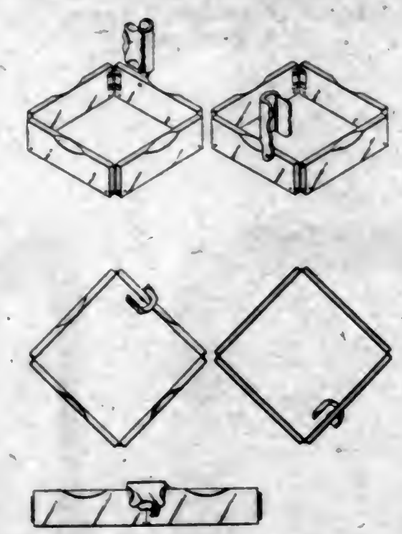
The ornamental design for a mirror frame or the like, substantially as shown.

145,663
DESIGN FOR A RIM BUTTON
Charles H. Frank, New Rochelle, N. Y.
Application June 19, 1946, Serial No. 130,863
Term of patent 7 years
(Cl. D17—2)



The ornamental design for a rim button, as shown.

145,664
DESIGN FOR A HANDBAG FRAME
Charles W. Hardy, New York, N. Y.
Application November 15, 1945, Serial No. 123,758
Term of patent 7 years
(Cl. D83—2)



The ornamental design for a handbag frame, substantially as shown and described.

145,665
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 126,834
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

145,666
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 126,844
Term of patent 7 years
(Cl. D45—19)



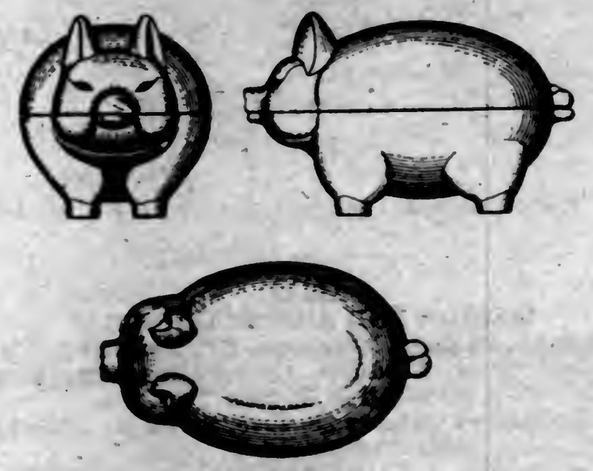
The ornamental design for a brooch or similar article, substantially as shown.

145,667
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 126,845
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

145,668
DESIGN FOR A CIGARETTE CONTAINER
George L. Kearney, Tuckahoe, N. Y.
Application March 29, 1945, Serial No. 118,769
Term of patent 14 years
(Cl. D85—2)

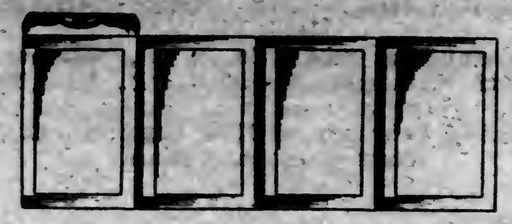


The ornamental design for a cigarette container, substantially as shown.

145,669
DESIGN FOR A FOLDING PICTURE FRAME OR SIMILAR ARTICLE
Ralph Kraus, New York, N. Y.
Application December 22, 1945, Serial No. 124,984
Term of patent 14 years
(Cl. D29—20)



145,669—Continued



The ornamental design for a folding picture frame or similar article, substantially as shown.

145,670
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Hans J. Kroto, Cambridge, Mass.
Application April 12, 1946, Serial No. 128,494
Term of patent 14 years
(Cl. D7—7)



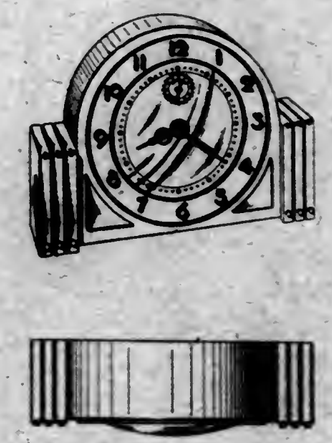
The ornamental design for a shoe or similar article, substantially as shown and described.

145,671
DESIGN FOR A FABRIC
Lena Langer, New York, N. Y., assignor to Kaylon Incorporated, New York, N. Y., a corporation of New York
Application February 28, 1946, Serial No. 126,976
Term of patent 3½ years
(Cl. D92—1)



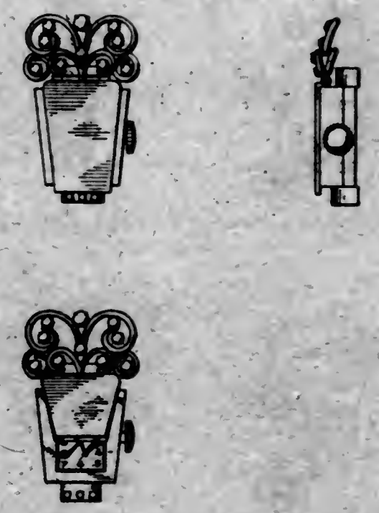
The ornamental design for a fabric, as shown and described.

145,672
DESIGN FOR AN ALARM CLOCK
Frederick Lux, Middlebury, Conn., assignor to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn., a corporation of Connecticut
Application June 6, 1946, Serial No. 130,457
Term of patent 14 years
(Cl. D42—7)



The ornamental design for an alarm clock, as shown.

145,673
DESIGN FOR A WATCHCASE
Marianne Ostler, New York, N. Y.
Application February 26, 1946, Serial No. 126,906
Term of patent 7 years
(Cl. D42—8)



The ornamental design for a watchcase, as shown and described.

145,674
DESIGN FOR A WATCHCASE
Marianne Ostier, New York, N. Y.
Application February 26, 1946, Serial No. 126,907
Term of patent 7 years
(Cl. D42—8)



The ornamental design for a watchcase, as shown and described.

145,675
DESIGN FOR A WATCHCASE
Marianne Ostier, New York, N. Y.
Application February 26, 1946, Serial No. 126,908
Term of patent 7 years
(Cl. D42—8)



The ornamental design for a watchcase, as shown and described.

145,676
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel Inc., New York, N. Y.
Application February 26, 1946, Serial No. 126,924
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

145,677
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Ludwig G. Rohner, New York, N. Y.
Application June 22, 1946, Serial No. 130,947
Term of patent 3½ years
(Cl. D92—26)



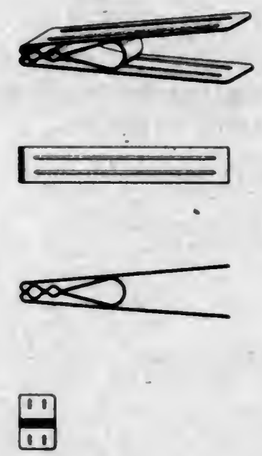
The ornamental design for a tablecloth or similar article, substantially as shown and described.

145,678
DESIGN FOR A CHAIR
Andrew Roth, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 5, 1945, Serial No. 118,866
Term of patent 7 years
(Cl. D15—1)



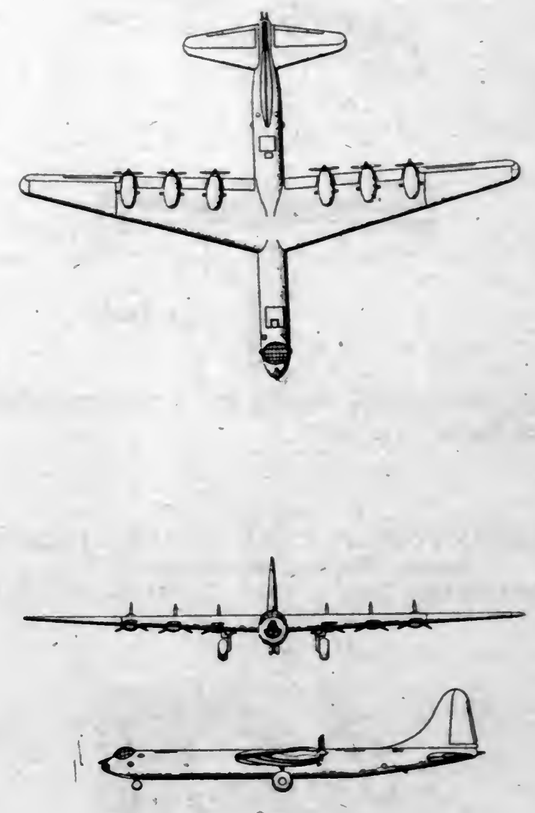
The ornamental design for a chair, as shown and described.

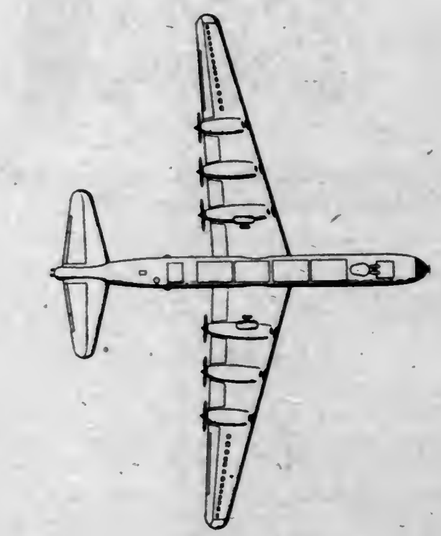
145,679
DESIGN FOR A CLOTHESPIN
Charles E. Seale, Jr., and Leslie W. Stinne, Dallas, Tex.
Application October 30, 1945, Serial No. 123,318
Term of patent 3½ years
(Cl. D17—6)



The ornamental design for a clothespin, as shown.

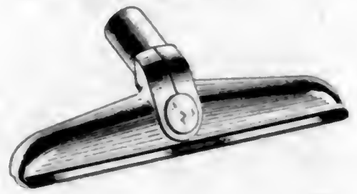
145,680
DESIGN FOR AN AIRPLANE
Raymond C. Sebold, Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application September 17, 1945, Serial No. 122,123
Term of patent 14 years
(Cl. D71—1)

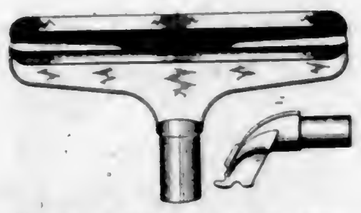




The ornamental design for an airplane, substantially as shown.

145,681
DESIGN FOR A VACUUM CLEANER ATTACHMENT
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Modern Hygiene, Inc., Boston, Mass., a corporation of Massachusetts
Application December 22, 1945, Serial No. 125,010
Term of patent 14 years
(Cl. D9—2)





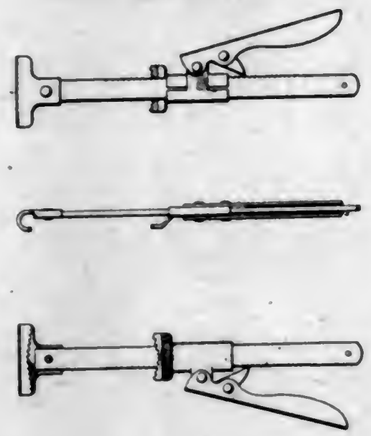
The ornamental design for a vacuum cleaner attachment, as shown.

145,682
DESIGN FOR AN EMBROIDERED FABRIC
Anton Walter, New York, N. Y.
Application July 1, 1946, Serial No. 131,229
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered fabric, substantially as shown.

145,683
DESIGN FOR A JAR TOP WRENCH
George Yates, Glendale, Calif.
Application October 16, 1945, Serial No. 122,865
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a jar top wrench, as shown.

145,684
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Evelyn Ziniti, New York, N. Y.
Application May 10, 1946, Serial No. 129,541
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe or similar article, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Vitamin preparation. Serial No. 493,307; Oct. 1. Class 6.
Abelson, Samuel, doing business under the name Dalason Products Mfg. Co., Chicago, Ill. Electric cigar and cigarette lighter. Serial No. 499,594; Oct. 1. Class 21.
Acromatic Tool Company, Detroit, Mich. High-speed tools. Serial No. 496,592; Oct. 1. Class 23.
Ainsworth, Wm., & Sons, Inc., Denver, Colo. Beam balances, parts and accessories of such balances, balance weights and pocket transits. Serial Nos. 486,021–2; Oct. 1. Class 26.
Aircraft Mechanics Inc., Colorado Springs, Colo. Garden tractors and cultivators. Serial No. 497,832; Oct. 1. Class 23.
Aitchison Manufacturing Company, Albert Lea, Minn. Pliers, screw drivers, drill bits, etc. Serial No. 481,875; Oct. 1. Class 23.
Allen, Paul E., Skokie, Ill. Toy rattles and fabric covered stuffed toys. Serial No. 475,179; Oct. 1. Class 22.
American Brake Shoe Company, New York, N. Y. Frictional elements. Serial No. 503,041; Oct. 1. Class 35.
Anderson, Alfred, doing business as Anderson Chemical Company, Litchfield, Minn. General purpose soapless powdered cleanser. Serial No. 488,560; Oct. 1. Class 4.
Anderson Chemical Company: *See*—
Anderson, Alfred.
Anderson, Ira H., Highland, Ohio. Food knives. Serial No. 485,522; Oct. 1. Class 23.
Anglo-American Leathergoods Co., Inc., New York, N. Y. Wallets and billfolds. Serial No. 503,238; Oct. 1. Class 3.
Arcelay, J. O. Garcia, doing business as Licoreria Garcia, Mayaguez, Puerto Rico. Rum. Serial No. 494,769; Oct. 1. Class 49.
Art-Craft Briar Pipe Co., Brooklyn, N. Y. Smoking pipes. Serial No. 491,620; Oct. 1. Class 8.
Aubry Fabrics Co.: *See*—
Austin, Rupert H.
Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Port wine produced in Portugal. Serial No. 495,857; Oct. 1. Class 47.
Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Sherry wine produced in Spain. Serial No. 496,119; Oct. 1. Class 47.
Austin, Ruppert H., doing business as Aubry Fabrics Co., New York, N. Y. Textile fabrics in the piece. Serial No. 494,591; Oct. 1. Class 42.
Avon Products, Inc., New York, N. Y. Lipstick, rouge, and nail polish. Serial No. 494,773; Oct. 1. Class 6.
Avon Products, Inc., New York, N. Y. Lipstick, rouge, and nail polish. Serial No. 494,778; Oct. 1. Class 6.
Avon Products, Inc., New York, N. Y. After-shaving lotion, toilet water, talcum powder, etc. Serial No. 494,779; Oct. 1. Class 6.
Bancroft Racket Company, Pawtucket, R. I. Shuttlecocks. Serial No. 503,154; Oct. 1. Class 22.
Barnett, Ben G., doing business as Harben Manufacturing Company, Dallas, Tex. Collapsible canopy frame. Serial No. 493,530; Oct. 1. Class 19.
Barry, R. B., and Company, San Francisco, Calif. War record plaques of cardboard. Serial No. 490,782; Oct. 1. Class 50.
Bates, C. J., & Son, Chester, Conn. Manicure implements. Serial No. 502,617; Oct. 1. Class 44.
Bee Chemical Company, Chicago, Ill. Corrosion preventative compositions. Serial No. 489,933; Oct. 1. Class 6.
Bee Chemical Company, Chicago, Ill. Tool life increasing chemicals, grinding chemicals, machining catalysts, etc. Serial No. 491,386; Oct. 1. Class 6.
Bell Laboratories: *See*—
Bell, Robert J.
Bell, Robert J., doing business as Bell Laboratories, Orlando, Fla. Oil used to dissolve carbon. Serial No. 482,361; Oct. 1. Class 15.
Berg, Christy L., doing business as Berg Vault Company, St. Louis, Mo. Burial vaults and caskets. Serial No. 488,886; Oct. 1. Class 2.
Berg Vault Company: *See*—
Berg, Christy L.
Berry-Lebeck Mfg. Co.: *See*—
Berry, Robert W.
Berry, Robert W., doing business as Berry-Lebeck Mfg. Co., California, Mo. Fish lures. Serial No. 495,359; Oct. 1. Class 22.
Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Sheet material comprised of textile fabric. Serial No. 486,936; Oct. 1. Class 50.
Bourke, Holland & Miller, Inc., New York, N. Y. Printed advertising material. Serial No. 495,536; Oct. 1. Class 38.
Canfield Oil Company, The, Cleveland, Ohio. Lubricating oils. Serial No. 496,197; Oct. 1. Class 15.
Capital Records, Inc., Los Angeles, Calif. Grooved phonograph records. Serial No. 498,980; Oct. 1. Class 36.
Celotex Corporation, The, Chicago, Ill. Partition tiles. Serial No. 501,046; Oct. 1. Class 12.
Century Precision Works, Inc., New York, N. Y. Electric irons. Serial No. 499,764; Oct. 1. Class 21.
Champion Stove Company, The, Cleveland, Ohio. Kitchen stoves, ranges, portable, space, and water heaters, etc. Serial No. 495,954; Oct. 1. Class 34.
Christensen Diamond Products Company, Salt Lake City, Utah. Types of diamond drill bits; reamer shells, casing bits, etc. Serial No. 487,664; Oct. 1. Class 23.
Churchill Limited, Baltimore, Md. Straight bourbon whiskey, straight rye whiskey, and blended whiskey. Serial No. 499,046; Oct. 1. Class 49.
Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts, underwear, and handkerchiefs. Serial No. 498,501; Oct. 1. Class 39.
Cohen, Theodore I., Kansas City, Mo. Books, magazines and periodicals. Serial No. 495,792; Oct. 1. Class 38.
Consolidated Cosmetics, Chicago, Ill. Perfume, cologne, lipstick, etc. Serial No. 492,824; Oct. 1. Class 6.
Dalason Products Mfg. Co.: *See*—
Abelson, Samuel.
Dalglish, J. M., and Company, St. Paul, Minn. Hardware. Serial No. 489,569; Oct. 1. Class 23.
Darling, Ruth, Lab.: *See*—
Weissberg, Ruth.
Davis, George H., doing business as George H. Davis Company, Minneapolis, Minn. Greeting cards. Serial Nos. 497,464–5; Oct. 1. Class 38.
Davis, George H., Company: *See*—
Davis, George H.
Delaware Ribbon Manufacturers, Inc., Philadelphia, Pa. Ribbon. Serial No. 494,596; Oct. 1. Class 42.
De Rose, Ernest A., New York, N. Y. Men's and women's slacks or trousers, shorts, etc. Serial No. 500,527; Oct. 1. Class 39.
Detroit Harvester Company, Detroit, Mich. Electric motor driven fluid pumps and specifically hydraulic pumps, etc. Serial No. 492,692; Oct. 1. Class 23.
Ekco Products Company, Chicago, Ill. Kitchen and household tools and utensils. Serial No. 492,695; Oct. 1. Class 23.
Electronic Specialty Co.: *See*—
Marcus, David A.
Embosograf Corporation of America, New York, N. Y. Embossing-press supplies. Serial No. 484,674; Oct. 1. Class 37.
Eversharp, Inc., Chicago, Ill. Fountain pens and mechanical pencils. Serial No. 496,551; Oct. 1. Class 37.
Federal Machine and Welder Company, The, Warren, Ohio. Furniture. Serial No. 496,134; Oct. 1. Class 32.
Fillson, Dan, Fairbanks, Alaska. Pipes. Serial No. 494,397; Oct. 1. Class 8.
Film Crafts Engineering Company, New York, N. Y. 16 mm. cameras. Serial No. 488,690; Oct. 1. Class 26.
Foster & Company, New York, N. Y. Whiskey. Serial No. 493,673; Oct. 1. Class 49.
Freel, John A., doing business as Michigan Specialty and Manufacturing Co., Bay City, Mich. Frenum guides, circumcision clamps, surgical scissors, etc. Serial No. 484,680; Oct. 1. Class 44.
Garcia, Licoreria: *See*—
Arcelay, J. O. Garcia.
Gay Jr. Dresses, Inc., New York, N. Y. Dresses. Serial No. 491,407; Oct. 1. Class 39.
Gimbel Brothers, Inc., New York, N. Y. Golf balls. Serial No. 503,896; Oct. 1. Class 22.
Go Manufacturing Company, New York, N. Y. Men's underwear and shirts. Serial No. 497,602; Oct. 1. Class 39.
Gougler, C. L., Keyless Lock Company, The, assignor to The C. L. Gougler Machine Company, Kent, Ohio. Locks. Serial No. 496,504; Oct. 1. Class 25.
Gougler, C. L., Machine Company, The, assignee: *See*—
Gougler, C. L., Keyless Lock Company.
Hall, Jay C., doing business as Rintzet Co., Huntington Park, Calif. Preparation for use in counteracting the odor of alcoholic breath. Serial No. 492,195; Oct. 1. Class 6.
Harben Manufacturing Company: *See*—
Barnett, Ben G.
Hego Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 496,311; Oct. 1. Class 42.
Hetherington, Robert, & Son, Inc., Wilmington, Del. Electrical product booklet. Serial No. 490,885; Oct. 1. Class 38.
Hipwell Manufacturing Company, Pittsburgh, Pa. Casings for portable battery operated flash lamps, and lanterns. Serial No. 495,802; Oct. 1. Class 21.
Houston Oil Field Material Company, Inc., Houston, Tex. Oil well tools and parts thereof. Serial No. 492,266; Oct. 1. Class 23.
Industrial Tape Corporation, New Brunswick, N. J. Adhesive tapes. Serial No. 491,097; Oct. 1. Class 21.
Jalof, William R., doing business as Plastic Products, Los Angeles, Calif. Poker chips. Serial No. 488,222; Oct. 1. Class 22.

Johansen Bros. Shoe Co., Inc., St. Louis, Mo., and New York, N. Y. Shoes. Serial No. 468,004; Oct. 1. Class 39.
Kobrand Corporation, New York, N. Y. Wines. Serial No. 499,904; Oct. 1. Class 47.
Kramer, Charles A., doing business as Southern California Fruit Products Co., Los Angeles, Calif. Lemon juice. Serial No. 499,498; Oct. 1. Class 46.
Kremer, John C., West Palm Beach, Fla. Fishing lures. Serial No. 499,954; Oct. 1. Class 22.
Lake Shore Engineering Company, Iron Mountain, Mich. Travelling crane apparatus of both the trolley and gantry types. Serial No. 495,481; Oct. 1. Class 23.
Long Boy Sleeping Equipment Co., Los Angeles, Calif. Bed-rail extensions, box mattresses, and box springs. Serial No. 493,501; Oct. 1. Class 32.
Lorenzen, Ann J., Atlantic City, N. J. Dolls. Serial No. 504,369; Oct. 1. Class 22.
Majestic Knitting Mills, assignor to Majestic Knitting Mills, Incorporated, New York, N. Y. Children's sweaters. Serial No. 492,411; Oct. 1. Class 39.
Majestic Knitting Mills, Incorporated: *See*—
Majestic Knitting Mills.
Manhattan Shirt Company, The, New York, N. Y. Slippers. Serial No. 490,678; Oct. 1. Class 39.
Marcus, David A., doing business as Electronic Specialty Co., Los Angeles, Calif. Test meter for checking radio transmitters. Serial No. 488,700; Oct. 1. Class 26.
Margolin, Meyer, doing business as Resilient Insole Company, Elgin, Ill. Shoes. Serial No. 479,750; Oct. 1. Class 39.
Markwell Mfg. Co., Inc., New York, N. Y. Stapling machines. Serial No. 494,567; Oct. 1. Class 23.
Mario Packing Corporation, San Francisco, Calif. Canned pork and beans. Serial No. 498,155; Oct. 1. Class 46.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Sections of magazines. Serial No. 499,844; Oct. 1. Class 38.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Tablet for oral administration as an antacid. Serial No. 492,213; Oct. 1. Class 6.
Michigan Specialty and Manufacturing Co.: *See*—
Freel, John A.
Midland Fabrics Company, assignor to Midland Fabrics Corporation, New York, N. Y. Piece goods. Serial No. 488,701; Oct. 1. Class 42.
Midland Fabrics Corporation, assignee: *See*—
Midland Fabrics Company.
Mobilstatic Balancer Company, Cheyenne, Wyo. Adjustable machine for manually balancing tires. Serial No. 498,019; Oct. 1. Class 23.
Moers Mills Inc., Nashville, Tenn. Anklets or bobby socks and hosiery. Serial No. 499,342; Oct. 1. Class 39.
Montres Dreffa S. A., Geneva, Switzerland. Watch, clock, and chronometer movements, etc. Serial No. 494,277; Oct. 1. Class 27.
New Insulation Company Limited, The, Gloucester, England. Electrical insulating materials. Serial No. 473,345; Oct. 1. Class 21.
Novelart Manufacturing Company, New York, N. Y. Greeting cards. Serial No. 497,118; Oct. 1. Class 38.
Paragon Radio Distributors Corp., New York, N. Y. Radio receiving sets and/or radio transmitting sets, electric irons, etc. Serial No. 498,540; Oct. 1. Class 21.
Patterson, Robert H., Atlanta, Ga. Cigars, cigarettes, smoking tobacco, etc. Serial No. 496,565; Oct. 1. Class 17.
Pipe Line Service Corporation, Franklin Park, Ill. Travelling pipe coating and wrapping machine. Serial No. 499,799; Oct. 1. Class 23.
Plastic Products: *See*—
Jalof, W. R.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Candles. Serial No. 488,420; Oct. 1. Class 15.
Pondel Fabrics, Inc., Pawtucket, R. I. Fabrics in the piece. Serial No. 497,040; Oct. 1. Class 42.
Poughkeepsie Leather Coat Company, Inc., Poughkeepsie, N. Y. Children's, youths' and junior misses' snow suits. Serial No. 492,787; Oct. 1. Class 39.
Premier Optical Products, Inc., New York, N. Y. Optical instruments. Serial No. 493,453; Oct. 1. Class 23.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Oral penicillin. Serial No. 495,821; Oct. 1. Class 6.
Pynol Company, The, Quincy, Ill. Soap. Serial No. 494,233; Oct. 1. Class 4.
Rand Rubber Company, Brooklyn, N. Y. Dress shields. Serial No. 498,029; Oct. 1. Class 40.
Resilient Insole Company: *See*—
Margolin, Meyer.
Richelieu, Marie, Parfum Odesant, Inc., New York, N. Y. Toilet water and perfume. Serial No. 490,457; Oct. 1. Class 6.
Rieber, Frank, doing business as Rieber Research Laboratory, New York, N. Y. Electrical oscillators and filters. Serial No. 494,924; Oct. 1. Class 21.
Rieber Research Laboratory: *See*—
Reiber, Frank.
Rintzet Co.: *See*—
Hall, Jay C.
Riverside & Dan River Cotton Mills, Inc., Danville, Va. Piece goods of cotton, rayon, wool, etc. Serial No. 483,791; Oct. 1. Class 42.
Sayford, Frank M., Co. Inc., Brooklyn, N. Y. Paper cups. Serial No. 503,760; Oct. 1. Class 2.
Sayles Finishing Plants, Inc., Saylesville, R. I. Piece goods of cotton, linen, silk, etc. Serial No. 497,047; Oct. 1. Class 42.
Schroeder, Ludolf G., doing business as Zatso Products Company, Pine Plains, N. Y. Fruit-cereal beverage or imitation coffee. Serial No. 499,512; Oct. 1. Class 46.
Scurich, P. A., & Sons, Watsonville, Calif. Fresh apples. Serial No. 499,514; Oct. 1. Class 46.
Sealy, Incorporated, Chicago, Ill. Mattresses and sofa beds, studio couches, etc. Serial No. 501,541; Oct. 1. Class 32.
Sears, Roebuck and Co., Chicago, Ill. Peat moss. Serial No. 479,529; Oct. 1. Class 1.
Signet Hosiery Company, Cambridge, Mass. Hosiery, women's and children's dresses, etc. Serial No. 500,906; Oct. 1. Class 39.
Societe A B G, (Sociétés Ariès, La Bougie B. G. et S. F. E. D. R. Réunies), Paris, France. Machines for the grinding of gears and of plane surfaces, etc. Serial No. 487,156; Oct. 1. Class 23.
Societe Anonyme Solex, Neuilly-Sur-Seine (Seine), France. Petroleum products. Serial No. 485,424; Oct. 1. Class 15.
Société de Publicité et d'Editions "La Qualite Francaise" (S. A. R. L.), Paris, France. Monthly publication. Serial No. 490,088; Oct. 1. Class 38.
Southern California Fruit Products Co.: *See*—
Kramer, Charles A.
Southern California Plastic Company, Eagle Rock, Calif. Plastic applicators. Serial No. 501,289; Oct. 1. Class 44.
Standard Cap and Seal Corporation, Chicago, Ill. Bottle closures. Serial No. 497,346; Oct. 1. Class 50.
Stanley Home Products, Inc., Springfield, Mass. Deodorant. Serial No. 482,657; Oct. 1. Class 6.
Stern, Arthur, New York, N. Y. Sandwiches. Serial No. 469,448; Oct. 1. Class 46.
Stratosol Corporation, New York, N. Y. Wastebaskets. Serial No. 492,803; Oct. 1. Class 2.
Strong, Carlisle & Hammond Company, Cleveland, Ohio. Valve and seat assemblies. Serial No. 488,172; Oct. 1. Class 13.
Syracuse Ornamental Co., Syracuse, N. Y. Religious and gift statues, statuettes, artificial flowers, etc. Serial No. 487,292; Oct. 1. Class 50.
Taylor, Charles H., Springfield, Mass. Game. Serial No. 491,523; Oct. 1. Class 22.
Tekniska Aktiebolaget Flora, Gavle, Sweden. Safty razors and safety razor blades. Serial No. 498,324; Oct. 1. Class 23.
Tennessee Eastman Corporation, Kingsport, Tenn. Chemical preparation. Serial No. 491,289; Oct. 1. Class 6.
Theobald Industries, The, Kearny, N. J. Cat food. Serial No. 497,754; Oct. 1. Class 46.
Tidewater Plywood Company, Brunswick, Ga. Laminated plywood lumber. Serial Nos. 501,027–8; Oct. 1. Class 12.
Trans-Lux News-Sign Corporation, New York, N. Y. Electrically lighted and operated travelling message signs. Serial Nos. 496,487–8; Oct. 1. Class 21.
Trio Novelty Company, New York, N. Y. Ruchings. Serial No. 495,854; Oct. 1. Class 42.
United States News Publishing Corporation, Washington, D. C. Section of periodical publications. Serial No. 499,872; Oct. 1. Class 38.
Wagner Awning & Manufacturing Company, The, Cleveland, Ohio. Awnings, tents, canopies, etc. Serial No. 497,757; Oct. 1. Class 50.
Waldman and Stein, Hammonton, N. J. Trousers. Serial No. 489,837; Oct. 1. Class 39.
Ward Machine Company, Inc., Brockton, Mass. Safety razors, parts thereof, and razor blades. Serial No. 499,451; Oct. 1. Class 23.
Weber Addressing Machine Co.: *See*—
Weber, Joseph A.
Weber, Joseph A., doing business as Weber Addressing Machine Co., Chicago, Ill. Addressing, labelling, and marking device. Serial No. 494,731; Oct. 1. Class 37.
Weintraub Brothers & Co., Philadelphia, Pa. Periodicals. Serial No. 494,378; Oct. 1. Class 38.
Weiss Hat Co., The, New York, N. Y. Men's hats. Serial No. 494,764; Oct. 1. Class 39.
Weissberg, Ruth, doing business as Ruth Darling Lab., Newark, N. J. Nail polish remover. Serial No. 490,045; Oct. 1. Class 6.
Wheatley Mayonnaise Co., Inc., Louisville, Ky. Mayonnaise, sandwich spread, home style dill pickles, etc. Serial No. 489,243; Oct. 1. Class 46.
Wonder-Rest Corporation, Milwaukee, Wis. Mattresses. Serial No. 493,304; Oct. 1. Class 32.
Wyeth Incorporated, Philadelphia, Pa. Dry powdered papaya. Serial No. 499,365; Oct. 1. Class 46.
Zatso Products Company: *See*—
Schroeder, Ludolf G.
Zenith Radio Corporation, Chicago, Ill. Electrical pick-up arms and parts and electrical sound pick-up units for talking machines. Serial No. 499,681; Oct. 1. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Novelty Klothes, Inc., New York, N. Y. Children's play suits and trousers. 424,356; Oct. 1; Serial No. 492,536; published July 16, 1946. Class 39.
Adam, Ruth C., doing business as Personality Products, Kansas City, Mo. Infants' knitted wear. 424,299; Oct. 1; Serial No. 481,465; published July 2, 1946. Class 39.
Adels, L., Company: *See*—
Hipp, Didisheim Co., Inc.
Adler, Ben H., doing business as Adler Manufacturing Co., Chicago, Ill. Base metal cooking utensils. 424,411; Oct. 1. Class 13.
Adler Manufacturing Co.: *See*—
Adler, Ben H.
Ainslee Classics, New York, N. Y. Ladies' coats and suits. 424,418; Oct. 1. Class 39.
Alice Frock Co., San Francisco, Calif. Women's and children's wearing apparel. 424,398; Oct. 1; Serial No. 496,881; published July 9, 1946. Class 39.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Women's negligees, pajamas, hats, etc. 424,277; Oct. 1; Serial No. 461,296; published July 9, 1946. Class 39.
Alpha-Lux Company, Inc., The, New York, N. Y. Powder or composition for facing or coating molds for metal casting. 219,920; renewed Oct. 26, 1946. O. G. Oct. 1. Class 1.
Alpina Kaese A. G. (Alpina Cheese Co.), Burgdorf, Switzerland. Cheese and preserved cheese. 216,843; renewed Aug. 24, 1946. O. G. Oct. 1. Class 46.
American Bitumuls Company: *See*—
Colfix, Limited.
American Cyanamid Company: *See*—
Heller & Merz Co., The.
American International Publications, Inc., New York, N. Y. Periodical. 424,337; Oct. 1; Serial No. 489,308; published July 16, 1946. Class 38.
American Laundry Machinery Company, The, Norwood Station, Cincinnati, to The American Laundry Machinery Company, Cincinnati, Ohio. Laundry washing machines. 219,749; renewed Oct. 26, 1946. O. G. Oct. 1. Class 24.
American Lead Pencil Company, Hoboken, N. J. Mechanical pencils and fountain pens. 424,278; Oct. 1; Serial No. 465,174; published Feb. 22, 1944. Class 37.
American Rolling Mill Company, The, assignee: *See*—
Rustless Iron & Steel Corporation.
American Sacol Company, assignee: *See*—
Wittig, Albert.
American Steel and Wire Company of New Jersey, The: *See*—
Cyclone Fence Company.
American Stores Company: *See*—
Wilkinson, Gaddis & Co.
American Stores Company, Philadelphia, Pa. Cream of tartar and baking powder. 219,076; renewed Oct. 12, 1946. O. G. Oct. 1. Classes 6 and 46.
Anderson, Albert & J. M., Manfacturing Company, to Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Circuit controllers or switches. 52,653; re-renewed May 15, 1946. O. G. Oct. 1. Class 21.
Apex Coated Fabrics Co. Inc., New York, N. Y. Coated fabrics, enamelled cloth, artificial leather, etc. 219,882; renewed Oct. 26, 1946. O. G. Oct. 1. Classes 42, 50, and 20.
Arbino, John, doing business as Marshmallow Products, Cincinnati, Ohio. Marshmallow candies. 424,376; Oct. 1; Serial No. 494,422; published July 9, 1946. Class 46.
Arkansas Peanut Company: *See*—
Haynes, John E.
Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys' and children's underwear and knitted outerwear. 424,333; Oct. 1; Serial No. 488,010; published July 9, 1946. Class 39.
Autotype Company Limited, The, London, England. Sensitized photographic papers. 424,388; Oct. 1; Serial No. 495,717; published July 9, 1946. Class 26.
Aywon Storage Battery Co.: *See*—
Patstone, Arthur L.
Aywon Storage Battery Company: *See*—
Patstone, Arthur L.
Baby Post Incorporated, New York, N. Y. Periodical. 424,352; Oct. 1; Serial No. 491,959; published July 16, 1946. Class 38.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Safe combination knobs. 213,611; renewed June 1, 1946. O. G. Oct. 1. Class 25.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Door handles, knobs, knockers, etc. 214,366; renewed June 22, 1946. O. G. Oct. 1. Class 13.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Radium plaques, ozonizing apparatus, violet-ray generators, etc. 214,367; renewed June 22, 1946. O. G. Oct. 1. Class 44.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Meter frames, disks, and cases; etc. 214,663; renewed June 29, 1946. O. G. Oct. 1. Class 26.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Clock cases and watchcases. 215,162; renewed July 13, 1946. O. G. Oct. 1. Class 27.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Picture frames, and chair seats, and arms. 215,498; renewed July 20, 1946. O. G. Oct. 1. Class 32.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Loving-cup bases, and rosaries. 216,529; renewed Aug. 10, 1946. O. G. Oct. 1. Class 50.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Necklaces, earrings, bracelets, etc. 219,492; renewed Oct. 19, 1946. O. G. Oct. 1. Class 28.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Grinding wheels, cutting wheels. 220,365; renewed Nov. 9, 1946. O. G. Oct. 1. Class 4.
Bear Brand Hosiery Co., Chicago, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Textile articles. 213,345; renewed May 25, 1946. O. G. Oct. 1. Class 39.
Bear Brand Hosiery Co., Chicago, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Textile articles. 213,347; renewed May 25, 1946. O. G. Oct. 1. Class 39.
Bear Brand Hosiery Co., Chicago, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Textile articles. 213,421; renewed May 25, 1946. O. G. Oct. 1. Class 39.
Bear Brand Hosiery Co., Chicago, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Textile articles. 216,878; renewed Aug. 24, 1946. O. G. Oct. 1. Class 39.
Beecham, Joseph, St. Helens, England, to Beechams Pills, Inc., Bloomfield, N. J. Pills. 54,158; re-renewed June 19, 1946. O. G. Oct. 1. Class 6.
Beecham, Joseph, St. Helens, England, to Beechams Pills, Inc., Bloomfield, N. J. Pills. 54,241–2; re-renewed June 26, 1946. O. G. Oct. 1. Class 6.
Beechams Pills, Inc.: *See*—
Beecham, Joseph.
Bergman, Marco, Co., New York, N. Y. Hair nets. 424,365; Oct. 1; Serial No. 493,161; published July 9, 1946. Class 39.
Berry, Irving, New York, N. Y. Polo shirts and sweaters. 424,394; Oct. 1; Serial No. 496,067; published July 16, 1946. Class 39.
Bon Marche, The: *See*—
Allied Stores Corporation.
Borden Company, The: *See*—
Casein Manufacturing Company, The.
Bradley, Raymond T., doing business as Pawl-Rae Products Company, South Bend, Ind. Hand cleaner. 424,316; Oct. 1; Serial No. 486,138; published Nov. 27, 1945. Class 4.
Brown, Andrew, Company, Los Angeles, Calif. Metal paint primer. 424,363; Oct. 1; Serial No. 492,819; published July 16, 1946. Class 16.
Burklin Process Company, Inc., Bethesda, Md. Soap for cleaning and shampooing rugs and upholstery. 424,367; Oct. 1; Serial No. 493,319; published July 9, 1946. Class 4.
California Date Growers Association: *See*—
Deglet Noor Date Growers Association, The.
Careskey, James L., Seattle, Wash. Periodical publication. 424,334; Oct. 1; Serial No. 488,638; published July 9, 1946. Class 38.
Casein Manufacturing Company, The, to The Borden Company, New York, N. Y. Preparation used as an adhesive in the manufacture of paper for gluing clay, satin white, colors, etc. 217,263; renewed Aug. 31, 1946. O. G. Oct. 1. Class 5.
Celluplastic Corporation, Newark, N. J. Plastic materials. 424,360; Oct. 1; Serial No. 492,683; published July 16, 1946. Class 1.
Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Water aerators for attachment to faucets and other water outlets. 424,370; Oct. 1; Serial No. 493,479; published July 16, 1946. Class 13.
Chase & Sanborn, Boston, Mass., to Standard Brands Incorporated, New York, N. Y. Tea. 55,236; re-renewed Aug. 7, 1946. O. G. Oct. 1. Class 46.
Chase & Sanborn, Boston, Mass., to Standard Brands Incorporated, New York, N. Y. Tea. 55,664; re-renewed Aug. 21, 1946. O. G. Oct. 1. Class 46.
Chemical Toilet Corporation, to San-Equip, Inc., Syracuse, N. Y. Chemical toilet systems. 219,781; renewed Oct. 26, 1946. O. G. Oct. 1. Class 13.
Chemical Toilet Corporation, to San-Equip, Inc., Syracuse, N. Y. Septic tanks. 219,906; renewed Oct. 26, 1946. O. G. Oct. 1. Class 2.

Chemical Works Formerly Sandoz, Basel, Switzerland, to Sandoz Chemical Works, Inc., New York, N. Y. Pharmaceutical products. 219,405; renewed Oct. 19, 1946. O. G. Oct. 1. Class 6.

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted textile, and pile fabrics in the piece. 215,394; renewed July 20, 1946. O. G. Oct. 1. Class 42.

Cities Service Oil Company: *See*—
Lindsay-McMillan Co.

Clover Manufacturing Company, The, Norwalk, Conn. Abrasive compounds. 424,340; Oct. 1; Serial No. 491,401; published July 9, 1946. Class 4.

Cohen, Goldman & Co., Inc., New York, N. Y. Men's, boys', and children's outer garments. 424,336; Oct. 1; Serial No. 489,040; published July 2, 1946. Class 39.

Cohen, Goldman & Co. Inc., New York, N. Y. Men's, boys', and children's outer garments. 424,375; Oct. 1; Serial No. 494,392; published July 16, 1946. Class 39.

Cole, Rex, Inc., Long Island City, N. Y. Field testing sets, turbo-supercharger regulators, and automatic engine controls, etc. 424,310; Oct. 1; Serial No. 483,714; published July 2, 1946. Class 26.

Colfix, Limited, Glasgow, Scotland, to American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Manufactures for bitumen for use in a cold state. 216,883; renewed Aug. 24, 1946. O. G. Oct. 1. Class 12.

Collins (Juveniles) Limited, Glasgow, Scotland. Gymnasium frocks, skirts, kilts, etc. 424,351; Oct. 1; Serial No. 491,805; published June 25, 1946. Class 39.

Colonial Tanning Company, to Colonial Tanning Company, Inc., Boston, Mass. Raw or partly-prepared leather. 219,911; renewed Oct. 26, 1946. O. G. Oct. 1. Class 1.

Colonial Tanning Company, Inc.: *See*—
Colonial Tanning Company.

Colton Fruit Exchange, to S. S. Damus, doing business as United Citrus Growers, Colton, Calif. Fresh citrus fruits. 229,835; renewed Oct. 26, 1946. O. G. Oct. 1. Class 46.

Columbian Steel Tank Company, Kansas City, Mo. Welded steel pipe; welded steel casing for wells and the like; portable trash burners, etc. 424,405; Oct. 1. Class 13.

Cosmos International Corporation, New York, N. Y. Dietetic salt. 424,384; Oct. 1; Serial No. 495,275; published July 2, 1946. Class 46.

Craig, James.—California, Los Angeles, Calif. Dresses for the use of women, misses, and girls. 424,291; Oct. 1; Serial No. 479,423; published July 9, 1946. Class 39.

Crystal Chemical Company, Inc., The, Bronx, N. Y., to Sterling Drug Inc., Wilmington, Del. Soaps and soap shaving creams. 218,853; renewed Oct. 5, 1946. O. G. Oct. 1. Class 4.

Cullom & Ghertner Company, Nashville, Tenn. Sets of blank forms for record sheets, etc. 424,303; Oct. 1; Serial No. 482,923; published July 16, 1946. Class 37.

Cyclone Fence Company, Waukegan, Ill., to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Wire baskets. 213,643; renewed June 1, 1946. O. G. Oct. 1. Class 2.

Damus, Shibil S.: *See*—
Colton Fruit Exchange.

Deglet Noor Date Growers Association, The, to California Date Growers Association, Indio, Calif. Fresh and candied dates. 217,712; renewed Sept. 7, 1946. O. G. Oct. 1. Class 46.

Dejur-Amsco Corporation, Long Island City, N. Y. Photographic enlargers and accessories. 424,330; Oct. 1; Serial No. 487,703; published July 9, 1946. Class 26.

De Laval Separator Company, The, New York and Poughkeepsie, to The De Laval Separator Company, New York, N. Y. Cream-separators of all kinds. 56,918; re-renewed Oct. 23, 1946. O. G. Oct. 1. Class 23.

Devonshire, Inc., New York, N. Y. Ladies' and misses' dresses. 424,400; Oct. 1; Serial No. 497,298; published July 9, 1946. Class 39.

Dey Brothers & Company: *See*—
Allied Stores Corporation.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, base cover paper, cover papers, etc. 424,417; Oct. 1. Class 37.

Dorward, J. & J. C., Limited, Galashiels, Scotland. Costumes, coats, and skirts for women; etc. 214,673; renewed June 29, 1946. O. G. Oct. 1. Class 39.

Dunning, H. H., & Co.: *See*—
Dunning, Hal H.

Dunning, Hal H., doing business as H. H. Dunning & Co., Denver, Colo. Paste hand cleaner and soap products. 424,346; Oct. 1; Serial No. 490,881; published June 18, 1946. Class 4.

Eaton Manufacturing Company, Cleveland, Ohio. Heat, wear, corrosion, and erosion resistant metallic alloys, and welding rods. 424,380; Oct. 1; Serial No. 494,825; published July 9, 1946. Class 14.

Edward, E. E., Ltd., New York, N. Y. Ash receivers, humidors, cigar and cigarette cases. 424,341; Oct. 1; Serial No. 490,017; published July 16, 1946. Class 8.

Eichner, Herb, St. Cloud, Minn. Bi-monthly publication. 424,419; Oct. 1. Class 38.

Elgin National Watch Company, Chicago, to Elgin National Watch Company, Elgin, Ill. Watches and watch-cases. 219,846; renewed Oct. 26, 1946. O. G. Oct. 1. Class 27.

Elizabeth Hat Company, New York, N. Y. Ladies' and misses' hats. 424,324; Oct. 1; Serial No. 487,181; published July 9, 1946. Class 39.

Eloy Ranches, Inc., Eloy, Ariz. Fresh asparagus, fresh broccoli, fresh cabbage, etc. 424,319–20; Oct. 1; Serial Nos. 486,570–71; published July 2, 1946. Class 46.

Engelke, William J., Fort Worth, Tex. Practice hand grenades. 424,328; Oct. 1; Serial No. 487,608; published July 16, 1946. Class 9.

Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Meat-chopping machines and meat-presses. 56,956; re-renewed Oct. 30, 1946. O. G. Oct. 1. Class 23.

Estate Stove Company, The, Hamilton, Ohio. Heating appliances. 215,159; renewed July 13, 1946. O. G. Oct. 1. Class 34.

Faber, Eberhard, New York, to Eberhard Faber Pencil Company, Brooklyn, N. Y. Penholders. 57,022; re-renewed Oct. 30, 1946. O. G. Oct. 1. Class 37.

Faber, Eberhard, Pencil Company: *See*—
Faber, Eberhard.

Fashion Park, Inc.: *See*—
Stein-Bloch Co., The.

Federal Electric Company, Inc. of Texas, Chicago, Ill. Liquid plastic surfacing material. 424,340; Oct. 1; Serial No. 489,906; published July 16, 1946. Class 16.

Federal Postal Employees Association, Denver, Colo. Periodical publication. 424,372; Oct. 1; Serial No. 494,047; published July 16, 1946. Class 38.

Fig-O-Lax Ovals Company, Inc., New York, N. Y., to S. Silber, Newark, N. J. Ointment for burns, cuts, bruises, etc. 219,161; renewed Oct. 12, 1946. O. G. Oct. 1. Class 6.

Forstmann & Huffman Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 214,009; renewed June 8, 1946. O. G. Oct. 1. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 215,475; renewed July 20, 1946. O. G. Oct. 1. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 215,875; renewed July 27, 1946. O. G. Oct. 1. Class 42.

Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company.

"42" Products, Ltd., doing business as Windsor House, Ltd., Los Angeles, Calif. Brushless shaving cream, lathering shaving cream, shaving soaps, etc. 424,335; Oct. 1; Serial No. 488,807; published July 16, 1946. Class 4.

Friedman, Keller & Co., Paducah, Ky., to McKesson & Robbins, Incorporated, New York, N. Y. Whisky. 55,277–78; re-renewed Aug. 14, 1946. O. G. Oct. 1. Class 49.

Gellin Co., The, Cleveland, Ohio. Floor wax. 424,331; Oct. 1; Serial No. 487,836; published July 9, 1946. Class 16.

General Abrasive Company, Inc., Niagara Falls, N. Y. Fused alumina abrasives. 424,306–7; Oct. 1; Serial Nos. 483,474–6; published July 16, 1946. Class 4.

General Aniline & Film Corporation, New York, N. Y. Light sensitive printing and developing machines. 424,322; Oct. 1; Serial No. 487,125; published June 25, 1946. Class 26.

General Aniline & Film Corporation, New York, N. Y. Light sensitive diazotype papers, cloth, films, etc. 424,323; Oct. 1; Serial No. 487,127; published June 25, 1946. Class 26.

General Aniline & Film Corporation, New York, N. Y. Photographic apparatus and accessories thereto. 424,329; Oct. 1; Serial No. 487,674; published July 2, 1946. Class 26.

General Aniline & Film Corporation, New York, N. Y. Cleansing compositions. 424,377; Oct. 1; Serial No. 494,554; published July 16, 1946. Class 4.

General Desserts Corporation, New York, N. Y. Gelatin dessert. 424,283; Oct. 1; Serial No. 477,650; published July 2, 1946. Class 46.

General Mills, Inc.: *See*—
Perry Mill & Elevator Company.
Sperry Flour Co.
Sperry Flour Company.

Gilbert Paper Company, Menasha, Wis. Bond paper. 219,087; renewed Oct. 12, 1946. O. G. Oct. 1. Class 37.

Girl Scouts, New York, N. Y. Belts and scarfs for personal wear, etc. 212,451; renewed May 4, 1946. O. G. Oct. 1. Class 39.

Grand Union Company, The, New York, N. Y. Silver polish, shaving cream, cleanser, etc. 424,332; Oct. 1; Serial No. 487,939; published June 18, 1946. Class 4.

Gray-Mills Co., Evanston, Ill. General purpose solvent. 424,317; Oct. 1; Serial No. 486,249; published July 16, 1946. Class 4.

Greene, Herbert A.: *See*—
Robinson Fire Apparatus Manufacturing Company.

Haas, Geo., & Sons, San Francisco, to Geo. Haas & Sons, Emeryville, Calif. Eating chocolates. 213,084; renewed May 18, 1946. O. G. Oct. 1. Class 46.

Hagan, George L., Company, Pittsburgh, Pa. Heating furnaces. 219,603; renewed Oct. 19, 1946. O. G. Oct. 1. Class 21.

Halladay-Thomas-Publishers, Union City, N. J. Reproductions of oil paintings. 424,364; Oct. 1; Serial No. 492,835; published July 16, 1946. Class 38.

Handman, Maurice, doing business as Maurelle Products Co., assignor to Maurella Products Company, Inc., New York, N. Y. Emollients and lotions. 424,312; Oct. 1; Serial No. 484,528; published Nov. 6, 1945. Class 4.

Hanover Wire Cloth Company, Hanover, Pa. Wire cloth. 424,371; Oct. 1; Serial No. 493,680; published June 25, 1946. Class 13.

Haynes, John E., doing business as Arkansas Peanut Company, Hot Springs, Ark. Salted peanuts. 424,302; Oct. 1; Serial No. 482,625; published July 2, 1946. Class 46.

Heller & Merz Co., The, Newark, N. J., and New York, N. Y., to American Cyanamid Company, New York, N. Y. Ball-blue and wash-blue. 56,482; re-renewed Sept. 25, 1946. O. G. Oct. 1. Class 6.

Hettrick Manufacturing Company, The, Toledo, Ohio. Sweaters. 424,403; Oct. 1. Class 39.

Hipp, Didisheim Co., Inc., to L. Adels Company, New York, N. Y. Watches, watchcases, watch movements, etc. 218,014; renewed Sept. 14, 1946. O. G. Oct. 1. Class 27.

Hooven Letters Incorporated, New York, N. Y. Writing paper and letterheads. 424,368; Oct. 1; Serial No. 493,355; published July 16, 1946. Class 37.

Horne, John, Company, not Inc., Chicago, Ill. Candy. 424,311; Oct. 1; Serial No. 484,298; published June 25, 1946. Class 46.

Hudson, H. D., Manufacturing Company: *See*—
Hudson Mfg. Company.

Hudson Mfg. Company, Minneapolis, Minn., to H. D. Hudson Manufacturing Company, Chicago, Ill. Portable and hand-operated sprayers and parts thereof. 219,937; renewed Oct. 26, 1946. O. G. Oct. 1. Class 23.

Industrial Undergarment Corporation, Poughkeepsie and New York, N. Y., now by change of name to Stardust Incorporated. Ladies' and misses' blouses. 424,294; Oct. 1; Serial No. 480,457; published June 12, 1945. Class 39.

Infanta Knitting Mills, Philadelphia, Pa. Children's knitted sweaters and jackets. 424,387; Oct. 1; Serial No. 495,477; published July 16, 1946. Class 39.

International Shoe Company, St. Louis, Mo. Boots and shoes. 424,298; Oct. 1; Serial No. 481,145; published July 31, 1945. Class 39.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 424,393; Oct. 1; Serial No. 496,027; published June 25, 1946. Class 39.

Jays Inc., Boston, Mass. Dresses, suits, coats, etc. 219,668; renewed Oct. 19, 1946. O. G. Oct. 1. Class 39.

Jetmore Co., The, Olathe, Kans. Children's play garments. 424,416; Oct. 1. Class 39.

Jones, Nellie D., doing business as Ne-Dan-Jo Company, Atlanta, Ga. Preparation for corns, bunions, calli, etc. 219,702; renewed Oct. 19, 1946. O. G. Oct. 1. Class 6.

Kayser, Julius, & Co., New York, N. Y. Infants' and children's underwear. 424,385; Oct. 1; Serial No. 495,391; published July 16, 1946. Class 39.

Kellogg Company, Battle Creek, Mich. Animals and poultry feeds. 424,282; Oct. 1; Serial No. 477,332; published July 9, 1946. Class 46.

Kelly, E. J., Company, Kalamazoo, Mich. Printing inks. 424,378; Oct. 1; Serial No. 494,612; published July 16, 1946. Class 11.

Kempsmith Machine Company, The: *See*—
Kempsmith Manufacturing Co., The.

Kempsmith Manufacturing Co., The, to The Kempsmith Machine Company, West Allis, Wis. Plain milling machines, universal milling machines, vertical milling machines, etc. 217,526; renewed Aug. 31, 1946. O. G. Oct. 1. Class 23.

Kempsmith Manufacturing Co., The, to The Kempsmith Machine Company, West Allis, Wis. All-geared plain milling machines, all-geared universal milling machines, etc. 219,918; renewed Oct. 26, 1946. O. G. Oct. 1. Class 23.

Kendall Refining Company, Bradford, Pa. Thermoplastic resins. 424,347; Oct. 1; Serial No. 490,888; published July 16, 1946. Class 1.

Kennerly, H. B., & Son, Nanticoke, Md. Canned fish and canned vegetables. 424,382; Oct. 1; Serial No. 495,173; published July 2, 1946. Class 46.

Kern, Louis M., assignor to Tikern Corporation, New York, N. Y. Photographic equipment. 424,292; Oct. 1; Serial No. 479,435; published July 9, 1946. Class 26.

Kirsten Pipe Company, assignee: *See*—
Webster-Brinkley Co.

Knox Chemical Company, Chicago, Ill. Liquid cleaning fluids and grease removers. 424,357; Oct. 1; Serial No. 492,566; published July 16, 1946. Class 4.

Koffman & Blumenau, Bay City, Mich. Malt sirup. 213,089; renewed May 18, 1946. O. G. Oct. 1. Class 46.

Labratest, Inc., Long Island City, N. Y. Cleansing powder. 424,358; Oct. 1; Serial No. 492,631; published July 16, 1946. Class 4.

Lachman-Novasel Paper Co., New York, N. Y. Box and specialty papers. 424,359; Oct. 1; Serial No. 492,633; published July 16, 1946. Class 37.

Lane Tobacco, Ltd., New York, N. Y. Pipes. 424,373; Oct. 1; Serial No. 494,081; published July 16, 1946. Class 8.

Laura-Lu Company, Inc., assignee: *See*—
Lauralu Co.

Lauralu Co., assignor to Laura-Lu Company, Inc., New York, N. Y. Ladies', misses', and children's pajamas. 424,284; Oct. 1; Serial No. 477,806; published Mar. 20, 1945. Class 39.

Lawrence, W. W., & Company, Pittsburgh, Pa. Ready-mixed paints. 55,527; re-renewed Aug. 14, 1946. O. G. Oct. 1. Class 16.

Leitz, E., Inc., New York, N. Y. Microscope and camera. 424,279; Oct. 1; Serial No. 468,455; published July 9, 1946. Class 26.

Leonora Silk Underwear Co., New York, N. Y. Silk sleeping gowns and slips. 424,392; Oct. 1; Serial No. 495,894; published July 16, 1946. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' topcoats and overcoats and suits. 424,344; Oct. 1; Serial No. 490,498; published July 9, 1946. Class 39.

Libby, McNeill & Libby, Chicago, Ill. Cut meats and a combination of food products. 219,395; renewed Oct. 19, 1946. O. G. Oct. 1. Class 46.

Lindsay-McMillan Co., Milwaukee, Wis., to Cities Service Oil Company, Bartlesville, Okla. Lubricating oils and greases, gasoline, etc. 218,814; renewed Oct. 5, 1946. O. G. Oct. 1. Class 15.

Lindsay-McMillan Co., Milwaukee, Wis., to Cities Service Oil Company, Bartlesville, Okla. Liquid core binder. 219,229; renewed Oct. 12, 1946. O. G. Oct. 1. Class 5.

Lindsay-McMillan Co., Milwaukee, Wis., to Cities Service Oil Company, Bartlesville, Okla. Lubricating oil. 219,434; renewed Oct. 19, 1946. O. G. Oct. 1. Class 15.

Lord Baltimore Filling Stations, Inc., Baltimore, Md. Motor oils and greases, auto oils and greases, gasoline, etc. 215,972; renewed Aug. 3, 1946. O. G. Oct. 1. Class 15.

Lord's, Evanston, Ill. Women's coats, dresses, and suits, etc. 424,276; Oct. 1; Serial No. 447,464; published June 12, 1945. Class 39.

Lusk, Irving, Inc., New York, N. Y. Men's and women's top coats, rain coats, rain capes, etc. 424,383; Oct. 1; Serial No. 495,178; published July 9, 1946. Class 39.

Lustberg, Nast, & Co., Inc., New York, N. Y. Men's and boys' sport and dress shirts, lumberjacks, etc. 424,396; Oct. 1; Serial No. 496,249; published June 25, 1946. Class 39.

Marshall's Manufacturing Co., Boston, Mass. Women's coats and suits. 424,423; Oct. 1. Class 39.

Marshmallow Products: *See*—
Arbino, John.

Maurella Products Co.: *See*—
Handman, Maurice.

Maurella Products Company, Inc., assignee: *See*—
Handman, Maurice.

Maxwell Company, The, Atlanta, Ga. Men's, Boys', and juvenile sportswear. 424,280; Oct. 1; Serial No. 474,700; published July 16, 1946. Class 39.

May Department Stores Company, The, St. Louis, Mo., to The May Department Stores Company, New York, N. Y. Children's apparel. 219,912; renewed Oct. 26, 1946. O. G. Oct. 1. Class 39.

McKesson & Robbins, Incorporated: *See*—
Friedman, Keller & Co.

Minneapolis Star Journal and Tribune Company, Minneapolis, Minn. Regularly issued Sunday newspaper. 424,313; Oct. 1; Serial No. 484,851; published July 9, 1946. Class 38.

Mintz & Schwam, New York, N. Y. Mink coats. 424,397; Oct. 1; Serial No. 496,322; published July 16, 1946. Class 39.

Monarch Leather Company, Chicago, Ill. Leather. 424,285–7; Oct. 1; Serial Nos. 478,138–40; published July 16, 1946. Class 1.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. 424,348; Oct. 1; Serial No. 491,110; published July 9, 1946. Class 1.

Mosness Company: *See*—
Mosness, Leonard J.

Mosness, Leonard J., doing business as Mosness Company, Boston, to Leonard J. Mosness, doing business as Mosness Company, Allston, Mass. French sauce. 218,569; renewed Sept. 28, 1946. O. G. Oct. 1. Class 46.

Mutation Mink Breeders Association, Elkhorn, Wis. Fur coats. 424,305; Oct. 1; Serial No. 483,436; published June 25, 1946. Class 39.

National Industries, Inc., Chicago, Ill. Periodical publication. 424,421; Oct. 1. Class 38.

National Malleable Castings Company, The, Cleveland, Ohio, and Indianapolis, Ind., to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway-car castings. 53,103; re-renewed May 29, 1946. O. G. Oct. 1. Class 14.

National Malleable Castings Company, The, Cleveland, Ohio, and Sharon, Pa., to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway-car castings. 53,559; re-renewed June 5, 1946. O. G. Oct. 1. Class 14.

National Malleable and Steel Castings Company: *See*—
National Malleable Castings Company, The.

National Retail Furniture Association, Chicago, Ill. An annual manual. 424,408; Oct. 1. Class 38.

National Trading Company, Inc., Hickory, N. C. Deep-freeze boxes. 424,326; Oct. 1; Serial No. 487,564; published July 16, 1946. Class 31.

National Trading Company, Inc., Hickory, N. C. Electric refrigerators. 424,327; Oct. 1; Serial No. 487,566; published July 16, 1946. Class 31.

National Welding Equipment Company, San Francisco, Calif. Gas welding burners, torches, and gas welding apparatus and parts thereof. 219,752; renewed Oct. 26, 1946. O. G. Oct. 1. Class 34.

Ne-Dan-Jo Company: *See*—
Jones, Nellie D.

New York Sun, Inc., New York, N. Y. Publication. 424,409; Oct. 1. Class 38.

Oakite Products, Inc., New York, N. Y. Non-saponaceous cleaning preparation. 424,290; Oct. 1; Serial No. 478,789; published June 19, 1945. Class 4.

Pacific Wire Works Co., assignee: *See*—
Pacific Wire Works, Inc.

Pacific Wire Works, Inc., assignor to Pacific Wire Works Co., Seattle, Wash. Wire cloth, welded wire fabric, and heavy spring steel type of screen. 424,288; Oct. 1; Serial No. 478,144; published May 29, 1945. Class 13.

Parker Pen Company, The, Janesville, Wis. Writing ink. 424,296; Oct. 1; Serial No. 480,714; published Feb. 12, 1946. Class 11.

Patch, E. L., Company, The, Stoneham, Mass. Cod-liver oil. 219,586; renewed Oct. 19, 1946. O. G. Oct. 1. Class 6.

Patstone, Arthur L., doing business as Aywon Storage Battery Co., Atlantic, to Arthur L. Patstone, doing business as Aywon Storage Battery Company, Quincy, Mass. Radio apparatus, vacuum-tube, controls, receiving transformers, etc. 216,145; renewed Aug. 3, 1946. O. G. Oct. 1. Class 21.

Pawl-Rae Products Company: *See*—
Bradley, Raymond T.

Perry, H., & Company Limited, Nottingham, England. Women's underclothing made wholly of nylon. 424,410; Oct. 1. Class 39.

Perry Mill & Elevator Company, Perry, Okla., to General Mills, Inc., Minneapolis, Minn. Wheat flour. 219,388; renewed Oct. 19, 1946. O. G. Oct. 1. Class 46.

Personality Products: *See*—
Adam, Ruth C.

Petroleum Publishing Company, The, Tulsa, Okla. Section in a periodical. 424,404; Oct. 1. Class 38.

Phillips-Jones Corporation, New York, N. Y. Men's sport shirts. 424,369; Oct. 1; Serial No. 493,400; published June 25, 1946. Class 39.

Pollak Steel Company, The, Cincinnati, Ohio. Rolled steel bars and all merchant shapes. 424,342; Oct. 1; Serial No. 490,258; published July 9, 1946. Class 14.

Post, Frederick, Company, The, Chicago, Ill. Light-sensitized light-transmitting base-sheets. 424,381; Oct. 1; Serial No. 495,024; published July 2, 1946. Class 26.

Postway Company, The, assignor to The Postway Company, Concord, N. C. Ladies' full fashioned hosiery, ladies' seamless hosiery, men's and children's seamless hosiery, etc. 424,413; Oct. 1. Class 39.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing, soap-like detergents. 424,339; Oct. 1; Serial No. 489,826; published June 18, 1946. Class 4.

Purity Cheese Company, Mayville, Wis. Cheese. 424,301; Oct. 1; Serial No. 482,440; published July 9, 1946. Class 46.

Quackenbush Company: *See*—
Allied Stores Corporation.

Ragle, J. M., doing business as J. M. Ragle Industries, Kansas City, Mo. Welding rods. 424,355; Oct. 1; Serial No. 492,460; published July 9, 1946. Class 14.

Ragle, J. M., Industries: *See*—
Ragle, J. M.

Rapid Sportswear Co., New York, N. Y. Ladies' raincoats. 424,401; Oct. 1; Serial No. 497,333; published July 9, 1946. Class 39.

Regal Shoe Company, Whitman, Mass. Hosiery. 424,304; Oct. 1; Serial No. 483,033; published Aug. 28, 1945. Class 39.

Republic Steel Corporation: *See*—
Taylor, N. & G., Co.

Rhine Undergarment Company, New York, N. Y. Panties, slips, and polo shirts for ladies and children. 424,345; Oct. 1; Serial No. 490,546; published July 9, 1946. Class 39.

Richard & Smith, Sunset, La. Fresh sweet potatoes. 424,386; Oct. 1; Serial No. 495,407; published July 9, 1946. Class 46.

Richbar Hats, Inc., The, New York, N. Y. Hat bodies. 424,281; Oct. 1; Serial No. 476,699; published June 19, 1945. Class 39.

Rich-land Canning Corporation, Friesland, Wis. Canned peas and canned corn. 424,300; Oct. 1; Serial No. 481,804; published July 2, 1946. Class 46.

Rife Hydraulic Engine Mfg. Co., New York, N. Y. Hydraulic engines and rams. 212,696; renewed May 11, 1946. O. G. Oct. 1. Class 23.

Robbins Engineering Company, Highland Park, Mich. Sine plates. 424,366; Oct. 1; Serial No. 493,283; published July 2, 1946. Class 26.

Robinson Fire Apparatus Manufacturing Company, St. Louis, Mo., to H. A. Greene, doing business as M. L. Snyder & Son, Philadelphia, Pa. Fire extinguisher apparatus. 219,936; renewed Oct. 26, 1946. O. G. Oct. 1. Class 23.

Rothshire Coats, New York, N. Y. Coats. 424,353; Oct. 1; Serial No. 492,096; published July 16, 1946. Class 39.

Rustless Iron & Steel Corporation, Baltimore, Md., assignor to The American Rolling Mill Company, Middletown, Ohio. Alloy steel and corrosion-resisting alloy steel. 424,315; Oct. 1; Serial No. 485,699; published July 9, 1946. Class 14.

Sandoz Chemical Works, Inc.: *See*—
Chemical Works Formerly Sandoz.

San-Equip, Inc.: *See*—
Chemical Toilet Corporation.

Sani-Mode Mfg. Co., assignor to Sani-Mode Mfg. Co., Chicago, Ill. Shower bath curtains, and accessories therefor. 424,374; Oct. 1; Serial No. 494,129; published July 9, 1946. Class 13.

Schumacher, F., & Co., New York, N. Y. Upholstery fabrics. 218,555; renewed Sept. 28, 1946. O. G. Oct. 1. Class 42.

Shibley & Finer, Inc., Boston, Mass. Misses' dresses. 424,297; Oct. 1; Serial No. 480,840; published June 18, 1946. Class 39.

Shirts, Inc., New York, N. Y. Men's outer shirts. 424,389; Oct. 1; Serial No. 495,766; published July 16, 1946. Class 39.

Siegel, A. L., Co., Inc., New York, N. Y. Bathroom accessories made of plastic film. 424,395; Oct. 1; Serial No. 496,109; published July 16, 1946. Class 13.

Silber, Samuel: *See*—
Fig-O-Lax Ovals Company, Inc.

Smith-Alsop Paint and Varnish Company, The, Terre Haute, Ind. Paint and varnish remover. 424,289; Oct. 1; Serial No. 478,522; published July 16, 1946. Class 16.

Smith, Travis O., Kansas City, Mo. Stands and brackets for supporting bags to receive waste materials. 424,379; Oct. 1; Serial No. 494,763; published July 16, 1946. Class 13.

Snap-Lite Corp., assignee: *See*—
Speed Mfg. Co.

Snyder, M. L., & Son: *See*—
Robinson Fire Apparatus Manufacturing Company.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Ready-mixed paints, varnishes, paint enamels, etc. 424,343; Oct. 1; Serial No. 490,264; published July 9, 1946. Class 16.

Solomon Bros. Co., New York, N. Y. Men's and women's sport jackets and shirts. 424,399; Oct. 1; Serial No. 497,050; published July 16, 1946. Class 39.

Southern Biscuit Company, Incorporated: *See*—
Southern Biscuit Works.

Southern Biscuit Works, to Southern Biscuit Company, Incorporated, Richmond, Va. Cakes and crackers. 220,142; renewed Nov. 2, 1946. O. G. Oct. 1. Class 46.

Southern Lacquers & Coatings Company, Miami, Fla. Coating materials. 424,362; Oct. 1; Serial No. 492,802; published July 9, 1946. Class 16.

Southworth Company, Mittineague, to Southworth Company, West Springfield, Mass. Writing-paper and envelopes. 29,034; re-renewed Oct. 27, 1946. O. G. Oct. 1. Class 37.

Speed Mfg. Co., assignor to Snap-Lite Corp., New York, N. Y. Pyrophoric lighters for cigars, cigarettes and pipes. 424,414; Oct. 1. Class 34.

Sperry Flour Co., San Francisco, Calif., to General Mills, Inc., Minneapolis, Minn. Poultry food. 217,026; renewed Aug. 24, 1946. O. G. Oct. 1. Class 46.

Sperry Flour Company, San Francisco, Calif., to General Mills, Inc., Minneapolis, Minn. Stock food. 219,867; renewed Oct. 26, 1946. O. G. Oct. 1. Class 46.

Sport Products, Inc., Cincinnati, Ohio. Men's and boys' sport shirts, sport jackets, etc. 424,295; Oct. 1; Serial No. 480,532; published Dec. 11, 1945. Class 39.

Sports Afield Publishing Co., Minneapolis, Minn. Magazine. 424,420; Oct. 1. Class 38.

Standard Brands Incorporated: *See*—
Chase & Sanborn.

Stardust Incorporated: *See*—
Industrial Undergarment Corporation.

Stein-Bloch Co., The, to Fashion Park, Inc., Rochester, N. Y. Men's sack coats and men's overcoats. 217,425; renewed Aug. 31, 1946. O. G. Oct. 1. Class 39.

Sterling Drug Inc.: *See*—
Crystal Chemical Company, Inc., The.

Stutman, Hyman H., Brighton, Mass. Ladies' and misses' dresses. 424,314; Oct. 1; Serial No. 485,179; published Nov. 20, 1945. Class 39.

Sutton Publishing Company, Inc., New York, N. Y. Periodicals. 424,412; Oct. 1. Class 38.

Taylor, N. & G., Co., Philadelphia, Pa., to Republic Steel Corporation, Cleveland, Ohio. Tin and terne plate. 56,090; re-renewed Aug. 21, 1946. O. G. Oct. 1. Class 14.

Tikern Corporation, assignee: *See*—
Kern, Louis M.

Titeflex, Inc., Newark, N. J. Self-locking conduit clamps. 424,406; Oct. 1. Class 13.

Torngren, C. W., Co., Somerville, Mass. Semi-fabricated sheet metal. 424,338; Oct. 1; Serial No. 489,425; published July 16, 1946. Class 14.

Trav-L-Neat Products Company, Kansas City, Kans. Automobile coat hanger hooks. 424,415; Oct. 1. Class 13.

Tucker Duck & Rubber Co., Fort Smith, Ark. Tents, awnings, paulings, and covers. 219,874; renewed Oct. 26, 1946. O. G. Oct. 1. Class 50.

United Citrus Growers: *See*—
Colton Fruit Exchange.

Vanity Fair Mills, Inc.: *See*—
Vanity Fair Silk Mills.

Vanity Fair Silk Mills, to Vanity Fair Mills, Inc., Reading, Pa. Gloves of leather, rubber, and fabric and combinations thereof; etc. 219,768; renewed Oct. 26, 1946. O. G. Oct. 1. Class 39.

Van Kerngut, Joseph G.: *See*—
Wagner, Aug., Commission Co.

Victory Soap & Chemical Co., Inc., New York, N. Y. Chemical cleaning preparation. 424,325; Oct. 1; Serial No. 487,230; published July 2, 1946. Class 4.

Wagner, Aug., Commission Co., St. Louis, Mo., to J. G. Van Korngut, Conneaut Lake, Pa. Malt sirup, cheese and butter. 220,214; renewed Nov. 2, 1946. O. G. Oct. 1. Class 46.

Wagner, Chas. P., & Bro.: *See*—
Wagner, Wiltz W.

Wagner, Wiltz W., doing business as Chas. P. Wagner & Bro., New Orleans, La. Barbecue sauce, tomato catsup, tomato sauce, etc. 424,293; Oct. 1; Serial No. 480,430; published July 9, 1946. Class 46.

Wallace, R., & Sons Manufacturing Company, Wallingford, Conn. Sterling-silver hollow ware, sterling-silver flat ware, and sterling-silver toilet articles. 54,561; re-renewed June 26, 1946. O. G. Oct. 1. Class 28.

Washburn, F. B., Candy Corporation, Brockton, Mass. Candy. 424,354; Oct. 1; Serial No. 492,298; published July 9, 1946. Class 46.

Wasmer Bolt & Screw Corporation, Lakewood, Ohio. Plow bolts, nuts, and screws. 424,422; Oct. 1. Class 13.

Watkins, J. R., Company, The, Winona, Minn. Toilet soap. 424,321; Oct. 1; Serial No. 486,836; published June 18, 1946. Class 4.

Webster-Brinkley Co., assignor to Kirsten Pipe Company, Seattle, Wash. Electromagnetic actuators. 424,402; Oct. 1. Class 21.

Western Produce Co., Torrington, Wyo. Potatoes. 424,318; Oct. 1; Serial No. 486,552; published July 9, 1946. Class 46.

Wilkinson, Gaddis & Co., Newark, N. J., to American Stores Company, Philadelphia, Pa. Canned lobster. 52,923; re-renewed May 22, 1946. O. G. Oct. 1. Class 46.

Windsor House, Ltd.: *See*—
"42" Products, Ltd.

Winthrop-Atkins Co., Inc., Middleboro, Mass. Illustrated calendars. 424,407; Oct. 1. Class 37.

Wittig, Albert, New York, N. Y., assignor to American Sacol Company, Lynn, Mass. Liquid containing mainly methylene chloride. 424,350; Oct. 1; Serial No. 491,444; published July 9, 1946. Class 16.

Wolfe, H. Lee, Company, Chicago, Ill. Soap. 424,361; Oct. 1; Serial No. 492,756; published July 16, 1946. Class 4.

Wollensak Optical Company, Rochester, N. Y. Photographic lenses. 424,390–1; Oct. 1; Serial Nos. 495,851–2; published July 9, 1946. Class 26.

Wrisley, Allen B., Company, Chicago, Ill. Soap. 219,935; renewed Oct. 26, 1946. O. G. Oct. 1. Class 4.

Zeidman and Lieberstein, Brooklyn, N. Y. Powder cleaning compound. 424,309; Oct. 1; Serial No. 483,710; published July 2, 1946. Class 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather. Monarch Leather Company. 424,285–7; Oct. 1; Serial Nos. 478,138–40; published July 16, 1946.

Leather, Raw or partly-prepared. Colonial Tanning Company. 219,911; renewed Oct. 26, 1946. O. G. Oct. 1.

Plastic materials. Celluplastic Corporation. 424,360; Oct. 1; Serial No. 492,683; published July 16, 1946.

Powder or composition for facing or coating molds for metal casting. Alpha-Lux Company, Inc. 219,920; renewed Oct. 26, 1946. O. G. Oct. 1.

Resins, Synthetic. Monsanto Chemical Company. 424,348; Oct. 1; Serial No. 491,110; published July 9, 1946.

Resins, Thermoplastic. Kendall Refining Company. 424,347; Oct. 1; Serial No. 490,888; published July 16, 1946.

CLASS 2

Baskets, Wire. Cyclone Fence Company. 213,643; renewed June 1, 1946. O. G. Oct. 1.

Tanks, Septic. Chemical Toilet Corporation. 219,906; renewed Oct. 26, 1946. O. G. Oct. 1.

CLASS 4

Abrasive compounds. Clover Manufacturing Company. 424,349; Oct. 1; Serial No. 491,401; published July 9, 1946.

Abrasives, Fused alumina. General Abrasive Company, Inc. 424,606–8; Oct. 1; Serial Nos. 483,474–6; published July 16, 1946.

Cleaner and soap products, Paste hand H. Dunning. 424,346; Oct. 1; Serial No. 490,881; published June 18, 1946.

Cleaner, Hand. R. T. Bradley. 424,316; Oct. 1; Serial No. 486,138; published Nov. 27, 1945.

Cleaning compound, Powder. Zeidman and Lieberstein. 424,309; Oct. 1; Serial No. 483,710; published July 2, 1946.

Cleaning fluids and grease removers, Liquid. Knox Chemical Company. 424,357; Oct. 1; Serial No. 492,566; published July 16, 1946.

Cleaning powder. Labratest, Inc. 424,358; Oct. 1; Serial No. 492,631; published July 16, 1946.

Cleaning preparation, Chemical. Victory Soap & Chemical Co., Inc. 424,325; Oct. 1; Serial No. 487,230; published July 2, 1946.

Cleaning preparations, Non-saponaceous. Oakite Products, Inc. 424,290; Oct. 1; Serial No. 478,789; published June 19, 1945.

Cleansing compositions. General Aniline & Film Corporation. 424,377; Oct. 1; Serial No. 494,554; published July 16, 1946.

Emollients and lotions. M. Handman. 424,312; Oct. 1; Serial No. 484,528; published Nov. 6, 1945.

Grinding wheels, cutting wheels. Bakelite Corporation. 220,365; renewed Nov. 9, 1946. O. G. Oct. 1.

Polish, shaving cream, cleanser, etc., Silver. Grand Union Company. 424,332; Oct. 1; Serial No. 487,939; published June 18, 1946.

Shaving cream, lathering shaving cream, shaving soaps, etc., Brushless. "42" Products, Ltd. 424,335; Oct. 1; Serial No. 488,807; published July 16, 1946.

Soap. H. Lee Wolfe Company. 424,361; Oct. 1; Serial No. 492,756; published July 16, 1946.

Soap. Allen B. Wrisley Company. 219,935; renewed Oct. 26, 1946. O. G. Oct. 1.

Soap for cleaning and shampooing rugs and upholstery. Burklin Process Company. 424,367; Oct. 1; Serial No. 493,319; published July 9, 1946.

Soap, Toilet. J. R. Watkins Company. 424,321; Oct. 1; Serial No. 486,836; published June 18, 1946.

Soaps and soap shaving creams. Crystal Chemical Company, Inc. 218,853; renewed Oct. 5, 1946. O. G. Oct. 1.

Solvent, General purpose. Gray-Mills Co. 424,317; Oct. 1; Serial No. 486,249; published July 16, 1946.

Sudsing, soap-like detergents. Procter & Gamble Company. 424,339; Oct. 1; Serial No. 489,826; published June 18, 1946.

CLASS 5

Binder, Liquid core. Lindsay-McMillan Co. 219,229; renewed Oct. 12, 1946. O. G. Oct. 1.

Preparation used as an adhesive in the manufacture of paper for gluing clay, satin white, colors, etc. Casein Manufacturing Company. 217,263; renewed Aug. 31, 1946. O. G. Oct. 1.

CLASS 6

Ball-blue and wash-blue. Heller & Merz Co. 56,482; re-renewed Sept. 25, 1946. O. G. Oct. 1.

Cod-liver oil. E. L. Patch Company. 219,586; renewed Oct. 19, 1946. O. G. Oct. 1.

Cream of tartar and baking powder. American Stores Company. 219,076; renewed Oct. 12, 1946. O. G. Oct. 1.

Ointment for burns, cuts, bruises, etc. Fig-O-Lax Ovals Company, Inc. 219,161; renewed Oct. 12, 1946. O. G. Oct. 1.

Pharmaceutical products. Chemical Works Formerly Sandoz. 219,405; renewed Oct. 19, 1946. O. G. Oct. 1.

Pills. J. Beecham. 54,158; re-renewed June 19, 1946. O. G. Oct. 1.

Pills. J. Beecham. 54,241–2; re-renewed June 26, 1946. O. G. Oct. 1.

Preparation for corns, bunions, calli, etc. N. D. Jones. 219,702; renewed Oct. 19, 1946. O. G. Oct. 1, 1946.

CLASS 8

Ash receivers, humidors, cigar and cigarette cases. E. E. Edward, Ltd. 424,341; Oct. 1; Serial No. 490,017; published July 16, 1946.

Pipes. Lane Tobacco, Ltd. 424,373; Oct. 1; Serial No. 494,081; published July 16, 1946.

CLASS 9

Practice hand grenades. W. J. Engelke. 424,328; Oct. 1; Serial No. 487,608; published July 16, 1946.

CLASS 11

Ink, Writing. Parker Pen Company. 424,296; Oct. 1; Serial No. 480,714; published Feb. 12, 1946.
Inks, Printing. E. J. Kelly Company. 424,378; Oct. 1; Serial No. 494,612; published July 16, 1946.

CLASS 12

Bitumen for use in a cold state, Manufactures for. Colfix, Limited. 216,883; renewed Aug. 24, 1946. O. G. Oct. 1.

CLASS 13

Aerators for attachment to faucets and other water outlets, Water. Chase Brass & Copper Co. Incorporated. 424,370; Oct. 1; Serial No. 493,479; published July 16, 1946.
Bathroom accessories made of plastic film. A. L. Siegel Co., Inc. 424,395; Oct. 1; Serial No. 496,109; published July 16, 1946.
Bolts, nuts, and screws, Plow. Wasmer Bolt & Screw Corporation. 424,422; Oct. 1.
Chemical toilet systems. Chemical Toilet Corporation. 219,781; renewed Oct. 26, 1946. O. G. Oct. 1.
Clamps, Self-locking conduit. Titeflex, Inc. 424,406; Oct. 1.
Cloth, welded wire fabric, and heavy spring steel type of screen, Wire. Pacific Wire Works, Inc. 424,288; Oct. 1; Serial No. 478,144; published May 29, 1945.
Cooking utensils, Base metal. B. H. Adler. 424,411; Oct. 1.
Curtains, and accessories, therefor, Shower bath. Sani-Mode Mfg. Co. 424,374; Oct. 1; Serial No. 494,129; published July 9, 1946.
Handles, knobs, knockers, etc., Door. Bakelite Corporation. 214,366; renewed June 22, 1946. O. G. Oct. 1.
Hooks, Automobile coat hanger. Trav-L-Neat Products Company. 424,415; Oct. 1.
Stands and brackets for supporting bags to receive waste materials. T. O. Smith. 424,379; Oct. 1; Serial No. 494,763; published July 16, 1946.
Steel pipe; welded steel casing for wells and the like; portable trash burners, etc., Welded. Columbian Steel Tank Company. 424,405; Oct. 1.
Wire cloth. Hanover Wire Cloth Company. 424,371; Oct. 1; Serial No. 493,680; published June 25, 1946.

CLASS 14

Alloy, steel and corrosion-resisting alloy steel. Rustless Iron & Steel Corporation. 424,315; Oct. 1; Serial No. 485,699; published July 9, 1946.
Alloys, and welding rods, Heat wear, corrosion and erosion resistant metallic. Eaton Manufacturing Company. 424,380; Oct. 1; Serial No. 494,825; published July 9, 1946.
Castings, Railway-car. National Malleable Castings Company. 53,103; re-renewed May 29, 1946. O. G. Oct. 1.
Castings, Railway-car. National Malleable Castings Company. 53,559; re-renewed June 5, 1946. O. G. Oct. 1.
Rods, Welding. J. M. Ragle. 424,355; Oct. 1; Serial No. 492,460; published July 9, 1946.
Sheet metal, Semi-fabricated. C. W. Torngren Co. 424,338; Oct. 1; Serial No. 489,425; published July 16, 1946.
Steel bars and all merchant shapes, Rolled. Pollak Steel Company. 424,342; Oct. 1; Serial No. 490,258; published July 9, 1946.
Tin and tern plate. N. & G. Taylor Co. 56,090; re-renewed Aug. 21, 1946. O. G. Oct. 1.

CLASS 15

Oil, Lubricating. Lindsay-McMillan Co. 219,434; renewed Oct. 19, 1946. O. G. Oct. 1.
Oils and greases, auto oils and greases, gasoline; etc., Motor. Lord Baltimore Filling Stations, Inc. 215,972; renewed Aug. 3, 1946. O. G. Oct. 1.
Oils and greases, gasoline, etc., Lubricating. Lindsay-McMillan Co. 218,814; renewed Oct. 5, 1946. O. G. Oct. 1.

CLASS 16

Coating materials. Southern Lacquers & Coatings Company. 424,362; Oct. 1; Serial No. 492,802; published July 9, 1946.
Liquid containing mainly methylene chloride. A. Wittig. 424,350; Oct. 1; Serial No. 491,444; published July 9, 1946.
Paint and varnish remover. Smith-Alsop Paint and Varnish Company. 424,289; Oct. 1; Serial No. 478,522; published July 16, 1946.
Paint primer, Metal. A. Brown Company. 424,363; Oct. 1; Serial No. 492,819; published July 16, 1946.
Paints, Ready-mixed. W. W. Lawrence & Company. 55,527; re-renewed Aug. 14, 1946. O. G. Oct. 1.
Paints, varnishes, paint enamels, etc., Ready-mixed. Socony-Vacuum Oil Company, Incorporated. 424,343; Oct. 1; Serial No. 490,264; published July 9, 1946.
Plastic surfacing material, Liquid. Federal Electric Company, Inc. of Texas. 424,340; Oct. 1; Serial No. 489,906; published July 16, 1946.
Wax, Floor. Gellin Co. 424,331; Oct. 1; Serial No. 487,836; published July 9, 1946.

CLASS 20

Fabrics, enamelled cloth, artificial leather, etc., Coated. Apex Coated Fabrics Co. Inc. 219,882; renewed Oct. 26, 1946. O. G. Oct. 1.

CLASS 21

Actuators, Electromagnetic. Webster-Brinkley Co. 424,402; Oct. 1.
Circuit controllers or switches. Albert & J. M. Anderson Manufacturing Company. 52,653; re-renewed May 15, 1946. O. G. Oct. 1.
Furnaces, Heating. George L. Hagan Company. 219,603; renewed Oct. 19, 1946. O. G. Oct. 1.
Radio apparatus, vacuum-tube controls, receiving transformers, etc. A. L. Patstone. 216,145; renewed Aug. 3, 1946. O. G. Oct. 1.

CLASS 23

Cream-separators of all kinds. De Laval Separator Company. 56,918; re-renewed Oct. 23, 1946. O. G. Oct. 1.
Engines and rams, Hydraulic. Rife Hydraulic Engine Mfg. Co. 212,696; renewed May 11, 1946. O. G. Oct. 1.
Fire extinguisher apparatus. Robinson Fire Apparatus Manufacturing Company. 219,936; renewed Oct. 26, 1946. O. G. Oct. 1.
Meat-chopping machines and meat-presses. Enterprise Manufacturing Company of Pennsylvania. 56,956; re-renewed Oct. 30, 1946. O. G. Oct. 1.
Milling machines, all-geared universal milling machines, etc., All-geared plain. Kempsmith Manufacturing Co. 219,918; renewed Oct. 26, 1946. O. G. Oct. 1.
Milling machines, universal milling machines, vertical milling machines, etc., Plain. Kempsmith Manufacturing Co. 217,526; renewed Aug. 31, 1946. O. G. Oct. 1.
Sprayers and parts thereof, Portable and hand-operated. Hudson Mfg. Company. 219,937; renewed Oct. 26, 1946. O. G. Oct. 1.

CLASS 24

Washing machines, Laundry. American Laundry Machinery Company. 219,749; renewed Oct. 26, 1946. O. G. Oct. 1.

CLASS 25

Knobs, Safe combination. Bakelite Corporation. 213,611; renewed June 1, 1946. O. G. Oct. 1.

CLASS 26

Base sheets, Light-sensitized light transmitting. Frederick Post Company. 424,381; Oct. 1; Serial No. 495,024; published July 2, 1946.
Diazotype papers, cloth, films, etc., Light sensitive. General Aniline & Film Corporation. 424,323; Oct. 1; Serial No. 487,127; published June 25, 1946.
Enlargers and accessories, Photographic. Dejur-Amsco Corporation. 424,330; Oct. 1; Serial No. 487,703; published July 9, 1946.
Frames, disks, and cases; etc., Meter. Bakelite Corporation. 214,663; renewed June 29, 1946. O. G. Oct. 1.
Lenses, Photographic. Wollensak Optical Company. 424,390–1; Oct. 1; Serial Nos. 495,851–2; published July 9, 1946.
Microscope and camera. E. Leitz, Inc. 424,279; Oct. 1; Serial No. 468,455; published July 9, 1946.
Photographic apparatus and accessories thereto. General Aniline & Film Corporation. 424,329; Oct. 1; Serial No. 487,674; published July 2, 1946.
Photographic equipment. L. M. Kern. 424,292; Oct. 1; Serial No. 479,435; published July 9, 1946.
Photographic papers, Sensitized. Autotype Company Limited. 424,388; Oct. 1; Serial No. 495,717; published July 9, 1946.
Plates, Sinc. Robbins Engineering Company. 424,366; Oct. 1; Serial No. 493,283; published July 2, 1946.
Printing and developing machines, Light sensitive. General Aniline & Film Corporation. 424,322; Oct. 1; Serial No. 487,125; published June 25, 1946.
Testing sets, turbo-supercharger regulators, and automatic engine controls, etc., Field. Rex Cole, Inc. 424,310; Oct. 1; Serial No. 483,714; published July 2, 1946.

CLASS 27

Clock cases and watchcases. Bakelite Corporation. 215,162; renewed July 13, 1946. O. G. Oct. 1.
Watches and watchcases. Elgin National Watch Company. 219,846; renewed Oct. 26, 1946. O. G. Oct. 1.
Watches, watchcases, watch movements, etc. Hipp. Didisheim Co., Inc. 218,014; renewed Sept. 14, 1946. O. G. Oct. 1.

CLASS 28

Necklaces, earrings, bracelets, etc. Bakelite Corporation. 219,492; renewed Oct. 19, 1946. O. G. Oct. 1.
Sterling-silver hollow ware, sterling-silver flat ware, and sterling-silver toilet articles. R. Wallace & Sons Manufacturing Company. 54,561; re-renewed June 26, 1946. O. G. Oct. 1.

CLASS 31

Boxes, Deep-freeze. National Trading Company, Inc. 424,326; Oct. 1; Serial No. 487,564; published July 16, 1946.
Refrigerators, Electric. National Trading Company, Inc. 424,327; Oct. 1; Serial No. 487,566; published July 16, 1946.

CLASS 32

Picture frames, and chair seats, and arms. Bakelite Corporation. 215,498; renewed July 20, 1946. O. G. Oct. 1.

CLASS 34

Burners, torches, and gas welding apparatus and parts thereof, Gas welding. National Welding Equipment Company. 219,752; renewed Oct. 26, 1946. O. G. Oct. 1.
Heating appliances. Estate Stove Company. 215,159; renewed July 13, 1946. O. G. Oct. 1.
Lighters for cigars, cigarettes and pipes, Pyrophoric. Speed Mfg. Co. 424,414; Oct. 1.

CLASS 37

Box and specialty papers. Lachman-Novasel Paper Co. 424,359; Oct. 1; Serial No. 492,633; published July 16, 1946.
Calendars, Illustrated. Winthrop-Atkins Co., Inc. 424,407; Oct. 1.
Forms for record sheets, etc., Sets of blank. Cullom & Ghertner Company. 424,303; Oct. 1; Serial No. 482,923; published July 16, 1946.
Paper and letterheads, Writing. Hooven Letters Incorporated. 424,368; Oct. 1; Serial No. 493,355; published July 16, 1946.
Paper, base cover paper, cover papers, etc. District of Columbia Paper Mills, Inc. 424,417; Oct. 1.
Paper, Bond. Gilbert Paper Company. 219,087; renewed Oct. 12, 1946. O. G. Oct. 1.
Pencils and fountain pens, Mechanical. American Lead Pencil Company. 424,278; Oct. 1; Serial No. 465,174; published Feb. 22, 1944.
Penholders. E. Faber. 57,022; re-renewed Oct. 30, 1946. O. G. Oct. 1.
Writing-paper and envelopes. Southworth Company. 29,034; re-renewed Oct. 27, 1946. O. G. Oct. 1.

CLASS 38

Magazine. Sports Afield Publishing Co. 424,420; Oct. 1.
Manual, Annual. National Retail Furniture Association. 424,408; Oct. 1.
Newspaper, Regularly issued Sunday. Minneapolis Star Journal and Tribune Company. 424,313; Oct. 1; Serial No. 484,851; published July 9, 1946.
Paintings, Reproductions of oil. Halladay-Thomas-Publishers. 424,364; Oct. 1; Serial No. 492,835; published July 16, 1946.
Periodical. American International Publications. 424,337; Oct. 1; Serial No. 489,308; published July 16, 1946.
Periodical. Baby Post Incorporated. 424,352; Oct. 1; Serial No. 491,959; published July 16, 1946.
Periodicals. Sutton Publishing Company, Inc. 424,412; Oct. 1.
Publication. New York Sun, Inc. 424,409; Oct. 1.
Publication, Bi-monthly. H. Eichner. 424,419; Oct. 1.
Publication, Periodical. J. L. Careskey. 424,334; Oct. 1; Serial No. 488,638; published July 9, 1946.
Publication, Periodical. Federal Postal Employee Association. 424,372; Oct. 1; Serial No. 494,047; published July 16, 1946.
Publication, Periodical. National Industries, Inc. 424,421; Oct. 1.
Section in a periodical. Petroleum Publishing Company. 424,404; Oct. 1.

CLASS 39

Apparel, Children's. May Department Stores Company. 219,912; renewed Oct. 26, 1946. O. G. Oct. 1.
Belts and scarfs for personal wear, etc. Girl Scouts. 212,451; renewed May 4, 1946. O. G. Oct. 1.
Blouses, Ladies' and misses'. Industrial Undergarment Corporation. 424,294; Oct. 1; Serial No. 480,457; published June 12, 1945.
Bodies, Hat. Richbar Hats, Inc. 424,281; Oct. 1; Serial No. 476,699; published June 19, 1945.
Boots and shoes. International Shoe Company. 424,298; Oct. 1; Serial No. 481,145; published July 31, 1945.
Coats. Rothshire Coats. 424,353; Oct. 1; Serial No. 492,096; published July 16, 1946.
Coats and suits, Ladies'. Ainslee Classics. 424,418; Oct. 1.
Coats and suits, Women's. Marshall's Manufacturing Co. 424,423; Oct. 1.
Coats, dresses, and suits, etc., Women's. Lord's. 424,276; Oct. 1; Serial No. 447,464; published June 12, 1945.
Coats, Fur. Mutation Mink Breeders. Association. 424,305; Oct. 1; Serial No. 483,436; published June 25, 1946.
Coats, Mink. Mintz & Schwam. 424,397; Oct. 1; Serial No. 496,322; published July 16, 1946.
Costumes, coats, and skirts, for women; etc. J. & J. C. Dorward Limited. 214,673; renewed June 29, 1946. O. G. Oct. 1.
Dresses for the use of women, misses', and girls. J. Craig-California. 424,291; Oct. 1; Serial No. 479,423; published July 9, 1946.
Dresses, Ladies' and misses'. Devonshire, Inc. 424,400; Oct. 1; Serial No. 497,298; published July 9, 1946.
Dresses, Ladies' and misses'. H. H. Stutman. 424,314; Oct. 1; Serial No. 485,179; published Nov. 20, 1945.
Dresses, Misses'. Shibley & Finer, Inc. 424,297; Oct. 1; Serial No. 480,840; published June 18, 1946.
Dresses, suits, coats, etc. Jays Inc. 219,668; renewed Oct. 19, 1946. O. G. Oct. 1.
Frocks, skirts, kilts, etc., Gymnasium. Collins (Juveniles) Limited. 424,351; Oct. 1; Serial No. 491,805; published June 25, 1946.
Garments, Children's play. Jetmore Co. 424,416; Oct. 1.
Garments, Men's, boys', and children's outer. Cohen, Goldman & Co. Inc. 424,375; Oct. 1; Serial No. 494,392; published July 16, 1946.
Gloves of leather, rubber, and fabric and combinations thereof; etc. Vanity Fair Silk Mills. 219,768; renewed Oct. 26, 1946. O. G. Oct. 1.
Gowns and slips, Silk sleeping. Leonora Silk Underwear Co. 424,392; Oct. 1; Serial No. 495,894; published July 16, 1946.
Hats, Ladies' and misses'. Elizabeth Hat Company. 424,324; Oct. 1; Serial No. 487,181; published July 9, 1946.
Hosiery. Interwoven Stocking Company. 424,393; Oct. 1; Serial No. 496,027; published June 25, 1946.
Hosiery. Regal Shoe Company. 424,304; Oct. 1; Serial No. 483,033; published Aug. 28, 1945.
Hosiery, Ladies' seamless hosiery, men's and children's seamless hosiery, etc., Ladies' full fashioned. Postway Company. 424,413; Oct. 1.
Jackets and shirts, Men's and women's sport. Solomon Bros. Co. 424,399; Oct. 1; Serial No. 497,050; published July 16, 1946.
Knitted wear, Infants'. R. C. Adam. 424,299; Oct. 1; Serial No. 481,565; published July 2, 1946.
Negligees, pajamas, hats, etc., Women's. Allied Stores Corporation. 424,277; Oct. 1; Serial No. 461,296; published July 9, 1946.
Nets, Hair. Marco Bergman Co. 424,365; Oct. 1; Serial No. 493,161; published July 9, 1946.
Outer garments, Men's, boys', and children's. Cohen, Goldman & Co., Inc. 424,336; Oct. 1; Serial No. 489,040; published July 2, 1946.
Pajamas, Ladies', misses', and children's. Lauralu Co. 424,284; Oct. 1; Serial No. 477,806; published Mar. 20, 1945.
Panties, slips, and polo shirts for ladies and children. Rhine Undergarment Company. 424,345; Oct. 1; Serial No. 490,546; published July 9, 1946.
Raincoats, Ladies'. Rapid Sportswear Co. 424,401; Oct. 1; Serial No. 497,333; published July 9, 1946.
Sack coats and men's overcoats, Men's. Stein-Bloch Co. 217,425; renewed Aug. 31, 1946. O. G. Oct. 1.
Shirts and sweaters, Polo. I. Berry. 424,394; Oct. 1; Serial No. 496,067; published July 16, 1946.
Shirts, lumberjacks, etc., Men's and boys' sport and dress. Lustberg, Nast & Co., Inc. 424,396; Oct. 1; Serial No. 496,249; published June 25, 1946.
Shirts, Men's outer. Shirts, Inc. 424,389; Oct. 1; Serial No. 495,766; published July 16, 1946.
Shirts, Men's sport. Phillips-Jones Corporation. 424,369; Oct. 1; Serial No. 493,400; published June 25, 1946.
Shirts, sport jackets, etc., Men's and boys' sport. Sport Products, Inc. 424,295; Oct. 1; Serial No. 480,532; published Dec. 11, 1945.
Sportswear, Men's, boys', and juvenile. Maxwell Company. 424,280; Oct. 1; Serial No. 474,700; published July 16, 1946.
Suits and trousers, Children's play. Ace Novelty Klothes, Inc. 424,356; Oct. 1; Serial No. 492,536; published July 16, 1946.
Sweaters. Hettrick Manufacturing Company. 424,403; Oct. 1.
Sweaters and jackets, Children's knitted. Infanta Knitting Mills. 424,387; Oct. 1; Serial No. 495,477; published July 16, 1946.
Textile articles. Bear Brand Hosiery Co. 213,345; renewed May 25, 1946. O. G. Oct. 1.
Textile articles. Bear Brand Hosiery Co. 213,347; renewed May 25, 1946. O. G. Oct. 1.
Textile articles. Bear Brand Hosiery Co. 213,421; renewed May 25, 1946. O. G. Oct. 1.
Textile articles. Bear Brand Hosiery Co. 216,878; renewed Aug. 24, 1946. O. G. Oct. 1.
Topcoats and overcoats and suits, Men's and Boys'. Levy Bros. & Adler Rochester, Incorporated. 424,344; Oct. 1; Serial No. 490,498; published July 9, 1946.
Top coats, rain coats, rain capes, etc., Men's and women's. I. Lusk, Inc. 424,383; Oct. 1; Serial No. 495,178; published July 9, 1946.
Underclothing made wholly of nylon, Women's. H. Perry & Company Limited. 424,410; Oct. 1.
Underwear and knitted outerwear, Men's, boys' and children's. Associated Knitted Outerwear Mills, Inc. 424,333; Oct. 1; Serial No. 488,010; published July 9, 1946.

Underwear, Infants' and children's. Julius Kayser & Co. 424,385; Oct. 1; Serial No. 495,391; published July 16, 1946.
Wearing apparel, Women's and children's. Alice Frock Co. 424,398; Oct. 1; Serial No. 496,881; published July 9, 1946.

CLASS 42

Fabrics, enamelled cloth, artificial leather, etc., Coated. Apex Coated Fabrics Co. Inc. 219,882; renewed Oct. 26, 1946. O. G. Oct. 1.
Fabrics, Upholstery. F. Schumacher & Co. 218,555; renewed Sept. 28, 1946. O. G. Oct. 1.
Woolen piece goods. Forstmann & Huffmann Company. 214,009; renewed June 8, 1946. O. G. Oct. 1.
Woolen piece goods. Forstmann & Huffmann Company. 215,475; renewed July 20, 1946. O. G. Oct. 1.
Woolen piece goods. Forstmann Huffmann Company. 215,875; renewed July 27, 1946. O. G. Oct. 1.
Woven, knitted, netted textile, and pile fabrics in the piece. Cheney Brothers. 215,394; renewed July 20, 1946. O. G. Oct. 1.

CLASS 44

Radium plaques, ozonizing apparatus, violet-ray generators, etc. Bakelite Corporation. 214,367; renewed June 2, 1946. O. G. Oct. 1.

CLASS 46

Asparagus, fresh broccoli, fresh cabbage, etc., Fresh. Eloy Ranches, Inc. 424,319–20; Oct. 1; Serial Nos. 486,570–1; published July 2, 1946.
Cakes and crackers. Southern Biscuit Works. 220,141; renewed Nov. 2, 1946. O. G. Oct. 1.
Candies, Marshmallow. J. Arbino. 424,376; Oct. 1; Serial No. 494,422; published July 9, 1946.
Candy. John Horne Company, Not Inc. 424,311; Oct. 1; Serial No. 484,298; published June 25, 1946.
Candy. F. B. Washburn Candy Corporation. 424,354; Oct. 1; Serial No. 492,298; published July 9, 1946.
Canned fish and canned vegetables. H. B. Kennerly & Son. 424,382; Oct. 1; Serial No. 495,173; published July 2, 1946.
Canned lobster. Wilkinson, Gaddis & Co. 52,923; re-renewed May 22, 1946. O. G. Oct. 1.
Canned peas and canned corn. Rich-land Canning Corporation. 424,300; Oct. 1; Serial No. 481,804; published July 2, 1946.
Cheese. Purity Cheese Company. 424,301; Oct. 1; Serial No. 482,440; published July 9, 1946.
Cheese and preserved cheese. Alpina Kaese A. G. (Alpina Cheese Co.) 216,843; renewed Aug. 24, 1946. O. G. Oct. 1.
Chocolates, Eating. Geo. Haas & Sons. 213,084; renewed May 18, 1946. O. G. Oct. 1.
Cream of tartar and baking powder. American Stores Company. 219,076; renewed Oct. 12, 1946. O. G. Oct. 1.
Dates, Fresh and candied. Deglet Noor Date Growers Association. 217,712; renewed Sept. 7, 1946. O. G. Oct. 1.
Dessert, Gelatin. General Desserts Corporation. 424,283; Oct. 1; Serial No. 477,650; published July 2, 1946.
Feeds, Animals and poultry. Kellogg Company. 424,282; Oct. 1; Serial No. 477,332; published July 9, 1946.
Flour, Wheat. Perry Mill & Elevator Company. 219,388; renewed Oct. 19, 1946. O. G. Oct. 1.
Food, Poultry. Sperry Flour Co. 217,026; renewed Aug. 24, 1946; O. G. Oct. 1.
Food, Stock. Sperry Flour Company. 219,867; renewed Oct. 26, 1946. O. G. Oct. 1.
Fruits, Fresh Citrous. Colton Fruit Exchange. 219,835; renewed Oct. 26, 1946. O. G. Oct. 1.
Malt sirup, cheese and butter. Aug. Wagner Commission Co. 220,214; renewed Nov. 2, 1946. O. G. Oct. 1.
Meats and a combination of food products, Cut. Libby, McNeill & Libby. 219,395; renewed Oct. 19, 1946. O. G. Oct. 1.
Peanuts, Salted. J. E. Haynes. 424,302; Oct. 1; Serial No. 482,625; published July 2, 1946.
Potatoes. Western Produce Co. 424,318; Oct. 1; Serial No. 486,552; published July 9, 1946.
Potatoes, Fresh Sweet. Richard & Smith. 424,386; Oct. 1; Serial No. 495,407; published July 9, 1946.
Salt, Dietetic. Cosmos International Corporation. 424,384; Oct. 1; Serial No. 495,275; published July 2, 1946.
Sauce, French. L. J. Mosness. 218,569; renewed Sept. 28, 1946. O. G. Oct. 1.
Sauce, tomato catsup, tomato sauce, etc., Barbecue. W. W. Wagner. 424,293; Oct. 1; Serial No. 480,430; published June 9, 1946.
Sirup, Malt. Koffmann & Blumenau. 213,089; renewed May 18, 1946. O. G. Oct. 1.
Tea. Chase & Sanborn. 55,236; re-renewed Aug. 7, 1946. O. G. Oct. 1.
Tea. Chase & Sanborn. 55,664; re-renewed Aug. 21, 1946. O. G. Oct. 1.

CLASS 49

Whiskey. Friedman, Keller & Co. 55,287–8; re-renewed Aug. 14, 1946. O. G. Oct. 1.

CLASS 50

Fabrics, enamelled cloth, artificial leather, etc., Coated. Apex Coated Fabrics Co. Inc. 219,882; renewed Oct. 26, 1946. O. G. Oct. 1.
Loving-cup bases, and rosaries. Bakelite Corporation. 216,529; renewed Aug. 10, 1946. O. G. Oct. 1.
Tents, awnings, paulings, and covers. Tucker Duck & Rubber Co. 219,874; renewed Oct. 26, 1946. O. G. Oct. 1.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Board of Trustees of the Leland Stanford Junior University, The, assignee: *See*—
Hansen, William W., and R. H. and S. F. Varian.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Electrical control system for automatic telephone systems. Re. 22,794; Oct. 1.
Hansen, William W., and R. H. and S. F. Varian, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. High-frequency tube structure. Re. 22,795; Oct. 1.
Husted, Harry A., St. Clair, Mich. Combination fan and eyeshield. Re. 22,796; Oct. 1.
International Standard Electric Corporation, assignee: *See*—
Deakin, Gerald.
Maulsby, Leon K., and J. A. McGrann, San Antonio, Tex.; said McGrann assignor to said Maulsby. Nut cracking machine. Re. 22,797; Oct. 1.
McGrann, John A.: *See*—
Maulsby, Leon K., and McGrann.
Varian, Russell H.: *See*—
Hansen, William W., and R. H. and S. F. Varian.
Varian, Sigurd F.: *See*—
Hansen, William W., and R. H. and S. F. Varian.
Wolcott, Herbert, Columbia, Mo. Toggle fastening means for floating closures. Re. 22,798; Oct. 1.

LIST OF PLANT PATENTEES

Kellogg, R. M., Company, The, assignee: *See*—
Prushek, Emil.
Prushek, Emil, Berrien Springs, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Chrysanthemum plant. 711; Oct. 1.

LIST OF DESIGN PATENTEES

Bach, Alfons, New York, N. Y. Piano. 145,648; Oct. 1.
Bach, Alfons, New York, N. Y. Piano. 145,649; Oct. 1.
Baer, Lena M., Topeka, Kans. Safety razor. 145,650; Oct. 1.
Bennett, Robert M., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Drafting table base. 145,651; Oct. 1.
Berger, Samuel I., Newark, N. J. Toy gun. 145,652; Oct. 1.
Binder, Leo J., Spokane, Wash. Combined coaster and ash tray holder. 145,653; Oct. 1.
Bjorksten, Johan, Chicago, Ill. Laboratory workbench. 145,654; Oct. 1.
Brantz, Louis P., Philadelphia, Pa. Chair cart. 145,655; Oct. 1.
Bunting Glider Company, assignee: *See*—
Roth, Andrew.
Calichio, John J., Forest Hills, N. Y. Letter opener. 145,656; Oct. 1.
Case, Frank P., assignor of one-half to H. A. Gosling, Chicago, Ill. Combined settee and telephone cabinet. 145,657; Oct. 1.
Clark, Clinton B., Oak Park, Ill. Overhead monorail train. 145,658; Oct. 1.
Consolidated Vultee Aircraft Corporation, assignee: *See*—
Sebold, Raymond C.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Covington, James D., Dallas, assignor to Hilltop Manufacturing Company, Cockerell Hill, Tex. Combination desk and seat. 145,659; Oct. 1.
Culler, William H., San Marino, Calif. Tricycle. 145,660; Oct. 1.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,661; Oct. 1.
Diamond, Freda, New York, assignor to Syracuse Ornamental Co., Syracuse, N. Y. Mirror frame or the like. 145,662; Oct. 1.
Frank, Charles H., New Rochelle, N. Y. Rim button. 145,663; Oct. 1.
Gosling, Henry A., assignee: *See*—
Case, Frank P.
Hardy, Charles W., New York, N. Y. Handbag frame. 145,664; Oct. 1.
Hilltop Manufacturing Company, assignee: *See*—
Covington, James D.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,665; Oct. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,666; Oct. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,667; Oct. 1.
Kaylon Incorporated, assignee: *See*—
Langer, Lena.
Kearney, George L., Tuckahoe, N. Y. Cigarette container. 145,668; Oct. 1.
Kraus, Ralph, New York, N. Y. Folding picture frame or similar article. 145,669; Oct. 1.
Kroto, Hans J., Cambridge, Mas. Shoe or similar article. 145,670; Oct. 1.
Langer, Lena, assignor to Kaylon Incorporated, New York, N. Y. Fabric. 145,671; Oct. 1.
Lux Clock Manufacturing Company, Inc., The, assignee: *See*—
Lux, Frederick.
Lux, Frederick, Middlebury, assignor to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn. Alarm clock. 145,672; Oct. 1.
Modern Hygiene, Inc., assignee: *See*—
Stevens, Clifford B.
Ostier, Marianne, New York, N. Y. Watchcase. 145,673; Oct. 1.
Ostier, Marianne, New York, N. Y. Watchcase. 145,674; Oct. 1.
Ostier, Marianne, New York, N. Y. Watchcase. 145,675; Oct. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 145,676; Oct. 1.
Rohner, Ludwig G., New York, N. Y. Tablecloth or similar article. 145,677; Oct. 1.
Roth, Andrew, assignor to Bunting Glider Company, Philadelphia, Pa. Chair. 145,678; Oct. 1.
Seale, Charles E., Jr., and L. W. Stinne, Dallas, Tex. Clothespin. 145,679; Oct. 1.
Sebold, Raymond C., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane. 145,680; Oct. 1.
Stevens, Clifford B., Milwaukee, Wis., assignor to Modern Hygiene, Inc., Boston, Mass. Vacuum cleaner attachment. 145,681; Oct. 1.
Stinne, Leslie W.: *See*—
Seale, Charles E., Jr., and Stinne.
Syracuse Ornamental Co., assignee: *See*—
Diamond, Freda.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Victor Metal Products Corporation, assignee: *See*—
Derham, Philip A.
Walter, Anton, New York, N. Y. Embroidered fabric. 145,682; Oct. 1.
Western Electric Company, Incorporated, assignee: *See*—
Bennett, Robert M.
Yates, George, Glendale, Calif. Jar top wrench. 145,683; Oct. 1.
Ziniti, Evelyn, New York, N. Y. Shoe or similar article. 145,684; Oct. 1.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1st DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbiati, Furio A.: *See*—
Healy, John J., Jr., Taylor, and Abbiati.

Adel Precision Products Corp., assignee: *See*—
Kehle, Ottmar A.
Morehouse, Eugene M.

Aeronautical & Mechanical Investments Limited, assignee: *See*—
Arnot, Alfred.

Agriculture, United States of America, as represented by Secretary of, assignee: *See*—
Gertler, Samuel I.

Air Reduction Company, Incorporated, assignee: *See*—
Van Nuys, Claude C.

Akers, Richard L., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Coupling and steering unit. 2,408,359; Oct. 1.

Akers, Richard L., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Draft coupling and power steering unit. 2,408,360; Oct. 1.

American Broach & Machine Co., assignee: *See*—
Lapointe, Francis J.

American Cyanamid Company, assignee: *See*—
Dudley, James R.

American Dairies Incorporated, assignee, et al.: *See*—
Graham, William R., Jr., Kohler, and Hoover.

American Optical Company, assignee: *See*—
Gradisar, Alvin A.
Osterberg, Harold, Pride, and Heijn.

American Steel Foundries, assignee: *See*—
Kinne, Edmund P.

American Steel and Wire Company of New Jersey, assignee: *See*—
Brickman, Alan E.
Riddle, Harvey W.

American Viscose Corporation, assignee: *See*—
McDermott, Henry J.
Webb, Wesley L.

Arnold, Harold W., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Trichloroethylene copolymers. 2,408,402; Oct. 1.

Arnot, Alfred, Warrington, England, assignor to Aeronautical & Mechanical Investments Limited. Electrically operated distant-control device. 2,408,543; Oct. 1.

Arvey Corporation, assignee: *See*—
Roach, Earl M.

Aschenbrener, Rudolph A., assignor to The Triple Insulaire Company, Milwaukee, Wis. Bowling pin setting indicator. 2,408,592; Oct. 1.

Avison, Anthony W. D., F. Bergel, and J. W. Haworth, assignors to Roche Products Limited, Welwyn Garden City, England. Manufacture of 4-keto-tetrahydrothiophenes. 2,408,519; Oct. 1.

Babson, Henry B., Chicago, and C. A. Thomas, Crystal Lake, Ill., assignors, by mesne assignments, to Losee Products Co. Water heater. 2,408,403; Oct. 1.

Bagan, John P., Portland, assignor of one-third to A. R. Wanasek, Marshfield, Oreg. Rotary tiller. 2,408,361; Oct. 1.

Baker Perkins Limited, assignee: *See*—
Bowker, Harry W.
Palmer, Austin R.

Banner, Joseph, Los Angeles, Calif. Twist drill sharpener. 2,408,544; Oct. 1.

Barber, Katherine, West Los Angeles, Calif. Shoe tree. 2,408,545; Oct. 1.

Barber, Paul M., Aberdeen, S. Dak. Animal trap. 2,408,593; Oct. 1.

Barron-Gray Packing Company, assignee: *See*—
Erickson, Arvid M., and Ryan.

Bartha, Sandor B., assignor to M. Galman, Philadelphia, Pa., trading as Imperial Lamp and Shade Company. Lamp shade and making the same. 2,408,594; Oct. 1.

Batcheider, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Compressional wave transmitting and receiving apparatus. 2,408,404; Oct. 1.

Beale, Evelyn S. L., Staines, assignor to Alan Muntz & Company Limited, Hounslow, England. Oscillating fluid-displacing machines operating in parallel. 2,408,362; Oct. 1.

Beard, Chares L., Lancaster, Pa. Point marker. 2,408,595; Oct. 1.

Beckman, Charles E., and E. B. Dodds, Chicago, Ill., assignors to Better Packages, Inc., Shelton, Conn. Electrically controlled strip serving machine. 2,408,363; Oct. 1.

Bednar, Joseph J., and S. P. Peck, McKeesport, Pa., assignor to National Tube Company. Forming cylinder ends. 2,408,596; Oct. 1.

Belar, Herbert: *See*—
Sinnett, Chester M., and Belar.

Bell & Howell Company, The, assignee: *See*—
Brueske, George A.

Bell, Joseph D., San Francisco, Calif. Mechanical movement. 2,408,546; Oct. 1.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bowen, Arnold E.
Clark, John W.
Hartley, Ralph V. L.
Maloney, Martin E.
Maithaner, William A.
Mason, Warren P.
McRae, James W.
Wise, Raymond O.

Belling, Theodore H., Barrington, R. I., assignor to Fram Corporation. Exercising device. 2,408,597; Oct. 1.

Belmont Radio Corporation, assignee: *See*—
Huff, John W.

Beltz, Lester L., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,408,598; Oct. 1.

Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Ralston, James V.

Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,408,405; Oct. 1.

Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,408,406; Oct. 1.

Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. High-frequency apparatus. 2,408,407; Oct. 1.

Bennett, Daniel A., and A. R. Maier, Oil City, Pa., assignors to Oil Well Supply Company. Rotary drilling unit. 2,408,364; Oct. 1.

Bennett, Edward H., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Article transfer mechanism. 2,408,599; Oct. 1.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Cracking process. 2,408,600; Oct. 1.

Bergel, Franz: *See*—
Avison, Anthony W. D., Bergel, and Haworth.

Bergstein, Frank D., trustee, assignee, et al.: *See*—
Bergstein, Samuel.

Bergstein, Robert M., trustee, assignee, et al.: *See*—
Bergstein, Samuel.

Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, trustees. Coating webs. 2,408,504; Oct. 1.

Bertschinger, Frederick E., assignor to Standard Cabinet Works, Inc., Los Angeles, Calif. Coupling. 2,408,547; Oct. 1.

Better Packages, Inc., assignee: *See*—
Beckman, Charles E., and Dodds.

Biehl, Fred, and E. O. Thompson, Peshtigo, Wis; said Biehl assignor to said Thompson. Self-locking gearing. 2,408,365; Oct. 1.

Blauvelt, Benjamin, Paterson, N. J. Work illuminating tool. 2,408,601; Oct. 1.

Bloch, Herman S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of normally liquid hydrocarbons. 2,408,548; Oct. 1.

Bocjl Corporation, assignee: *See*—
Lang, Joseph C.

Bock, Ashley P., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High voltage, high power concentric transmission line. 2,408,408; Oct. 1.

Boes, Floyd M., assignee: *See*—
Morris, Thomas L.

Borg-Warner Corporation, assignee: *See*—
Nutt, Harold.

Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency electronic device. 2,408,409; Oct. 1.

Bowker, Harry Whalley, assignor to Baker Perkins Limited, Peterborough, England. Dough dividing machine. 2,408,602; Oct. 1.

Boyer, Hugh N., near Canfield, Ohio. Toggle bolt. 2,408,366; Oct. 1.

Braithwaite, Robert C., and K. Wilcox, Manchester, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Mechanical relay of the fluid jet. 2,408,603; Oct. 1.

Brandon, Clarence W., Newport, and G. M. Brandon, Tallahassee, Fla. Receptacle for fluids. 2,408,505; Oct. 1.

Brandon, George M.: *See*—
Brandon, Clarence W. and G. M.

Brennan, Joseph B., assignee: *See*—
Moynihan, John J.

Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Torpedo net. 2,408,367; Oct. 1.

Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Wire reinforced fabric. 2,408,368; Oct. 1.

Brickson, Thomas B., Hollywood, assignor to A. R. Brooks, Los Angeles, Calif. Crutch. 2,408,604; Oct. 1.

Briskin, Theodore S., J. C. Zivny, A. E. Schellschmidt, and J. J. Golick, assignors to Excel Auto Radiator Company, Chicago, Ill. Reversible clutch. 2,408,506; Oct. 1.

British Oxygen Company Limited, The, assignee: *See*—
Watts, Sidney S.

Brongersma, Cornelius, Muskegon Heights, assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Motor control. 2,408,369; Oct. 1.

Brookes, Charles F., Toronto, Ontario, Canada. Fuel heater for internal-combustion engines. 2,408,605; Oct. 1.

Brooks, Al R., assignee: *See*—
Brickson, Thomas B.

Brown, Clifford C., Clinton, Ohio. Steering drive mechanism for driven wheels. 2,408,507; Oct. 1.

Brueske, George A., Wayzata, Minn., assignor to The Bell & Howell Company, Chicago, Ill. Photographic camera. 2,408,549; Oct. 1.

Bruker, Hobart W., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Siphon mechanism for heated rolls. 2,408,606; Oct. 1.

Bruner-Ritter, Inc., assignee: *See*—
Mauch, Willy.

Buckley, Gerard D., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of nitro compounds. 2,408,607; Oct. 1.

Buda Company, The, assignee: *See*—
Guerasimoff, Constantine N.

Burrill, Charles M., Princeton, N. J., assignor to Radio Corporation of America. Automatic tuning system for radio receivers. 2,408,370; Oct. 1.

Canavan, John P., Neenah, Wis. Nonchafing catamenial pad. 2,408,508; Oct. 1.

Capanoli, David M., Hibbing, Minn., now by judicial change of name D. M. Cappan. Cowling for airplanes. 2,408,371; Oct. 1.

Cappan, David M.: *See*—
Capanoli, David M.

Casablancas High Draft Company Limited, assignee: *See*—
Noguera, Joseph.

Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinated resins. 2,408,608; Oct. 1.

Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resins of high chlorine content. 2,408,609; Oct. 1.

Cavanagh, John, assignor to Hat Corporation of America, Norwalk, Conn. Fabric hat and making the same. 2,408,610; Oct. 1.

Celanese Corporation of America, assignee: *See*—
Dodge, Frederick G.

Celotex Corporation, The, assignee: *See*—
Sorensen, Louis N.

Chase, Jesse D., Kansas City, Mo. Ladder extension. 2,408,372; Oct. 1.

Chatelain, Oscar: *See*—
Derungs, Ernest A., and Chatelain.

Cherry Rivet Company, assignee: *See*—
Keating, Herbert J.

Chu, Lan J., Brookline, Mass., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of War. Antenna. 2,408,373; Oct. 1.

Clapsadle, Leo J., J. C. Kratzer, Kenmore, and E. E. Sommer, Larchmont, N. Y., assignors to The Linde Air Products Company. Cooling system for internal-combustion engines. 2,408,374; Oct. 1.

Clark, John W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency converter. 2,408,410; Oct. 1.

Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,408,509; Oct. 1.

Collins, Clarence P., Titusville, Pa. Magnetic motor. 2,408,375; Oct. 1.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Flood, Edmund L.

Cooke, William T.: *See*—
Jenks, Frederic A., Folland, Maeder, and Cooke.

Craig, Charles C., Morrill, Nebr. Automobile jack. 2,408,376; Oct. 1.

Crane, Theodore D., Council Bluffs, Iowa. Bed service set. 2,408,550; Oct. 1.

Crown Cork & Seal Company, Inc., assignee: *See*—
Lauve, Louis L.
Rau, Harry A.

Crown Zellerbach Corporation, assignee: *See*—
Harris, Jesse A.

Curry, Robert S., Jr., Baldwin, N. Y., assignor to Sperry Gyroscope Company, Inc. Erecting means for gyro vertical instruments. 2,408,411; Oct. 1.

Cutler-Hammer, Inc., assignee: *See*—
Wirtzmann, Alex A.

Dangelmajer, Charles, Nutley, assignor to Resistoflex Corporation, Belleville, N. J. Polyvinyl alcohol composition. 2,408,377; Oct. 1.

Davenport, James E., and L. J. Quinn, Richmond, Calif.; said Quinn assignor to said Davenport. Stabilizer attachment for cranes. 2,408,378; Oct. 1.

Davidoff, Isidore, assignee: *See*—
McClure, Chauncy H.

Dawson, Albert, Tarentum, Pa. Holder for containers. 2,408,611; Oct. 1.

Day, Luther F., Hawthorne, Calif., assignor to North American Aviation, Inc. Press. 2,408,379; Oct. 1.

Dennis, Luther D., Comanche, Okla., assignor, by mesne assignments, to Portable Elevator Mfg. Co., Bloomington, Ill. Bottle dispensing apparatus. 2,408,380; Oct. 1.

Derungs, Ernest A., and O. Chatelain, Le Locle, Switzerland. Escapement adjusting device. 2,408,612; Oct. 1.

Designers for Industry, Inc., assignee: *See*—
Lee, Asa R.

Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Electrical system. 2,408,613; Oct. 1.

Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Surface coating apparatus. 2,408,614; Oct. 1.

Distillation Products, Inc., assignee: *See*—
Hickman, Kenneth C. D.

Dobbins, Horace M., Pasadena, Calif. Propulsion and stabilization of watercraft and the like. 2,408,412; Oct. 1.

Dodds, Earl B.: *See*—
Beckman, Charles E., and Dodds.

Dodge, Frederick G., La Vale, Md., assignor to Celanese Corporation of America. Resilient filaments. 2,408,381; Oct. 1.

Doherty, William H., Elmhurst, N. Y. Supporting frame for articles of footwear. 2,408,413; Oct. 1.

Donaldson, Charles A., Del Rio, Tex. Absolute altimeter. 2,408,414; Oct. 1.

Donaldson, Charles A., Del Rio, Tex. Distance gauging and like apparatus. 2,408,415; Oct. 1.

Draper Corporation, assignee: *See*—
Hamilton, Wallace.

Dubick, Michael, assignor to The Englander Company, Inc., Chicago, Ill. Mattress. 2,408,382; Oct. 1.

Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Cation exchange resins and production thereof. 2,408,615; Oct. 1.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Arnold, Harold W.
Cass, Oliver W.
Edgar, Donald E., and Sullivan.
Gilbert, Harvey N.
Iler, Ralph K., and Kirk.
Johnston, Frederick L.
Kirk, Joseph S.
Tauch, Ernest J.

Eaton Manufacturing Company, assignee: *See*—
Witchger, Eugene S.

Edgar, Donald E., Westport, and D. J. Sullivan, Fairfield, Conn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Semiconducting composition. 2,408,416; Oct. 1.

Eldredge, Elmer E., Plymouth, Wis., assignor to Kraft Foods Company. Packaging. 2,408,616; Oct. 1.

Ellenbogen, William C., York, Pa. Tanning agents and treating hides and skins therewith. 2,408,417; Oct. 1.

Englander Company, Inc., The, assignee: *See*—
Dubick, Michael.

Erickson, Arvid M., San Jose, and J. D. Ryan, Campbell, assignors to Barron-Gray Packing Company, San Jose, Calif. Fruit treatment. 2,408,418; Oct. 1.

Evans, John, Palmyra, N. J., assignor to Radio Corporation of America. Electric discharge device. 2,408,383; Oct. 1.

Excel Auto Radiator Company, assignee: *See*—
Briskin, Theodore S., Zivny, Schellschmidt, and Golick.

Farrell, Robert W., New York, N. Y. Film viewing device. 2,408,384; Oct. 1.

Feldmann, Fred F., San Jose, Calif. Nut cracking machine. 2,408,510; Oct. 1.

Ferrar, Bernard, Chicago, Ill. Foot appliance. 2,408,617; Oct. 1.

Fielding, David T. E., Middleton Junction, England. Machine for grinding drills and similar tools. 2,408,618; Oct. 1.

Flood, Edmund L., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Drill lubricant. 2,408,385; Oct. 1.

Folland, Donald F.: *See*—
Jenks, Frederic A., Folland, Maeder, and Cooke.

Foster, James L., Wichita Falls, Tex. Well explosive device. 2,408,419; Oct. 1.

Fram Corporation, assignee: *See*—
Beiling, Theodore H.

Frank, Louis, Fellows, Calif. Self-latching electric plug. 2,408,551; Oct. 1.

Friedlander, Erwin F., assignor to O. & F. Company Proprietary Limited, Hobart, Tasmania, Australia. Arc welding electrodes. 2,408,619; Oct. 1.

Friedlander, Erwin F., assignor to O. & F. Company Proprietary Limited, Hobart, Tasmania, Australia. Arc welding electrodes. 2,408,620; Oct. 1.

Froelich, Herman C., Cleveland, Ohio, assignor to General Electric Company. Phosphors and their stabilization. 2,408,621; Oct. 1.

Fuller, Frederick L., deceased, West Orange, by S. B. Harrison, East Orange, N. J., and J. G. Phillips, executors, assignors to International Business Machines Corporation, New York, N. Y. Printing machine. 2,408,622; Oct. 1.

Fulton Company, The, assignee: *See*—
Riemann, Howard C., and Thorp.

Furry, John F., assignor to Outboard, Marine & Manufacturing Company, Galesburg, Ill. Engine and engine cooling method. 2,408,386; Oct. 1.

Gallant, Charles J.: *See*—
Gilium, Donald E., and Gallant.

Galman, Max, assignee: *See*—
Bartha, Sandor B.

Gammeter, John R., Akron, Ohio. Ball-winding machine. 2,408,552; Oct. 1.

Gay, Harry S., Mount Gay, and T. V. Maynard, Williamson, W. Va. Timber setting machine. 2,408,387; Oct. 1.

General Aniline & Film Corporation, assignee: *See*—
Grimmel, Harry W., and Guenther.
Guenther, Alfred, and Morgan.

General Electric Company, assignee: *See*—
Froelich, Herman C.
Lyon, Kenneth C.
Malloy, John J.
Merrill, George S.
Nickle, Clifford A.
Noel, Edward B., and Seitz.
Sprung, Murray M.
Townsend, Mark A.

General Motors Corporation, assignee: *See*—
Clark, Kendall.

George, Harry F., Chicago, Ill. Steering wheel. 2,408,388; Oct. 1.

Gertler, Samuel I., Washington, D. C., assignor to United States of America, as represented by Secretary of Agriculture. N,N-diethylbenzamide as an insect repellent. 2,408,389; Oct. 1.

Gessler, Frederick A., assignor, by mesne assignments, to Globe Milker, Inc., Des Moines, Iowa. Teat cup for milking machines. 2,408,390; Oct. 1.

Gibbs, Carlin F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ketone aminoindan condensation product. 2,408,391; Oct. 1.

Gibson Refrigerator Company, assignee: *See*—
Rosebrook, Homer E., and Powell.

Gieskieng, Marion W. and W. A., Denver, Colo. Railway wheel checking device. 2,408,553; Oct. 1.

Gieskieng, William A.: *See*—
Gieskieng, Marion W. and W. A.

Gilbert, Harvey N., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating ferrous metals with molten aluminum. 2,408,623; Oct. 1.

Gilium, Donald E., Hermosa Beach, and C. J. Gallant, Brentwood Heights, assignors to North American Aviation, Inc., Inglewood, Calif. Vibrometer. 2,408,392; Oct. 1.

Ginger-Cola Dispenser, Inc., assignee: *See*—
Lloyd, Charles W.

Ginzton, Edward L., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Frequency multiplier. 2,408,420; Oct. 1.

Gits, Joseph A. and J. P., Chicago, Ill. Flashlight. 2,408,393; Oct. 1.

Gits, Jules P.: *See*—
Gits, Joseph A. and J. P.

Globe Milker, Inc., assignee: *See*—
Gessler, Frederick A.

Goepfrich, George A., South Bend, Ind. Gun charger. 2,408,624; Oct. 1.

Golick, Julian J.: *See*—
Briskin, Theodore S., Zivny, Schellschmidt, and Golick.

Goodrich, B. F., Company, The, assignee: *See*—
Gibbs, Carlin F.
Krotz, Alvin S.

Gothard, Thomas J., Los Angeles, Calif. Fog nozzle. 2,408,511; Oct. 1.

Gradisar, Alvin A., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Device for forming slits. 2,408,512; Oct. 1.

Graham, William R., Jr., Kansas City, G. O. Kohler, Mission, Kans., and R. D. Hoover, assignors to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Separating chlorophyll from vitamins and other fat soluble materials. 2,408,625; Oct. 1.

Green, Lee B., Lakewood, Ohio. Protecting originative matter. 2,408,626; Oct. 1.

Green, Lee B., Lakewood, Ohio. Apparatus for extruding. 2,408,627; Oct. 1.

Green, Lee B., Lakewood, Ohio. Rail fastening. 2,408,628; Oct. 1.

Green, Lee B., Lakewood, Ohio. Molding apparatus and method. 2,408,629; Oct. 1.

Green, Lee B., Lakewood, Ohio. Apparatus for molding plastic material. 2,408,630; Oct. 1.

Greenfield, Max, Brooklyn, N. Y. Bow tie device. 2,408,631; Oct. 1.

Griffith, Alan A., assignor to Rolls-Royce Limited, Derby, England. Fluid-solid contact surface. 2,408,632; Oct. 1.

Grimmel, Harry W., Easton, and A. Guenther, Riegelsville, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Water insoluble azo dyestuffs containing an n-morpholino-arylide group. 2,408,421; Oct. 1.

Guenther, Alfred: *See*—
Grimmel, Harry W., and Guenther.

Guenther, Alfred, Riegelsville, Pa., and J. F. Morgan, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Production of substituted quinazolones from organic phosphazo compounds. 2,408,633; Oct. 1.

Guerasimoff, Constantine N., assignor to The Buda Company, Harvey, Ill. Diesel engine and operating same. 2,408,394; Oct. 1.

Gunderson, Ralph R., Chicago, Ill. Fluid pressure producing device. 2,408,513; Oct. 1.

Hagen, Harry W., Decatur, Ill. Bottle closure to render bottles nonrefillable. 2,408,634; Oct. 1.

Haight, John L., Jr., Fort Worth, Tex. Internal-combustion engine. 2,408,554; Oct. 1.

Hall, John M., New York, N. Y. Ice air conditioning system. 2,408,635; Oct. 1.

Hamilton, Wallace, Albany, N. Y., assignor to Draper Corporation, Hopedale, Mass. Picker stick checking mechanism. 2,408,636; Oct. 1.

Harris, Jesse A., West Linn, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Preparing and applying a patch for a fourdrinier wire. 2,408,422; Oct. 1.

Harrison, Schuyler B., executor, et al.: *See*—
Fuller, Frederick L.

Hart, Edward, San Marino, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Double-casing high-pressure pump. 2,408,637; Oct. 1.

Hart, Geo. B., Inc., assignee: *See*—
Hart, Richard C.

Hart, Richard C., Fairport, assignor to Geo. B. Hart, Inc., Rochester, N. Y. Greenhouse roof bar cleaning brush. 2,408,555; Oct. 1.

Harter, C. B., assignee et al.: *See*—
Howard, Posy A.

Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High frequency amplifying apparatus. 2,408,423; Oct. 1.

Hasenwinkle, Carl A., Bison, S. Dak. Safety plug-in connector. 2,408,556; Oct. 1.

Hat Corporation of America, assignee: *See*—
Cavanagh, John.

Haux, Elmer H., Baltimore, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. High capillarity bristle. 2,408,718; Oct. 1.

Haworth, John W.: *See*—
Avison, Anthony W. D., Bergel, and Haworth.

Hays, James B., Jr., Summit, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Object locating system. 2,408,395; Oct. 1.

Hazelett, Clarence W., Greenwich, Conn. Metalworking process and apparatus. 2,408,514; Oct. 1.

Healy, John J., Jr., Brookline, M. H. Taylor, Stoneham, and F. A. Abbiati, Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Pickling steels. 2,408,424; Oct. 1.

Hedgecock, Stanley, Wood Green, assignor to Laystall Engineering Company Limited, London, England. Apparatus for controlling power transmission systems. 2,408,638; Oct. 1.

Heijn, Paul C.: *See*—
Osterberg, Harold, Pride, and Heijn.

Helders, Richard C.: *See*—
King, Edward F.

Hemphill Company, assignee: *See*—
Smith, Norman H.

Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation process and apparatus. 2,408,639; Oct. 1.

Hilton, Charles G., Amarillo, Tex. Combined bootjack and boot hook. 2,408,640; Oct. 1.

Hitchcock, Stanley I., assignor to Tropical Plantations Limited, London, England. Dynamoelectric machine. 2,408,641; Oct. 1.

Hockery, John C., assignee, et al.: *See*—
Talge, Henry J., and Landry.

Hoffmann-La Roche Inc., assignee: *See*—
Karrer, Paul.

Hoover, Richard D.: *See*—
Graham, William R., Jr., Kohler, and Hoover.

Hopkins, Arthur G., Maspeth, Long Island, N. Y. Tin depositing process. 2,408,515; Oct. 1.

Hoppe, Bernard, and C. J. Smithells, assignors to Lodge Plugs Limited, Rugby, England. Sparking plug. 2,408,642; Oct. 1.

Horsley, George F., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Activating catalysts. 2,408,296; Oct. 1.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Marking machine. 2,408,516; Oct. 1.

Howard, Carroll: *See*—
Miller, Robert A., and Howard.

Howard, Posy A., assignor of one-half to C. A. Mathey and one-half to C. B. Harter, Tulsa, Okla. Pipe-cutting apparatus. 2,408,517; Oct. 1.

Hoy, Joseph A., Hialeah, Fla. Safety flashlight for pedestrians and bicycle riders. 2,408,643; Oct. 1.

Huff, John W., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Combined amplitude-modulation and frequency-modulation receiver stage. 2,408,644; Oct. 1.

Hunt, John O., assignor to Mountain City Foundry and Machine Co., Greenville, S. C. Loom. 2,408,645; Oct. 1.

Huntington, Glen H., Denver, Colo. Sheet metal roofing. 2,408,557; Oct. 1.

Huntley, James R., Hicksville, N. Y. Machine tool. 2,408,646; Oct. 1.

Huntsicker, Harry N., Evanston, and C. R. Norman, Jr., assignors to United States Gypsum Company, Chicago, Ill. Manufacture of hydrated lime. 2,408,647; Oct. 1.

Hutchison, Frank E., Houston, Tex. Mud screen. 2,408,558; Oct. 1.

Iler, Ralph K., Cleveland Heights, and J. S. Kirk, Seven Hills Village, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Silicic acid compositions. 2,408,655; Oct. 1.

Imperial Chemical Industries Limited, assignee: *See*—
Buckley, Gerard D.
Horsley, George F.

Inman, Clark H., Lakewood, N. J. Apparatus for cleaning eggs and the like. 2,408,648; Oct. 1.

Inspiration Consolidated Copper Company, assignee: *See*—
Mason, William C.

International Business Machines Corporation, assignee: *See*—
Dickinson, Arthur H.
Fuller, Frederick L.
King, Benjamin F.
Wilkerson, Victor O.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Seme, John J.

Jackson, Arthur R., Mill Hill, England. Aircraft having moving airfoil or wing. 2,408,649; Oct. 1.

Jarvis, Nathan, assignee, et al.: *See*—
Schonthal, Leopold.

Jeffrey Manufacturing Company, The, assignee: *See*—
Wright, Fred J.

Jenkins Petroleum Process Company, assignee: *See*—
Smith, Arthur D.

Jenks, Frederic A., Mineola, D. F. Folland, Hempstead, A. S. Maeder, Scarsdale, and W. T. Cooke, Huntington, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Instrument landing system. 2,408,425; Oct. 1.

Jennings, George H., Cincinnati, Ohio. Water-resistant shoe. 2,408,650; Oct. 1.

Johnson, C. S., Company, The, assignee: *See*—
Johnson, Charles H.

Johnson, Charles H., assignor to The C. S. Johnson Company, Champaign, Ill. Mixing plant. 2,408,397; Oct. 1.

Johnson, Theodore L., St. Louis, Mo. Multiple extrusion. 2,408,398; Oct. 1.

Johnston, Frederick L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of modified methyl methacrylate compositions. 2,408,426; Oct. 1.

Joy Manufacturing Company, assignee: *See*—
Osgood, Charles F.

Kadenacy, Michel, Summit, N. J. Internal-combustion engine. 2,408,399; Oct. 1.

Kalitinsky, Andrew, Englevillle, assignor to United Aircraft Corporation, East Hartford, Conn. Cylinder construction. 2,408,427; Oct. 1.

Karrer, Paul, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Thiophan-3-one and manufacture of same. 2,408,518; Oct. 1.

Keating, Herbert J., Pasadena, assignor to Cherry Rivet Company, Los Angeles, Calif. Self-setting tubular rivet. 2,408,559; Oct. 1.

Keahn, Warner L., Spokane, Wash. Plate clamp. 2,408,560; Oct. 1.

Keehn, Warner L., Spokane, Wash. Dual axle trailer. 2,408,561; Oct. 1.

Kehle, Ottmar A., West Los Angeles, Calif., assignor to Adel Precision Products Corp. Flow control valve. 2,408,562; Oct. 1.

Kent, Henry, New York, N. Y. Flint alloy. 2,408,400; Oct. 1.

Kiebl, Ralph A., San Diego, Calif. World globe and scale. 2,408,651; Oct. 1.

King, Benjamin F., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Center drill chuck. 2,408,652; Oct. 1.

King, Edward F., Oak Park, assignor of one-half to R. C. Hehlers, Chicago, Ill. Vehicle trailer. 2,408,401; Oct. 1.

Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,408,653; Oct. 1.

Kirk, Joseph S.: *See*—
Iler, Ralph K., and Kirk.

Kirk, Joseph S., Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silicic acid sols. 2,408,654; Oct. 1.

Kirk, Joseph S., Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process for producing silicic acid sols. 2,408,656; Oct. 1.

Kobe, Inc., assignee: *See*—
Mestas, Ricardo.

Kohler, George O.: *See*—
Graham, William R., Jr., Kohler, and Hoover.

Kraft Foods Company, assignee: *See*—
Eldredge, Elmer E.

Krasberg, Rudolf, Chicago, Ill. Hair curler. 2,408,657; Oct. 1.

Kratzer, James C.: *See*—
Clapsadle, Lee J., Dratzer, and Sommer.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Truck for rail vehicles. 2,408,520; Oct. 1.

Kurzweil, Robert, Kew Gardens, assignor to Morey Machinery Co., Inc., Astoria, Long Island, N. Y. Turret lathe headstock. 2,408,658; Oct. 1.

Kuzmitz, Frank V.: *See*—
Pontius, George W., III, Wilson, and Kuzmitz.

La Frenier, John, Detroit, Mich. Suspender. 2,408,464; Oct. 1.

Lamb, Charles G., Elmhurst, Ill. Air filter. 2,408,659; Oct. 1.

Landry, William J.: *See*—
Talge, Henry J., and Landry.

Lang, Joseph C., Pittsburgh, Pa., assignor to Bocji Corporation. Stapling machine and method. 2,408,563; Oct. 1.

Lanuge, Birger A., Rasunda, Sweden. Remote indication system. 2,408,660; Oct. 1.

Lapointe, Francis J., assignor to American Broach & Machine Co., Ann Arbor, Mich. Broaching machine. 2,408,521; Oct. 1.

Lauve, Louis L., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container cap. 2,408,465; Oct. 1.

Laystall Engineering Company Limited, assignee: *See*—
Hedgecock, Stanley.

Lea, Harlan L., Racine, Wis. Attachment for stadium boots. 2,408,564; Oct. 1.

Leaf, Walter B., Denver, Colo. Retarding cinder cutting. 2,408,428; Oct. 1.

Lee, Asa R., assignor to Designers for Industry, Inc., Cleveland, Ohio. Air-speed indicator. 2,408,661; Oct. 1.

Leef, David, Bronx, N. Y. Lamp harp. 2,408,522; Oct. 1.

Le Tourneau, R. G., Inc., assignee: *See*—
Akers, Richard L.
Wyman, Floyd H., and Malik.

Levesque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Presser foot mechanism for sewing machines. 2,408,523; Oct. 1.

Levey, Harold A., assignor to A. C. Patterson, New Orleans, La. Smoke screen composition and developing smoke screens therefrom. 2,408,429; Oct. 1.

Levitt, Benjamin A., Newark, N. J., assignor to A. L. Siegel Co. Inc., New York, N. Y. Rain protective garment. 2,408,662; Oct. 1.

Lewis, William H., Cwmllynfell, Swansea, South Wales. Stud or protector for boots and shoes. 2,408,663; Oct. 1.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Rodman, Frank A.
Simons, John K., and Weaver.
Watkins, George B., and Schafer.

Lieblein, Chaim, Brooklyn, N. Y. Detachable screw-cutting disk and tool shank. 2,408,565; Oct. 1.

Linde Air Products Company, The, assignee: *See*—
Clapsadle, Lee J., Kratzer, and Sommer.

Lloyd, Charles W., assignor to Ginger-Cola Dispenser, Inc., Brooklyn, N. Y. Mixing faucet for beverages. 2,408,664; Oct. 1.

Lodge Plugs Limited, assignee: *See*—
Hoppe, Bernard, and Smithells.

Losey Products Co., assignee: *See*—
Babson, Henry B., and Thomas.

Lovely, Elmer R., Glastonbury, Conn. Chimney top. 2,408,665; Oct. 1.

Lowe, Robert, assignee: *See*—
McFarlane, Arthur B.

Lowey, Francis J., Bay Village, and C. H. Tower, assignors to The S. K. Wellman Company, Cleveland, Ohio. Friction composition product. 2,408,430; Oct. 1.

Lutes, Oakley D., Jackson, Mich., assignor to Seiden Pneumatic Tool Company. Blind riveting apparatus. 2,408,431; Oct. 1.

Lyon, Kenneth C., Millville, N. J., assignor to General Electric Company. Glass composition. 2,408,468; Oct. 1.

Lyons, Ellis C., Boulder City, Nev., assignor, by mesne assignments, to Reconstruction Finance Corporation. Melting magnesium metal and the like. 2,408,466; Oct. 1.

Lyons, Ellis C., Boulder City, Nev., assignor, by mesne assignments, to Reconstruction Finance Corporation. Conditioning molten metal. 2,408,467; Oct. 1.

Maeder, Abbott S.: *See*—
Jenks, Frederic A., Folland, Maeder, and Cooke.

Maier, August R.: *See*—
Bennett, Daniel A., and Maier.

Malik, Joseph M.: *See*—
Wymann, Floyd H., and Malik.

Mallard, Logan L., Norfolk, Va. Antifriction gearing. 2,408,666; Oct. 1.

Mallory, Marion, Detroit, Mich. Free-wheeling device for automotive vehicles. 2,408,566; Oct. 1.

Malloy, John J., Cleveland Heights, Ohio, assignor to General Electric Company. Multiflash lamp device. 2,408,469; Oct. 1.

Maloney, Martin E., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,408,432; Oct. 1.

Malthaner, William A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,408,433; Oct. 1.

Mann, Julius W., and G. F. Russell, Tacoma, Wash. Method and apparatus for drying materials uniformly throughout their mass. 2,408,434; Oct. 1.

Manning, Maxwell & Moore, Inc., assignee: *See*—
Brongersma, Cornelius.

Martin, Philip, Camarillo, Calif. Thermostat controlled alarm. 2,408,667; Oct. 1.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pipe antenna and prism. 2,408,435; Oct. 1.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex compressional wave system. 2,408,436; Oct. 1.

Mason, William C., Inspiration, Ariz., assignor to Inspiration Consolidated Copper Company. Electrolysis of copper. 2,408,668; Oct. 1.

Mathey, C. A., assignee, et al.: *See*—
Howard, Posy A.

Mattson, Leslie N., Paulsboro, N. J. Combination switch and light control for floor lamps. 2,408,669; Oct. 1.

Mauch, Willy, Bridgeport, Conn., assignor to Burner-Ritter, Inc., New York, N. Y. Tool holder. 2,408,567; Oct. 1.

Maynard, Thomas V.: *See*—
Gay, Harry S., and Maynard.

McBee Company, The, assignee: *See*—
Welk, Nelson S.

McClure, Chauncey H., assignor of one-half to I. Davidoff, Milwaukee, Wis. Low voltage flasher. 2,408,568; Oct. 1.

McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning bucket assembly. 2,408,670; Oct. 1.

McFarlane, Arthur B., Harrow, assignor of one half to R. Lowe, Bexley Heath, England. Earth moving machine. 2,408,671; Oct. 1.

McRae, James W., Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic generating system. 2,408,437; Oct. 1.

Mead, Charles M., Los Angeles, Calif. Shirt collar holder. 2,408,569; Oct. 1.

Mennesson, Marcel, assignor to Societe Anonyme Pour La Construction de Materiel Automobile (S. A. C. M. A.), Neuilly-sur-Seine (Seine) France. Apparatus for measuring or checking transverse dimensions. 2,408,672; Oct. 1.

Merrill, George S., Cleveland, Ohio, assignor to General Electric Company. Illuminating apparatus. 2,408,471; Oct. 1.

Mestas, Ricardo, Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Electric gauge. 2,408,524; Oct. 1.

Metals and Controls Corporation, assignee: *See*—
Moorhead, John O.

Metropolitan-Vickers Electrical Company, Limited, assignee: *See*—
Braithwaite, Robert C., and Wilcox.
Todd, Keith W.

Michael, Leonard U., Montreal, Quebec, Canada. Turndown shirt collar. 2,408,570; Oct. 1.

Miller, Joseph: *See*—
Newman, Edwin B., and Miller.

Miller, Robert A., Tarentum, and C. Howard, Rochester, Pa., assignors to Pittsburgh Plate Glass Company. Folding door. 2,408,525; Oct. 1.

Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Film cleaning device. 2,408,438; Oct. 1.

Mills Novelty Company, assignee: *See*—
Mills, Bert E.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Sparrow, Hubert T.

Minton, Gerald Z., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass supporting skeleton mold. 2,408,526; Oct. 1.

Mitchell, Hubert L., Houston, Tex. Navigational computing instrument. 2,408,571; Oct. 1.

Monsanto Chemical Company, assignee: *See*—
Healy, John J., Jr., Taylor, and Abbiati.
Seymour, Raymond B.

Monson, Louis T., Alhambra, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Reducing or preventing foam. 2,408,527; Oct. 1.

Moorhead, John O., assignor to Metals and Controls Corporation, Attleboro, Mass. Gas burner system. 2,408,673; Oct. 1.

Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Wire or conduit clip. 2,408,572; Oct. 1.

Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Sheet metal nut. 2,408,573; Oct. 1.

Morey Machinery Co., Inc., assignee: *See*—
Kurzwell, Robert.

Morgan, Jack F.: *See*—
Guenther, Alfred, and Morgan.

Morris, Thomas L., Van Nuys, assignor of one-half to F. M. Boes, North Hollywood, Calif. Hydraulic transmission. 2,408,574; Oct. 1.

Mountain City Foundry and Machine Co., assignee: *See*—
Hunt, John O.

Moynihan, John J., Boston, Mass, assignor of one-half to J. B. Brennan, Cleveland, Ohio. Electrical system for the control of mechanical devices. 2,408,472; Oct. 1.

Muehlhofer, Richard, Mountainside, N. J. Apparatus for carbonating liquids. 2,408,439; Oct. 1.

Muntz, Alan, & Company Limited, assignee: *See*—
Beale, Evelyn S. L.

Nassour, Edward, Los Angeles, Calif. Race recording system. 2,408,528; Oct. 1.

National Tube Company, assignee: *See*—
Bednar, Joseph J., and Peck.

Nelson, Clarence P., Chicago, Ill. Dust seal for adjoining railroad cars. 2,408,473; Oct. 1.

Newman, Edwin B., and J. Miller, Cambridge, Mass. Noise shield for transmitter mouth-pieces. 2,408,474; Oct. 1.

Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Fluorescent zinc oxide. 2,408,475; Oct. 1.

Noel, Edward B., Cleveland Heights, and A. W. Seitz, Euclid, Ohio, assignors to General Electric Company. Multiflash lamp device. 2,408,470; Oct. 1.

Noguera, Joseph, Prestwich, Manchester, assignor to Casablancas High Draft Company Limited, Manchester, England. Bobbin holder. 2,408,674; Oct. 1.

Norman, Charles R., Jr.: *See*—
Huntzicker, Harry N., and Norman.

Norman, George, assignor to Spalding Knitting Mills, Griffin, Ga. Seamless stocking. 2,408,440; Oct. 1.

North American Aviation, Inc., assignee: *See*—
Day, Luther F.
Gillum, Donald E., and Gallant.

Norton, Orlo C., Erie, Pa. Blower for handling desiccated material. 2,408,675; Oct. 1.

Norvig, Axel, Brooklyn, Conn. Garment for animals. 2,408,575; Oct. 1.

Novick, William, Brooklyn, N. Y. Soap holding brush. 2,408,676; Oct. 1.

NuTone, Incorporated, assignee: *See*—
Waltman, Chauncey E.

Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,408,441; Oct. 1.

O. & F. Company Proprietary Limited, assignee: *See*—
Friedlander, Erwin F.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electricity conductor unit. 2,408,442; Oct. 1.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Adapter unit for electric wiring systems. 2,408,443; Oct. 1.

Oil Well Supply Company, assignee: *See*—
Bennett, Daniel A., and Maier.

Osgood, Charles F., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,408,476; Oct. 1.

Ost, Clarence S., Atlantic City, N. J. Apparatus for integrating radiant energy. 2,408,576; Oct. 1.

Osterberg, Harold, G. E. Pride, and P. C. Heijn, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Apparatus for treating articles. 2,408,529; Oct. 1.

Outboard Marine & Manufacturing Company, assignee: *See*—
Furry, John F.

Owen, William, Pittsburgh, and I. G. Peck, Ford City, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for cutting prisms. 2,408,530; Oct. 1.

Owens-Illinois Glass Company, assignee: *See*—
Bennett, Edward H.

Owner, Frank M., Bristol, assignor, by mesne assignments, to Rotol Limited, Gloucester, England. Propeller spinner. 2,408,677; Oct. 1.

Pacific Can Company, assignee: *See*—
Russell, George M.

Packard Motor Car Company, assignee: *See*—
Beltz, Lester L.

Paley, Harry, New York, N. Y. Toy holster for guns. 2,408,678; Oct. 1.

Palmer, Austin R., assignor to Baker Perkins Limited, Peterborough, England. Dough dividing machine. 2,408,679; Oct. 1.

Parke, Davis & Company, assignee: *See*—
Smith, Harry P.

Patterson, Alonzo C., assignee: *See*—
Levey, Harold A.

Pava, Jack R., assignor of one-half to D. F. Pincock, Santa Barbara, Calif. Plaster bandage machine. 2,408,577; Oct. 1.

Payne, Frank U., Farner, Tenn. Bottle dispensing refrigerator. 2,408,444; Oct. 1.

Payne, Robert T., Upland, Calif. Poultry feeder. 2,408,477; Oct. 1.

Pearson, Swan A., Chicago, Ill. Combustion control apparatus. 2,408,445; Oct. 1.

Peck, Ivan G.: *See*—
Owen, William, and Peck.

Peck, Steven P.: *See*—
Bednar, Joseph J., and Peck.

Penton, Joseph T., Pasadena, Calif. Stencilling. 2,408,578; Oct. 1.

Petrolite Corporation, Ltd., assignee: *See*—
Monson, Louis T.

Petty, Oliver S., San Antonio, Tex. Seismic apparatus and method. 2,408,478; Oct. 1.

Philco Corporation, assignee: *See*—
van Doren, Harold.

Phillips, John G., executor, et al.: *See*—
Fuller, Frederick L.

Pierce, John B., Foundation, assignee: *See*—
O'Brien, Joseph F.

Pincock, Douglas F., assignee: *See*—
Pava, Jack R.

Pittsburgh Plate Glass Company, assignee: *See*—
Haux, Elmer H.
Miller, Robert A., and Howard.
Minton, Gerald Z.
Owen, William, and Peck.

Placette, Theodore, assignee: *See*—
Tweedle, Charles E.

Pontius, George W., III, South Bend, Ind. Charger valve. 2,408,680; Oct. 1.

Pontius, George W., III. A. P. Wilson, and F. V. Kuzmitz, South Bend, Ind. Gun turret sighting compensation system. 2,408,681; Oct. 1.

Pooler, George H., Marietta, Ohio. Roundabout. 2,408,479; Oct. 1.

Portable Elevator Mfg. Co.: *See*—
Dennis, Luther D.

Porter, Charles A., Nutley, assignor to Resistoflex Corporation, Belleville, N. J. Adhering of polyvinyl alcohol compositions to other materials. 2,408,682; Oct. 1.

Powell, Herschel F.: *See*—
Rosebrook, Homer E., and Powell.

Price, Peter R., Bristol, assignor, by mesne assignments, to Rotol Limited, Gloucester, England. Speed-control and synchronizing device. 2,408,683; Oct. 1.

Pride, Gilbert E.: *See*—
Osterberg, Harold, Pride, and Heijn.

Quaker Oats Company, The, assignee, et al.: *See*—
Graham, William R., Kohler, and Hoover.

Quinn, Leonard J.: *See*—
Davenport, James E., and Quinn.

Radio Corporation of America, assignee: *See*—
Burrill, Charles M.
Dimmick, Glenn L.
Evans, John.
Roberts, Walter van B.
Shore, Henry.
Sinnett, Chester M., and Belar.
Smith, Perry C.
Sziklai, George C.

Radio Electronics Limited, assignee: *See*—
Van den Bosch, Francois J. G.

Ralston, James V., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Control mechanism. 2,408,446; Oct. 1.

Randrup, Benjamin F., Brisbane, Calif. Foldable boat. 2,408,579; Oct. 1.

Rau, Harry A., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for sealing containers. 2,408,447; Oct. 1.

Read, Davis, Jr., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion process. 2,408,580; Oct. 1.

Reconstruction Finance Corporation, assignee: *See*—
Lyons, Ellis C.

Reid, John G., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Evaporator for low-pressure refrigerants. 2,408,480; Oct. 1.

Reid, Willard, New York, N. Y. Cigarette conditioner. 2,408,481; Oct. 1.

Republic Flow Meters Company, assignee: *See*—
Rosenberger, Albert J.

Resistoflex Corporation, assignee: *See*—
Dangelmajer, Charles.
Porter, Charles A.

Riddle, Harvey W., Branford, Conn., assignor to The American Steel and Wire Company of New Jersey. Torpedo net. 2,408,482; Oct. 1.

Riemann, Howard C., West Milwaukee, and J. R. Thorp, assignors to The Fulton Company, West Allis, Wis. Trailer hitch. 2,408,531; Oct. 1.

Rifkin, Milton, Denver, Colo. Self-serve automatic registering device. 2,408,581; Oct. 1.

Rival Manufacturing Company, assignee: *See*—
Talge, Henry J., and Landry.

Roach, Earl M., assignor to Arvey Corporation, Chicago, Ill. Collapsible framed display. 2,408,532; Oct. 1.

Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Frequency-variable oscillator circuit. 2,408,684; Oct. 1.

Robertson, P. L., Mfg. Co., Limited, assignee: *See*—
Rush, John A.

Roche Products Limited, assignee: *See*—
Avison, Anthony W. D., Bergel, and Haworth.

Rodman, Frank A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass structure. 2,408,483; Oct. 1.

Rolls-Royce Limited, assignee: *See*—
Griffith, Alan A.

Rosebrook, Homer E., and H. F. Powell, assignors, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Refrigerator. 2,408,582; Oct. 1.

Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Pressure responsive measuring instrument. 2,408,685; Oct. 1.

Rossman, Allen M., Wilmette, Ill. Two-cycle engine. 2,408,448; Oct. 1.

Roth, Eugene, assignee, et al.: *See*—
Schonthal, Leopold.

Rotol Limited, assignee: *See*—
Owner, Frank M.
Price, Peter R.

Rush, John A., assignor to P. L. Robertson Mfg. Co. Limited, Milton, Ontario, Canada. Machine for slotting screws. 2,408,686; Oct. 1.

Russell, Anne, administratrix: *See*—
Russell, George M.

Russell, George F.: *See*—
Mann, Julius W., and Russell.

Russell, George M., deceased, Millbrae; A. Russell, administratrix, assignor to Pacific Can Company, San Francisco, Calif. Fluid fountain for printing presses. 2,408,449; Oct. 1.

Russell, Harlow M., assignee: *See*—
Sidebotham, Melvin H.

Russell, Louis C., McGraw, N. Y. Cattle stall partition appliance. 2,408,533; Oct. 1.

Ryan, John D.: *See*—
Erickson, Arvid M., and Ryan.

Sanchez, Emilio B., Miami, Fla. Game apparatus. 2,408,687; Oct. 1.

Schafer, Conrad B.: *See*—
Watkins, George B., and Schafer.

Schellschmidt, Alvin E.: *See*—
Briskin, Theodore S., Zivny, Schellschmidt, and Golick.

Schonthal, Leopold, New York, assignor of one-third to E. Roth, Elmsford, and one-third to N. Jarvis, New York, N. Y. Safety pocket lock. 2,408,688; Oct. 1.

Schorer, Otto J., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Lubricating system for rock drills. 2,408,534; Oct. 1.

Schrader, Raymond C., Peoria, assignor to V. Ray Van Wey, Pekin, Ill. Broken stud remover. 2,408,450; Oct. 1.

Schwarzkopf, Arthur R., assignor to Wodack Electric Tool Corporation, Chicago, Ill. Percussive tool. 2,408,484; Oct. 1.

Scientific Research and Development, United States of America, as represented by the Executive Secretary of the Office of, assignee: *See*—
Stevens, Stanley S.
Veneklasen, Paul S.

Seiden Pneumatic Tool Company, assignee: *See*—
Lutes, Oakley D.

Seitz, August W.: *See*—
Noel, Edward B., and Seitz.

Seme, John J., Maple Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Concentricity gauge specimen holder. 2,408,689; Oct. 1.

Servel, Inc., assignee: *See*—
Reid, John G., Jr.

Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company. Polymerization of vinyl aromatic compounds. 2,408,690; Oct. 1.

Shaw, Walter M., Arkansas City, Kans. Forced draft floor heater. 2,408,691; Oct. 1.

Shepherd, Judson O., Atlanta, Ga. Position control system. 2,408,485; Oct. 1.

Shinkle, Edward M., Burlington, Iowa. Hand grenade and fuse therefor. 2,408,486; Oct. 1.

Shore, Henry, Jackson Heights, N. Y., assignor to Radio Corporation of America. Signaling system. 2,408,692; Oct. 1.

Sidebotham, Melvin H., Newton, assignor of one-half to Harlow M. Russell, Chelsea, Mass. Nipple applying implement. 2,408,693; Oct. 1.

Siegel, A. L., Co. Inc., assignee: *See*—
Levitt, Benjamin A.

Simons, John K., Toledo, Ohio, and W. I. Weaver, Pittsburgh, Pa., assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company. Preparing acyl guanidines. 2,408,694; Oct. 1.

Sinnett, Chester M., Westmont, and H. Belar, Palmyra, N. J., assignors to Radio Corporation of America. Record reproducing system. 2,408,695; Oct. 1.

Sions, John M., Middle River, Md. Card terminal plug. 2,408,583; Oct. 1.

Smallwood, Hugh M., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Treatment of carbon black. 2,408,696; Oct. 1.

Smith, A. O., Corporation, assignee: *See*—
Hart, Edward.

Smith, Arthur D., Park Ridge, assignor to Jenkins Petroleum Process Company, Chicago, Ill. Hydrocarbon cracking process with successive additions of adsorbent. 2,408,584; Oct. 1.

Smith, Harry P., Iowa City, Iowa, assignor to Parke, Davis & Company, Detroit, Mich. Thromboplastin product and preparation of same. 2,408,535; Oct. 1.

Smith, Harry P., Iowa City, Iowa, assignor to Parke, Davis & Company, Detroit, Mich. Prothrombin product and preparation of same. 2,408,536; Oct. 1.

Smith, Jesse W., Cobleskill, N. Y. Laying, forming and interconnecting concrete blocks. 2,408,585; Oct. 1.

Smith, Michael F., Los Angeles, Calif. Garment hanger attachment. 2,408,697; Oct. 1.

Smith, Norman H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine and knitting. 2,408,698; Oct. 1.

Smith, Perry C., Moorestown, N. J., assignor to Radio Corporation of America. Art of ascertaining the atomic structure of materials. 2,408,487; Oct. 1.

Smithells, Colin J.: *See*—
Hopps, Bernard, and Smithells.

Societe Anonyme Pour La Construction de Materiel Automobile (S. A. C. M. A.), assignee: *See*—
Mennesson, Marcel.

Sommer, Eric E.: *See*—
Clapsadle, Leo J., Kratzer, and Sommer.

Sorensen, Edward M., Dayton, Ohio. Speed control system. 2,408,451; Oct. 1.

Sorensen, Louis N., Port Clinton, Ohio, assignor to The Celotex Corporation, Chicago, Ill. Perforating gypsum lath. 2,408,488; Oct. 1.

Spalding Knitting Mills, assignee: *See*—
Norman, George.

Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft temperature control. 2,408,699; Oct. 1.

Sperry Gyroscope Company, Inc., assignee: *See*—
Curry, Robert S., Jr.
Ginzton, Edward L.
Jenks, Frederic A., Folland, Maeder, and Cooke.

Spievak, Louis A., West Los Angeles, Calif. Adjustable hold-down device. 2,408,586; Oct. 1.

Sprung, Murray M., Scotia, N. Y., assignor to General Electric Company. Synthetic wax composition. 2,408,700; Oct. 1.

Stalker, Edward A., Ann Arbor, Mich. Rotary wing aircraft. 2,408,439; Oct. 1.

Standard Cabinet Works, Inc., assignee: *See*—
Bertschinger, Frederick E.

Standard Stoker Company, Incorporated, assignee: *See*—
Surdy, Charles J.

Stevens, Stanley S., Cambridge, Mass., assignor to the United States of America, represented by the Executive Secretary of the Office of Scientific Research and Development. Earphone socket. 2,408,490; Oct. 1.

Stewart, Willis G.: *See*—
Tucker, Preston T., Stewart, and Tanner.

Stixrud, John L., Los Angeles, Calif. Shorthand typewriting machine. 2,408,452; Oct. 1.

Stixrud, John L., Los Angeles, Calif. Shorthand typewriting machine. 2,408,453; Oct. 1.

Strickland, Elwin M., Detroit, assignor of one-half to A. F. Wall, Grosse Pointe, Mich. Work holding fixture. 2,408,491; Oct. 1.

Submarine Signal Company, assignee: *See*—
Batcheider, Lawrence.
Benioff, Hugo.
Turner, Edwin E., Jr.

Sullivan, David J.: *See*—
Edgar, Donald E., and Sullivan.

Sullivan, Francis M., North Bergen, N. J. Decolorizing oils and agents therefor. 2,408,454; Oct. 1.

Surdy, Charles J., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Steam motive power. 2,408,701; Oct. 1.

Swift, George W., Jr. Inc., assignee: *See*—
Bruker, Hobart W.

Szikiai, George C., Princeton, N. J., assignor to Radio Corporation of America. Angle modulated wave detector. 2,408,702; Oct. 1.

Taborski, Alfred F., Buffalo, and J. W. Terry, Niagara Falls, N. Y. Necktie. 2,408,455; Oct. 1.

Talge, Foster L., assignee, et al.: *See*—
Talge, Henry J., and Landry.

Talge, Henry J., and W. J. Landry, assignors to J. C. Hockery, and F. L. and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Wall bracket for kitchen utensils. 2,408,703; Oct. 1.

Tanner, James H.: *See*—
Tucker, Preston T., Stewart, and Tanner.

Tauch, Ernest J., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulphamic acid. 2,408,492; Oct. 1.

Taylor, George R., Kenosha, Wis. Liquid cooler for refrigerators. 2,408,704; Oct. 1.

Taylor, Maurice H.: *See*—
Healy, John J., Jr., Taylor, and Abbiati.

Terry, Joseph W.: *See*—
Taborski, Alfred F., and Terry.

Thomas, Chester A.: *See*—
Babson, Henry B., and Thomas.

Thomason, William H., Margret, Ga. Drive mechanism. 2,408,456; Oct. 1.

Thompson, Edward O.: *See*—
Biehl, Fred, and Thompson.

Thorp, Joel R.: *See*—
Riemann, Howard C., and Thorp.

Todd, Keith W., Warrington, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Mechanical relay of the fluid jet type. 2,408,705; Oct. 1.

Toledo Scale Company, assignee: *See*—
Wood, George R.

Tower, Charles H.: *See*—
Lowey, Francis J., and Tower.

Townsend, Mark A., Cleveland Heights, Ohio, assignor to General Electric Company. Starting control for electric discharge devices. 2,408,493; Oct. 1.

Travis, Henry, Ocean Beach, Calif. Rotating airplane landing wheels. 2,408,706; Oct. 1.

Trico Products Corporation, assignee: *See*—
Horton, Erwin C.

Triple Insulaire Company, The, assignee: *See*—
Aschenbrener, Rudolph A.

Tripp, Chester D., Chicago, Ill. Lock nut making machine. 2,408,457; Oct. 1.

Tropical Plantations Limited, assignee: *See*—
Hitchcock, Stanley I.

Tucker Aircraft Corporation, assignee: *See*—
Tucker, Preston T., Stewart, and Tanner.

Tucker, John W., Manchester, Ga. Textile machinery. 2,408,587; Oct. 1.

Tucker, Preston T., Detroit, Mich., W. G. Stewart, and J. H. Tanner, New York, N. Y., assignors to Tucker Aircraft Corporation, Detroit, Mich. Gun mounting and control mechanism. 2,408,707; Oct. 1.

Turner, Edwin E., Jr., West Roxbury, assignors, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for echo distance measurement. 2,408,458; Oct. 1.

Tuttle, Alfred C., Montreal, Quebec, Canada. Portable power driven conveyer. 2,408,459; Oct. 1.

Tweedie, Charles E., Great Lakes, Ill., assignor, by mesne assignments, to T. Placette, Hays County, Tex. Hydraulic relief valve. 2,408,708; Oct. 1.

Union Oil Company of California, assignee: *See*—
Berg, Clyde H. O.

Union Switch & Signal Company, The, assignee: *See*—
Volz, Carl.

United Aircraft Corporation, assignee: *See*—
Kalitinsky, Andrew.

United Shoe Machinery Corporation, assignee: *See*—
Leveque, Bernard T.

United States Gypsum Company, assignee: *See*—
Huntsicker, Harry N., and Norman.

United States Rubber Company, assignee: *See*—
Smallwood, Hugh M.

Universal Oil Products Company, assignee: *See*—
Bloch, Herman S.
Read, Davis, Jr.

Van den Bosch, Francois J. G., Surrey, England, assignor to Radio Electronics Limited. Electron multiplier. 2,408,709; Oct. 1.

Van Doren, Harold, Bryn Mawr, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator. 2,408,460; Oct. 1.

Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separating the constituents of air. 2,408,710; Oct. 1.

Van Wey, V. Ray, assignee: *See*—
Schrader, Raymond D.

Veneklasen, Paul S., Saugus, Mass., assignor to the United States of America, as represented by the Executive Secretary of the Office of Scientific Research and Development. Earphone socket. 2,408,494; Oct. 1.

Volz, Carl, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus to detect change of voltage. 2,408,711; Oct. 1.

Wager, Robert H., Maplewood, N. J. Smoke inspection device. 2,408,495; Oct. 1.

Wall, Albert F., assignee: *See*—
Strickland, Elwin M.

Waltman, Chauncey E., Chicago, Ill., assignor to NuTone, Incorporated, New York, N. Y. Power unit for electric chimes. 2,408,712; Oct. 1.

Wanasek, Anthony R., assignee: *See*—
Bagan, John P.

War, United States of America, as represented by the Secretary of, assignee: *See*—
Chu, Lan J.

Watkins, George B., Toledo, Ohio, and C. B. Schafer, Charleston, W. Va., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass surfacing method and apparatus. 2,408,496; Oct. 1.

Watts, Sidney S., Southgate, London, N. 14, assignor to The British Oxygen Company Limited, London, England. Apparatus for dividing or desurfacing metal by use of oxidising sets. 2,408,588; Oct. 1.

Weaner, Walter C., Muncie, Ind. Power coupling means. 2,408,497; Oct. 1.

Weaver, Welcome I.: *See*—
Simons, John K., and Weaver.

Webb, Wesley L., Glen Moore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Extrusion device. 2,408,713; Oct. 1.

Weingarten, Joseph, Bronx, N. Y. One-piece garment. 2,408,537; Oct. 1.

Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Apparatus for cooling and hardening wax carboa coatings. 2,408,498; Oct. 1.

Wellman, S. K., Company, assignee: *See*—
Lowey, Francis J., and Tower.

Wells, Alvin W., Chicago, assignor of one-half to J. W. Wells, Decatur, Ill. Apparatus for producing electrical oscillations. 2,408,589; Oct. 1.

Wells, Frank E., Alliance, Ohio. Piston expander. 2,408,499; Oct. 1.

Wells, Jewel W., assignee: *See*—
Wells, Alvin W.

West, Maxwell A., Portland, Oreg. Automatic counterbalance for boom derricks. 2,408,500; Oct. 1.

Western Electric Company, Incorporated, assignee: *See*—
Hays, James B., Jr.

Westinghouse Electric Corporation, assignee: *See*—
Bock, Ashley P.
Wickerham, William R.

Whalen, John, Brooklyn, N. Y. Safe screen support. 2,408,714; Oct. 1.

Wickerham, William R., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,408,461; Oct. 1.

Wiggins, John H., Chicago, Ill. Liquid storage apparatus. 2,408,538; Oct. 1.

Wiggins, John H., Chicago, Ill. Fluid storage apparatus. 2,408,539; Oct. 1.

Wilcox, Kenneth: *See*—
Braithwaite, Robert C., and Wilcox.

Wilkerson, Victor O., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,408,715; Oct. 1.

Williams, Ervin L., Los Angeles, Calif. Motor driven signal. 2,408,590; Oct. 1.

Williams, William E., New York, N. Y. Forming scratch-resistant articles. 2,408,540; Oct. 1.

Wilson, Arthur P.: *See*—
Pontius, George W., III, Wilson, and Kuzmits.

Wilson, Ronald M., Devon, assignor, by mesne assignments, to William M. Wilson's Sons Inc., Lansdale, Pa. Faucet. 2,408,541; Oct. 1.

Wilson's, William M., Sons, Inc., assignee: *See*—
Wilson, Ronald M.

Wine, William E., Toledo, Ohio. Demountable traction unit for tractor wheels. 2,408,591; Oct. 1.

Wise, Raymond O., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,408,462; Oct. 1.

Witchger, Eugene S., Grosse Pointe, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Pump construction. 2,408,716; Oct. 1.

Wodack Electric Tool Corporation, assignee: *See*—
Schwarzkopf, Arthur R.

Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Slicing machine. 2,408,717; Oct. 1.

Worthington Pump and Machinery Corporation, assignee: *See*—
Schorer, Otto J.

Wright, Fred J., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Overload release. 2,408,501; Oct. 1.

Wright, Hubert B., Nashville, Tenn. Bottle stopper and pouring spout. 2,408,463; Oct. 1.

Writzmann, Alex A., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Waterproof combined electric switch and pistol grip. 2,408,502; Oct. 1.

Wyman, Floyd H., and J. M. Malik, Toccoa, Ga., assignors to R. G. Le Tourneau, Inc., Stockton, Calif. Forging die and mount assembly. 2,408,542; Oct. 1.

Young, Ray A., Willoughby, Ohio. Pin clutch arbor. 2,408,503; Oct. 1.

Zivny, Joseph C.: *See*—
Briskin, Theodore S., Zivny, Sheelischmidt, and Golick.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Control system for automatic telephone systems, Electrical. G. Deakin. Re. 22,794; Oct. 1.
Fan and eyeshield, Combination. H. A. Husted. Re. 22,796; Oct. 1.
Nut cracking machine. L. K. Maulsby and J. A. McGrann. Re. 22,797; Oct. 1.
Toggle fastening means for, floating closures. H. Wolcott. Re. 22,798; Oct. 1.
Tube structure, High frequency. W. Hansen and R. H. and S. F. Varian. Re. 22,795; Oct. 1.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. E. Prushek. 711; Oct. 1.

LIST OF DESIGN INVENTIONS

Airplane. R. C. Sebold. 145,680; Oct. 1.
Brooch or similar article. A. Katz. 145,665–7; Oct. 1.
Brooch or similar article. A. Philippe. 145,676; Oct. 1.
Button, Rim. C. H. Frank. 145,663; Oct. 1.
Cap, Container. P. A. Derham. 145,661; Oct. 1.
Cart, Chair. L. P. Brantz. 145,655; Oct. 1.
Chair. A. Roth. 145,678; Oct. 1.
Cleaner attachment, Vacuum. C. B. Stevens. 145,681; Oct. 1.
Clothespin. C. E. Seale and L. W. Stinne. 145,679; Oct. 1.
Clock, Alarm. F. Lux. 145,672; Oct. 1.
Coaster and ash tray holder, Combined. L. J. Binder. 145,653; Oct. 1.
Container, Cigarette. G. L. Kearney. 145,668; Oct. 1.
Desk and seat, Combination. J. D. Covington. 145,659; Oct. 1.
Fabric. L. Langer. 145,671; Oct. 1.
Fabric, Embroidered. A. Walter. 145,682; Oct. 1.
Frame or similar article, Folding picture. R. Kraus. 145,669; Oct. 1.
Frame, Handbag. C. W. Hardy. 145,664; Oct. 1.
Frame or the like, Mirror. F. Diamond. 145,662; Oct. 1.
Opener, Letter. J. J. Calichio. 145,656; Oct. 1.
Piano. A. Bach. 145,648–9; Oct. 1.
Razor, Safety. L. M. Baer. 145,650; Oct. 1.
Settee and telephone cabinet, Combined. F. B. Case. 145,657; Oct. 1.
Shoe or similar article. H. J. Kroto. 145,670; Oct. 1.
Shoe or similar article. E. Ziniti. 145,684; Oct. 1.
Table base, Drafting. R. M. Bennet. 145,651; Oct. 1.
Tablecloth or similar article. L. G. Rohner. 145,677; Oct. 1.
Toy gun. S. I. Berger. 145,652; Oct. 1.
Train, Overhead monorail. C. B. Clark. 145,658; Oct. 1.
Tricycle. W. H. Culler. 145,660; Oct. 1.
Watchcase. M. Ostier. 145,673–5; Oct. 1.
Workbench, Laboratory. J. Bjorksten. 145,654; Oct. 1.
Wrench, Jar top. G. Yates. 145,683; Oct. 1.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid compositions, Silicic. R. K. Iler and J. S. Kirk. 2,408,655; Oct. 1.
Acid sols, Producing silicic. J. S. Kirk. 2,408,656; Oct. 1.
Acid sols, Silicic. J. S. Kirk. 2,408,654; Oct. 1.
Acyl guanidines, Preparing. J. K. Simons and W. I. Weaver. 2,408,694; Oct. 1.
Adapter unit for electric wiring systems. J. F. O'Brien. 2,408,443; Oct. 1.
Adjusting device, Escapement. E. A. Derungs and O. Chatelain. 2,408,612; Oct. 1.
Air conditioning system, Ice. J. M. Hall. 2,408,635; Oct. 1.
Aircraft having moving airfoil or wing. A. R. Jackson. 2,408,649; Oct. 1.
Aircraft, Rotary wing. E. A. Stalker. 2,408,489; Oct. 1.
Air filter. C. G. Lamb. 2,408,659; Oct. 1.
Air-speed indicator. A. R. Lee. 2,408,661; Oct. 1.
Alloy: *See*—
Flint alloy.
Altimeter, Absolute. C. A. Donaldson. 2,408,414; Oct. 1.
Amplifying apparatus, High frequency. R. V. L. Hartley. 2,408,423; Oct. 1.
Amplitude-modulation and frequency-modulation receiver stage, Combined. J. W. Hull. 2,408,644; Oct. 1.
Animal trap. P. M. Barber. 2,408,593; Oct. 1.
Antenna. L. J. Chu. 2,408,373; Oct. 1.
Antenna and prism, Pipe. W. P. Mason. 2,408,435; Oct. 1.
Apparatus for carbonating liquids. R. Muehlhofer. 2,408,439; Oct. 1.
Apparatus for cleaning eggs and the like. C. H. Inman. 2,408,648; Oct. 1.
Apparatus for controlling power transmission systems. S. Hedgecock. 2,408,638; Oct. 1.
Apparatus for cooling and hardening wax carbon coatings. N. S. Welk. 2,408,498; Oct. 1.
Apparatus for cutting prisms. W. Owen and I. G. Peck. 2,408,530; Oct. 1.
Apparatus for dividing or desurfacing metal by use of oxidizing sets. S. S. Watts. 2,408,588; Oct. 1.
Apparatus for echo distance measurement. E. E. Turner, Jr. 2,408,458; Oct. 1.
Apparatus for extruding. L. B. Green. 2,408,627; Oct. 1.
Apparatus for integrating radiant energy. C. S. Ost. 2,408,576; Oct. 1.
Apparatus for measuring or checking transverse dimensions. M. Mennesson. 2,408,672; Oct. 1.
Apparatus for molding plastic material. L. B. Green. 2,408,630; Oct. 1.
Apparatus for producing electrical oscillations. A. W. Wells. 2,408,589; Oct. 1.
Apparatus for sealing containers. H. A. Rau. 2,408,447; Oct. 1.
Apparatus for treating articles. H. Osterberg, G. E. Pride, and P. C. Heijn. 2,408,529; Oct. 1.
Apparatus to detect change of voltage. C. Volz. 2,408,711; Oct. 1.
Appliance, Foot. B. Ferrar. 2,408,617; Oct. 1.
Article transfer mechanism. E. H. Bennett. 2,408,599; Oct. 1.
Atomic structure of materials, Ascertaining the. P. C. Smith. 2,408,487; Oct. 1.
Attachment for cranes, Stabilizer. J. E. Davenport and L. J. Quinn. 2,408,378; Oct. 1.
Automatic registering device, Self-serve. M. Rifkin. 2,408,581; Oct. 1.
Automobile jack. C. C. Craig. 2,408,376; Oct. 1.
Azo dyestuffs containing an N-morpholino-arylide group, Water insoluble. H. W. Grimmel and A. Guenther. 2,408,421; Oct. 1.
Ball-winding machine. J. R. Gammeter. 2,408,552; Oct. 1.
Bandage machine, Plaster. J. R. Pava. 2,408,577; Oct. 1.
Blind riveting apparatus. O. D. Lutes. 2,408,431; Oct. 1.
Blocks, Laying, forming and interconnecting concrete. J. W. Smith. 2,408,585; Oct. 1.
Blower for handling desiccated material. O. C. Norton, 2,408,675; Oct. 1.
Boat, Foldable. B. F. Randrup. 2,408,579; Oct. 1.
Bobbin holder. J. Noguera. 2,408,674; Oct. 1.
Bolt, Toggle. H. N. Boyer. 2,408,366; Oct. 1.
Bootjack and boot hook, Combined. C. G. Hilton, 2,408,640; Oct. 1.
Boots, Attachment for stadium. H. L. Lea. 2,408,564; Oct. 1.
Bottle dispensing apparatus. L. D. Dennis. 2,408,380; Oct. 1.
Bottle stopper and pouring spout. H. B. Wright. 2,408,463; Oct. 1.
Bow tie device. M. Greenfield. 2,408,631; Oct. 1.
Bowling pin setting indicator. R. A. Aschenbrener. 2,408,592; Oct. 1.
Bracket for kitchen utensils, Wall. H. J. Talge and W. J. Landry. 2,408,703; Oct. 1.
Bristle, High capillarity. E. H. Haux. 2,408,718; Oct. 1.
Broaching machine. F. J. Lapointe. 2,408,521; Oct. 1.
Brush, Greenhouse roof bar cleaning. R. C. Hart. 2,408,555; Oct. 1.
Brush, Soap holding. W. Novick. 2,408,676; Oct. 1.
Bucket assembly, Spinning. H. J. McDermott. 2,408,670; Oct. 1.
Camera, Photographic. G. A. Brueske. 2,408,549; Oct. 1.
Cap: *See*—
Container cap.
Carbon black, Treatment of. H. M. Smallwood. 2,408,696; Oct. 1.
Card terminal plug. J. M. Sions. 2,408,583; Oct. 1.
Catalysts, Activating. G. F. Horsley. 2,408,396; Oct. 1.
Chain: *See*—
Cutter chain.
Charger valve. G. W. Pontius, III. 2,508,680; Oct. 1.
Checking device, Railway wheel. M. W. and W. A. Gieskieng. 2,408,553; Oct. 1.
Chimney top. E. R. Lovely. 2,408,665; Oct. 1.
Chlorophyll from vitamins and other fat materials, Separating. W. R. Graham, Jr., G. O. Kohler, and R. D. Hoover. 2,408,625; Oct. 1.
Chuck, Center drill. B. F. King. 2,408,652; Oct. 1.
Cinder cutting, Retarding. W. B. Leaf. 2,408,428; Oct. 1.
Circuit: *See*—
Frequency-variable oscillator circuit.
Clamp: *See*—
Plate clamp.
Clip: *See*—
Wire or conduit clip.
Closure to render bottles nonrefillable, Bottle. H. W. Hagen. 2,408,634; Oct. 1.
Clutch: *See*—
Reversible clutch.
Clutch arbor, Pin. R. A. Young. 2,408,503; Oct. 1.
Collar, Turndown shirt. L. U. Michael. 2,408,570; Oct. 1.
Combustion control apparatus. S. A. Pearson. 2,408,445; Oct. 1.
Compressional wave system, Multiplex. W. P. Mason. 2,408,436; Oct. 1.
Computing instrument, Navigational. H. L. Mitchell. 2,408,571; Oct. 1.
Concentricity gauge specimen holder. J. J. Seme. 2,408,689; Oct. 1.
Conditioner, Cigarette. W. Reid. 2,408,481; Oct. 1.
Conductor unit, Electricity. J. F. O'Brien. 2,408,442; Oct. 1.
Connector: *See*—
Safety plug-in connector.
Constituents of air, Separating. C. C. Van Nuys. 2,408,710; Oct. 1.
Container cap. L. L. Lauve. 2,408,465; Oct. 1.
Control for electric discharge devices, Starting. M. A. Townsend. 2,408,493; Oct. 1.
Control mechanism. J. V. Ralston. 2,408,446; Oct. 1.
Control system. W. R. Wickerham. 2,408,461; Oct. 1.
Control system, Position. J. O. Shepherd. 2,408,485; Oct. 1.
Conveyer, Portable power driven. A. C. Tuttle. 2,408,459; Oct. 1.
Cooler for refrigerators, Liquid. G. R. Taylor. 2,408,704; Oct. 1.
Copper, Electrolysis of. W. C. Mason. 2,408,668; Oct. 1.
Counterbalance for boom derricks, Automatic. M. A. West. 2,408,500; Oct. 1.
Coupler. E. P. Kinne. 2,408,653; Oct. 1.
Coupling. F. E. Bertschinger. 2,408,547; Oct. 1.
Coupling and power steering unit, Draft. R. L. Akers. 2,408,360; Oct. 1.
Coupling and steering unit. R. L. Akers. 2,408,359; Oct. 1.
Coupling means, Power. W. C. Weaner. 2,408,497; Oct. 1.
Cowling for airplanes. D. M. Capanoli. 2,408,371; Oct. 1.
Cracking process. C. H. O. Berg. 2,408,600; Oct. 1.
Crutch. T. B. Brickson. 2,408,604; Oct. 1.
Cup for milking machines, Teat. F. A. Gessler. 2,408,390; Oct. 1.
Curler, Hair. R. Krasberg. 2,408,657; Oct. 1.
Cutter chain. C. F. Osgood. 2,408,476; Oct. 1.
Cylinder construction. A. Kalitinsky. 2,408,427; Oct. 1.
Cylinder ends, Forming. J. J. Bednar and S. P. Peck. 2,408,596; Oct. 1.

Decolorizing oils and agents therefor. F. M. Sullivan. 2,408,454; Oct. 1.
Detector, Angle modulated wave. G. C. Sziklai. 2,408,702; Oct. 1.
Device for automotive vehicles, Free-wheeling. M. Mallory. 2,408,566; Oct. 1.
Device for forming slits. A. A. Gradisar. 2,408,512; Oct. 1.
Die and mount assembly, Forging. F. H. Wyman and J. M. Malik. 2,408,542; Oct. 1.
Diesel engine and operating same. C. N. Guerasimoff. 2,408,394; Oct. 1.
Disk and tool shank, Detachable screw-cutting. C. Lieblein. 2,408,565; Oct. 1.
Distant-control device, Electrically operated. A. Arnot. 2,408,543; Oct. 1.
Dividing machine, Dough. H. W. Bowker. 2,408,602; Oct. 1.
Door: *See*—
Folding door.
Domestic appliance. K. Clark. 2,408,509; Oct. 1.
Double-casing high-pressure pump. E. Hart. 2,408,637; Oct. 1.
Dough dividing machine. A. R. Palmer. 2,408,679; Oct. 1.
Drilling unit, Rotary. D. A. Bennett and A. R. Maier. 2,408,364; Oct. 1.
Drive mechanism. W. H. Thomason. 2,408,454; Oct. 1.
Drive mechanism for driven wheels, Steering. C. C. Brown. 2,408,507; Oct. 1.
Drying materials uniformly throughout their mass, Method and apparatus for. J. W. Mann and G. F. Russell. 2,408,434; Oct. 1.
Dynamoelectric machine. S. I. Hitchcock. 2,408,641; Oct. 1.
Earth moving machine. A. B. McFarlane. 2,408,671; Oct. 1.
Electric discharge device. J. Evans. 2,408,383; Oct. 1.
Electric gauge. R. Mestas. 2,408,524; Oct. 1.
Electrical apparatus. H. Benioff. 2,408,405–6; Oct. 1.
Electrical system. A. H. Dickinson. 2,408,613; Oct. 1.
Electrical system for the control of mechanical devices. J. J. Moynihan. 2,408,472; Oct. 1.
Electrodes, Arc welding. E. F. Friedlander. 2,408,619–20; Oct. 1.
Electronic device, Ultra high frequency. A. E. Bowen. 2,408,409; Oct. 1.
Engine: *See*—
Internal-combustion engine.
Two-cycle engine.
Engine and engine cooling method. J. F. Furry. 2,408,386; Oct. 1.
Erecting gyro vertical instruments. R. S. Curry, Jr. 2,408,411; Oct. 1.
Evaporator for low-pressure refrigerants. J. G. Reid, Jr. 2,408,430; Oct. 1.
Exercising device. T. H. Belling. 2,408,597; Oct. 1.
Expander, Piston. F. E. Wells. 2,408,499; Oct. 1.
Extension, Ladder. J. D. Chase. 2,408,372; Oct. 1.
Extension, Multiple. T. L. Johnson. 2,408,398; Oct. 1.
Extrusion device. W. L. Webb. 2,408,713; Oct. 1.
Fabric: *See*—
Wire reinforced fabric.
Faucet. R. M. Wilson. 2,408,541; Oct. 1.
Faucet for beverages, Mixing. C. W. Lloyd. 2,408,664; Oct. 1.
Feeder: *See*—
Poultry feeder.
Filaments, Resilient. F. G. Dodge. 2,408,381; Oct. 1.
Film cleaning device. B. E. Mills. 2,408,433; Oct. 1.
Film viewing device. R. W. Farrell. 2,408,384; Oct. 1.
Filter: *See*—
Air filter.
Fixture, Work holding. E. M. Strickland. 2,408,491; Oct. 1.
Flasher, Low voltage. C. H. McClure. 2,408,568; Oct. 1.
Flashlight. J. A. and J. P. Gits. 2,408,393; Oct. 1.
Flashlight for pedestrians and bicycle riders, Safety. J. A. Hoy. 2,408,643; Oct. 1.
Flint alloy. H. Kent. 2,408,400; Oct. 1.
Flow control valve. O. A. Kehle. 2,408,562; Oct. 1.
Fluid-displacing machines operating in parallel, Oscillating. E. S. Beale. 2,408,362; Oct. 1.
Fluid fountain for printing presses. G. M. Russell. 2,408,449; Oct. 1.
Fluid-solid contact surface. A. A. Griffith. 2,408,632; Oct. 1.
Fluid storage apparatus. J. H. Wiggins. 2,408,539; Oct. 1.
Fluorescent zinc oxide. C. A. Nickle. 2,408,475; Oct. 1.
Foam, Reducing or preventing. L. T. Monson. 2,408,527; Oct. 1.
Fog nozzle. T. J. Gothard. 2,408,511; Oct. 1.
Folding door. R. A. Miller and C. Howard. 2,408,525; Oct. 1.
Foot mechanism for sewing machines, Presser. B. T. Leveque. 2,408,523; Oct. 1.
Forced draft floor heater. W. M. Shaw. 2,408,691; Oct. 1.
Frame for articles of footwear, Supporting. W. H. Doherty. 2,408,413; Oct. 1.
Framed display, Collapsible. E. M. Roach. 2,408,532; Oct. 1.
Frequency converter. J. W. Clark. 2,408,410; Oct. 1.
Frequency multiplier. E. L. Ginston. 2,408,420; Oct. 1.
Frequency-variable oscillator circuit. W. van B. Roberts. 2,408,684; Oct. 1.
Friction composition product. F. J. Lowey and C. H. Tower. 2,408,430; Oct. 1.
Fruit treatment. A. M. Erickson and J. D. Ryan. 2,408,418; Oct. 1.
Game apparatus. E. B. Sanchez. 2,408,667; Oct. 1.
Garment for animals. A. Norvig. 2,408,575; Oct. 1.
Garment, One-piece. J. Weingarten. 2,408,537; Oct. 1.
Garment, Rain protective. B. A. Levitt. 2,408,662; Oct. 1.
Gas burner system. J. O. Moorhead. 2,408,673; Oct. 1.
Gauge: *See*—
Electric gauge.
Gauging and like apparatus, Distance. C. A. Donaldson. 2,408,415; Oct. 1.
Gearing, Antifriction. L. L. Mallard. 2,408,666; Oct. 1.
Gearing, Self-locking. F. Biehl and E. O. Thompson. 2,408,365; Oct. 1.
Glass composition. K. C. Lyon. 2,408,468; Oct. 1.
Glass structure, Laminated. F. A. Rodman. 2,408,483; Oct. 1.
Glass supporting skeleton mold. G. Z. Minton. 2,408,526; Oct. 1.
Globe and scale, World. R. A. Kiehl. 2,408,651; Oct. 1.
Grenade and fuse therefor, Hand. E. M. Shinkle. 2,408,486; Oct. 1.
Gun charger. G. A. Goepfrich. 2,408,624; Oct. 1.
Gun turret sighting compensation systems. G. W. Pontius, III, A. P. Wilson, and F. V. Kuzmits. 2,408,681; Oct. 1.
Gypsum lath, Perforating. L. N. Sorensen. 2,408,488; Oct. 1.
Hanger attachment, Garment. M. F. Smith. 2,408,697; Oct. 1.
Harmonic generating system. J. W. McRae. 2,408,437; Oct. 1.
Harp, Lamp. D. Leef. 2,408,522; Oct. 1.
Hat and making the same, Fabric. J. Cavanagh. 2,408,610; Oct. 1.
Heater: *See*—
Forced draft floor heater.
Water heater.
Heater for internal-combustion engines, Fuel. C. F. Brookes. 2,408,605; Oct. 1.
High-frequency apparatus. H. Benioff. 2,408,407; Oct. 1.
Hitch, Trailer. H. C. Riemann and J. R. Thorp. 2,408,531; Oct. 1.
Hold-down device, Adjustable. L. A. Splevak. 2,408,586; Oct. 1.
Holder: *See*—
Bobbin holder.
Concentricity gauge specimen holder.
Shirt collar holder.
Tool holder.
Holder for containers. A. Dawson. 2,408,611; Oct. 1.
Hydraulic relief valve. C. E. Tweedie. 2,408,708; Oct. 1.
Hydrocarbon conversion process. D. Read, Jr. 2,408,580; Oct. 1.
Hydrocarbon cracking process with successive additions of adsorbent. A. D. Smith. 2,408,584; Oct. 1.
Illuminating apparatus. G. S. Merrill. 2,408,471; Oct. 1.
Indication system, Remote. B. A. Lange. 2,408,660; Oct. 1.
Indicator: *See*—
Air-speed indicator.
Bowling pin setting indicator.
Inspection device, Smoke. R. H. Wager. 2,408,495; Oct. 1.
Instrument landing system. F. A. Jenks, D. F. Folland, A. S. Maeder, and W. T. Cooke. 2,408,425; Oct. 1.
Internal-combustion engine. L. L. Beltz. 2,408,598; Oct. 1.
Internal-combustion engine. J. L. Haight, Jr. 2,408,554; Oct. 1.
Internal combustion engine. M. Kadenacy. 2,408,399; Oct. 1.
Internal-combustion engines, Cooling system for. L. J. Chapeaulle, J. C. Kratzer, and E. E. Sommer. 2,408,374; Oct. 1.
Isomerization of normally liquid hydrocarbons. H. S. Bloch. 2,408,548; Oct. 1.
Jack: *See*—
Automobile jack.
Ketone aminoindan compensation product. C. F. Gibbs. 2,408,391; Oct. 1.
Knitting machine and knitting. N. H. Smith. 2,408,698; Oct. 1.
Lamp device, Multiflash. J. J. Malloy. 2,408,469; Oct. 1.
Lamp device, Multiflash. E. B. Noel and A. W. Seitz. 2,408,470; Oct. 1.
Lime, Manufacture of hydrated. H. N. Huntsicker and C. R. Norman, Jr. 2,408,647; Oct. 1.
Liquid storage apparatus. J. H. Wiggins. 2,408,538; Oct. 1.
Lock: *See*—
Safety pocket lock.
Loom. J. O. Hunt. 2,408,645; Oct. 1.
Lubricant, Drill. E. L. Flood. 2,408,385; Oct. 1.

Lubricating system for rock drills. O. J. Schorer. 2,408,524; Oct. 1.
Machine for grinding drills and similar tools. D. T. E. Fielding. 2,408,618; Oct. 1.
Machine for slotting screws. J. A. Rush. 2,408,686; Oct. 1.
Machine tool. J. R. Huntley. 2,408,646; Oct. 1.
Machinery, Textile. J. W. Tucker. 2,408,587; Oct. 1.
Magnesium metal and the like, Melting. E. C. Lyons. 2,408,466; Oct. 1.
Magnetic motor. C. P. Collins. 2,408,375; Oct. 1.
Manufacture of 4-keto-tetrahydrothiophenes. A. W. D. Avison, F. Bergel, and J. W. Haworth. 2,408,519; Oct. 1.
Marker, Point. C. L. Beard. 2,408,595; Oct. 1.
Marking machine. E. C. Horton. 2,408,516; Oct. 1.
Mattress. M. Dubick. 2,408,882; Oct. 1.
Measuring instrument, Pressure responsive. A. J. Rosenberger. 2,408,685; Oct. 1.
Mechanical movement. J. D. Bell. 2,408,546; Oct. 1.
Metal, Conditioning molten. E. C. Lyons. 2,408,467; Oct. 1.
Metalworking process and apparatus. C. W. Hazelett. 2,408,514; Oct. 1.
Metals with molten aluminum, Coating ferrous. H. N. Gilbert. 2,408,523; Oct. 1.
Methyl methacrylate compositions, Preparing of modified. F. L. Johnston. 2,408,426; Oct. 1.
Mixing plant. C. H. Johnson. 2,408,397; Oct. 1.
Mold: *See*—
Glass supporting mold.
Molding apparatus and method. L. B. Green. 2,408,629; Oct. 1.
Motive power, Steam. C. J. Surdy. 2,408,701; Oct. 1.
Motor: *See*—
Magnetic motor.
Motor control. C. Brongersma. 2,408,369; Oct. 1.
Motor driven signal. E. L. Williams. 2,408,590; Oct. 1.
Mounting and control mechanism, Gun. P. T. Tucker, W. G. Stewart, and J. H. Tanner. 2,408,707; Oct. 1.
Mud screen. F. E. Hutchison. 2,408,558; Oct. 1.
Multiplier, Electron. F. J. G. van den Bosch. 2,408,709; Oct. 1.
N,n-diethylbenzamide as an insect repellent. S. I. Gertler. 2,408,389; Oct. 1.
Necktie. A. F. Taborski and J. W. Terry. 2,408,455; Oct. 1.
Net, Torpedo. A. E. Brickman. 2,408,367; Oct. 1.
Net, Torpedo. H. W. Riddle. 2,408,482; Oct. 1.
Nipple applying instrument. M. H. Sidebotham. 2,408,693; Oct. 1.
Nitro compounds, Manufacture of. G. D. Buckley. 2,408,607; Oct. 1.
Nonchafing catamenial pad. J. P. Canavan. 2,408,508; Oct. 1.
Nut cracking machine. F. F. Feldmann. 2,408,510; Oct. 1.
Nut making machine, Lock. C. D. Tripp. 2,408,457; Oct. 1.
Nut, Sheet metal. E. M. Morehouse. 2,408,573; Oct. 1.
Object locating system. J. B. Hays, Jr. 2,408,395; Oct. 1.
Packaging. E. E. Eldredge. 2,408,616; Oct. 1.
Partition appliance, Cattle stall. L. C. Russell. 2,408,533; Oct. 1.
Patch for a fourdrinier wire, Preparing and applying a. J. A. Harris. 2,408,422; Oct. 1.
Percussive tool. A. R. Schwarzkopf. 2,408,484; Oct. 1.
Phosphors and their stabilization. H. C. Froelich. 2,408,621; Oct. 1.
Picker stick checking mechanism. W. Hamilton. 2,408,636; Oct. 1.
Pipe-cutting apparatus. P. A. Howard. 2,408,517; Oct. 1.
Plate clamp. W. L. Keehn. 2,408,560; Oct. 1.
Plate, Clutch. H. Nutt. 2,408,441; Oct. 1.
Plug: *See*—
Card terminal plug.
Self-latching electric plug
Sparking plug.
Polyvinyl alcohol composition. C. Dangelmajer. 2,408,377; Oct. 1.
Polyvinyl alcohol compositions to other materials, Adhering of. C. A. Porter. 2,408,682; Oct. 1.
Poultry feeder. R. T. Payne. 2,408,477; Oct. 1.
Press. L. F. Day. 2,408,379; Oct. 1.
Pressure producing device, Fluid. R. R. Gunderson. 2,408,513; Oct. 1.
Printing machine. F. L. Fuller. 2,408,622; Oct. 1.
Propeller spinner. F. M. Owner. 2,408,677; Oct. 1.
Protecting originative matter. L. B. Green. 2,408,626; Oct. 1.
Prothrombin product and preparation of same. H. P. Smith. 2,408,536; Oct. 1.
Pump: *See*—
Double-casing high-pressure pump.
Pump construction. E. S. Witchger. 2,408,716; Oct. 1.
Quinazolones from organic phosphazo compounds, Production of substituted. A. Guenther and J. F. Morgan. 2,408,633; Oct. 1.
Rail fastening. L. B. Green. 2,408,628; Oct. 1.
Receptacle for fluids. C. W. and G. M. Brandon. 2,408,505; Oct. 1.
Record controlled machine. V. O. Wilkerson. 2,408,715; Oct. 1.
Recording system, Race. E. Nassour. 2,408,528; Oct. 1.
Refrigerator. H. E. Rosebrook and H. F. Powell. 2,408,582; Oct. 1.
Refrigerator. H. van Doren. 2,408,460; Oct. 1.
Refrigerator, Bottle dispensing. F. U. Payne. 2,408,444; Oct. 1.
Relay of the fluid jet type, Mechanical. R. C. Braithwaite and K. Wilcox. 2,408,603; Oct. 1.
Relay of the fluid jet type, Mechanical. K. W. Tedd. 2,408,705; Oct. 1.
Release, Overload. F. J. Wright. 2,408,501; Oct. 1.
Reproducing system, Record. C. M. Sinnett and H. Belar. 2,408,695; Oct. 1.
Resins and production thereof, Cation exchange. J. R. Dudley. 2,408,615; Oct. 1.
Resins, Chlorinated. O. W. Cass. 2,408,608; Oct. 1.
Resins of high chlorine content. O. W. Cass. 2,408,609; Oct. 1.
Reversible clutch. T. S. Briskin, J. C. Zivny, A. E. Schellschmidt, and J. J. Golick. 2,408,506; Oct. 1.
Rivet, Self-setting tubular. H. J. Keating. 2,408,559; Oct. 1.
Roofing, Sheet metal. G. H. Huntington. 2,408,557; Oct. 1.
Rotating means for airplane landing wheels. H. Travis. 2,408,706; Oct. 1.
Roundabout. G. H. Pooler. 2,408,479; Oct. 1.
Safe screen support. J. Whalen. 2,408,714; Oct. 1.
Safety plug-in connector. C. A. Hasenwinkle. 2,408,556; Oct. 1.
Safety pocket lock. L. Schonthal. 2,408,688; Oct. 1.
Scratch-resistant articles, Forming. W. E. Williams. 2,408,540; Oct. 1.
Screen: *See*—
Mud screen.
Seal for adjoining railroad cars, Dust. C. P. Nelson. 2,408,473; Oct. 1.
Seismic apparatus and method. O. S. Petty. 2,408,478; Oct. 1.
Self-latching electric plug. L. Frank. 2,408,551; Oct. 1.
Semi-conducting composition. D. E. Edgar and D. J. Sullivan. 2,408,416; Oct. 1.
Service set, Bed. T. D. Crane. 2,408,550; Oct. 1.
Shade and making the same, Lamp. S. B. Bartha. 2,408,594; Oct. 1.
Sharpener, Twist drill. J. Banner. 2,408,544; Oct. 1.
Shield for transmitter mouthpieces, Noise. E. B. Newman and J. Miller. 2,408,474; Oct. 1.
Shirt collar holder. C. M. Mead. 2,408,569; Oct. 1.
Shoe tree. K. Barber. 2,408,545; Oct. 1.
Shoe, Water-resistant. G. H. Jennings. 2,408,650; Oct. 1.
Signal: *See*—
Motor driven signal.
Signaling system. H. Shore. 2,408,692; Oct. 1.
Siphon mechanism for heated rolls. H. W. Bruker. 2,408,606; Oct. 1.
Slicing machine. G. R. Wood. 2,408,717; Oct. 1.
Smoke screen composition and developing smoke screens therefrom. H. A. Levey. 2,408,429; Oct. 1.
Socket, Earphone. S. S. Stevens. 2,408,490; Oct. 1.
Socket, Earphone. P. S. Veneklasen. 2,408,494; Oct. 1.
Sparking plug. B. Hopps and C. J. Smithells. 2,408,642; Oct. 1.
Speed-control and synchronizing device. P. R. Price. 2,408,683; Oct. 1.
Speed control system. E. M. Sorensen. 2,408,451; Oct. 1.
Stapling machine. J. C. Lang. 2,408,563; Oct. 1.
Steels, Pickling. J. J. Healy, Jr., M. H. Taylor, and F. A. Abbiati. 2,408,424; Oct. 1.
Steering wheel. H. F. George. 2,408,388; Oct. 1.
Stencilling. J. T. Penton. 2,408,578; Oct. 1.
Stocking, Seamless. G. Norman. 2,408,440; Oct. 1.
Strip serving machine, Electrically controlled. C. E. Beckman and E. B. Dodds. 2,408,363; Oct. 1.
Stud or protector for boots and shoes. W. H. Lewis. 2,408,663; Oct. 1.
Stud remover, Broken. R. C. Schrader. 2,408,450; Oct. 1.
Sulphamic acid, Manufacture of. E. J. Tauch. 2,408,492; Oct. 1.
Support: *See*—
Safe screen support.
Surface coating apparatus. G. L. Dimmick. 2,408,614; Oct. 1.
Surfacing method and apparatus, Glass. G. B. Watkins and C. B. Schafer. 2,408,496; Oct. 1.
Suspender. J. La Frenier. 2,408,464; Oct. 1.
Switch and light for floor lamps, Combination. L. N. Mattson. 2,408,669; Oct. 1.
Switch and pistol-grip, Waterproof combined electric. A. A. Writsmann. 2,408,502; Oct. 1.
Tanning agents and treating hides and skins therewith. W. C. Ellenbogen. 2,408,417; Oct. 1.
Telephone system. M. E. Maloney. 2,408,432; Oct. 1.
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Telephone system. R. O. Wise. 2,408,462; Oct. 1.
Temperature control, Aircraft. H. T. Sparrow. 2,408,699; Oct 1.

Thermostat controlled alarm. P. Martin. 2,408,667; Oct. 1.
Thiophan-3-one and manufacture of same. P. Karrer. 2,408,518; Oct. 1.
Thromboplastin product and preparation of same. H. P. Smith. 2,408,535; Oct. 1.
Tiller, Rotary. J. P. Bagan. 2,408,361; Oct. 1.
Timber setting machine. H. S. Gay and T. V. Maynard. 2,408,387; Oct. 1.
Tin depositing process. A. G. Hopkins. 2,408,515; Oct. 1.
Tool: *See*—
Machine tool. Work illuminating tool.
percussive tool.
Tool holder. W. Mauch. 2,408,567; Oct. 1.
Toy holster for guns. H. Paley. 2,408,678; Oct. 1.
Traction unit for tractor wheels, Demountable. W. E. Wine. 2,408,591; Oct. 1.
Trailer, Dual axle. W. L. Keehn. 2,408,561; Oct. 1.
Trailer, Vehicle. E. F. King. 2,408,401; Oct. 1.
Transmission, Hydraulic T. L. Morris. 2,408,574; Oct. 1.
Transmission line, High voltage, high power concentric. A. P. Bock. 2,408,408; Oct. 1.
Trap: *See*—
Animal trap.
Trichloroethylene copolymers. H. W. Arnold. 2,408,402; Oct. 1.
Truck for rail vehicles. A. S. Krotz. 2,408,520; Oct. 1.
Tuning system for radio receivers, Automatic. C. M. Burrill. 2,408,370; Oct. 1.
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Valve: *See*—
Charger valve. Hydraulic relief valve.
Flow control valve.
Vibrometer. D. E. Gillum and C. J. Gallant. 2,408,392; Oct. 1.
Vinyl aromatic compounds, Polymerization of. R. B. Seymour. 2,408,690; Oct. 1.
Watercraft and the like, Propulsion and stabilization of. H. M. Dobbins. 2,408,412; Oct. 1.
Water heater. H. B. Babson and C. A. Thomas. 2,408,403; Oct. 1.
Wave transmitting and receiving apparatus, Compressional. L. Batcheider. 2,408,404; Oct. 1.
Wax composition, Synthetic. M. M. Sprung. 2,408,700; Oct. 1.
Webs, Coating. S. Bergstein. 2,408,504; Oct. 1.
Well explosive device. J. L. Foster. 2,408,419; Oct. 1.
Wheel: *See*—
Steering wheel.
Wire or conduit clip. E. M. Morehouse. 2,408,572; Oct. 1.
Wire reinforced fabric. A. E. Brickman. 2,408,368; Oct. 1.
Work illuminating tool. B. Blauvelt. 2,408,601; Oct. 1.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 1, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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U. S. GOVERNMENT PRINTING OFFICE: 1946

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol 591—No. 2 TUESDAY, OCTOBER 8, 1946 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
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Patents	456	No. 2,408,719 to No.	2,409,174,	inclusive.
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Total	779			

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed.

Pat. 2,360,707, I. E. Mouromtseff and G. M. Dinnick, Electron discharge device, decided Aug. 20, 1946, claim 3.

Pat. 2,375,007, R. G. Larsen and H. Diamond, Anti-foaming device, decided Aug. 30, 1946, claims 1, 3, 5, 6, 7, 9, 11, 12, 13, and 14.

Pat. 2,328,825, G. F. McMahon, Arc-extinguishing means, decided Sept. 6, 1946, claims 11, 22, and 23.

Disclaimers

2,315,656.—*Ralph Rhoda*, Berkeley, Calif. Dual Pressure Pumping System. Patent dated Apr. 6, 1943. Disclaimer filed June 18, 1946, by the assignee, *Berkeley Pump Company*, a partnership.

Hereby enters this disclaimer to claim 11 of said specification.

2,341,836.—*Harry F. Wood*, Kenosha, Wis. Piston. Patent dated Feb. 15, 1944. Disclaimer filed Sept. 12, 1946, by the inventor; the assignee, *Nash-Kelvinator Corporation*, acquiescing.

Hereby enters this disclaimer to claim 6 in said specification.

Notice of Cancellation

U. S. Patent Office, *Richmond, Va., Sept. 12, 1946.*

William Albert Fitzsimmons, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Anna-Jean Yuill, 1 N. La Salle St., Chicago, Ill., to effect the cancellation of trade-mark registration of William Albert Fitzsimmons, 226 W. 11th St., Newport, Ky., No. 263,008, dated October 29, 1929, and the notice of such proceeding sent by registered mail to the said Fitzsimmons at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Fitzsimmons, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice—Attorney's Address

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

Condition of Applications Under Examination at Close of Business September 20, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 123,917; Trade-Mark Division, 10,385. Oldest new case, April 5, 1945; oldest amended, April 3, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 19	May 29	2290
2 HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 13	June 18	2737
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	May 19	June 9	1911
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Aug. 2	Aug. 24	2184
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 1	3525
6. GENIESSE, E. W., Carbon Chemistry (part)	Oct. 10	Oct. 16	1727
7. HANLIN, GEORGE, Optics, Photography	June 30	Oct. 16	2009
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 18	July 26	2942
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 18	Apr. 19	2023
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	July 25	July 25	1485
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 7	†Feb. 9	663
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 7	June 23	2433
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 13	June 28	1966
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Oct. 6	Sept. 21	1383
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	May 25	Aug. 12	1196
16. LOVEWELL, N. N., Telegraphy; Telephony	Aug. 24	Aug. 30	1209
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 21	Apr. 4	1089
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 29	July 6	1735
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Oct. 10	Oct. 1	1552
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 15	June 13	1764
21. THOMPSON, T. J., Textiles	Nov. 1	Jan. 18	738
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 15	1776
23. LEWIS, J. B., Cash Registers; Calculators (part)	July 30	July 27	228
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Jan. 14	†Jan. 8	1088
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	July 20	Sept. 1	1436
26. YOUNG, R. R., Electricity—Generation and Motive Power	June 20	June 16	1801
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	May 31	June 5	1932
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	May 24	Apr. 3	1371
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	July 9	June 18	2061
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 13	July 16	2201
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Mar. 4	†Mar. 4	927
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Sept. 7	Sept. 17	1906
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	July 27	July 25	2679
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 18	Sept. 26	1147
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	July 23	Aug. 24	1809
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1552
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 28	May 29	1314
38. KRAFFT, C. F., Coating Processes; Coating of Plastic Compositions (part); Rubber (part); Ornamentation	Aug. 9	Aug. 28	1232
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 9	May 9	2316
40. DRUMMOND, E. J., Receptacles (part); Packages	Aug. 10	Oct. 3	2315
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 24	July 6	830
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Sept. 27	Oct. 6	957
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	June 15	July 2	1248
44. HARVEY, L. P., Refrigeration; Preserving	May 4	June 6	1154
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 16	July 14	2374
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 11	Aug. 11	1398
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 15	Oct. 1	2500
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Apr. 10	Apr. 10	1887
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 3	Aug. 23	1514
50. LEVIN, SAMUEL, Synthetic Resins	Sept. 18	Sept. 27	2189
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	June 20	June 21	2184
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 4	July 13	2875
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 18	May 18	3129
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 28	May 24	2043
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 12	Sept. 5	1563
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Aug. 10	Aug. 2	1459
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Apr. 8	June 7	2661
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 15	Dec. 5	1208
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	May 15	May 28	2025
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Aug. 27	1789
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	June 7	June 21	2402
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 5	Apr. 17	3323
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	June 2	June 7	1916
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Feb. 14	†Feb. 9	948
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 9	June 13	2335
Trade-Marks: RICHMOND, F. A	Dec. 18	†May 21	10385
Designs: KALUPY, H. H	Nov. 24	†May 21	6354

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE PRUTTON ET AL.

No. 5,156. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 196]

PATENTABILITY—LUBRICATING OILS.

The appealed claims *Held* unpatentable for reasons stated in the decision in companion appeal No. 5,157.

APPEAL from the Patent Office. Affirmed.

Messrs. Oberlin, Limbach & Day for Prutton et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

This appeal is a companion appeal to Patent Appeal No. 5157, handed down concurrently herewith. Both cases were briefed in one brief by the appellants and in separate briefs by the Solicitor for the Patent Office. The records are substantially identical and the references relied upon are the same in the two cases.

The claims in both cases are very similar except that the present claims are broader in that they call merely for an "organic halogen compound" instead of a halogenated hydrocarbon.

The claims are obviously not patentable if the claims in the companion case are not patentable, as we have held, and appellants do not insist that the claims of the instant application are allowable if certain claims in the companion appeal are not allowed.

For the reasons stated in our decision in the said companion appeal, the decision of the Board of Appeals in the instant case is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE PRUTTON ET AL.

No. 5,157. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 193]

1. APPEAL—CLAIMS CONSIDERED.

"Claims 2, 4, 5, 8, 9, 20 to 23, and 25 have been rejected as not reading on elected species and hence need not be considered here."

2. PATENTABILITY—LUBRICATING OILS.

Claims to an improvement agent for mineral lubricating oils *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Oberlin, Limbach & Day for Prutton et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

[1] Appellants have here appealed from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in finally rejecting claims 1 to 25, inclusive, in appellants' application for a patent on an alleged improved agent for lubricating oils. No claims were allowed. Claims 2, 4, 5, 8, 9, 20 to 23, and 25 have been rejected as not reading on elected species and hence need not be considered here.

The claims are all article or composition claims and were rejected by the Examiner upon two references, as follows: Prutton et al., 2,178,513, October 31, 1939; Lincoln et al., 2,264,319, December 2, 1941. Other grounds of rejection were placed upon certain claims which, in view of our conclusion, we need not consider.

Claim 1 was regarded by the Board as illustrative of the herein involved subject matter, and is so regarded by us, and follows:

1. As an improvement agent for mineral lubricating oils, a substantially homogeneous liquid composition, soluble in refined mineral lubricating oil, having a vapor pressure less than atmospheric at a temperature of 140° C., and consisting substantially entirely of (*a*) at least one halogenated hydrocarbon and (*b*) at least one organic sulphur compound.

The alleged invention, which may be fairly understood from a reading of the claims, is described by the Examiner as follows:

The present application relates in general to a compounded lubricating oil addition agent and more particularly to an addition agent comprising at least one halogen hydrocarbon and at least one organic sulphur compound.

Mineral lubricating oils normally have a relatively low film strength or load-carrying capacity and it has become conventional practice in the art to add various types of compounds to improve the extreme pressure characteristics of the oil. Sulphur and chlorine-bearing compounds have been found to be particularly effective for this purpose.

In the preparation of compounded lubricants employing several cooperative addition agents apparently the usual practice has been to separately add the addition agents by a conventional sequential blending process. It is said, however, that the sequential addition of separate addition agents is objectionable due primarily to the uneven blending secured.

In the present instance applicants propose to overcome this objection by forming a mixture of the addition agents and thereby obtain a concentrate which may be subsequently added to or diluted with mineral lubricating oil. The improvement agent or concentrate is blended with such oils in proportions ranging from about 1:100 to about 1:4.

The present addition agent consists substantially of (*a*) an organic halogenated hydrocarbon constituent and (*b*) an organic sulphur-containing constituent, the improvement agent advantageously having a vapor pressure less than atmospheric at a temperature of 140° C. and preferably at a temperature of 170° C. A list of suitable halogenated compounds appears on pages 6 to 8 and of suitable sulphur compounds on pages 8 to 20 of the specification.

The claims were all rejected, first, upon the Prutton et al. patent alone, and, second, upon the Lincoln et al. patent alone, both of which grounds of rejection were approved by the Board.

In rejecting the claims on the Prutton et al. patent, the Examiner stated:

Claims 1, 3, 6, 7, 10 to 19 and 24 are rejected as lacking invention over the patent to Prutton et al. which points out in the preparation of compounded lubricants the advantages of using in combination a halogenated and a sulphur-bearing compounds. Page 1, * * *, for example, discloses that:

"Particularly stated, this invention comprises the combined use as a lubricating composition of organic halogen bearing compounds and sulphur in active form; and the combined use of both such materials as addition agents to lubricating compositions which also contain a suitable lubricating oil such as mineral oil."

An extensive list of halogenated organic compounds, including chlorinated wax, appears on pages 1 and 2 of the patent. The list of sulfur compounds is not so extensive, it being stated in general that the sulphur may be present as elemental sulfur in solution or colloidal suspension or as sulphur-treated oils. Sulphur-treated oils are defined as:

"* * * any suitable oil base which has been treated with sulphur, for example, a composition produced by the heating of the sulphur with a fixed oil such as lard oil or fish oil or to which sulphur or a sulphur compound (e. g., diphenyl disulphide) has been added so that a certain amount of sulphur is present in active or loosely combined form."

The present claims differ essentially from the lubricating compositions described in the patent in that they omit the lubricating oil component, being directed essentially to a mixture of two types of addition agents. There is a definite suggestion in the patent, however, for the preparation of a composition consisting essentially of a mixture of a halogenated compound and sulphur of a sulphur-bearing compound. It is stated on page 3 of the patent that:

"The limit of the amount of the addition agents which may be added to the previously mentioned oil base and which will produce improved results depends, as above indicated upon the reduction in viscosity of the composition caused by the addition of such compounds. For particular uses and *when certain of the more viscous addition agents are employed such addition agents may be present in amounts up to 100%*.

"For example, chlorinated diphenyl ether has a sufficiently high viscosity especially when it contains more than 40% of combined chlorine so that it may be used as a lubricant in the pure state. Halogenated ring compounds of this nature are therefore suitable as a base to which to add the sulphur or sulphur-treated oil directly without any other oil base such as mineral oil to form one type of lubricating composition contemplated by this invention." [Emphasis added.]

Thus this patent definitely discloses a composition consisting essentially of a halogenated organic compound and a sulphur-bearing compound. While such a composition is intended to be used as a lubricant per se rather than as an addition agent, any limitation as to intended use is not regarded as a patentable one. See *In re Thuau*, 57 USPQ 324.

As pointed out above, the number of sulphur-bearing compounds listed in the patent is rather limited although reference is made to diphenyl-disulfide. No mention is made of "alkylated aromatic sulfides" as recited in claim 12 or more specifically, "a halogen-substituted dibenzyl disulfide" recited in claim 24. The present specification lists on pages 8 to 20 an almost endless number of examples of sulphur-bearing compounds said to be suitable for the purpose in question. In the absence of evidence to the contrary, the sulphur-bearing compounds disclosed in the patent are regarded as the full equivalent of the specific compounds covered by claims 12, 13, 15 to 19 and 24. The rejection is therefore deemed sound.

In rejecting the claims on the Lincoln et al. patent, the Examiner said:

The appealed claims are further rejected as lacking invention over the Lincoln patent which discloses a lubricating composition containing a halogen-bearing and a sulphur-bearing compound. This patent * * * discloses that in making blended lubricants containing a mixture of addition agents, the addends may be mixed together first and then added to the lubricating oil. Among the sulphur-bearing addition agents listed is chlorobenzyl disulfide. However, as urged above, the specific addition agents blended are subjected to wide variation and not considered to amount to invention since this represents, at best, a matter of individual selection.

In conclusion, the Examiner stated:

Applicant appears to have merely followed the teaching of the prior art in compounding an improvement agent of the type defined in the appealed claims intended to be added to lubricating oils. It is submitted that patent protection thereon should accordingly be denied.

These views expressed by the Examiner are substantially the views of the Board, although the Board did not find it necessary to so exhaustively treat the question. The Board said in part:

Claims 1, 3, 6, 7, 10 to 19, inclusive, and 24 stand rejected as lacking invention over the patent to Prutton et al. which is relied upon by the Examiner as pointing out certain advantages in using a halogenated and a sulphur-bearing compound in combination. The patentees disclose halogenated hydrocarbons as well as organic sulphur compounds to be added to mineral oils to produce lubricating compositions of the extreme pressure type to which the present invention is addressed.

* * * We have given careful consideration to this rejection in the light of appellants' remarks in their brief and we reach the conclusion that the rejection as stated by the Examiner is proper and should be sustained.

The claims stand further rejected as lacking invention over the patent to Lincoln et al. which is relied upon as disclosing a lubricating composition containing a halogen-bearing and a sulphur-bearing organic compound in which the composition consists essentially of these two components. Lincoln et al. state in their specification that in making blends of the type with which this patent is concerned the addends may be mixed together first and then added to the oil as appellants here do, or one addend may be combined with the oil after which the second may be blended in, which appears to have been common practice in the prior art according to appellants' arguments. In view of the wide variation to which the blending agents are subject, it was the Examiner's view that the blending of specific halogenated hydrocarbons with specific organic sulphur compounds did not amount to invention but represented nothing more than a matter of individual selection.

* * * It is * * * our conclusion that the claims stand properly rejected on the Lincoln et al. patent for the reasons * * * pointed out by the Examiner in his statement and this rejection will also be sustained.

Appellants contested before the tribunals below the propriety of using the Lincoln et al. patent as a reference in view of certain affidavits filed seeking to overcome said reference under rule 75 of the Rules of Practice of the United States Patent Office and much of the discussion in the brief of appellants and that of the Solicitor for the Patent Office is devoted to the question as to whether or not the affidavits sufficiently warrant the withdrawal of the Lincoln et al. patent as a reference. We have carefully considered the arguments concerning the Lincoln et al. patent and while we are not impressed with the contentions of the appellants with respect thereto we find it unnecessary to consider this reference in view of the fact that we are of the opinion that the rejection on the part of the Examiner, which was approved by the Board, on the patent to Prutton et al. was sound.

The Lincoln et al. patent was cited for the purpose of showing that the addition agents may be mixed before they are added to the lubricating oil, as is done in the instant application. It is our view that the disclosure of Prutton et al. (the inventors therein being two of the alleged inventors in the instant application) are such that no patentable improvement thereover is disclosed in the instant application. It would seem to be simply a matter of choice whether the addition agents were first mixed and then added to the oil or whether the procedure outlined in the Prutton et al. patent was followed. Even if improved results flowed from mixing the addition agents before contacting the oil, the record does not disclose that such results are so unexpected or of such importance under the circumstances as to indicate invention.

In this view it is unnecessary for us to consider the Lincoln et al. patent and we have quoted the portions of the decisions of the tribunals below with reference to the application of the Lincoln et al. patent merely for the purpose of presenting the whole picture.

The Prutton et al. patent discloses a lubricant containing halogenated hydrocarbons and sulphur. There is nothing new about the use of these with a lubricating composition and they may be used alone as a lubricant. The sulphur may be in the form of a compound such as diphenyl disulfide.

In their brief appellants state:

Their prior patent relates to lubricating compositions containing a major proportion of mineral lubricating oil and minor proportions of separate halogen and sulphur compounds. They had discovered the cooperative effect between halogen and sulphur referred to above. That broad concept is not, however, the concept of a specific additive as defined by the present claims. In their prior patent Prutton and Smith taught broadly that when halogen and sulphur are present in combination in a lubricant, there is an unexpected cooperative effect. *In the present cases, these same inventors, with a third joint inventor, make the further contribution to the art by teaching that when, in this broad field of use of halogen and sulphur compounds, one prepares additive materials of particularly selected representative examples of each broad class, so that one has a liquid homogeneous mass, and then, after such liquid homogeneous mass has been prepared, adds it to the oil base, an unexpected result is scoured.* [Italics supplied.]

It seems that appellants argue here that because they have picked out from their disclosed additive ingredients "particularly selected representative examples of each broad class, so that one has a liquid homogeneous mass," they have improved the art in a patentable sense. In other words, it is argued that since Prutton and Smith have had a patent relating to the many halogenated hydrocarbons, including chlorinated paraffin wax, which is included in appellants' preferred species, the appellants are now entitled to another patent for taking the same materials and selecting from those materials those that will bring about the best results.

The Solicitor makes the point that the Prutton et al. patent discloses the exact composition covered by appealed claim 1 and that "while the patentees intend to use the composition alone, instead of mixing it with other lubricants, this is not a patentable distinction in view of the conventional practice of using various lubricating materials alone or in mixtures."

The Solicitor further states, with reference to the changes on various halogenated hydrocarbons and organic sulphur compounds covered in the other claims, that "the number of these claimed, and the much larger number disclosed as suitable in appellants' specification clearly show that there is nothing critical about any of them; and there is no evidence of record that any one of them is unexpectedly superior to the others. Accordingly, the specific claims are unpatentable for the same reasons as the broader claim 1."

We agree with the conclusion reached by the Patent Office tribunals and with the said statements of the Solicitor. The question does not seem to us to be a close one, and no extended discussion of the many arguments in appellants' brief, of which we have made careful note, need be entered into here.

[2] We are in agreement with the holding of the Board of Appeals, and its decision affirming that of the Examiner in rejecting the appealed claims is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE MCGEORGE ET AL.

No. 5,172. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 210]

PATENTABILITY—STOMACH POWDERS AND PREPARATION.

"The decision of the Board of Appeals is modified, being affirmed as to claims 2, 9, 18, and 25, and reversed as to claims 5 and 6, which, we think, are patentable over the prior art cited, and, owing to the fact that claims 5 and 6 are generic claims, the decision of the Board is also reversed so far as it held that claims 7, 8, and 19 to 24, inclusive, were properly rejected by the Primary Examiner on the ground that they were drawn to a non-elected species."

APPEAL from the Patent Office. Modified.

Mr. Irvin S. Thompson for McGeorge et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 1 to 10, inclusive, and 18 to 27, inclusive) in appellants' application for a patent for an alleged invention relating to so-called "Stomach powders," and a process for making the same.

At the time of the oral arguments in this court, counsel for appellants moved to dismiss the appeal as to claims 1, 3, 4, 10, 26, and 27. The motion will be granted.

Claims 7, 8, 10, and 19 to 24, inclusive, were rejected by the tribunals of the Patent Office as being drawn to non-elected species. They, therefore, need not be considered here on their merits.

Claims 2, 5, 6, 9, and 25 are process claims and were rejected by the Primary Examiner on the prior art.

Claim 18 is for appellants' product and was also rejected on the prior art.

Claim 2, which is illustrative of claim 9, and claims 5, 6, and 18 which are before us on their merits read:

2. A process for the preparation of a stomach powder base comprising mixing a solution containing not more than 100 parts by weight of sodium carbonate in 230 parts by weight of water, with a solution of calcium chloride and magnesium chloride containing calcium and magnesium in the proportions desired in the product and at the rate of not more than 100 parts by weight of the two chlorides in 155 parts by weight of water, the quantity of the sodium carbonate solution being in excess of the theoretical quantity required for precipitating the calcium and magnesium, and digesting the mixture at a raised temperature for a period of time to convert the precipitate into a finely divided form which rapidly settles in the absence of agitation, and then washing and drying the precipitate.

5. In a process for the preparation of the carbonate salts of calcium and magnesium, wherein a solution containing both calcium and magnesium salts is prepared from a material containing both calcium and magnesium in carbonate form by means of an acid and is mixed with a water-soluble carbonate salt in aqueous solution for a duration and at elevated temperatures resulting in the co-precipitation of both calcium and magnesium in carbonate form and in a finely divided and intimately mixed condition, the steps of dissolving 184 grms. of dolomite in 456.3 grms. of 32% hydrochloric acid and making the volume up to 1980 mls. to form the solution of the mixed carbonates and dissolving 223 grms. of anhydrous sodium carbonate in water to a final volume of 1980 mls. to give the aqueous solution of the water-soluble carbonate.

6. A process for the preparation of the carbonate salts of calcium and magnesium, wherein dolomite is dissolved in 32% hydrochloric acid at the rate of 184 grms. of

dolomite to 456.3 grms. of acid, and the volume is made up with water to a total of 1980 mls. per 184 grms. of dolomite; and anhydrous sodium carbonate is dissolved in water to give a solution containing 223 grms. per 1980 mls; and taking equal volumes of the solutions thus obtained, approximately 1% by volume of each solution is added to the remainder of the other solution, the two mixtures heated separately to 70° C. and filtered, whereafter the filtrates are caused to interact to give the co-precipitation of both calcium and magnesium in carbonate form and in a finely divided and intimately mixed condition.

18. As a new composition of matter, a precipitation product comprising finely divided and intimately mixed carbonate salts of magnesium and calcium and less than 10% occluded sodium.

The references are: Mellor—Comprehensive Treatise on Inorganic and Theoretical Chemistry, Vol. 4, pages 372, 375 (1923); Gutman—Modern Drug Encyclopedia (1934), page 347; U. S. Dispensatory, 21 Ed. (1926), pages 251, 667, 668.

The purpose of appellants' process is to produce a stomach powder by co-precipitation of calcium and magnesium in carbonate form and in a finely divided and intimately mixed condition.

According to claim 2, appellants' process comprises mixing a sodium carbonate solution with a calcium chloride and magnesium chloride solution, the chlorides being in the proportions stated in the claim and the quantity of sodium carbonate solution being in excess of the amount required for precipitating the calcium and magnesium, "digesting the mixture at a raised temperature for a period of time to convert the precipitate into a finely divided form which rapidly settles in the absence of agitation, and then washing and drying the precipitate."

In other words, by the process described in claim 2, calcium chloride and magnesium chloride are converted into calcium and magnesium carbonates by a solution of sodium carbonate.

It will be observed that there is nothing in claim 2 which calls for co-precipitation of the calcium and magnesium in carbonate form which is the gist of appellants' invention, as stated in their application and as claimed here in the brief of counsel for appellants.

The Primary Examiner rejected claim 2 as being unpatentable over the disclosures in the references Mellor and U. S. Dispensatory, supra. In so doing, the Examiner relied upon the following statement in the Mellor treatise: "According to T. S. Hunt, sodium hydrocarbonate [bicarbonate] precipitates *at first* almost wholly calcium carbonate from a mixed soln. of calcium and magnesium chlorides; and then follows hydrated magnesium carbonate" [italics not quoted], and stated that the U. S. Dispensatory discloses that washing and drying of precipitates of the carbonates is conventional; that so-called "digestion," after precipitation, "is a well known process step, as shown by the Dispensatory, page 668"; and that the same authority discloses that it is old to use high temperatures in the precipitation of carbonates.

The Examiner also rejected claim 18, the product claim, on the disclosures in the Mellor and Gutman references.

The Gutman reference discloses a composition consisting of 50% of magnesium carbonate and 50% of calcium carbonate. Just how the reference product is prepared is not stated. However, there is nothing of record to indicate that the components of the product are not finely divided and intimately mixed.

It will be observed from claim 5 that appellants' process, as therein defined, comprises the preparation of carbonate salts of calcium and magnesium by first converting the carbonate salts of calcium and magnesium into calcium and magnesium chlorides by means of an acid, as stated in that claim, or hydrochloric acid, as stated in claim 6. Thereafter the chlorides are mixed "with a water-soluble carbonate salt in aqueous solution" at elevated temperatures, resulting, as stated in claim 5, in the "*co-precipitation of both calcium and magnesium in carbonate form and in a finely divided and intimately mixed condition.*" [Italics not quoted.] Claim 6 defines a similar process. Each of those claims contains limitations as to the proportions of the various ingredients used in appellants' process.

Although claims 5 and 6 were rejected by the tribunals of the Patent Office on the disclosure in the Mellor reference, wherein it is stated that dolomite is soluble in several acids and that T. S. Hunt precipitated calcium carbonate and magnesium carbonate from a mixed solution of calcium and magnesium chlorides by means of sodium bicarbonate, it clearly appears from the Mellor disclosure that Hunt produced in sequence, first calcium carbonate and then magnesium carbonate. It does not appear that he produced those carbonates simultaneously by co-precipitation, as called for by claims 5 and 6.

It is apparent that by co-precipitation in the processes defined in claims 5 and 6, which are generic claims, a more intimate mixture of calcium and magnesium carbonates would be obtained than by successive precipitation of those substances. That, in our opinion, is appellants' contribution to the art. We hold, therefore, that claims 5 and 6 define patentable subject matter over the art of record.

Claim 25 is somewhat similar to claims 5 and 6, except that it is not limited to co-precipitation of calcium and magnesium carbonates.

The appeal is dismissed as to claims 1, 3, 4, 10, 26, and 27.

For the reasons stated, the decision of the Board of Appeals is modified, being affirmed as to claims 2, 9, 18, and 25, and reversed as to claims 5 and 6, which, we think, are patentable over the prior art cited, and, owing to the fact that claims 5 and 6 are generic claims, the decision of the Board is also reversed so far as it held that claims 7, 8, and 19 to 24, inclusive, were properly rejected by the Primary Examiner on the ground that they were drawn to a non-elected species.

Modified.

GARRETT, *J. P.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE SEAVEY

No. 5,182. Decided June 11, 1946. Petition for rehearing denied July 9, 1946

[— F.(2d) —; 70 USPQ 214]

1. PATENTABILITY—INVENTION.
   Where there was a clear suggestion in a reference patent that if a plastic material of sufficient strength could be discovered, it would be a suitable material to be used in making detonator shells, *Held* that the discovery of an organic plastic material having the necessary characteristics would, in view of the disclosure in the patent, "be a mere routine investigation and would not involve invention"; and *Held* that this view was confirmed by the unchallenged statement of the Primary Examiner that the properties of various organic plastics, including their impact strength, were well known in the art prior to the filing of appellant's application.
2. SAME—NON-ELECTED SPECIES.
   "As no generic claim has been allowed, claims 8 and 10, which were drawn to non-elected species were properly rejected in the involved application."
3. SAME—DETONATOR SHELL.
   Certain claims to a detonator shell *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. John H. Sutherland (*Mr. Richard G. Radue* of counsel) for Seavey.

Mr. W. W. Cochran (*Mr. Pasquale J. Federico* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 1, 2, 3, and 6 to 10, inclusive, in appellant's application for a patent for an invention relating to electric detonators, particularly those employed "for initiating the explosion" of explosives in blasting operations.

Claims 11 and 19 were allowed by the Primary Examiner.

At the time of the oral arguments in this court, counsel for appellant moved to dismiss the appeal as to claim 6. The motion will be granted.

Claims 8 and 10 were rejected as being drawn to non-elected species and, therefore, need not be considered here on their merits.

Claim 1, which is a generic claim, and claim 9, which is drawn to an elected species, are sufficiently illustrative of the claims here on appeal. They read:

1. A rigid detonator shell composed of molded organic plastic having an impact strength of at least 0.75 foot pounds.

9. A rigid detonator having a shell composed of plasticized ethyl cellulose, and a plug for said shell composed of polystyrene; said plug sealing the shell and being intimately bonded therewith.

The Primary Examiner relied upon the following references: Mowbray, 139,686, June 10, 1873; Paulus, 323,524, Aug. 4, 1885; Ward et al., 459,321, Sept. 8, 1891; Mellersh-Jackson (British), 17,443, of 1915; Eschbach et al. (British), 310,364, Apr. 22, 1930; von Herz (British), 382,247, Oct. 20, 1932.

The appealed claims were rejected by the Primary Examiner on the patents to Mowbray and von Herz, and claim 9 was further rejected on the patent to von Herz in view of the patent to Mowbray. The other references of record were cited against claim 6, which is not now before us, and claim 21, which was not included in appellant's reasons of appeal. Accordingly, the only references which need be considered here are the patents to Mowbray and von Herz.

Appellant's detonator comprises a hollow cylindrical shell of molded organic plastic material, having, as stated in claim 1, "an impact strength of at least 0.75 foot pounds," and containing an explosive charge. The open end of the shell is closed by a plug of molded plastic material, such as polystyrene, called for in quoted claim 9. The plug carries an electric ignition device for igniting the charge, and also the necessary wires for conducting current to the ignition device. The plug and shell are intimately bonded together by a volatile solvent. It is stated in appellant's application that a great variety of moldable plastic materials are suitable for making the shell and the plug.

The patent to Mowbray relates to improvements in electric fuses, and discloses a detonator comprising a composite shell having an inner copper lining and an outer coating of gutta-percha, the gutta-percha coating being molded over the copper lining. The open end of the shell is closed by a plug of gutta-percha which carries the ignition device and the necessary wires therefor. The plug and shell are cemented together by a suitable solution of gutta-percha, thus forming an intimate bond between the shell and the gutta-percha plug.

The patent to von Herz relates to detonating cap casings, and discloses a detonating cap casing composed, according to the patentee, of "vulcanised fibre," which "is made by subjecting cellulose which has been swollen and partially dissolved by means of zinc chloride or other substances to the action of high pressure and heat." The patentee states that—

> A particular advantage of using vulcanised fibre is that the attachment to the fuses of the detonating caps made therefrom may be effected in precisely the same way as in the case of metal casings, i. e. *by contracting or pinching with pincers or the usual apparatus* * * * [and that] the casing of vulcanised fibre maintains the shape given to it by the profile of the pincers, in spite of the counteracting elasticity of the fuse, and so a union is ensured the strength and certainty of which undergoes no change even after months. [Italics not quoted.]

The patentee further states that—

> Even the most diverse artificial substances like Celluloid, Cellon, artificial resins, etc., have been tried as material for the casings. These attempts, however, have not met with any success, on the one hand owing to the deficient strength of most of these substances, which latter therefore do not provide the sensitive igniting charge with sufficient protection against compression * * *.

In rejecting the appealed claims, the Primary Examiner stated that they were unpatentable over the patent to Mowbray, owing to the fact that the patentee discloses the molding of an organic plastic material, such as gutta-percha, over a copper lining; that there would be no invention in omitting the lining if it were desired to do so; and that, furthermore, as the properties of various plastics,

including their impact strength, were well known, it would not involve invention to select an organic plastic material having an impact strength of at least 0.75 foot pounds to be used in making a rigid detonator shell. The Examiner also rejected the appealed claims on the patent to von Herz, stating that the patentee discloses that detonator shells have been made of Celluloid, Cellon, and artificial resins and that, although the patentee stated that such materials had been found deficient in strength, it would not involve invention for one skilled in the art to select a moldable organic plastic material which had an impact strength of at least 0.75 foot pounds, as called for by appealed claims 1, 2, and 3.

Claim 9, which calls for the intimate bonding of the plastic shell and plastic plug for the detonator, was rejected by the Primary Examiner on the disclosure in the patent to von Herz in view of the disclosure in the patent to Mowbray, the Examiner stating that the patent to Mowbray discloses the "intimate bonding of a plastic shell and plastic plug," and that there would be no invention in "bonding plastics together to make sealed joints."

In affirming the decision of the Primary Examiner, the Board of Appeals stated that the patent to von Herz was the most pertinent reference; that the patentee referred to the advantages in using organic "vulcanised fibre," which, the Board stated, could be "molded to the fuse"; that it did not regard the impact strength of appellant's detonator shell of at least 0.75 foot pounds as critical; and that the determination of such strength was the "result of routine investigation."

Although it is alleged in the brief of counsel for appellant that the impact strength of at least 0.75 foot pounds, called for by appealed claims 1, 2, and 3, is critical, there is nothing whatsoever in the record to indicate that that is a fact. Obviously, in using plastics, it was necessary for appellant to experiment in order to ascertain the impact strength necessary for a detonator shell.

It is contended by counsel for appellant that the Board erred in holding that the "vulcanised fibre," disclosed in the patent to von Herz, is a moldable material within the meaning of that term as used in appellant's application. In support of his argument, counsel cites "Ellis, The Chemistry of Synthetic Resins, 1935 Edition, p. 1294."

[1] Whether the "Vulcanised fibre," which the patentee von Herz used as a material in making his detonating cap casing, is a moldable material in the sense that organic plastic material may be molded need not be decided here. Although the patentee states, as hereinbefore noted, that artificial resins (organic plastics) have been used as a material for making detonator casings, he further states that the use of such resins was not successful, owing to the fact that they did not possess sufficient strength. However, there is a clear suggestion in the patent that if a plastic material of sufficient strength could be discovered, it would be a suitable material to be used in making detonator shells. See *In re Lloyd E. Smith*, 32 C. C. P. A. (Patents) 959, 148 F.(2d) 351, 65 USPQ 167, 578 O. G. 447.

We are of opinion that, although the patentee von Herz had not discovered an organic plastic material which possessed sufficient rigidity and strength to make it suitable for use in making detonator shells, the discovery of an organic plastic material having the necessary characteristics would, as stated by the Board, in view of the disclosure in the von Herz patent, be a mere routine investigation and would not involve invention. We are confirmed in this view by the Primary Examiner's statement to the Board of Appeals that the properties of various organic plastics, including their impact strength, were well known in the art prior to the filing of appellant's application, which statement of the Examiner is not questioned here by counsel for appellant.

Claim 9, which calls for a plug, composed of an organic plastic material (polystyrene), sealing the shell and being intimately bonded therewith, was properly rejected by the Primary Examiner on the disclosure in the patent to von Herz in view of the disclosure in the patent to Mowbray.

The appeal is dismissed as to claim 6.

[2] As no generic claim has been allowed, claims 8 and 10, which were drawn to non-elected species, were properly rejected in the involved application.

[3] For the reasons stated, the decision of the Board of Appeals, affirming the decision of the Primary Examiner rejecting claims 1, 2, 3, 7, and 9 on the references of record, is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE PINKERTON

No. 5,192. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 232]

PATENTABILITY—MOTOR FUEL.

In the absence of a showing that the specified steps are critical, claims to a process of producing motor fuel *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Pennie, Davis, Marvin & Edmonds (*Mr. Louis D. Forward* and *Mr. Clarence M. Fisher* of counsel) for Pinkerton.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting the claims (Nos. 1 and 2) in appellant's application for a patent for an alleged invention relating to the production of motor fuel by "the alkylation of butylenes with isobutane in the presence of" a catalyst, such as sulphuric acid.

The appealed claims read:

1. In the production of motor fuel by the alkylation of butylenes with isobutane in the presence of strong sulfuric acid with intimate admixture of the hydrocarbon and acid in a reaction zone, the steps of separately cooling of the acid and hydrocarbon to temperatures substantially below the temperature of the mixture of acid and hydrocarbon before the acid and hydrocarbon feed are brought into contact with each other or with the reaction mixture.

2. The process as in claim 1, in which the acid and hydrocarbon are cooled to a temperature about 20° F. or more below that of the mixture of acid and hydrocarbon undergoing reaction in the reaction zone.

The references are: Pyzel, 2,232,674, February 18, 1941; Altshuler et al., 2,238,802, April 15, 1941; Parker, 2,286,504, June 16, 1942.

The alleged invention is sufficiently described in the appealed claims.

The claims were rejected by the Primary Examiner on each of the reference patents, and his rejection was affirmed by the Board of Appeals.

Each of the reference patents discloses the catalytic treatment of hydrocarbons in a reaction zone by acids at a reduced temperature.

Owing to the views we hold, it is unnecessary that we here describe the disclosures in the patents to Pyzel and Parker, as we are of opinion that the claims are unpatentable in view of the disclosure in the patent to Altshuler et al.

The patent to Altshuler et al. relates to a process of producing motor fuel by reacting butylenes with isobutane in the presence of a catalyst (sulphuric acid) in a reaction zone, and discloses the cooling of the hydrocarbons prior to the mixture of the same with the catalyst.

None of the references discloses the cooling of the catalyst prior to its contact with the hydrocarbons, whereas the appealed claims call for "separately cooling of the acid and hydrocarbon to temperatures substantially below the temperature of the mixture of acid and hydrocarbon before" they are brought into contact with each other.

It was the view of the Board of Appeals that, although the hydrocarbon and the catalyst are cooled separately in appellant's process substantially below the temperature of the mixture of acid and hydrocarbon before they are brought into contact, as called for by claim 1, and are cooled separately to a temperature of about 20° F. or more below the mixture of acid and hydrocarbon, as called for by claim 2, the cooling of the hydrocarbon, as disclosed in the patent to Altshuler et al., would obviously, to some extent, cool the catalyst (sulphuric acid) when the two are brought into contact, and that as there is nothing of record to indicate that the cooling of the hydrocarbon and acid separately, or the degree to which they are cooled, is critical or would bring about an unexpected result, the claims do not define patentable subject matter in view of the prior art disclosures.

Although the appealed claims call for the cooling separately of the acid and the hydrocarbon, appellant states in his application that if the isobutane and olefin are separately supplied and the acid and the olefin portion of the hydrocarbon are cooled separately, the object of his invention will be carried out.

The theory of appellant is that the separate cooling of the catalyst and the hydrocarbon before admixture to a temperature sufficiently below that used in the reaction zone is such that the reaction does not raise the temperature substantially above that desired to be maintained in the reaction chamber; that such process is not disclosed in the prior art; that his process brings about an improved result; and that, therefore, the claims are patentable over the references of record.

It may be, as agued by counsel for appellant, that appellant's process is an improvement over the prior art. However, there is nothing in appellant's application to indicate either that the cooling of the catalyst and hydrocarbon separately, or that the cooling of each substance below the temperature of the mixture before they are brought into contact, is critical. Nor is there anything of record to indicate that the cooling of the acid and the hydrocarbon to a temperature of "about 20° F. or more below that of the mixture of acid and hydrocarbon undergoing reaction in the reaction zone," as called for by appealed claim 2, is critical.

We have given careful consideration to the arguments of counsel for appellant, but are of opinion, as were the tribunals of the Patent Office, that the appealed claims are not patentable over the references of record. Accordingly, the decision of the Board of Appeals is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE DRISSNER ET AL.

No. 5,198. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 236]

1. CLAIMS—FUNCTIONAL LIMITATIONS.
"Apparatus claims must, in order to be patentable, distinguish over the prior art in terms of structure. They cannot be held to be patentable merely on the basis of functional limitations."

2. PATENTABILITY—INVENTION—HOUSINGS.
"Housings for various parts of a machine do not involve patentable subject matter."

3. SAME—SINGLE SPINDLE AUTOMATIC SCREW MACHINE.
In appellants' application on a single spindle automatic screw machine, one appealed claim *Held* patentable over the prior art, but the remaining appealed claims *Held* unpatentable.

APPEAL from the Patent Office. Modified.

Mr. C. A. Weed for Drissner et al.

Mr. W. W. Cochran for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 20, 44, 45, 73, 84, 85, 86, 87, and 90

to 102, inclusive, in appellants' application for a patent for an invention relating to improvements in "single spindle automatic screw machines."

Twenty-seven claims have been allowed by the Primary Examiner.

Claims 20, 44, 73, 84, 90, 91, 92, 94, 95, and 96 are illustrative of the appealed claims. They read:

20. In a metal working machine having a rotary spindle and cooperating tool mechanism, a series of cross slides encircling said spindle, means for feeding bar stock through the spindle and including finger holding mechanism having a double toggle provided with a roller at the junction of the toggle levers, and a pair of relatively shiftable socketed members for receiving the opposite ends of said levers, the diameter of the roller being such that the distance between the opposing faces of said shiftable socketed members when shifted toward each other is but slightly greater than the diameter of the roller.

44. An automatic single spindle screw machine comprising a single rotary work spindle, mechanism for rotating it, feeding and chucking mechanisms for said spindle, a series of side and top tool cross slides encircling the rotary spindle, mechanism for operating said cross slides, an indexible tool turret having reciprocating independently operated tool slides, mechanism for reciprocating said slides, and mechanism for indexing the tool turret, all of said operating mechanisms being completely housed by a pair of assembled housings in rear of the cross slides and by a housing spaced from the cross slides and between which last housing and cross slides the indexible tool turret is located.

73. The machine of claim 66 in which the tool turret indexing means is operatively controlled by the locking means and gradually stopped thereby.

84. In an automatic single spindle machine, the combination of a single rotary work spindle, means for rotating it, an indexible tool turret having reciprocating independently operated tool slides, means for reciprocating said slides, means located beyond the outer end of the tool turret for indexing the tool turret, a series of side and top tool slides encircling the rotary spindle, and means for operating said slides, the operating means for the tool turret being located in a housing positioned at the outer end of the tool turret.

90. The machine of claim 66 in which the locking means gradually stops the indexing means.

91. In an automatic single spindle machine, the combination of a single rotary spindle, means for operating the spindle, a cam shaft, a clutch for controlling the speed of said spindle, fluid operative means for controlling the operation of said clutch, and cam shaft controlled valve mechanism for controlling the operation of said fluid means and thereby the operation of said clutch.

92. In an automatic single spindle machine, the combination of a single rotary spindle, means for rotating the spindle, a cam shaft, work holding means carried by the spindle, fluid operative means for controlling the operation of said work holding means, and cam shaft controlled valve mechanism for controlling the operation of said fluid means and thereby the operation of said work holding means.

94. In an automatic single spindle machine, the combination of a single rotary spindle, means for rotating the spindle, a cam shaft, an indexible tool turret, fluid operative means for indexing the turret, and cam shaft controlled valve mechanism for controlling the operation of said fluid means and thereby the indexing of the turret.

95. In an automatic single spindle machine, the combination of a single rotary spindle, means for rotating the spindle, a cam shaft, an indexible tool turret having reciprocating independently operated tool slides, fluid operative means for operating the tool slides, and cam shaft controlled valve mechanism for controlling the operation of said fluid means and thereby the operation of the slides.

96. In an automatic single spindle machine, the combination of a single rotary spindle, means for rotating the spindle, a cam shaft, an indexible tool turret, means for locking said turret, fluid operative means for controlling the operation of said locking means, and cam shaft controlled valve mechanism for controlling the operation of said fluid means and thereby the operation of said locking means.

The references are: Gerry, 332,889, December 22, 1885; Gridley, 725,438, April 14, 1903; Drissner, 1,567,790, December 29, 1925; Drissner, 1,604,116, October 26, 1926; Blood et al., 1,924,594, August 29, 1933; Whipp et al., 2,027,568, January 14, 1936; Spring, 2,053,748, September 8, 1936; Simpson, 2,103,342, December 28, 1937; Curtis, 2,118,021, May 17, 1938; Potter et al., 2,118,024, May 17, 1938.

Appellants' device is a machine for performing various operations, such as boring or cutting on metal bar stock. The machine comprises a hollow rotatable spindle through which the bar stock passes longitudinally. Adjacent one end of the spindle, top and cross slides are mounted which are adapted to move various tools toward and from the stock. Those tools, which approach the bar stock from the side, perform the desired operations on the stock. A turret is provided beyond the end of the spindle for performing operations on the end of the stock. The turret carries four sets of guides along which tools may be moved toward or from the end of the stock as it is held by the spindle. The turret may be rotated to bring any one of the sets of guides into position so that the tool carried thereby may act on the stock.

The stock, in appellants' device, is held in the spindle by a collet or socket which has a bevelled outer surface engaging a correspondingly bevelled surface on an outer sleeve member which surrounds the collet. The collet is attached to a tube, and longitudinal movement of the tube produces a relative movement between the bevelled surfaces of the collet and outer sleeve member, thus causing the collet to contract and grip the stock. The longitudinal movement is effected by a toggle comprising levers, the outer ends of which are received in sockets while their inner ends are connected to a roller, the arrangement being such that the diameter of the roller is almost as great as the space between the sockets when the arms of the toggle are shifted toward each other.

The turret, which supports the tools adapted to engage the end of the stock, may be indexed (i. e., rotated to bring a desired tool opposite the stock) by means of a hydraulic mechanism which is mounted at one end of the machine.

The spindle is driven by a motor through a train of gears including two gears which are mounted on a common shaft and which are alternatively connected to and disconnected from the shaft by means of a clutch. The arrangement is such that the spindle will be driven at one speed when one of the gears is clutched to the shaft and at another speed when the other gear is clutched to it. The clutch is shifted by means of a hydraulically actuated piston and the movement of the piston is controlled by a valve actuated by a cam shaft.

Claim 20 is directed to appellants' toggle arrangement in which one end of each of two toggle arms is joined to a roller and the other ends of the arms are mounted in sockets, the roller being only slightly smaller than the space between the members in which the sockets are formed when the toggle is in closed position.

The Primary Examiner rejected claim 20 on the disclosure in the patent to Gerry and the disclosure in the Drissner Patent No. 1,567,790, stating that the Drissner patent was cited as disclosing the cross slides encircling the spindle, as called for in that claim.

The patentee Gerry discloses a structure in which two toggle arms are pivoted together at one end, but the pivot pin is not a roller and is much smaller than the space between the members to which the opposite ends of the toggle arms are joined, whereas in appellants' structure, as hereinbefore noted, the roller to which the toggle arms are pivoted is almost as large as the space between the members. Furthermore, in the patentee's structure, neither of the toggle arms has its outer end in a socket. Although the function of Gerry's toggle is generally similar to that of appellants, the patentee neither discloses nor suggests the particular arrangement of the toggle and associated elements called for by appealed claim 20. Accordingly, we are of opinion that the structure defined by claim 20 is patentable over the references of record.

Claims 44 and 45 were rejected on the Drissner patent, No. 1,567,790, which discloses a single spindle machine having the same general arrangement of the spindle, gears, cross slides, and tool turret with guides for holding tools to act longitudinally on the stock, as called for by those claims, in view of the disclosures in the patents to Whipp et al., Spring, Simpson, and Potter et al.

Claims 44 and 45 are distinguishable from the Drissner patent only in that they call for housings for various parts of the machine.

The idea of providing housings for mechanisms of various kinds is conventional, as disclosed in each of the patents to Whipp et al., Spring, Simpson, and Potter et al. We are of opinion, therefore, that claims 44 and 45 do not define patentable subject matter.

Claims 73 and 90 have been rejected on allowed claim 66 on which they depend.

Claim 66 defines an apparatus.

Claims 73 and 90 define no structure in addition to that of claim 66, but merely state that the apparatus operates in a particular way.

[1] Apparatus claims must, in order to be patentable, distinguish over the prior art in terms of structure. They cannot be held to be patentable merely on the basis of functional limitations. *In re Carr*, 28 C. C. P. A. (Patents) 1240, 120 F.(2d) 386, 49 USPQ 657, 530 O. G. 747; *In re Schmidt et al.*, 30 C. C. P. A. (Patents) 785, 132 F.(2d) 869, 56 USPQ 317, 549 O. G. 4; *In re Stattmann*, 32 C. C. P. A. (Patents) 813, 146 F.(2d) 290, 64 USPQ 245, 571 O. G. 351. It is clear, therefore, that claims 73 and 90 are not materially different from claim 66, but depend upon exactly the same structure as that claim for patentability. Had claim 73 included the statment that the tool turret indexing means is operatively connected to, and controlled by, the locking means, a different situation would have been presented. We are of opinion, however, that claims 73 and 90, as drawn, do not involve patentable subject matter.

Claims 84, 85, 86, and 87, which call for housings for various parts of appellants' machine, were rejected on the Drissner patent, No. 1,567,790.

[2] As hereinbefore stated in connection with claims 44 and 45, housings for various parts of a machine do not involve patentable subject matter.

In addition to the housings, claims 84, 85, 86, and 87 distinguish from the disclosure in the patent to Drissner in stating that the indexing means for the tool turret is located beyond the outer end of the turret. We have carefully considered the arguments of counsel for appellants with regard to that feature, but are unable to hold that the tribunals of the Patent Office erred in concluding that the location of the indexing means, as defined in those claims, does not involve invention.

Claim 91 was rejected by the tribunals of the Patent Office on the disclosure in the patent to Curtis, in view of the disclosure in the Drissner Patent No. 1,604,116.

The patentee Curtis discloses a single spindle machine having change-speed gearing, including a hydraulically operated clutch. The operation of the patentee's clutch is controlled by a valve which is actuated by a solenoid.

It is argued by counsel for appellants that the Curtis device is not a "single spindle machine as commonly understood for the spindle * * * does not carry stock rods nor are such rods fed therethrough."

We are unable to agree with that contention of counsel. The spindle in the Curtis device is described by the patentee as "a vertical spindle," and holds the work to be operated on. It is, therefore, in our opinion, a spindle within the meaning of that term as used in claim 91, which merely calls for a rotary spindle and does not state that the work passes therethrough. Claim 91 distinguishes from Curtis only in that it calls for a cam shaft, and states that the valve which controls the clutch is "cam shaft controlled." The claim does not specify the location or operating connections of the cam shaft, nor does it state that the cam shaft actuates the valve directly rather than through a solenoid or other intermediate means.

The actuation of various machine parts by cams is conventional, and the Drissner Patent No. 1,604,116 discloses that it is old to control the valves of a metal working machine by means of a cam shaft. In view of the disclosures in the patents to Curtis and Drissner (No. 1,604,116) we are of opinion that claim 91 does not define patentable subject matter.

Claims 92 and 93 are directed to fluid operated means for controlling the feeding and holding of the stock.

Those claims were rejected on the disclosure in the Drissner patent, No. 1,567,790, in view of the disclosure in Drissner's Patent No. 1,604,116, and are readable on the disclosure in the latter patent, except that they call for a single spindle machine, whereas the patent discloses a machine having five spindles. However, the patentee expressly states that his machine may be a "single spindle or multiple spindle screw" machine.

Claims 92 and 93 call for no structure which is peculiar to a single spindle machine. Under the

related circumstances, we hold that those claims do not define patentable subject matter.

Claim 94 is drawn to fluid operated means, controlled by a cam shaft, for indexing the tool turret, and was rejected on the disclosure in the patent to Curtis.

In the Curtis machine, the motor is driven electrically, rather than by fluid pressure, and is controlled by projections or dogs, rather than by cams. However, there is nothing new either in fluid pressure operation of motors, which is disclosed in the patent to Blood et al., or in cam shaft control. Accordingly, those features broadly called for in claim 94 do not define patentable subject matter.

Claim 95 is directed to the fluid pressure operating means of the "tool slides" of the turret, and to the cam shaft control of the operating means.

That claim was rejected on the disclosure in the patent to Curtis and is fully met by that patent, except that in the Curtis machine the fluid pressure devices which actuate the tool slides are not controlled by a cam shaft. As hereinbefore indicated, the broad reference to cam shaft control is not considered sufficient to render the claim patentable which is otherwise fully anticipated by the patent to Curtis.

Claims 96 to 102, inclusive, were rejected on the patent to Drissner (No. 1,567,790) which discloses the arrangement of single spindle, top and cross slides, and cam shaft control, as called for by those claims, in view of the disclosures in the patents to Blood et al. and Curtis.

The only difference between the structures called for by claims 96 to 102, inclusive, and the disclosure in the Drissner patent is that the claims call for fluid operation of various parts of appellants' machine and control thereof from the cam shaft by means of valves, whereas in the patent those parts are mechanically operated and mechanically controlled from the cam shaft.

The Primary Examiner held that the mechanical means of the Drissner patent are fully equivalent to the fluid pressure means as broadly called for in those claims, and that fluid operation of parts corresponding to those recited in those claims was old, as disclosed in the patents to Blood et al. and Curtis. That holding, with which we are in accord, was approved by the Board of Appeals.

It is stated in the brief of counsel for appellants that claim 98 calls for fluid operated means for controlling the speed of operation of the top and cross slides, rather than for controlling their operation, and that, therefore, that claim is patentable over the references of record.

We are unable to agree that control of the speed of operation of the slides, as broadly recited in claim 98, presents a patentable distinction over the control of the operation of the slides as disclosed by the patents to Drissner (No. 1,567,790), Blood et al., and Curtis, upon which the claim was rejected.

For the reasons stated, the decision of the Board of Appeals is modified, being affirmed as to claims 44, 45, 73, 84, 85, 86, 87, and 90 to 102, inclusive, and reversed as to claim 20.

Modified.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE DENSE

No. 5,173. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 212]

1. CLAIMS—INTRODUCTORY STATEMENT.
   "The words 'A floor mat' are merely an introductory statement and can be given no weight in determining the patentability of the claims."
2. SAME—TERMS.
   "In article claims invention must be described in terms of structure and not those of intended use."
3. PATENTABILITY—FLOOR MAT.
   Claims calling for a "floor mat comprising a supporting layer and an outer tacky layer of wax-like material having a tread surface that is tacky, soft, rough, and adhesive," and reciting that the tread surface acts "to remove particles of dirt and dust from the sole of a contacting shoe and to retain the dirt and dust while readily releasing the shoe," *Held* unpatentable over a publication disclosing appellant's specific material as a coating for paper and cloth; and *Held* "that that reference, in its suggested uses of the material which specifically includes 'adhesive compounds,' would teach the use made of it by appellant."
4. APPLICATION—DISCLOSURE.
   "It was contended that it is impossible to define the critical point of thickness 'below which the wax layer is inoperative and above which it operates sucessfully.' This seemingly would be a confession that no one skilled in the art would be able to practice the invention upon the disclosure."
5. CLAIMS—DEFINITENESS.
   "An invention to be patentable must be accurately defined."

APPEAL from the Patent Office. Affirmed.

Mr. Harold E. Stonebraker for Dense.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

The Board of Appeals of the United States Patent Office affirmed a decision of the Primary Examiner rejecting, in view of the prior art, all of the claims, 1 to 5 inclusive, of an application for a patent alleging "new and useful improvements in Floor Mat." The cited references are: Ellis, 1,784,803, December 9, 1930, and Glyco Chemicals, page 27, July 1938. From that decision this appeal was taken.

Claims 1 and 4 are illustrative of the subject matter on appeal and read as follows:

1. A floor mat comprising a supporting layer and an outer tacky layer of wax-like material having a tread surface that is tacky, soft, rough, and adhesive, said tread surface acting to remove particles of dirt and dust from the sole of a contacting shoe and to retain the dirt and dust while readily releasing the shoe.

4. A floor mat comprising a supporting layer and an outer tacky layer of synthetic wax known as "Flexo Wax C-Light" having a tread surface that is tacky, soft, rough, and adhesive, said tread surface acting to remove particles of dirt and dust from the sole of a contacting shoe and to retain the dirt and dust while readily releasing the shoe.

The subject matter of the alleged invention may be readily discerned from the quoted claims.

The Ellis patent relates to floor coverings comprising a supporting web or fabric, preferably of paper or sheets of pulp material, coated with a wax composition which may include paraffin.

The Glyco publication discloses Flexo Wax C, which is specifically the material disclosed by appellant. It is stated in the publication that the wax "in thin layers on paper or cloth" will not flow even at temperatures higher than 65.5° C., is waterproof, non-crystalline, and possesses "high adhesive properties."

The Examiner rejected all of the claims as being substantially met by the Glyco reference, and further as involving no invention over the patent to Ellis in view of the Glyco reference. Claims 4 and 5 were also rejected as being vague and indefinite because of the use of the trade name "Flexo Wax C-Light."

The Board, in affirming the decision of the Examiner, agreed with the reasons for rejection stated by him, but did not consider it necessary to discuss the rejection of the claims on the patent to Ellis in view of the Glyco publication.

It is admitted that the publication discloses paper and cloth as a base for the same coating material as that claimed. Therefore with respect to this rejection, in order to hold the claims patentable we would have to hold that the introductory words "floor mat" or a coated surface which is "tacky, soft, rough, and adhesive," and retains the dust or dirt from the sole of a shoe while readily releasing it, render the claims patentable.

[1][2] We think, contrary to the contention of appellant, that the words "A floor mat" are merely an introductory statement and can be given no weight in determining the patentability of the claims. The fact that it is so designated does not render the article described in the claims necessarily patentable. In article claims invention must be described in terms of structure and not those of intended use. We think this is in accord with the authorities. See *In re Rockwell*, 32 C. C. P. A. (Patents) 1177, 150 F.(2d) 560, 66 USPQ 215, 580 O. G. 158, and cases therein cited.

[3][4][5] It has not been shown that the coating has different properties by reason of its depth. There is nothing in the application suggesting a thickness in the coating, or suggesting that in order to attain the desired result any specific thickness must be used. It seems to us that the softness and tackiness in the waxy substance are inherent in the material rather than in the thickness of the coating, and it has not been explained why there should be a difference. In the Glyco publication nothing is said concerning the thickness of the coating. It is clear, we think, that that reference, in its suggested uses of the material which specifically includes "adhesive compounds," would teach the use made of it by appellant.

During the prosecution of the case in the Patent Office appellant filed an affidavit in which he stated that he had coated a thin layer of base material with Flexo Wax C "in accordance with usual waterproofing practice." He did not, however, mention what the actual thickness was, nor what the "usual practice" is. He concludes that dust will not stick to a thin coating, but does not show why it does adhere to a thick coating.

Both in the brief and oral argument on behalf of appellant, it was contended that it is impossible to define the critical point of thickness "below which the wax layer is inoperative and above which it operates successfully." This seemingly would be a confession that no one skilled in the art would be able to practice the invention upon the disclosure. It is trite to say that an invention to be patentable must be accurately defined. Here we find no such definition.

We are of opinion that the appealed claims define nothing that is not disclosed in the Glyco publication as fully and completely as in the involved application.

For the reasons above stated it is not necessary to consider the other grounds of rejection by the tribunals below.

The decision appealed from is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE SELMI ET AL.

No. 5,160. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 201]

PATENTABILITY—ALLOY STEEL.
Reference made to the decision in companion appeal No. 5,161, and certain claims relating to alloy steels *Held* properly rejected.

APPEAL from the Patent Office. Affirmed.

Mr. Justin W. Macklin (*Mr. James J. Shanley* of counsel) for Selmi et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in his rejection of claims 5 to 9, inclusive, and claim 11 in appellants' application for a patent for alleged "new and useful improvements in Alloy Steel." Claim 12 was allowed.

Claims 5 to 9 in appellants' application stand rejected as unpatentable over the disclosures of two prior patents granted to the appellants. Claim 7 was further rejected as functional and claim 8 as containing new matter. Claim 11, copied from the patent to Fleischmann, No. 2,332,441, for the purpose of interference, was rejected as unpatentable over the prior art as well as for lack of sufficient disclosure.

Claims 5 and 11 are illustrative. They read—

5. A low carbon low alloy fine grain steel having high tensile strength and capable of heat treatment and quench hardening, and which may be rolled and normalized and which when carburized is free from massive cementite network, and in which the relation of carbon to silicon increases the elastic limit, and the steel containing an amount of molybdenum having a critical relationship between it and the carbon and silicon content, and the steel containing .30 to .75% manganese, .60 to .90% silicon, .30 to .75% chromium, .10 to .20% zirconium, sulphur and phosphorus not over .05% each the carbon being from .06 to .24% the molybdenum .10 to .20% and the remainder being substantially all iron.

11. Chromium carburizing steel containing as essential alloying elements about 0.5 to about .75 per cent of chromium, about 0.6 to about 0.9 per cent of silicon, about 0.1 to about 0.2 per cent of molybdenum, carbon from 0.1 to about 0.24 per cent and in an amount such that the steel is hardenable by heat treatment, and the remainder iron together with impurities and elements in amounts which do not adversely affect the carburizing and heat treating characteristics of the steel, and characterized by producing, upon being carburized and hardened by heat treatment, a carburized case resistant to spalling and low in or substantially free from massive carbides, and high tensile strength in the core as the result of heat treatment.

The references are—Selmi et al., 2,234,130, March 4, 1941; Selmi et al., 2,250,505, July 29, 1941.

The subject matter of the appealed claims, as well as that of the cited references, relates to alloy steels in specific proportions. The instant case is closely related to the companion appeal, No. 5161, involving the identical parties and concurrently decided by this court.

The distinction between the subject matter of the companion appeal and this one is alleged in appellants' brief to be—

It differs essentially in that it specifically includes molybdenum and is directed to so balancing the ranges of the other elements as to most effectively use the small molybdenum content.

* * * * * * *

In the companion appeal, Docket No. 5161, appellants have set forth in their brief the great advantages and remarkable economies of precious alloys which have been accomplished in these steels, and there the hardenability characteristics, particularly the effective depth of core hardening, was limited to thin sections. Under the critical upper limit and within the extremely narrow limit in the present application, the applicants have so proportioned the other elements that molybdenum may be used to effectively and economically secure core hardening to much greater depth.

* * * * * * *

The briefs differ in that the companion appeal includes claims rejected on different prior art. However, the reasons for patentability are in many respects the same.

The record shows, and the Examiner and Board of Appeals correctly held, that the percentage ranges of all of the elements defined in the appealed claims fall within the ranges disclosed by appellants' prior patents cited herein. We have analyzed the evidence in support of appellants' contention of criticality and agree with the holding of the tribunals of the Patent Office that appellants have failed to sustain their burden of proof with respect to this phase of the case.

Claim 11 has the same status here as claims 13 to 17, inclusive, had in the companion appeal, No. 5161, and, as decided in that case, appellants' failure to recite zirconium in the claim is a valid basis for its rejection.

Other points raised here by appellants, so far as they are essential to the issue involved, were discussed and properly passed upon by the tribunals of the Patent Office, and we find nothing in the record that requires a reversal of the decision of the Board of Appeals.

For the reasons hereinbefore stated, as well as for the reasons stated in the decision of the court in appellants' companion appeal, No. 5161, so far as they relate to the issue in this case, the decision of the Board of Appeals is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE SELMI ET AL.

No. 5,161. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 197]

1. PATENTABILITY—INVENTION—ALLOY STEEL.
   Upon consideration of appellants' claims to an alloy steel, *Held* that the "point or range alleged to be critical must correspond to a physical phenomenon," and that "appellants have the burden of proving that they have invented a new steel having characteristics or qualities of utility that are new and materially different from the steel disclosed by the art of record."
2. SAME—SAME—SAME.
   "The critical difference alleged to exist between the alloy steels claimed by appellants and those of the cited art of record must be established by actual proof."
3. APPLICATION—DISCLOSURE—CLAIMS COPIED FROM PATENT.
   In connection with claims copied by appellants from a patent, *Held* that "appellants' disclosure contains no teaching as to an alloy that does not contain zirconium as an essential ingredient," and that "the disclosure forms no basis * * * for claiming an alloy that does not include zirconium."
4. APPEAL—EVIDENCE CONSIDERED.
   "The paper in question was submitted with appellants' petition to the Board for the reconsideration of its decision. Before action by the Board was taken on the petition, however, appellants filed their appeal and the Board of Appeals transferred jurisdiction of the cause to this court. Accordingly, the data in question is not properly before the court and may not now be considered."
5. SAME—DECISION—AFFIDAVIT—RULES 66 AND 76.
   "If appellants wished to object to the Board's statement and to question the correctness of the facts contained therein, they should have requested the Board to cite its authority for the statement. If the cited authority was based upon facts within the personal knowledge of the Board, appellants should have proceeded under rules 66 and 76 of the Patent Office and called for the affidavit of the Board."
6. SAME—EFFECT OF FAILURE TO CHALLENGE STATEMENTS BELOW.
   Where appellants did not request the Board of Appeals to cite its authority for a statement, *Held* that the statement must be accepted as correct.

APPEAL from the Patent Office. Affirmed.

Mr. Justin W. Macklin (*Mr. James J. Shanley* of counsel) for Selmi et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in his rejection of claims 5 to 17, inclusive, and 19 in appellants' application for a patent for alleged "new and useful improvements in Alloy Steel." Claims 18, 20, 21, and 22 were allowed.

Claims 5 to 12, inclusive, were rejected as unpatentable over the prior art; claims 13 to 17, inclusive, copied from the patent to Fleischmann, No. 2,332,441, for the purpose of interference, were rejected for lack of sufficient disclosure; and claims 14 and 19 were "considered unpatentable in the limit imposed upon the amount of carbide-forming elements in the alloy."

The references are—Kinzel, 2,114,802, April 19, 1938; Kinzel, 2,152,434, March 28, 1939.

Claims 5, 13, and 19, which define the involved composition by its properties, its ingredients and the percentages thereof, are illustrative. They read—

5. A fine grained high tensile low allow steel having good welding characteristics and high resistance to strain aging and blue brittleness consisting of carbon .08 to .17%, manganese .50 to .75%, silicon .60 to .90%, chromium .30 to .65%, a maximum of .05% phosphorus, a maximum of .05% sulphur, .06 to .15% zirconium, the balance being substantially all iron and incidental impurities.

13. A case carburized steel article formed from chromium carburizing steel containing as essential alloying elements, 0.1 to about 0.3 per cent of carbon, from about 0.5 to about 0.75 per cent of chromium, about 0.6 to about 0.9 per cent of silicon, and substantially no nickel, and the remainder iron together with impurities and elements in amounts which do not adversely affect the carburizing characteristics of the steel, and characterized by the carburized and hardened case being resistant to spalling and low in or substantially free from massive carbides.

19. A case carburized steel article formed from chromium carburizing steel containing as essential alloying elements from about 0.1 to about 0.3 per cent of carbon, at least one carbide-forming element including at least about 0.5 per cent of chromium, the sum of said carbide-forming elements aggregating up to 2.55 per cent and about 0.6 to about 0.9 per cent of silicon, and .06 to .20 per cent of zirconium, and the remainder iron together with impurities and elements in amounts which do not adversely affect the carburizing characteristics of the steel, and characterized by its carburized and hardened case being resistant to spalling, and low in or substantially free from massive carbides.

The invention relates to a low alloy steel. The appealed claims describe the composition and as explained in the "authorized" literature submitted by appellants, "It is designed chemically to give the maximum benefits to be derived from alloying elements while holding to a minimum the undesirable features which accompany some of these elements when used in a steel designed primarily for structural purposes."

Except for their claims, the patents to Kinzel are substantially identical. It is not disputed that they disclose wider ranges of the elements also disclosed by appellants. Appellants contend, however, that the patents to Kinzel are for a different kind of steel and that appellants' ranges are narrower than Kinzel and teach "new balances and controls for new results."

Although the patents to Kinzel disclose a composition designed for case hardening by nitrification, while appellants' composition is particularly designed for case hardening by a carburizing compound, appellants' contention that the patents may not be considered as appropriate references is without merit.

Appellants' claims limited to "A case carburized steel article formed from chromium carburizing steel * * * and characterized by the carburized and hardened case being resistant to spalling and low in or substantially free from massive carbides" have been allowed. One of such claims, No. 21, is limited to "A nickel-free carburized steel article" and in claim 20, "A chromium-containing carburized steel article" is further characterized by "high tensile strength in the core as the result of heat treatment."

Moreover, the record shows that the claims rejected as lacking invention over the art of record, are claims that are not definitely limited in substance to the carburizing feature in the treatment of the steel, nor to an article of carburized steel, but to the alloy per se. The distinction between an article of steel treated by nitrification and one treated by a carburizing compound is accordingly eliminated insofar as such claims are concerned. It is our opinion therefore that the disclosures of the cited references are applicable to the case at bar.

In addition to the 85% or more of iron disclosed in his composition, the alloying elements described and claimed by Kinzel include specific and essential proportions of chromium, manganese, silicon, and zirconium. Furthermore, "other nonessential elements may be present." Kinzel also discloses that "The presence of some carbon is commercially unavoidable" and "is usually present in amounts of about 0.10% to 0.3%." The ranges of elements defined in the rejected claims as hereinbefore noted are all included in substantial proportions within the foregoing ranges disclosed by Kinzel. The question presented here is whether appellants' selected ranges differ from the ranges of the art of record so as to effect an unexpected result.

[1] The point or range alleged to be critical must correspond to a physical phenomenon and on that basis appellants have the burden of proving that they have invented a new steel having characteristics or qualities of utility that are new and materially different from the steel disclosed by the art of record. See *Dow Chemical Co.* v. *Halliburton Oil Well Cementing Co.*, 324 U. S. 320, 329, 573 O. G. 165; *In re Gillett*, 30 C. C. P. A. (Patents) 900, 133 F.(2d) 910, 56 USPQ 530, 552 O. G. 7.

Appellants contend that they teach new balances and controls for new results over Kinzel. That point was aggressively and earnestly argued and reargued in detail during the prosecution of appellants' application in the tribunals of the Patent Office. Affidavits and advertising material, "authorized for what it said," were submitted by appellants in support of their position following an early rejection by the Examiner on the ground that "Applicant has failed to demonstrate that the steels defined by the claims at bar possess any qualities not also possessed by the Kinzel steels."

[2] The critical difference alleged to exist between the alloy steels claimed by appellants and those of the cited art of record must be established by actual proof. The rule applicable here was stated as follows by this court in the case of *In re*

Swenson et al., 30 C. C. P. A. (Patents) 809, 132 F.(2d) 1020, 56 USPQ 372, 549 O. G. 200:

> • • • It was held by the tribunals below that there is nothing in the specification to show that the claimed ratios are critical. While it appears in the application that the ranges claimed constitute "a very novel feature of our invention" such statement does not amount to a showing that the ranges existing in the specific ratios of those claims are critical. The mere statement by the appellants that such statement is a measure of critical limitations in the absence of any further statement in the specification or actual showing of reasons why they should be considered as such cannot be accepted as proof that such ratios are in fact critical. *In re Creider et al.*, 29 C. C. P. A. (Patents) 1079, 129 F.(2d) 568. • • •

We have examined appellants' specification as well as the affidavits and the advertising material submitted in the record and find nothing therein that establishes appellants' contention in regard to criticality.

It is elemental, and the authorities hereinbefore cited are to the effect, that a mere difference in proportion of the constituents of a composition, even though a better result may be attained, does not entitle an applicant to a patent where the result differs from those of the prior art only in a matter of degree. While it is urged by appellants that the proportions stated are critical, it appears otherwise from the record, and the Board of Appeals correctly held that the claims in question defined no composition patentable over Kinzel.

Claims 13 to 17, inclusive, presented for the express purpose of provoking an interference with Fleischmann, were rejected for lack of sufficient disclosure in claiming an alloy which does not include zirconium. The patent to Fleischmann issued on an application that was copending with appellants' present application, and appellants urge that the two applications disclosed substantially the same subject matter. The record shows and it is not disputed that Fleischmann does not specifically recite zirconium as an essential ingredient. Appellants contend, however, that their "disclosure is a proper basis for claiming an alloy steel without naming zirconium."

The Board of Appeals in affirming the decision of the Examiner stated:

> The rejection here is based on the proposition that the present application contains no basis for claims not reciting zirconium because the entire specification and original claims are concerned with steels in which zirconium is an essential ingredient and appellants did not contemplate its omission or even hint that it might be omitted.

Appellants' original claims, as hereinbefore noted, were limited to alloys including zirconium. In describing their invention appellants stated:

> • • • Basically it is a low alloy steel, attaining high qualities and in which valuable alloying elements, and particularly those of present strategic importance, such as silicon, chromium and zirconium, are held to a minimum.
>
> • • • • • • •
>
> The steel in addition to iron, contains the following elements intended in practice to be within the ranges specified: • • • % Zirconium .06–.20 • • •.

Among the remarks submitted in support of various amendments, appellants further stated:

> For a time the supply of zirconium raised a serious question because sand constituting a large source used in producing ferro-silicon zirconium was shipped from India. • • •
>
> • • • • • • •
>
> The zirconium limit of one half of the .30% suggested by Kinzel is necessary because weldability may be adversely affected with certain equipment causing reaction pitting and general difficulty in steel making. On the other hand the minimum is given to insure the fine grain or high grain coarsening temperature disclosed and claimed and to contribute to freedom from strain aging.

In appellants' affidavit to prove criticality, they pointed out also that Kinzel "recommends from .1 to .3 zirconium," while "In the applicants' narrower ranges much smaller amounts of zirconium may be used."

[3] The reasonable inference to be drawn from the facts hereinbefore related is that appellants' disclosure contains no teaching as to an alloy that does not contain zirconium as an essential ingredient. Therefore the disclosure forms no basis, as correctly decided by the Examiner and the Board of Appeals, for claiming an alloy that does not include zirconium.

Claims 14 and 19 are also copied in part from the patent to Fleischmann. In their reasons of appeal, appellants contend that—

> 5. The Board of Appeals erred in holding claims 14 and 19 lack identity with the original disclosure; and in holding them unpatentable in the limit imposed upon the amount of carbide forming elements in the alloy; and in affirming the Examiner in his position that there is no basis for such limitations in the application as filed.

The two claims under consideration are limited to "at least one carbide-forming element including at least about 0.5 per cent of chromium, the sum of said carbide-forming elements being not over about 3.75 per cent, and about 0.6 to about 0.9 per cent of silicon," in claim 14; and "aggregating up to 2.55 per cent and about 0.6 to about 0.9 per cent of silicon, and .06 to .20 per cent of zirconium," in claim 19.

The Board of Appeals in its rejection of claims 14 and 19 stated that "No carbide-forming element other than chromium is found in the specification as filed." On that point, appellants contend that "the Board expresses a clear mistake of fact." In support of their position, appellants submit here a sheet containing certain data "copied from page 38 of the U. S. S. Carilloy Steels booklet." That sheet does not appear to have been introduced in evidence nor to have been considered by the Board.

[4] The paper in question was submitted with appellants' petition to the Board for the reconsideration of its decision. Before action by the Board was taken on the petition, however, appellants filed their appeal and the Board of Appeals transferred jurisdiction of the cause to this court. Accordingly, the data in question is not properly before the court and may not now be considered.

[5] Moreover, if appellants wished to object to the Board's statement and to question the correctness of the facts contained therein, they should have requested the Board to cite its authority for the statement. If the cited authority was based upon facts within the personal knowledge of the Board, appellants should have proceeded under rules 66 and 76 of the Patent Office and called for the affidavit of the Board. Appellants would then have been in a position to contradict or explain the Board's statement.

[6] No such request was made by appellants, however, and they may not be heard to contend here that a carbide-forming element other than chromium is found in the specification as filed. The statement of the Board must be accepted therefore as correct. *In re Lewis*, 25 C. C. P. A. (Patents) 1273, 96 F.(2d) 1009, 37 USPQ 786, 788, 497 O. G. 18.

It is noted, moreover, that claim 14 fixes the upper limit of the carbide-forming elements as aggregating up to 3.75 per cent and claim 19 at 2.55 per cent. Silicon is recited in the claims as distinct from and in addition to the carbide-forming elements and therefore it cannot be included as one of them. As correctly noted by the Examiner, "Appellants argue that the per cent limit given is the sum of these elements given in the specification, but they do not point out how they compute the percentage or where the limitation may be found." It is our opinion therefore that the claims in question were properly rejected.

Appellants devote a great portion of their argument here to the alleged error of the Board in failing to hold that an interference should be declared between their present application and the patent to Fleischmann and that in this proceeding the court should direct that such an interference be declared.

However, since the claims copied from the patent do not read on appellants' disclosure, the failure of the tribunals of the Patent Office to declare an interference cannot be remedied in this proceeding, even if the patent to Fleischmann were issued through inadvertence over the disclosures of Kinzel as stated by the Examiner. See *In re Albert C. Fischer*, 18 C. C. P. A. (Patents) 1076, 47 F.(2d) 794, 8 USPQ 481, 409 O. G. 563.

In view of our conclusion no useful purpose would be served in stating and deciding additional points presented in the argument of appellants, and the decision of the Board of Appeals is accordingly affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE SCHERL

No. 5,163. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 204]

1. PATENTABILITY—CRITICALITY.
   "Where the issue of criticality is involved, the applicant has the burden of establishing his position by a proper showing of the facts upon which he relies."
2. APPEAL—AFFIDAVIT.
   "The second affidavit upon which appellant relies was submitted by appellant after the Board rendered its decision. Since the Board did not remand the case to the Primary Examiner under the provision of rule 138 of the Rules of Practice in the United States Patent Office, the affidavit is not properly before this court and may not be considered here."
3. PATENTABILITY—PRESSURE WELDING.
   "Appellant in the adoption of his process for welding joints has done the thing that the art of record clearly suggests doing, and therefore no invention is defined by the appealed claims."

APPEAL from the Patent Office. Affirmed.

Mr. Charles C. Scheffler and *Mr. Eugene L. Greenewald* (*Mr. Charles E. Howson* and *Mr. Donald C. Harrison* of counsel) for Scherl.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in his rejection of claims 1, 3, 6, 10, 13, and 15 in appellant's application for a patent for alleged "new and useful improvements in Pressure Welding Process." The claims were rejected not only as lacking invention over the prior art but also on the ground of multiplicity.

No claims were allowed and appellant petitioned the Board of Appeals for the reconsideration of its decision. The Board heard and considered the petition but denied it with respect to making any change in the decision as rendered.

The references are—Lytle et al., 2,231,014, February 11, 1941; Renner, Jr., 2,231,027, February 11, 1941; Anderson, 2,277,473, March 24, 1942.

Claim 13 is considered illustrative. It reads—

> 13. Process for butt-welding members of weldable metal, each having a margin provided with a beveled portion and with an unbeveled, low forwardly-extending shoulder extending beyond an adjacent margin of said beveled portion; which comprises placing said unbeveled shoulders of the respective members in abutting relation and surface-to-surface contact, whereby each beveled portion cooperates with the beveled portion of the other of said members to form a welding groove having tapered end margins defining an included angle of at least 120°, the metal thickness of the respective members at the abutting surfaces being at least approximately three-fourths the overall metal thickness of said members; pressing said members together while thus abutted; while said surfaces are so pressed together in abutting relation, heating the metal of said abutting surfaces and of that portion of said members lying subjacent said groove to a welding temperature substantially no higher than the solidus temperature of the metal; and restricting the resultant outward flow of upset metal to a zone lying within the confines of the beveled portions of said members.

The alleged invention is described by appellant as a process for pressure welding metal members, such as flat plates, pipes, beams, and bars, wherein the abutting surfaces of the members to be welded are softened by heat and forced together under high pressure.

A portion or portions of the surfaces to be abutted are beveled in such manner as to define a V-shaped groove when the members to be welded are placed in abutting relation. The groove, "which may have an included angle of around 120° to around 150°, and extending longitudinally" of the interface formed by the members in abutting relation, is utilized to avoid or restrict the flow of upset metal beyond the outer surfaces of the members during the welding operation.

Where two opposite sides of each member are beveled, the thickness of the unbeveled portions

should be not less than about one-half of the maximum thickness of either member when unbeveled, or about three-fourths where but one side of each member is beveled.

The patents to Lytle et al. and Renner, Jr. disclose processes, of the type employed by appellant, for butt welding unbeveled metal members, while the patent to Anderson teaches a surface fusion welding of metal members involving the use of surfaces beveled to provide included angles of 90% or less.

Appellant alleges that the resultant joints produced by the processes defined in the cited references invariably had massive ridges of upset metal protruding at the joint as welded and that the removal of such upset metal necessitated an additional operation, costly in time, labor, apparatus, and material and often conducted under disadvantageous conditions in the field.

Appellant contends that the combination of features defined by the appealed claims substitutes a new teaching for the teachings of the cited art and produces a new, useful, and unexpected result differing in kind from the resultant joints produced by the processes of the art of record. Appellant relies upon the proposition that the resultant joint produced by his process is approximately free from upset material extending laterally beyond the normal surface level of the members as welded "and the problem of removing surplus upset metal has been greatly simplified or eliminated."

Appellant takes the further position that in comparison with the prior art, his process provides welded joints that are more satisfactory in strength, ductility and other physical properties.

In using included angles of around 120° to around 150° in the formation of the V-shaped groove, which is filled up by the surplus metal during welding, appellant contends he has secured a critical result, and that statements and examples in his specification, as well as affidavits submitted by him in the prosecution of his application before the tribunals of the Patent Office, provide actual proof of invention as defined by the claims on appeal.

The Solicitor for the Patent Office argues here that—

> The basic grounds of rejection of the claims on the merits are first that it is old in fusion welding to bevel the edges of parts to be welded to form a V-shaped groove which is filled up during the welding, this being conceded in appellant's brief • • •, and shown by the Anderson patent; secondly, that it would require no invention to employ such grooves in pressure welding of the kind shown by Lytle et al. and Renner, where the weld is formed by heat and pressure without actual melting; and, thirdly, that the exact angle of the sides of the groove is a matter of choice or experimental determination and that the use of an angle of 120° or more would involve no invention.
>
> • • • • • • •
>
> Moreover, regardless of admissions, it is obvious that the broad idea of using beveling in pressure welding is not patentable. Fusion and pressure welding shade into each other so that it is difficult to say exactly where one ends and the other begins. • • •

[1] Where the issue of criticality is involved, the applicant has the burden of establishing his position by a proper showing of the facts upon which he relies. *In re Swenson et al.*, 30 C. C. P. A. (Patents) 809, 813, 132 F.(2d) 1020, 56 USPQ 372, 549 O. G. 200.

Appellant does not claim the use of grooves in pressure welding, per se, as a patentable concept but relies upon the use of the particular angle made by the sides of his groove as constituting a critical difference which is inventive over the disclosure of the cited references. The question as to this point is whether he has sustained his burden of proof.

The angle used by Anderson is shown and admitted to be as much as 90° and the angle used by appellant is at least 120°. A difference of but thirty degrees in the respective angles, in the absence of proof to the contrary, is one of degree only.

Appellant's specification does not state that a particular range is critical but describes a groove that "may have an included angle of around 120° to around 150°." Obviously, it cannot be said that such a description is a clear disclosure that the use of an angle of at least 120° is critical. The terms "may have" and "around" do not definitely indicate the use only of an angle of 120° or suggest that an angle, say, of 90° would not be suitable to accomplish the desired result. Other statements made in the specification together with examples cited therein are likewise clearly insufficient from the standpoint of factual evidence to establish a showing of critical superiority.

Of the two affidavits submitted by appellant in support of his position on the issue of criticality, the first alleges that the resultant joints produced by processes old in the art do not have satisfactory strength, ductility and other desired physical properties. No actual figures are submitted by appellant, however, which establish this conclusion.

Moreover, in the comparative tests described in the affidavit, the resultant joints were produced by grooves of 90° and 134°. An angle of 120° was not employed, and the angle of 134° is not a limitation defined in any of the appealed claims. The resultant joints actually welded in the tests were not produced, but the difference between them, as shown by the figures in the illustration submitted, is clearly one of degree only.

[2] The second affidavit upon which appellant relies was submitted by appellant after the Board rendered its decision. Since the Board did not remand the case to the Primary Examiner under the provision of rule 138 of the Rules of Practice in the United States Patent Office, the affidavit is not properly before this court and may not be considered here. *In re Christmann et al.*, 29 C. C. P. A. (Patents) 1037, 128 F.(2d) 596, 53 USPQ 634, 543 O. G. 3.

In the claims on appeal, the limitation which defines an exact amount of the metal thickness of portions of the respective members at the abutting surfaces cannot be held to involve an inventive concept. As correctly pointed out in the brief of the Solicitor—

> • • • There is clearly nothing to show that "at least one-half" or "at least three quarters" is in any way critical in this connection. Whether one face is beveled or two is also merely a matter of choice, both arrangements being old in fusion welding.

The following statement in claim 3 is relied upon by appellant as defining a patentable feature of his disclosure—

> • • • and maintaining an approximately constant unit pressure upon the abutting surfaces as the area of such interface increases during the welding step.

We are unable to agree with appellant's argument on the point in question. If appellant's concept does not involve the use of this obvious expedient, Lytle et al. shows that it is old to maintain a predetermined pressure of a specified number of pounds per square inch during the welding process. "Naturally, if it were desired to keep a reasonably uniform pressure on a joint of varying area," as correctly stated in the Solicitor's brief, "the total pressure could be so regulated as to effect this result."

[3] It is our opinion that appellant in the adoption of his process for welding joints has done the thing that the art of record clearly suggests doing, and therefore no invention is defined by the appealed claims. See *In re Stover* 32 C. C. P. A. (Patents) 823, 146 F.(2d) 299, 64 USPQ 186, 573 O. G. 367.

In view of our conclusion, we deem it unnecessary to discuss the question of multiplicity or other points raised and argued by appellant, and the decision of the Board of Appeals is accordingly affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,727,759, R. B. Fageol, Spring vehicle; 2,191,698, M. E. Painter, Exercising device, filed Aug. 16, 1946, D. C., N. D. Okla. (Tulsa), Doc. 1878, *M. E. Painter* v. *F. Roe.* Same, filed Aug. 21, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1469, *M. E. Painter* v. *W. B. Coggin, Inc., et al.*

1,753,796, T. J. Litle, Jr., Refrigeration; 1,891,728, J. R. Replogle, Refrigeration unit; 1,833,846, A. W. Mellowes, Air cooling and water freezing evaporator for mechanical refrigerating apparatus; 1,983,990, L. A. Philipp, Evaporator for refrigerators; 2,206,999, R. H. Beman, Refrigerating; Re. 20,402, E. D. Misner, Refrigerating apparatus, filed Aug. 14, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1443, *Nash-Kelvinator Corp.* v. *Philco Corp. et al.*

1,833,846. (See 1,753,796.) 1,891,728. (See 1,753,796.)

1,906,260, J. T. Gibbs, Game, filed Aug. 15, 1946, D. C., E. D. N. Y., Doc. 7235, *J. T. Gibbs et al.* v. *B. Forgash et al.*

1,983,990. (See 1,753,796.)

2,002,394, F. E. Frey, Process for converting hydrocarbons, D. C., S. D. Tex. (Houston), Doc. 679, *Phillips Petroleum Co.* v. *Shell Oil Co., Inc.* Claim 2 held invalid, complaint dismissed (notice Aug. 13, 1946).

2,166,926, W. J. Kropp, Packing and insulating material, filed Aug. 19, 1946, D. C., W. D. Tex. (San Antonio), Doc. 810, *Insul Wool Insulation Corp.* v. *Texas Insulation Co.*

2,191,698. (See 1,727,759.) 2,206,999. (See 1,753,796.)

2,294,423. (See 2,382,617.) 2,320,350. (See 2,382,617.)

2,324,526, M. R. Mogenthaler, Process for the manufacture of soluble dry extracts, filed Aug. 22, 1946, D. C., S. D. N. Y., Doc. 37/462, *Inredeco, Inc.*, v. *Standard Brands, Inc.*

2,327,581. (See 2,382,617.)

2,353,986. (See Re. 20,969.)

2,357,312, J. Cryns, Method of preparing wheat germ for use in baking; D. C., S. D. Ill., N. Div., Doc. P–682, *The Bryo Co.* v. *B. C. Henning.* Cause dismissed by stipulation Aug. 14, 1946.

2,382,617, L. Del Riccio, Method of photographically recording the order of passage of moving objects; 2,320,350, same, Camera; 2,294,423, same, Photographic apparatus; 2,327,581, same, Motor control apparatus, filed Aug. 15, 1946, D. C. Ariz. (Phoenix), Doc. 903, *Photochart et al.* v. *Wilcox Precision Race Camera, Inc.*

2,388,134. (See Re. 20,969.)

2,390,636, 2,397,229, L. J. Biro, Writing instrument, filed Aug. 16, 1946, D. C., S. D. N. Y., Doc. 37/418, *Morrison Fountain Pen Co. et al.* v. *L. J. Biro et al.* Same, filed Aug. 22, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1473, *L. Morrison et al.* v. *Eversharp, Inc.*

2,397,229. (See 2,390,636.)

2,405,541, T. C. Gerner, Method and apparatus for repairing propeller shaft housings, filed Aug. 13, 1946, D. C. Okla. (Oklahoma City), Doc. 3180, *National Machine Works* v. *H-C Products Co.*

Re. 19,778, T. J. Litle, Method of making evaporators, filed Aug. 14, 1946, D. C., E. D. Pa., Doc. 6264, *Nash-Kelvinator Corp.* v. *Heintz Mfg. Co.*

Re. 20,402. (See 1,753,796.)

Re. 20,969, J. Reichel, Lyophilic biologically active substances and process of producing same; 2,353,986, C. H. Barr, Preservation; 2,388,134, E. W. Flosdorf et al., Biological apparatus, container, and method, filed Aug. 22, 1946, D. C., E. D. N. Y., Doc. 7245, *Lyophile-Cryochem Corp. et al.* v. *C. Pfizer & Co., Inc.*

Des. 137,944, L. C. Lloyd, Baby carrier, filed Aug. 23, 1946, D. C., S. D. N. Y., Doc. 37/480, *L. C. Lloyd* v. *R. H. Macy & Co., Inc., et al.*

Des. 139,742, W. J. Crump, Angle drill attachment, D. C., S. D. Calif. (Los Angeles), Doc. 5422–B–H, *Aircraft Tools, Inc.* v. *Zephyr Mfg. Co. et al.* Dismissed without prejudice pursuant to stipulation Aug. 19, 1946.

T. M. 50,081, Victor Talking Machine Co., Records for talking machines; T. M. 50,082, same, Talking machines and parts thereof; T. M. 195,825, same, Radio apparatus, parts, etc.; T. M. 385,751, RCA Mfg. Co., Inc., Phonographs, parts thereof and accessories thereto, etc., filed Aug. 19, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1458, *RCA* v. *Galter Mfg. Co.*

T. M. 50,082. (See T. M. 50,081.)

T. M. 146,210, De Met's, Inc., Candy, filed Aug. 22, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1475, *De Met's, Inc.*, v. *L. Tjikas et al.*

T. M. 195,825. (See T. M. 50,081.)

T. M. 385,751. (See T. M. 50,081.)

Public Law 517—79th Congress

[CHAPTER 587—2D SESSION]

[H. R. 3424]

AN ACT

To permit renewal of certain trade-mark registrations after expiry thereof, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That whenever the President shall find that foreign proprietors of trade-marks registered in the United States Patent Office who are nationals of countries which accord substantially equal treatment in this respect to trade-mark proprietors who are citizens of the United States are or may have been temporarily unable to comply with the conditions and formalities prescribed with respect to renewal of such registrations by section 12 of an act to authorize the registration of trade-marks used in commerce with foreign nations or among the several States or with Indian tribes, and to protect the same, approved February 20, 1905, as amended (15 U. S. C. 92), because of the disruption or suspension of facilities essential for such compliance because of conditions growing out of World War II, he may by proclamation grant such extension of time as he may deem appropriate for the fulfillment of such conditions or formalities by such foreign proprietors: *Provided*, That the President may at any time terminate any proclamation authorized herein or any part thereof or suspend or extend its operation for such period or periods of time as in his judgment the interests of the United States may require: *Provided further*, That no such extension of time shall permit the filing of applications more than three years after the approval of this act: *And provided further*, That the benefits of this act shall not extend to nationals of any enemy country with which the United States was at war in World War II.

Approved July 17, 1946.

Public Law 690—79th Congress

[CHAPTER 910—2D SESSION]

[H. R. 5223]

AN ACT

To extend temporarily the time for filing applications for patents, for taking action in the United States Patent Office with respect thereto, for preventing proof of acts abroad with respect to the making of an invention, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the rights of priority provided by section 4887 of the Revised Statutes (U. S. C., title 35, sec. 32), as amended, for the filing of applications for patent for inventions, discoveries, and designs, which rights had not expired on the 8th day of September 1939, or which rights have arisen since the 8th day of September 1939, shall be, and the same are hereby, extended until the expiration of a period of twelve months from the passage of this act in favor of the citizens of the United States and of citizens or subjects of all countries which have extended, or which now extend or which within said period of twelve months shall extend substantially reciprocal privileges to citizens of the United States, and such extension shall apply to applications upon which patents have been granted, as well as to applications now pending or filed within the period specified herein: *Provided*, That no such extension shall apply to any patent unless a request in writing was made therefor during the pendency of the application for such patent in the United States Patent Office, or within twelve months after the passage of this act, which request must be accompanied by (1) a copy of the original foreign application, certified to by the patent office of the country in which it was filed, but if the original foreign application has been destroyed, other evidence pertaining thereto may be accepted; (2) a sworn translation of the same if it is not in the English language; and (3) if the foreign application was not made by the inventor himself, an affidavit by the applicant or patentee stating that such application was filed for his benefit or on his behalf and that such procedure is in accordance with the procedure in the foreign country: *Provided further*, That no patent granted or validated by reason of any such extension shall in any way furnish a basis of claim against the Government of the United States: *Provided further*, That such extension shall in no way abridge or otherwise affect the right of the United States, or of any person, firm, association, company, or corporation, who, before the passage of this act was bona fide in possession of any rights in or under patents or applications for patents conflicting with rights in patents granted or validated by reason of such extensions to exercise such rights by itself or himself personally, or by such agents, or licensees as derived their rights from it or him before the passage of this act, to the extent that they shall not be amenable to any action for infringement of any patent granted or validated by reason of such extension.

A patent shall not be refused on an application coming within the provisions of this section, nor shall a patent granted on such application be held invalid, by reason of the invention having been patented or described in any printed publication or in public use or on sale in the United States more than one year prior to the filing of the application in the United States, unless such patent or publication or such public use or sale was prior to the filing of the foreign application upon which the right of priority is based.

SEC. 2. Whenever, prior to the 8th day of April 1946, an invention, discovery, or a design has been communicated in writing or embodied in any article supplied to the Government of the United States or to any person, firm, or corporation in the United States at the request of said Government, pursuant to and by reason of an agreement or arrangement between the Government of the United States and the government of a foreign country for the supply or mutual exchange of information or articles for use for national defense purposes during the periods of the national emergencies declared by the President of the United States preceding World War II, or for use for war purposes during World War II—

(*a*) A patent based on an application filed by the inventor of the invention, discovery, or design so communicated or supplied shall not be refused or held invalid merely because of the fact that the invention, discovery, or design had been in public use or on sale in the United States, or described in a printed publication, if such public use or sale or publication was in consequence of and attributable to the communication or supply and subsequent to the date of the communication or supply; and

(*b*) For use in any action in a United States court or proceeding in the Patent Office involving a patent for an invention, discovery, or a design, or involving an application for patent for an invention, discovery, or a design so communicated or supplied any court of the United States for any district or Territory thereof, and the Commissioner of Patents shall have the power to call upon any department or agency of the Government of the United States to produce information or papers in its possession relating to the communication or supply or relating to the further communication of the invention, discovery, or design by said department or agency to any person, firm, or corporation in the United States: *Provided, however*, That the head of any department or agency may refuse and omit to comply with any call for information or papers when in his opinion such compliance would jeopardize the national defense.

No benefit under section 2 of this act shall be extended to any person unless (1) an application for patent for the same invention, discovery, or design which was communicated or supplied as aforesaid is filed in the United States Patent Office prior to the expiration of twelve months from the date of this act; and (2) unless sufficient information in writing and under oath as to what was communicated or supplied, the date thereof and to whom made, is furnished to the Commissioner of Patents by the owner of such application while it is pending, or prior to the expiration of twelve months from the date of this act to enable him to judge of the identity of the invention so communicated or supplied with the invention claimed in such application, which information shall be made a part of the record of such application and shall have no evidentiary value as proof of the facts stated therein; and (3) unless the country of which such person is a national extends substantially reciprocal privileges to citizens of the United States.

SEC. 3. That whenever it shall be shown to the satisfaction of the Commissioner of Patents that the time now fixed by law for the payment of any fee, or for the taking of any other action, with respect to an application for patent for an invention, discovery, or design has lapsed because of conditions growing out of World War II, which time had not expired on the 8th day of September 1939, or which commenced after the 8th day of September 1939, such time may be extended by the Commissioner to a date not later than twelve months after the passage of this act, without the payment of extension fees or other penalty, in favor of citizens of the United States and the citizens or subjects of countries which have extended, now extend, or shall extend prior to the expiration of twelve months after the passage of this act substantially reciprocal privileges to citizens of the United States: *Provided*, That no extension herein shall confer such privileges upon the citizens or subjects of a foreign country for a longer term than the term during which such privileges are conferred by such foreign country upon the citizens of the United States, but nothing in this act shall give any right to reopen interference proceedings where final hearing before the Examiner of Interferences or the Board of Interference Examiners has taken place.

SEC. 4. That no patent granted or validated by reason of any extension of time provided for by sections 1 and 3 of this act shall abridge or otherwise affect the right of the United States, or of any person, firm, association, company, or corporation, or agent or agents, or his successor in business, to continue or to resume any manufacture, use, or sale bona fide commenced by it or him in the United States before the passage of this act, or, in the case of an application claiming the benefits of section 3 hereof, commenced by it or him before the taking of action or the payment of any fee under that section if such action or payment was later than the passage of this act, nor shall the further manufacture, use, or sale by it or him, or its or his agents or successors in business or the use or sale of the devices resulting from such manufacture or use constitute an infringement: *Provided*, That the benefits of this section shall not apply to the manufacture, use, or sale as aforesaid if and to the extent that it is based upon or attributable to a communication of the invention, discovery, or design so manufactured, used, or sold to the United States or to any person, firm, or corporation in the United States at the request of said Government under an agreement or arrangement between the Government of the United States and the government of another country for the supply or mutual exchange of information or articles for use for national defense purposes during the periods of the national emergencies declared by the President of the United States preceding World War II, or for use for war purposes during World War II.

SEC. 5. Notwithstanding the provisions of sections 4885 and 4887 of the Revised Statutes (U. S. C., title 35, secs. 41 and 32, respectively) no patent issued subsequent to July 17, 1945, which was scheduled for issue on that date, or on July 24, July 31, or August 7, 1945, shall be held invalid because of the deferment of the issuance of such patent due to the failure to issue patents on July 17 and July 24, 1945.

SEC. 6. Notwithstanding the provisions of the Act of Congress approved July 1, 1940 (54 Stat. 710; U. S. C., title 35, sec. 42), as amended by the act approved August 21, 1941 (55 Stat. 657; U. S. C., title 35, secs. 42*a*–42*f*), and as further amended by the act of June 16, 1942 (56 Stat. 370), no person shall be debarred from receiving a patent for an invention made in the United States, nor shall any patent issued for such invention be deemed or held invalid under said act, merely because authorization to file an application for patent for such invention in any country foreign to the United States was not first obtained from the Commissioner of Patents: *Provided*, That the Commissioner subsequently authorized the filing of the application in such foreign country.

SEC. 7. That all applications for patents for inventions, discoveries, or designs officially accepted by the Patent Office and given a serial number and date of filing since the 8th day of September 1939, and prior to the passage of this act, which were executed by an agent of the applicant, and in which a duplicate copy of the specification and a new petition and oath, all duly signed and executed by the inventor or his executor or administrator has been or shall have been filed within a period of twelve months from the approval of this act, and the patents granted on such applications, shall have the same force and effect as if the papers signed and executed by the inventor, or his executor or administrator, had been filed on the date on which the papers signed by his agent were deposited in the United States Patent Office.

SEC. 8. That all applications for patents for inventions, discoveries, or designs filed since the 8th day of September 1939, in which the oath was executed before or authenticated by a consular officer, or other representative qualified to administer oaths, of a government acting in the interest of the Government of the United States, shall have the same force and effect as if said oath had been executed by the applicant before a consular officer of the United States.

SEC. 9. That in proceedings in the Patent Office and in the courts of the United States an applicant for a patent for an invention, discovery, or a design, or a patentee, shall not be permitted to establish the date of invention or discovery by reference to knowledge or use thereof, or other activity with respect thereto, in a country foreign to the United States, other than the filing in a foreign country of an application for a patent for the same invention, discovery, or design which, in accordance with the provisions of section 4887 of the Revised Statutes, as amended, or in accordance with and subject to the provisions of this act, is entitled to have the same force and effect as it would have had if filed in the United States on the date on which it was filed in such foreign country: *Provided*, That where an invention was made by a person, civil or military, during the time such person was domiciled in the United States or its possessions and was serving in a foreign country in connection with the prosecution of the war on behalf of the United States or its allies, the inventor thereof shall be entitled, in interference and other proceedings arising in connection with such invention, to the same rights of priority with respect to such invention as if the same had been made in the United States.

SEC. 10. No patent for an invention or a discovery granted under the provisions of section 1 or 3 of this act shall extend for a longer term than twenty years from the filing date of the first application regularly filed in any country disclosing the same invention, and in no event for a period in excess of seventeen years from the date of the grant of such patent.

SEC. 11. No claims for patent infringement shall be made or action brought by or on behalf of or for the benefit of any country or a national of any country against which the United States has declared the existence of a state of war, in respect to any manufacture, use, or sale since September 8, 1939.

SEC. 12. That nothing in this act shall affect any act which has been or shall be done by virtue of the special measures taken during World War II under legislative, executive, or administrative authority of the United States in regard to the rights of any enemy, or ally of an enemy, as defined by the Trading With the Enemy Act of October 6, 1917 (40 Stat. L. 411), as amended, in patents for inventions and designs.

SEC. 13. Section 10 (*a*) of the said Trading With the Enemy Act, relating to the filing and prosecution of applications for patents and the registration of trade-marks, prints, labels, and copyrights, by an enemy, or ally of an enemy, is hereby repealed.

SEC. 14. The benefits of this act shall not extend in favor of inventions, applications, or patents made by or owned by citizens of any country with which the United States shall have been at war since the 8th day of September 1939. The Alien Property Custodian shall be entitled to the benefits of this act.

SEC. 15. Nothing contained in this act shall be effective to nullify any judicial finding upon the validity of any patent for an invention, discovery, or a design heretofore made by a court of competent jurisdiction.

SEC. 16. If any clause, sentence, paragraph, or part of this act shall be adjudged by any court of competent jurisdiction to be invalid, such judgment shall not affect, impair, or invalidate the remainder thereof, but shall be confined in its operations to the clause, sentence, paragraph, or part thereof directly involved in the controversy in which such judgment shall have been rendered.

Approved August 8, 1946.

Order No. 4094

APPLICATIONS EXECUTED AND FILED BY AGENTS

[Supplement to Order 3662, October 13, 1942]

U. S. PATENT OFFICE, *Washington 25, D. C., Sept. 9, 1946.*

1. *Legislation enacted.* Section 7 of Public Law 690, approved August 8, 1946, provides for the validation under certain conditions of agent executed applications accepted by the Patent Office under Order 3662. The section reads as follows:

"All applications for patents for inventions, discoveries, or designs officially accepted by the Patent Office and given a serial number and date of filing since the 8th day of September 1939, and prior to the passage of this act, which were executed by an agent of the applicant, and in which a duplicate copy of the specification and a new petition and oath, all duly signed and executed by the inventor or his executor or administrator has been or shall have been filed within a period of twelve months from the approval of this act, and the patents granted on such applications, shall have the same force and effect as if the papers signed and executed by the inventor, or his executor or administrator, had been filed on the date on which the papers signed by his agent were deposited in the United States Patent Office."

2. *Partial expiration of Order 3662.* Under the terms of the act only applications accepted by the Patent Office prior to August 8, 1946, can be validated. Hence agent executed applications filed on and after August 8, 1946, cannot be accepted. The first two paragraphs of Order 3662 are no longer in force insofar as concerned new agent executed applications is concerned.

3. *Inventions of citizens of enemy countries.* Section 14 of the act excludes inventions or applications made by or owned by citizens of enemy countries from any of the benefits of the act. Consequently, agent executed applications in which the inventor is a citizen of an enemy country cannot be validated, but this prohibition does not apply to applications vested by the Alien Property Custodian. All pending agent executed applications which cannot be validated (that is, applications in which the inventors are citizens of enemy countries and which have not been vested by the Alien Property Custodian) should be taken up immediately and a notice of abandonment mailed (see also paragraph 7 of this order). The application is then to be sent to the abandoned files the next time abandoned files are pulled. If the application is up for action by the Examiner, action on the merits should not be given.

4. *Suspended applications.* All agent executed applications which were otherwise in condition for allowance and in which action by the Office was suspended in accordance with the fourth paragraph of Order 3662 should be taken up and the following disposition made:

(*a*) If the application cannot be validated, it is to be treated as in paragraph 3 of this order.

(*b*) If properly signed and executed papers have been filed, a notice is to be written indicating that the applicant is entitled to the first filing date, and the case passed to issue or other appropriate action taken. Filing of the duplicate copy of the specification with the new petition and oath will constitute the ratification specified in the last paragraph of Order 3662.

(c) If papers have been filed but are defective, a notice should be written calling attention to the defects or omissions. The application remains suspended and if the papers are completed in time, it will be treated as in (b).

(d) In other cases, where the papers have not been filed, a letter is to be written calling attention to the act and to the last paragraph of Order 3662. The application remains suspended and if the papers are filed in time, it will be treated as in (b) or (c).

5. *Other pending applications.* Other pending agent executed applications which are not covered by paragraphs 3 and 4 of this order should have a notice written in them advising the applicant of the status of the application as in subparagraphs (b), (c) or (d) of paragraph 4. If the application is due for action by the Examiner within approximately the next two months, the notice is to be incorporated in the action when it is made. If the application will not be reached for action that soon, a notice should be sent as soon as possible, concluding with the statement that the application will be taken up for action in due course. If the application is not up for action by the Examiner, the notice should be sent immediately after the response by applicant is received. The notice is not necessarily an action in the case. No positive requirement for the papers or for correction or completion should be made. If the application is otherwise ready for allowance, the notice should so state and further action by the Office suspended as heretofore.

6. *Final roundup.* Properly signed and executed papers cannot be filed after August 8, 1947, to validate an agent executed application. A reasonable time after this date, and thereafter, all suspended applications and those up for action in which the proper papers have not been filed, or have not been filed in time, should be taken up by the Examiner and a notice of abandonment sent.

7. *Reference to Supervisors.* All applications in which a notice, or an action embodying a notice, as required by paragraphs 3, 4, 5, and 6 is being sent should be forwarded to the Supervisory Examiners, with the notice or action, before the letter is mailed. The Supervisory Examiners, in addition to reviewing the letters, will keep an index of all agent executed applications, and will forward the file to the Application Division for entry on its records and endorsement of the front of the file whenever necessary.

CASPER W. OOMS.
Commissioner.

Notice

EXTENSION OF PERIOD OF PRIORITY

PRELIMINARY NOTICE

U. S. PATENT OFFICE, *Washington 25, D. C., Aug. 30, 1946.*

1. Applicants for United States patents, or patentees, seeking an extension of the period of priority under section 1 of Public Law 690, approved August 8, 1946, are required by the act to make a specific request in writing, and to supply a certified copy of the foreign application, a sworn translation of the same if it is not in the English language, and, when necessary, proof of identity of parties.

2. Until and unless the required material is furnished, Examiners will act on applications in the usual way, that is, they will cite and use whatever references and grounds of rejection may be applicable, considering the actual filing date of the application in the United States as the only date to which it is entitled. However, where the statutory bar based on the granting of a foreign patent on an application filed more than one year prior to the filing of the application in the United States is applicable, the Examiner should, as far as possible, also apply other pertinent references and grounds so that in the event the statutory bar is subsequently removed by recourse to the act, prosecution of the application will have been advanced. Applicants must reply to Office actions within the stautory time limit and make as complete replies as are required in any other case.

3. When an application is filed with the object of obtaining the extended period of priority, the allegations in the oath with respect to patenting, publication and public use more than one year prior to the application may be modified in accordance with the last paragraph of section 1 of the act, but the customary oath will be required if the extended date is eventually refused. The customary allegation with respect to no prior foreign patenting on an application filed more than one year prior to the application in this country should, of course, be modified to correctly state the facts whenever necessary. Such applications may be filed any time before August 8, 1947, and need not be accompanied by the papers mentioned in the first paragraph hereof.

4. Persons filing the material required by section 1 and requesting the extended period of priority are not then required to prove that reciprocity exists with their particular country. The Patent Office will determine this fact in the first instance and will act accordingly. When reciprocity has been determined in connection with any country a notice will be published in the OFFICIAL GAZETTE.

5. When the required papers are filed and the extended period of priority requested in any case, the Examiner will refer the application immediately to the Supervisory Examiners for instructions as to whether reciprocity exists with respect to the particular country involved and will act accordingly. The existence of reciprocity will be determined by the Commissioner. The Examiners may be instructed to proceed with the examination of the application as to other matters pending this determination.

6. It will also be necessary for the Patent Office to determine in each case that the foreign application is "an application for patent for the same invention" as applied for in the United States (R. S. 4887). This determination will be made in the first instance by the Examiner. Attention is called to the fact that a similar and analogous requirement as to "the same invention" is in the reissue statute, R. S. 4916; mere readability of claims on the earlier case is not always sufficient to constitute "the same invention," and reissue decisions may be considered applicable in determining this question.

7. Any action taken by the Examiner granting or refusing the extended priority date should be referred to the Supervisory Examiners for review before the action is mailed.

8. Requests for extensions of time under section 3 of the act should be accompanied by the appropriate action and by a showing of the cause of the delay. These will be treated procedurally in the same manner as petitions to revive or petitions for delayed payment of a final fee, but a petition fee is not required. An applicant may apply for extensions under both section 1 and section 3 of the act.

9. No application coming under either section 1 or section 3 of the act shall be passed to issue without being first referred to the Supervisory Examiner.

10. Questions arising under the act shall be referred to the Supervisory Examiner.

CASPER W. OOMS,
Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,398,178. AIR MOTOR. Patented Apr. 9, 1946. Single cylinder air motor, free from complicated structure, provides automatic operation with intermittent power control for actuating a conventional ratchet gear attached to the cross-feed screw of a gasket cutting machine or the like. A pawl is attached to the free end of a push rod which is rigidly connected to the piston. The cylinder is swivelly mounted to permit rocking movement for holding the pawl against the ratchet gear. When motor is stopped pawl automatically disengages. (Owner) Warren F. Ellison, 523 Milford St., Glendale 3, Calif. Group 35—69. Reg. No. 4,106.

Pat. 2,217,662. GASOLINE DISPENSING APPARATUS. Patented Oct. 15, 1940. Switch of usual gasoline pump is coin controlled. The pump is provided with several chutes to accommodate coins of different denominations so that the quantity of gasoline dispensed depends on the value of the coins inserted. Provision is made to allow regulation of the liquid measuring apparatus in accordance with increases or decreases in the selling price of the gasoline. Owner has working model available. (Owner) L. W. Davis, 6511 Teesdale Ave., North Hollywood, Calif. Group 35—61—73. Reg. No. 4,107.

Pat. 2,182,517. AMUSEMENT DEVICE. Patented Dec. 5, 1939. Board with divided areas of different scoring values and counterweighted pendulum is supported in vertical position. A suction cup with protective disc is attached to free end of pendulum. A bullet striking the disc as pendulum swings causes cup to adhere to surface of board. For convenience in keeping score counter wheels are mounted near top of board. It may be constructed of suitable material to adapt it for use with high powered rifles, toy guns, or air rifles. (Co-owner) Henry Silbereis, 224 L St., Dayton 9, Ohio. Group 39—41. Reg. No. 4,108.

Pat. 2,399,138. SCREW HOLDING ATTACHMENT FOR SCREW DRIVERS. Patented Apr. 23, 1946. The attachment consists of a spring-urged rotatable and slidable sleeve which is fitted to the shank of a screw driver. A conical member, secured to the sleeve functions as a screw centering means; the walls of the conical member being slotted so that inwardly bowed fingers may project into the slots and grip the screw below the head. The fingers are secured to a collar which is rotatable and slidable, allowing the fingers to be adjusted in several positions (slide the fingers in either direction so that the screw may be released, or held for driving or retrieving). A spaced collar above the first mentioned collar limits rotative and axial movement of the attachment as desired. Any variety head may be accommodated. (Owner) Christ Nygaard, Zumbrota, Minn. Group 33—59. Reg. No. 4,109.

Pat. 1,792,001. SYSTEM FOR SUPPRESSING INTERFERING CURRENTS. Patented Feb. 10, 1931. A filter produces superior filtration with given size electrical components, or equal filtration with smaller components, by separating ripple frequencies, shifting the phase of one by 180° and recombining them. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—62. Reg. No. 4,110.

Pat. 1,798,658. ULTRA-VIOLET LAMP AND SYSTEM. Patented Mar. 31, 1931. Mercury vapor ultra-violet lamp produces a discharge between spaced electrodes across which the filament is bridged. The lamp may be operated on ordinary house current without the use of a step-up transformer or with special starting devices. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—92. Reg. No. 4,111.

Pat. 1,817,612. SOUND REPRODUCING SYSTEM. Patented Aug. 4, 1931. A phonograph pick-up system whereby a capacity pick-up modulates radio frequency energy which is demodulated and fed directly to the speaker without amplification. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—61. Reg. No. 4,112.

Pat. 1,822,130. ELECTRICAL CONVERTER. Patented Sept. 8, 1931. A system for producing oscillation in gaseous diodes or rectifiers. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—61. Reg. No. 4,113.

Pat. 1,935,738. RADIO RECEIVING SYSTEM Patented Nov. 21, 1933. System employs filters and balanced tuning for reducing interference. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—61. Reg. No. 4,114.

Pat. 1,956,121. STATIC SUPPRESSOR SYSTEM. Patented Apr. 24, 1934. Minimizes static in radio receivers by use of parallel wave filters so adjusted that their indicial admittances provide forced oscillations (induced by static) 180 degrees out of phase, thus cancelling out such "shock-excited" responses. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—31. Reg. No. 4,115.

Pat. 1,981,583. METHOD OF PRESERVING FRUITS, VEGETABLES, ETC. Patented Nov. 20, 1934. Preservation of fruits, vegetables, juices, etc., by sterilization, using "soft" X-rays, without heat. A method for producing "soft" X-rays over wide areas by means of secondary X-radiation, and the utilization of such emanations for pasteurization and sterilization without heat is described in the patent. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—92. Reg. No. 4,116.

Pat. 1,992,146. REGULATOR SYSTEM. Patented Feb. 19, 1935. An automatic voltage or current regulator employing Kathetrons or Thyratrons. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—92. Reg. No. 4,117.

Pat. 2,001,836. POWER CONTROL CIRCUITS. Patented May 21, 1935. Group 36—92. Reg. No. 4,118.

Pat. 2,001,837. POWER CONTROL CIRCUITS. Patented May 21, 1935. Group 36—92. Reg. No. 4,119.

Pat. 2,001,838. POWER CONTROL CIRCUITS. Patented May 21, 1935. Group 36—92. Reg. No. 4,120.

Pat. 2,054,496. POWER CONTROL CIRCUITS. Patented Sept. 15, 1936. Group 36—92. Reg. No. 4,121.

Pat. 2,138,731. DETECTOR CIRCUITS. Patented Nov. 29, 1938. Group 36—92. Reg. No. 4,122.

The five patents listed above relate to the use of a rectifier with an external grid (Kathetron) in a wide variety of electrical control circuits, as explained basically in Pat. No. 2,001,836. Electrostatic control of large electric power with the expenditure of infinitesimal energy is accomplished by external grid control in a variety of ways, e. g. with variable resistors or variable condensers to supply grid voltage of variable amplitude, which in Kathetrons provides gradual and continuous variation of plate current without the necessity of phase-shifting circuits. Use of multiple tubes and multiple grids is included. The device has application to a large number of industrial uses, including motor speed control, theater lamp dimming, welding control, weighing, etc. Special forms of rectifiers particularly suited to external control are shown. Pat. No. 2,001,837, besides showing further applications, shows comparative efficiency curves for the described circuits versus other forms of control. Pat. No. 2,001,838 includes application to alarm circuits, metal detection, sign flashers, etc. Pat. No. 2,054,496 describes the use of a single Kathetron across an "impedance" transformer or choke. Pat. No. 2,138,731 makes use of Kathetrons for detection of adjacent bodies, weighing, etc. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla.

Pat. 2,138,732. ELECTRIC REGULATOR. Patented Nov. 29, 1938. An automatic voltage regulator without moving parts employs ferro-resonance. Differs from other ferro-resonant regulators in that the load current does not flow through the resonant circuit. Thus very high power (hundreds or thousands of kilowatts) can be handled without unduly increasing the size of the resonant elements. The regulator is virtually independent of magnitude or power factor of load. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—21. Reg. No. 4,123.

Pat. 2,150,054. ULTRAVIOLET LAMP. Patented Mar. 7, 1939. Lamp has incandescent and ultraviolet portions in separate parts of the lamp. Also shows modifications employing a glow discharge between two indirect heaters and between mesh electrodes around a central heater. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—92. Reg. No. 4,124.

Pat. 2,168,952. VOLTAGE REGULATOR. Patented Aug. 8, 1939. A ferro-resonant means for automatically operating relays or contactors for any purpose including voltage regulation. Provides a means for operating rugged relays positively on any voltage differential, as low as a fraction of a volt between the pull-in and drop-out voltages. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—21. Reg. No. 4,125.

Pat. 2,214,879. GENERATOR REGULATOR. Patented Sept. 17, 1940. An automatic, electronic generator voltage regulator normally without moving parts. Employs Thyratrons, Kathetrons, or high vacuum tubes for supplying field excitation to a generator or exciter, and varying such excitation to maintain constant output voltage from the generator. Includes an "anti-hunt" arrangement. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—61. Reg. No. 4,126.

Pat. 2,296,269. PHOTOELECTRIC ELECTRONIC TUBE. Patented Sept. 22, 1942. A photo-electric power tube that passes current from zero up to hundreds of amperes in proportionate response to the intensity of light, thus eliminating the necessity of relay tubes, amplification, etc. (Owner) Invex, Inc., Box 188, Gainesville, Fla. Group 36—61. Reg. No. 4,127.

Pat. 2,289,346. DISCHARGE RECTIFIER TUBE WITH INDIRECTLY HEATED CATHODE. Patented July 14, 1942. Comprises, in general, an evacuated metal tube, containing an indirectly heated cathode, an ionizable gas such as argon, at a predetermined pressure, and a grid or control electrode when control of the current flowing through the tube is desired. In one construction the grid is in the form of an external loop or band encircling the tube. However, the grid may be of any form or it may be disposed in the tubes. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—61. Reg. No. 4,128.

Pat. 2,327,622. ELECTROMECHANICAL CONNECTION. Patented Aug. 24, 1943. The threads which comprise the base of the conventional incandescent bulb are formed of glass and coated with a heat-fused metallic coating which is either brushed or sprayed on the exterior. The conducting wires of the filament are brought through the coated glass wall and a non-porous solder (tin) applied thus making the mechanical and electrical connection. The lamp may be used in the usual socket or a glass socket, using a similar method of fabrication. The hermetic fused seal or "pinch" customarily used in lamp manufacture is unnecessary. Modifications show the principle applied to bayonet type bases and sockets (automobile lamps) and fuses. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Groups 32—29; 34—81. Reg. No. 4,129.

Pat. 2,354,031. SPACE DISCHARGE TUBE. Patented July 18, 1944. A mercury pool-type rectifier (normally water-cooled) the firing of which and the magnitude of current through which can be controlled entirely electrostatically with the expenditure of negligible electric energy. Electrostatic control (instead of an auxiliary starting arc) is accomplished by activation of the pool by permanently amalgamated materials. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—61. Reg. No. 4,130.

Pat. 2,357,727. METHOD AND MEANS FOR COOLING GLASS WALLED BODIES. Patented Sept. 5, 1944. High-efficiency means for cooling water-cooled tubes by impregnating the tube walls with a metal film, and bonding cooling members thereto. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—61. Reg. No. 4,131.

Pat. 2,393,890. TELEVISION SYSTEM. Patented Jan. 29, 1946. A system of television which transmits either the entire image or portions simultaneously as a complex wave without scanning. The whole is designed for materially narrower band widths than the conventional systems. (Owner) Invex, Inc., P. O. Box 188, Gainesville, Fla. Group 36—61. Reg. No. 4,132.

Pat. 2,398,641. SELF-SYNCHRONIZING TELEVISION SYSTEM. Patented Apr. 16, 1946. In this system single impulses are developed at the end of each line and at the end of each picture field and modulated on the carrier during the interval between lines and pictures to control horizontal and vertical scanning action at the receiving station. These signals are applied at the receiving station to stop the forward deflection of the cathode ray. The receiver is not driven into synchronization but follows the various movements of the transmitter in unison. Inventor states that the system is very flexible and will respond to a wide range of pictures in a given time as tuned circuits are not used in developing synchronizing signals. (Owner) John H. Homrighous, 1029 Wenonah Ave., Oak Park, Ill. Group 36—61. Reg. No. 4,133.

Pat. 2,398,642. METHOD AND SYSTEM FOR TELEVISION COMMUNICATION. Patented Apr. 16, 1946. System for producing synchronizing signals to control and time the various impulses required for the production of a picture at both the transmitter and receiver. A feature of this invention is the generation of an alternating voltage wave and the actual transmission of this wave to the receiver whereby the same wave form and frequency may be regenerated and other frequencies generated from the source of power at the receiver. (Owner) John H. Homrighous, 1029 Wenonah Ave., Oak Park, Ill. Group 36—61. Reg. No. 4,134.

Pat. 1,777,823. MEANS FOR OPERATING MUSICAL MUTES. Patented Oct. 7, 1930. This invention describes a mute for a wind instrument. It is either supported in an elevated position (such as on a music stand) and used by forcing the bell of the instrument over it, or it may be supported on a springed rod or wire on the instrument itself. The musician is thus allowed practically continuous use of his hands in operating the instrument. (Owner) Harry Bernard, 207 Newark St., Hoboken, N. J. Group 39—39. Reg. No. 4,135.

Des. 143,965. DESIGN FOR A CHIMNEY-COWL. Patented Feb. 26, 1946. (Co-owner) Thomas V. Early, 2324 West Fayette St., Baltimore 23, Md. Groups 32—59; 34—41. Reg. No. 4,136.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 8, 1946

[VOL. 591. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

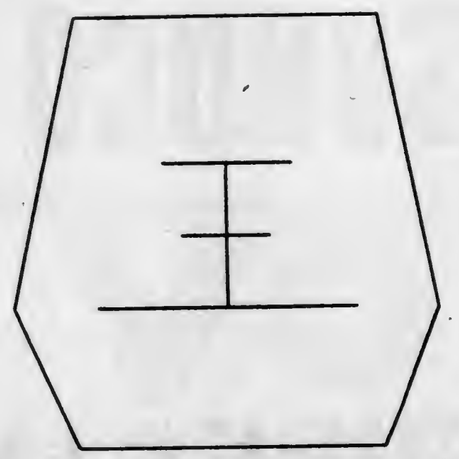
RAW OR PARTLY PREPARED MATERIALS

Ser. No. 493,277. WILLIAM H. NIEMANN & Co., New York, N. Y. Filed Dec. 14, 1945.



FOR FLOWER SEEDS, GRASS SEED, BULBS, AND PLANTS, ALL IN THE HORTICULTURAL GROUP.
Claims use since 1915.

Ser. No. 497,860. HERBERT J. HERIBERT, New York, N. Y. Filed Mar. 8, 1946.



FOR PLASTIC COMPOSITION IN SHEET FORM USED FOR VARIOUS MANUFACTURING PURPOSES IN THE ARTS.
Claims use since Mar. 1, 1946.

CLASS 2

RECEPTACLES

Ser. No. 505,863. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed July 18, 1946.

STEER BRAND

No claim is made to the exclusive use of the word "Brand" per se.
FOR PAPER BAGS.
Claims use since July 9, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 493,325. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Dec. 15, 1945.

TABU

FOR LEATHER COSMETIC KIT BAGS AND CASES, FITTED OR UNFITTED HANDBAGS, WALLETS, PURSES, SUITCASES, AND KEY CASES.
Claims use since Nov. 30, 1945.

Ser. No. 506,602. JANA HANDBAGS, INC., New York, N. Y. Filed July 31, 1946.

JANALOPE

FOR LADIES' HANDBAGS.
Claims use since Sept. 1, 1945.

CLASS 4

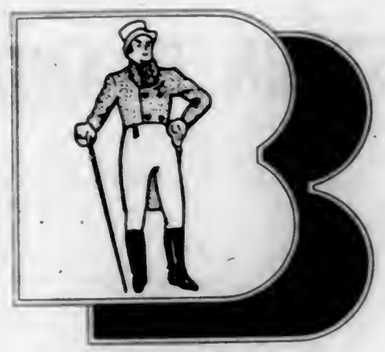
ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 487,598. DOHRMANN HOTEL SUPPLY CO., San Francisco, Calif. Filed Aug. 27, 1945.

DOHRCO

FOR JANITORIAL SUPPLIES—NAMELY, METAL CLEANERS, GLASS CLEANERS, WALL CLEANERS, WOODWORK CLEANERS, METAL POLISHES, AND GLASS POLISHES.
Claims use since Mar. 1, 1928.

Ser. No. 494,650. BEAU BRUMMEL POLISH CORP., Brooklyn, N. Y. Filed Jan. 12, 1946.



The picture of the man is fanciful.
FOR SHOE POLISH.
Claims use since March 1920.

Ser. No. 495,012. CLARK CLEVELAND, INC., Binghamton, N. Y. Filed Jan. 19, 1946.

PLATO

FOR DENTAL PLATE CLEANER, IN POWDER FORM.
Claims use since Dec. 19, 1945.

Ser. No. 495,053. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Jan. 19, 1946.

"HONI SOIT QUI MAL Y PENSE"

The translation of the phrase "Honi Soit Qui Mal Y Pense" reads, "Evil be to him who evil thinks."
FOR TOILET SOAPS.
Claims use since Dec. 31, 1945.

Ser. No. 495,374. GOJER LABORATORIES, Akron, Ohio. Filed Jan. 25, 1946.

GO JO

FOR DETERGENTS, SUCH AS HAND, AUTO, WOODWORK, VENETIAN BLINDS, AND PAINTED SURFACE CLEANER.
Claims use since Dec. 1, 1945.

Ser. No. 495,588. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Jan. 29, 1946.

CRO

FOR HOUSEHOLD CLEANSER.
Claims use since Jan. 25, 1946.

Ser. No. 495,589. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Jan. 29, 1946.

BIG MO

FOR HOUSEHOLD CLEANSER.
Claims use since Jan. 25, 1946.

CLASS 5

ADHESIVES

Ser. No. 496,846. SUN OIL COMPANY, Philadelphia, Pa. Filed Feb. 9, 1946.

SUNOCO

FOR RUBBER VULCANIZING CEMENT AND CEMENTITIOUS VULCANIZING GUM.
Claims use since Aug. 24, 1944.

Ser. No. 497,903. VELSICOL CORPORATION, Chicago, Ill. Filed Mar. 8, 1946.

CORESIN

FOR CORE OILS.
Claims use since Feb. 1, 1946.

Ser. No. 500,985. THE KEEVER STARCH COMPANY, Columbus, Ohio. Filed Apr. 26, 1946.



Applicant disclaims the word "Product" as used apart from the mark.
FOR WALL SIZE.
Claims use since Mar. 11, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 480,260. WITCO CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 26, 1945.

MONTY WAX

Applicant disclaims the word "Wax" as constituting a part of the mark.
FOR HARD WAX-LIKE SUBSTANCE COMPOSED OF SEVERAL CHEMICALS, CONTAINING NO PETROLEUM DERIVATIVES, USED IN RUBBER COMPOUNDING AND IN PLASTIC COMPOSITION.
Claims use since March 1942.

Ser. No. 484,407. THE KAKTINE COMPANY, Glendale, Calif. Filed June 11, 1945.

KAKTINE

FOR PREPARATION HAVING USE AS A MOUTH WASH AND THROAT GARGLE.
Claims use since May 29, 1945.

Ser. No. 484,910. LEO A. SAUER, doing business as V-O MANUFACTURING CO., Glendale, Calif. Filed June 22, 1945.

V-O

FOR CHEMICAL SOLUTIONS FOR REDUCING CARBON PING IN MOTORS, FOR STIMULATING CRANK CASE OIL, FOR RUST PROOFING, FOR WATER PROOFING AND FIRE PROOFING IGNITIONS, AND FLUIDS FOR HYDRAULIC BRAKES, JACKS, SHOCK ABSORBERS AND KNEE ACTION ELEMENTS.
Claims use since Nov. 15, 1940.

Ser. No. 487,864. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Aug. 31, 1945.

RHothane

FOR INSECTICIDES, FUNGICIDES, AND DISINFECTANTS.
Claims use since Aug. 23, 1945.

Ser. No. 489,051. ENDO PRODUCTS, INC., New York, N. Y. Filed Sept. 27, 1945.

COPFERTABS

FOR HEMATINIC.
Claims use since 1938.

Ser. No. 491,251. FLUORDENT, INC., New Orleans, La. Filed Nov. 8, 1945.

FLENE

FOR DENTIFRICE.
Claims use since July 19, 1945.

Ser. No. 492,638. MARWIN DYESTUFF CORPORATION, Jersey City, N. J. Filed Dec. 4, 1945.

AQUARAY

FOR DYESTUFF.
Claims use since Feb. 28, 1940.

Ser. No. 492,642. MARWIN DYESTUFF CORPORATION, Jersey City, N. J. Filed Dec. 4, 1945.

MARAMINE

FOR DYESTUFF.
Claims use since Feb. 28, 1940.

Ser. No. 492,643. MARWIN DYESTUFF CORPORATION, Jersey City, N. J. Filed Dec. 4, 1945.

MARAVAT

FOR DYESTUFF.
Claims use since Feb. 28, 1940.

Ser. No. 492,644. MARWIN DYESTUFF CORPORATION, Jersey City, N. J. Filed Dec. 4, 1945.

MARAZINE

FOR DYESTUFF.
Claims use since Feb. 28, 1940.

Ser. No. 492,645. MARWIN DYESTUFF CORPORATION, Jersey City, N. J. Filed Dec. 4, 1945.

MARSUL

FOR DYESTUFF.
Claims use since Feb. 28, 1940.

Ser. No. 492,646. MARWIN DYESTUFF CORPORATION, Jersey City, N. J. Filed Dec. 4, 1945.

NYLONYX

FOR DYESTUFF.
Claims use since Feb. 28, 1940.

Ser. No. 494,006. TONY BARONE, doing business as Laboratory Products Company, Detroit, Mich. Filed Dec. 29, 1945.

STOMONE

FOR MEDICINES—NAMELY, PREPARATIONS TAKEN INTERNALLY FOR THE TREATMENT OF THE BODY, PARTICULARLY THE GASTRO-INTESTINAL TRACT.
Claims use since Sept. 1, 1945.

Ser. No. 494,557. EVE RAE GROSSMAN, doing business as Cosmetic Arts Laboratories, Upper Montclair, N. J. Filed Jan. 10, 1946.

Yveline

FOR NAIL POLISH, NAIL OIL, SKIN CREAM, AND SHAMPOO.
Claims use since May 1944.

Ser. No. 494,573. WILLIAM PETERMAN, INC., Newark, N. J. Filed Jan. 10, 1946. Under 10-year proviso as to the word "Peterman."

Peterman
FLYOSAN

FOR INSECTICIDE.
Claims use since Nov. 21, 1945, in its present form; and since 1886 as to the word "Peterman."

Ser. No. 494,715. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Jan. 12, 1946.

TYOTOCIN

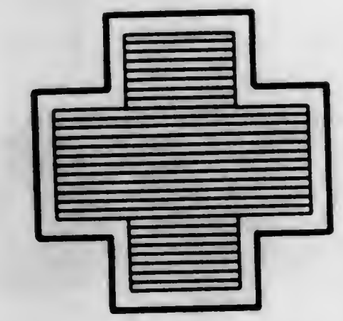
FOR ANTIBACTERIAL AND EAR DROP PREPARATION WITH ANALGESIC AND ANESTHETIC PROPERTIES.
Claims use since Jan. 7, 1946.

Ser. No. 495,297. LA FRANCE INDUSTRIES, Philadelphia, Pa. Filed Jan. 24, 1946.

Sanigene

FOR DISINFECTANT AND MILDEW AND BACTERIA PREVENTATIVE TO BE APPLIED TO THE FABRIC AND FILLING MATERIAL OF UPHOLSTERY AND MATTRESSES.
Claims use since Nov. 7, 1945.

Ser. No. 497,085. THE FARM MINERALS COMPANY, INC., Fishers, Ind. Filed Feb. 23, 1946.



The drawing is lined for the color blue.
FOR SUPPLEMENT FOR FEED FOR POULTRY, LIVE STOCK OR OTHER ANIMALS WHEREIN THE SUPPLEMENT IS PREDOMINANTLY OF MINERAL OR CHEMICAL CHARACTER.
Claims use since Sept. 1, 1940.

Ser. No. 497,278. TEASDALE & CO: LIMITED, Carlisle, England. Filed Feb. 26, 1946.

NIPITS

FOR MEDICATED SWEETMEATS FOR THE RELIEF OF THROAT AND CHEST IRRITATION.
Claims use since June 30, 1932.

Ser. No. 497,472. THE RAY EWING COMPANY, South Pasadena, Calif. Filed Mar. 1, 1946.

ANIMIX

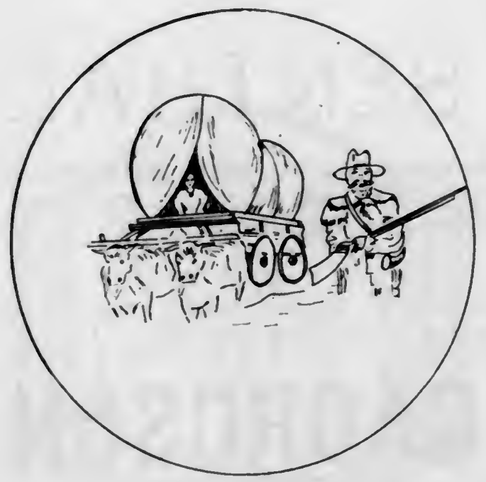
FOR VITAMIN AND AMINO ACID SUPPLEMENT FOR FOUR-FOOTED ANIMAL FEEDS.
Claims use since Oct. 1, 1945.

Ser. No. 497,493. PLANT PRODUCTS CORPORATION, Blue Point, N. Y. Filed Mar. 1, 1946.

Dandy-Kill

Applicant disclaims the word "Kill" apart from the mark.
FOR WEED KILLER USED AS A SPRAY OR DUST TO CONTROL WEEDS.
Claims use since Sept. 24, 1945.

Ser. No. 497,504. STABER'S FOR BEAUTY, Los Angeles, Calif. Filed Mar. 1, 1946.



FOR WAVE CREAM, HAIR DRESSING, AND OIL HAIR DRESSING.
Claims use since 1935.

Ser. No. 497,614. THE MATHIESON ALKALI WORKS, New York, N. Y. Filed Mar. 4, 1946.

Q.A.D

FOR QUATERNARY AMMONIUM SANITIZING POWDER FOR USE AS A GERMICIDE, BACTERICIDE, DISINFECTANT, AND DEODORANT.
Claims use since Jan. 18, 1946.

Ser. No. 497,615. THE MATHIESON ALKALI WORKS, New York, N. Y. Filed Mar. 4, 1946.

Q.A.S

FOR QUATERNARY AMMONIUM SANITIZING SOLUTION FOR USE AS A GERMICIDE, BACTERICIDE, DISINFECTANT, AND DEODORANT.
Claims use since Jan. 18, 1946.

Ser. No. 497,616. THE MATHIESON ALKALI WORKS, New York, N. Y. Filed Mar. 4, 1946.

CLAROFIN

FOR QUATERNARY AMMONIUM SANITIZING SOLUTION FOR USE AS A GERMICIDE, BACTERICIDE, DISINFECTANT, AND DEODORANT.
Claims use since Jan. 18, 1946.

Ser. No. 497,735. PARFUMS CHARBERT, INC., New York, N. Y. Filed Mar. 6, 1946.

AMOROUS

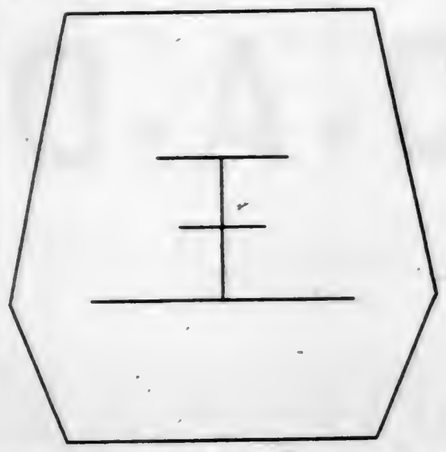
FOR PERFUMES, TOILET WATERS, EAU DE COLOGNES, SACHET POWDERS, TALCUM POWDER, FACE POWDER, BATH POWDER, FACE CREAMS, CLEANSING CREAMS, LIPSTICK, AND ROUGE.
Claims use since Feb. 13, 1946.

Ser. No. 497,789. GILCOR MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 7, 1946.

LIQUICK

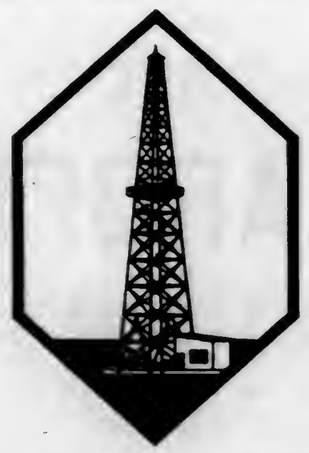
FOR LIQUID LAUNDRY STARCH.
Claims use since Jan. 16, 1946.

Ser. No. 497,861. HERBERT J. HERIBERT, New York, N. Y. Filed Mar. 8, 1946.



FOR SOLUTION TO BE USED AS A COATING, FINISH OR LACQUER FOR TEXTILES AND FOR PLASTICS, AND PARTICULARLY FOR TEXTILES MADE OF NATURAL, SYNTHETIC OR MIXED YARNS OR GLASS FIBERS FOR WATERPROOFING, MILDEWPROOFING, FLAMEPROOFING AND MOTHPROOFING.
Claims use since Mar. 1, 1946.

Ser. No. 497,864. JEFFERSON CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 8, 1946.



FOR ETHYLENE OXIDE AND ETHYLENE GLYCOL.
Claims use since Feb. 21, 1946.

Ser. No. 498,027. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 11, 1946.

MIAQUIN

FOR ANTI-MALARIAL PREPARATION.
Claims use since Feb. 4, 1946.

Ser. No. 498,079. PURITY DRUG CO., INC., Passaic, N. J. Filed Mar. 12, 1946.

PERF

FOR CREAM DEODORANT.
Claims use since Jan. 2, 1946.

Ser. No. 498,092. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 12, 1946.

SOVABEAD

FOR POROUS INORGANIC MATERIAL EMPLOYED IN THE TREATMENT OF AIR AND OTHER GASES, LIQUIDS AND SOLIDS PARTICULARLY AS A DESICCANT OR DEHUMIDIFIER.
Claims use since Feb. 20, 1946.

Ser. No. 498,139. GEORGE C. HESTER, Glendale, Calif., doing business as Janet Hester, Hollywood, Calif. Filed Mar. 13, 1946.

ACQUIESCE

FOR PERFUMES.
Claims use since Mar. 5, 1946.

Ser. No. 498,140. GEORGE C. HESTER, Glendale, Calif., doing business as Janet Hester, Hollywood, Calif. Filed Mar. 13, 1946.

COAX

ME

FOR PERFUMES.
Claims use since Mar. 5, 1946.

Ser. No. 498,241. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Mar. 14, 1946.

BENTHAL

FOR CHEMICALS FOR USE IN MAKING SYNTHETIC RESINS AND PLASTICS.
Claims use since Jan. 5, 1946.

Ser. No. 498,257. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Mar. 14, 1946.

CADROSON

FOR VITAMIN AND MINERAL PREPARATION FOR USE IN THE PREVENTION AND TREATMENT OF METABOLIC DEFICIENCIES.
Claims use since Oct. 19, 1945.

Ser. No. 498,573. AIRKEM, INC., New York, N. Y. Filed Mar. 20, 1946.

OSMIX

FOR PREPARATIONS FOR FRESHENING OR DEODORIZING THE AIR.
Claims use since Feb. 1, 1946.

Ser. No. 498,635. JEROME D. KENNEDY, doing business as United Chemical Company, Rutland, Vt. Filed Mar. 20, 1946.

ZETO

FOR INSECTICIDES.
Claims use since Sept. 11, 1945.

Ser. No. 498,905. F. P. KEENOY, doing business as Keen-Aire Research Laboratories, Kansas City, Mo. Filed Mar. 25, 1946.

KEEN-AIRE

The term "Aire" is disclaimed apart from the mark.
FOR DEODORIZIING MATERIAL FOR CLOSED SPACES SUCH AS REFRIGERATORS AND ROOMS IN BLOCK FORM.
Claims use since May 12, 1945.

Ser. No. 498,986. DE MARBEL (SOCIÉTÉ À RESPONSABILITÉ LIMITÉE), Neuilly sur Seine, France. Filed Mar. 26, 1946.

AMBASSADE DE PARIS

No claim is made to the name "Paris" apart from the mark.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAM.
Claims use since Aug. 12, 1931.

Ser. No. 498,992. STORRS H. HALL, Southgate, Calif. Filed Mar. 26, 1946.



No claim is made to the representation of the label.
FOR PERFUME.
Claims use since Feb. 28, 1946.

Ser. No. 499,076. STEPHEN E. RILEY, doing business as Stephen Riley Company, Los Angeles, Calif.

Clishay by Legendre'

No claim is made to the word "Legendré" apart from the mark.
FOR PERFUME.
Claims use since Feb. 11, 1946.

Ser. No. 499,138. LAFAYETTE DRUG COMPANY, INC., doing business as Kotalko Sales Company, Jersey City, N. J. Filed Mar. 28, 1946.

KOTALKO

FOR HAIR TONICS AND OINTMENT FOR BEAUTIFYING AND TREATING THE HAIR AND SCALP.
Claims use since Apr. 1, 1919.

Ser. No. 499,231. HUDSON PRODUCTS, INC., Jersey City, N. J. Filed Mar. 29, 1946.

POLI-GRIP

No claim is made to the word "Grip" apart from the mark.
FOR CREAM FOR HOLDING FALSE TEETH TIGHTLY.
Claims use since Mar. 1, 1946.

Ser. No. 499,416. KEMP AND LANE, INC., Leroy, N. Y. Filed Apr. 1, 1946.

Herbitol

FOR PREPARATION FOR INDIGESTION, CONSTIPATION, HEARTBURN, COATED TONGUE, LOSS OF APPETITE, INACTIVE BOWELS, SOUR STOMACH, GAS-BELCHING, FLATULENCE, AND BAD TASTE IN THE MOUTH.
Claims use since June 10, 1916.

Ser. No. 499,548. MAUDE GONYEA, Hazel Park, Mich. Filed Apr. 3, 1946.

Maude Gonyea

The name presented as the mark constitutes an autographic signature of the applicant.
FOR HAIR RESTORER.
Claims use since Nov. 1, 1933.

Ser. No. 499,787. LENTHERIC, INCORPORATED, New York, N. Y. Filed Apr. 6, 1946.

FEU FROID

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since Mar. 20, 1946.

Ser. No. 499,788. LENTHERIC, INCORPORATED, New York, N. Y. Filed Apr. 6, 1946.

BEYOND

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since May 20, 1946.

Ser. No. 499,789. LENTHERIC, INCORPORATED, New York, N. Y. Filed Apr. 6, 1946.

SOMETIME

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since Mar. 20, 1946.

Ser. No. 499,790. LENTHERIC, INCORPORATED, New York, N. Y. Filed Apr. 6, 1946.

OCCASION

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since Mar. 20, 1946.

CLASS 7

CORDAGE

Ser. No. 504,944. TUBBS CORDAGE COMPANY, San Francisco, Calif. Filed July 1, 1946.

PACORD

FOR PAPER COVERED TWINE.
Claims use since Dec. 1, 1926.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 497,331. CHARLES M. PRITZKER, New York, N. Y. Filed Feb. 27, 1946.

POLY

FOR PLASTIC CIGARETTE CONTAINER IN THE NATURE OF CIGARETTE CASES.
Claims use since Nov. 15, 1945.

Ser. No. 497,923. EDITH B. DUELL, Detroit, Mich. Filed Mar. 9, 1946.

Solitaire

FOR CIGARETTE CASES.
Claims use since Feb. 20, 1946.

CLASS 10

FERTILIZERS

Ser. No. 488,418. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Sept. 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Hearthstone

FOR FERTILIZERS.
Claims use since Feb. 13, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 490,510. STOR-AID, INC., New York, N. Y. Filed Oct. 25, 1945.

EDGE-AID

Applicant disclaims the right to the use of the word "Edge" except in the relation and association shown.
FOR DECORATIVE EDGINGS OF PLASTIC MATERIAL FOR SHELVES.
Claims use since Feb. 1, 1945.

Ser. No. 498,037. SWALLOW AIRPLANE COMPANY, INC., Wichita, Kans. Filed Mar. 11, 1946.

DOORMASTER

FOR DOOR CHECKS.
Claims use since Feb. 20, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 472,905. METAL AND ALLOY SPECIALTIES COMPANY, INC., Buffalo, N. Y. Filed Aug. 3, 1944.

METALOY

FOR METAL CASTINGS MADE OF ALLOY METAL, BRONZE, OR ALUMINUM.
Claims use since July 15, 1930.

CLASS 15

OILS AND GREASES

Ser. No. 485,425. SOCIETE ANONYME SOLEX, Neuilly-sur-Seine (Seine), France. Filed July 3, 1945.

SOLEXINE

FOR PETROLEUM PRODUCTS CONSISTING OF GASOLINE, LUBRICATING OILS, LUBRICATING GREASES, AND A MIXTURE OF GASOLINE AND LUBRICATING OIL ADAPTED FOR USE IN TWO-STROKE ENGINES.
Claims use since Mar. 2, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 488,339. MAAS & WALDSTEIN COMPANY, Newark, N. J. Filed Sept. 12, 1945.

DUART

FOR COATING COMPOSITIONS INCLUDING CLEAR WRINKLE VARNISHES AND PIGMENTED WRINKLE ENAMELS ADAPTED TO PRODUCE WRINKLE FINISHES.
Claims use since July 1, 1934.

Ser. No. 488,421. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Sept. 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Hearthstone

FOR FLOOR FURNITURE AND AUTOMOBILE WAXES AND POLISHES; PAINTS SOLD IN DRY, PASTE, AND READY-MIXED FORM.
Claims use since Feb. 13, 1945.

Ser. No. 497,251. DAVID E. KENNEDY, INC., Brooklyn, N. Y. Filed Feb. 26, 1946.

KENWAX

FOR WAX TO PRESERVE, PROTECT, AND POLISH ASPHALT TILE, CORK TILE, RUBBER TILE, CORK COMPOSITION, LINOLEUM, AND HARDWOOD FLOORS.
Claims use since Jan. 1, 1938.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 499,319. CONSTITUTION TOBACCO PRODUCTS CORP., New York, N. Y. Filed Mar. 30, 1946.

CONSTITUTION

FOR CIGARETTES.
Claims use since Mar. 25, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 481,021. GENERAL CERAMICS AND STEATITE CORPORATION, Keasbey, N. J. Filed Mar. 17, 1945.

SEALEX

FOR ELECTRICAL APPARATUS IN THE NATURE OF COMBINATIONS OF METALS AND CERAMICS—NAMELY, HERMETICALLY SEALED TRANSFORMER BUSHINGS, VIBRATOR BUSHINGS, CONDENSER BUSHINGS, COAXIAL LINE TERMINATOR BUSHINGS, ANTENNA LEAD-IN BUSHINGS, VACUUM TUBE TERMINAL BUSHINGS, CRYSTAL CASES, CONDENSER SHAFTS, THREADED METAL INSERTS, VACUUM TUBES AND CATHODE RAY TUBES.
Claims use since May 3, 1944.

Ser. No. 493,788. LEXINGTON MACHINERY & DEVELOPMENT CO., INC., Clifton, N. J. Filed Dec. 22, 1945.

Toast-O-Matic

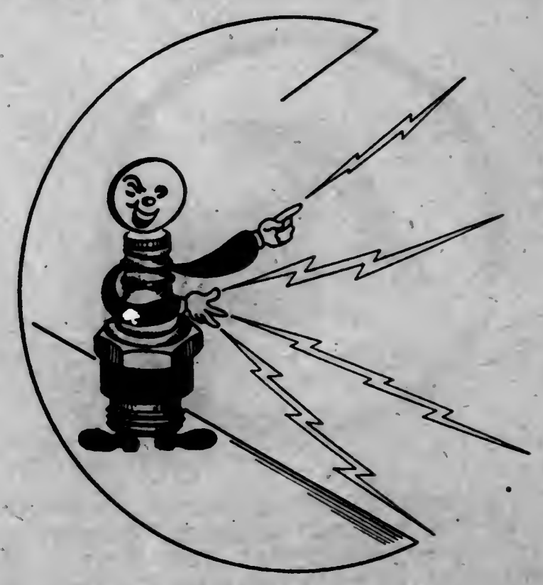
The exclusive use of the word "Toast" apart from the mark is disclaimed.
FOR ELECTRIC TOASTERS.
Claims use since Nov. 23, 1945.

Ser. No. 497,990. THE BIRD ELECTRONIC CORPORATION, Cleveland, Ohio. Filed Mar. 11, 1946.

COAXWITCH

FOR ELECTRICAL SWITCHES.
Claims use since Dec. 31, 1945.

Ser. No. 498,727. SPARKY SPECIALTIES, INC., Chicago, Ill. Filed Mar. 21, 1946.



The picture of the spark plug is disclaimed apart from the mark.
FOR ELECTRICAL COILS, ELECTRICAL SWITCHES AND CONDENSERS.
Claims use since Feb. 26, 1946.

Ser. No. 498,752. BREUER ELECTRIC MFG. CO., Chicago, Ill. Filed Mar. 22, 1946.

TORNADO

FOR ELECTRIC MARKERS AND ETCHERS FOR CUTTING OR ETCHING INDICIA ON GLASS, METAL, WOOD, PORCELAIN, OR PLASTICS.
Claims use since January 1942.

Ser. No. 498,753. BREUER ELECTRIC MFG. CO., Chicago, Ill. Filed Mar. 22, 1946.

TORNADO

FOR ELECTRIC DUST COLLECTORS FOR WOOD WORKING MACHINES.
Claims use since April 1937.

Ser. No. 498,817. VIRAGON PRODUCTS, Kansas City, Mo. Filed Mar. 22, 1946.

VIRAGON

FOR ELECTRIC LAMPS EMITTING ULTRAVIOLET RAYS FOR GERMICIDAL PURPOSES AND UNITARY COMBINATION STERILIZING EQUIPMENT—NAMELY, ELECTRIC LAMPS EMITTING ULTRAVIOLET RAYS FOR GERMICIDAL PURPOSES AND ELECTRICALLY OPERATED OZONE GENERATOR, AND ELECTRICALLY OPERATED OZONE GENERATORS.
Claims use since Jan. 11, 1946.

Ser. No. 499,984. AMERICAN ENGINEERING COMPANY, Philadelphia, Pa. Filed Apr. 11, 1946.

AE

FOR ELECTRIC HOISTS, ELECTRIC WINCHES, ELECTRIC WINDLASSES, ELECTRIC CAPSTANS, ELECTRIC GYPSIES (GYPSIES ARE SIMILAR IN SOME RESPECTS TO POWER OPERATED CAPSTANS BUT GENERALLY HAVE ONLY ONE MECHANICAL SPEED AND ARE NEVER ARRANGED FOR HAND OPERATION), AND ELECTRIC STEERING GEARS, AND PARTS THEREOF.
Claims use since Feb. 13, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 502,761. ROBERT MOORE, Montclair, N. J. Filed May 25, 1946.

POLYMOORE

FOR ALL WHITE, NON-FABRIC, LAWN TENNIS COURT MARKING TAPE.
Claims use since May 17, 1946.

Ser. No. 504,172. GEORGE M. GALLOWAY, doing business as Grand Lake Fishing Tackle, Celina, Ohio. Filed June 19, 1946.

LADY STREAMER

No claim is made to the word "Streamer" apart from the mark.
FOR ARTIFICIAL FISH BAITS.
Claims use since March 1945.

Ser. No. 504,267. J. J. GILL & ASSOCIATES, Los Angeles, Calif. Filed June 20, 1946.

BASS BIRD

The word "Bass" is disclaimed apart from the mark.
FOR ARTIFICIAL FISH BAIT.
Claims use since June 1, 1946.

Ser. No. 505,862. RALPH L. SANTOS, doing business as R. L. Santos Company, Cambridge, Mass. Filed July 18, 1946.

LOOP-THE-LOOP

FOR GAMES HAVING TWO SUSPENDED BALLS AND A GOAL ABOVE ONE BALL.
Claims use since July 12, 1946.

Ser. No. 506,183. MONUMENTAL BOWLING AND BILLIARD SUPPLY COMPANY, Baltimore, Md. Filed July 24, 1946.

STRIKEASY

FOR BOWLING PINS.
Claims use since June 29, 1946.

Ser. No. 506,573. ARTCRAFT METAL PRODUCTS, INC., West Haven, Conn. Filed July 31, 1946.

JUNIOR MISS

FOR TOY SEWING MACHINES.
Claims use since Apr. 15, 1946.

Ser. No. 506,729. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Aug. 2, 1946.

STRIKE KING

FOR BOWLING BALLS.
Claims use since June 13, 1946.

Ser. No. 506,798. THE CALDEX COMPANY, Sheldon, Ill. Filed Aug. 3, 1946.

Scoot

FOR TOY GLIDERS.
Claims use since July 17, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 481,617. THE ELECTRIC SPRAYIT CO., Sheboygan, Wis. Filed Apr. 2, 1945.

ESCO

FOR HYDRAULIC ACTUATING CYLINDERS, HYDRAULIC OPERATING VALVES, AIR COMPRESSORS, AIR OPERATED SPRAYERS, AIR OPERATED LIQUID PUMPS, COMBINATION UNIT OF AIR FILTER AND FLOW REGULATOR FOR USE IN PAINT SPRAYING APPARATUS, AND PARTS THEREOF.
Claims use since Apr. 2, 1944.

Ser. No. 489,725. ESSICK MANUFACTURING COMPANY, Los Angeles, Calif. Filed Oct. 10, 1945.

BIG BOY

The word "Big" is disclaimed apart from the mark.
FOR CONCRETE MIXERS.
Claims use since Apr. 19, 1945.

Ser. No. 494,620. MARKWELL MFG. CO., INC., New York, N. Y. Filed Jan. 11, 1946.

MARVEL

FOR STAPLING MACHINES USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND METAL TOGETHER, ALSO FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND METAL ONTO WOOD.
Claims use since Dec. 21, 1945.

Ser. No. 494,821. JOSEPH W. DAVIS, doing business as J. W. Davis Company, Bloomington, Ill. Filed Jan. 16, 1946.

SKOOTER

FOR BELT TYPE CONVEYING APPARATUS MOUNTED ON AND USED WITH MOTOR TRUCKS HAVING DUMP BODIES IN THE HANDLING OF COAL AND BULK MATERIALS.
Claims use since June 10, 1944.

Ser. No. 494,826. EATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 16, 1946.

EATONITE

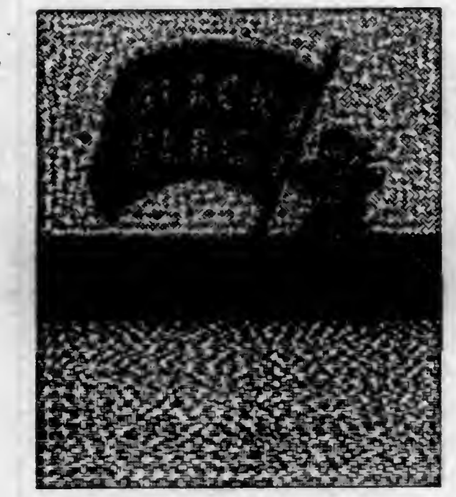
FOR HEAT, WEAR, CORROSION, AND EROSION RESISTANT POPPET VALVE MECHANISMS, FACINGS AND PARTS THEREOF FOR FUEL BURNING ENGINES, ENGINE CAMS AND PARTS THEREOF, AND TURBINE AND SUPERCHARGER BLADES, BUCKETS, AND PARTS THEREOF.
Claims use since December 1945.

Ser. No. 498,101. WOOLDRIDGE MANUFACTURING COMPANY, Sunnyvale, Calif. Filed Mar. 12, 1946.

TERRA-CLIPPER

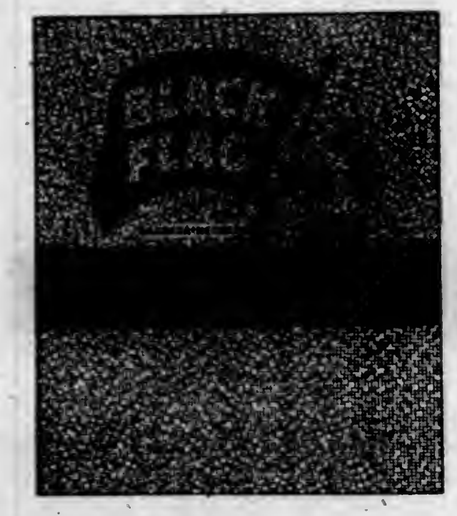
The word "Terra" is disclaimed apart from the mark.
FOR EARTH MOVING CARRIER SCRAPERS.
Claims use since Mar. 1, 1945.

Ser. No. 499,476. BOYLE-MIDWAY INC., Jersey City, N. J. Filed Apr. 2, 1946.



The drawing is lined to indicate the colors orange and yellow and shaded to indicate black.
FOR HAND SPRAYERS FOR INSECTICIDES AND THE LIKE.
Claims use since Mar. 8, 1946; and on the words "Black Flag" and the representation of a flag since 1925.

Ser. No. 499,477. BOYLE-MIDWAY INC., Jersey City, N. J. Filed Apr. 2, 1946.



The drawing is lined to indicate the colors orange and yellow and shaded to indicate black.
FOR HAND SPRAYERS FOR INSECTICIDES AND THE LIKE.
Claims use since Mar. 8, 1946; and on the words "Black Flag" and the representation of a flag since 1925.

Ser. No. 499,971. STANDARD BLADE CO., INC., New York, N. Y. Filed Apr. 10, 1946.

OKey

FOR RAZOR BLADES.
Claims use since June 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 491,578. KOLLMORGEN OPTICAL CORPORATION, Brooklyn, N. Y. Filed Nov. 14, 1945.

K C

FOR OPTICAL GOODS—NAMELY, PROJECTION LENSES, OPTICAL LENSES AND COMBINATIONS FOR SOUND TRACKS, TELESCOPIC SPECTACLES, AND CONTACT LENSES.
Claims use since June 1, 1945.

Ser. No. 491,640. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Nov. 15, 1945.

PANDA

FOR PHOTOGRAPHIC CAMERAS.
Claims use since October 1945.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 500,605. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Apr. 20, 1946.

TABU

FOR CHINA DINNERWARE AND CHINA AND EARTHENWARE CHAMBERS, PITCHERS, AND BOWLS FOR BEDROOM USE, TEA POTS AND CUSPIDORS.
Claims use since Apr. 17, 1946.

CLASS 31

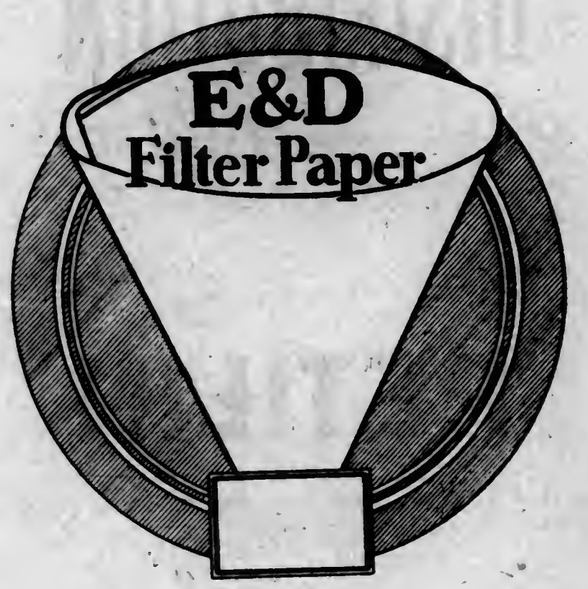
FILTERS AND REFRIGERATORS

Ser. No. 485,193. CARGAIR, INC., Los Angeles, Calif. Filed June 29, 1945.

CARGAIR

FOR REFRIGERATORS FOR REFRIGERATING GOODS BEING TRANSPORTED.
Claims use since May 5, 1945.

Ser. No. 495,279. THE EATON-DIKEMAN COMPANY, Mount Holly Springs, Pa. Filed Jan. 24, 1946.



No claim is made to the use of the words "Filter Paper" and the representation of the goods apart from the mark.
The drawing is lined for shading only.
FOR FILTER PAPER.
Claims use since Feb. 18, 1924.

Ser. No. 504,695. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed June 27, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

Hearthstone

FOR ELECTRIC, GAS AND MECHANICAL REFRIGERATORS.
Claims use since Feb. 13, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 497,662. HENRY G. GILDNER, doing business as Travel-Toi Company, Detroit, Mich. Filed Mar. 5, 1946.



The representation of a child in the mark is fanciful. The word "Travel" is disclaimed apart from the mark.
FOR CHILDREN'S TOILET CHAIRS.
Claims use since Feb. 15, 1946.

Ser. No. 500,683. THE MENGEL COMPANY, Louisville, Ky. Filed Apr. 22, 1946.

Permaslide

FOR DRESSERS, BUREAUS, HIGHBOYS, CHESTS, CHIFFONIERS, AND VANITIES.
Claims use since Mar. 26, 1946.

Ser. No. 501,943. RICHARD B. ZARBIN, doing business as Pritikin Furniture Company, Chicago, Ill. Filed May 11, 1946.

LAZY-BONE

FOR MATTRESSES, PILLOWS, BOX SPRINGS, BED SPRINGS, COUCHES, BEDS, COTS, AND SOFAS.
Claims use since Apr. 15, 1946.

Ser. No. 506,314. HARTER CORPORATION, Sturgis, Mich. Filed July 26, 1946.



FOR CHAIRS, SEATS, AND OFFICE STANDS AND TABLES.
Claims use since July 15, 1946.

Ser. No. 506,585. EDO AIRCRAFT CORPORATION, New York and College Point, Long Island, N. Y. Filed July 31, 1946.

Aerolite

FOR STEP STOOLS.
Claims use since June 27, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 490,939. ELECTRIC STEEL FOUNDRY, Portland, Oreg. Filed Nov. 2, 1945.

DUOSEAL

FOR PLASTIC METALLIC GASKETS FOR VALVES.
Claims use since 1938.

Ser. No. 505,214. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio. Filed July 8, 1946.

CHALLENGER

FOR GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, AND BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES.
Claims use since June 15, 1929.

Ser. No. 506,680. METALLURGICAL EQUIPMENT CO., INC., East Rutherford, N. J. Filed Aug. 1, 1946.

Met-Flex

FOR FLEXIBLE ALL METAL HOSE.
Claims use since September 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 497,848. THOMAS B. COUPER, JR., Glen Ridge, N. J. Filed Mar. 8, 1946.

TONECHEK

FOR PHONOGRAPH SOUND RECORDS, MECHANICALLY GROOVED.
Claims use since Jan. 26, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 490,580. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C. Filed Oct. 27, 1945.

AERIAL

FOR BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS.
Claims use since June 29, 1917.

Ser. No. 493,329. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C. Filed Dec. 15, 1945.

DISTRIBUTION

FOR BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS.
Claims use since Dec. 31, 1932.

Ser. No. 497,116. MILWAUKEE LACE PAPER COMPANY, Milwaukee, Wis. Filed Feb. 23, 1946.

PETILIN

FOR PAPER NAPKINS AND PAPER TRAY COVERS.
Claims use since Jan. 23, 1946.

Ser. No. 497,566. PROTECTO PRODUCTS CO., INC., Pomona, Calif. Filed Mar. 2, 1946.

CUVS

FOR PAPER TOILET SEAT COVERS.
Claims use since Feb. 15, 1946.

Ser. No. 497,941. KOH-I-NOOR PENCIL FACTORY L. & C. HARDMUTH, Ceske Budejovice, Czechoslovakia. Filed Mar. 9, 1946.

SMARAGD

FOR SCREWING AND PRESSING PENCILS, AND FOUNTAIN-PENS.
Claims use since Sept. 8, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 489,708. ARTISTIC CARD COMPANY, Elmira, N. Y. Filed Oct. 10, 1945.



FOR GREETING CARDS.
Claims use since Aug. 1, 1945.

CLASS 39

CLOTHING

Ser. No. 475,303. SCHOBLE HATS, INC., Philadelphia, Pa. Filed Oct. 13, 1944. Under 10-year proviso as to "Schoble."

THE MARK OF DISTINCTION IN MEN'S FINE HEADWEAR

SCHOBLE

Hat Makers to Gentlemen
Since
Eighteen Eighty Six

Applicant disclaims the right to the exclusive use of the words "The Mark of Distinction in Men's Fine Headwear," "Made in U. S. A.," and "Hat Makers to Gentlemen" except in the relation and association shown.
FOR MEN'S HATS.
Claims use since 1938; and since 1886 as to "Schoble."

Ser. No. 475,770. SCHOBLE HATS, INC., Philadelphia, Pa. Filed Oct. 27, 1944. Under 10-year proviso as to "Schoble."

SCHOBLE
PHILADELPHIA
U.S.A.

Applicant disclaims the right to the exclusive use of the phrase "Philadelphia U. S. A." except in the relation and association shown.
FOR MEN'S HATS.
Claims use since 1922; and since 1886 as to "Schoble."

Ser. No. 476,306. SCHOBLE HATS, INC., Philadelphia, Pa. Filed Nov. 9, 1944. Under 10-year proviso as to "Schoble."

by SCHOBLE

FOR MEN'S HATS.
Claims use since July 1929; and since 1886 as to "Schoble."

Ser. No. 487,253. GLENSDER TEXTILE CO., New York, N. Y. Filed Aug. 18, 1945.

Trick Top Glentex Original

The right to the exclusive use of the expressions "Trick Top" and "Original" is disclaimed apart from the mark.
FOR LADIES' AND CHILDREN'S HATS, AND HAT AND SCARF SETS.
Claims use since Mar. 1, 1944.

Ser. No. 490,795. HAROLD E. CONSTANT, doing business as Constant Hosiery Mills, Milwaukee, Wis. Filed Oct. 31, 1945.

Constant

FOR HOSIERY.
Claims use since September 1944.

Ser. No. 492,752. ALEX LEE WALLAU INC., New York, N. Y. Filed Dec. 5, 1945.

Kushysox

FOR SOCKS AND STOCKINGS.
Claims use since September 1945.

Ser. No. 493,445. JERRY COAT COMPANY, doing business as College Deb Coats, New York, N. Y. Filed Dec. 17, 1945.

"College Deb"

FOR WOMEN'S JUNIOR COATS AND SUITS.
Claims use since July 1938.

Ser. No. 496,246. KIRK AND WEIDEMAN, Los Angeles, Calif. Filed Feb. 8, 1946.

MORGRACE
FROM CALIFORNIA

No claim is made to the words "From California" apart from the mark.
FOR BRASSIÈRES, CORSETS, FOUNDATION GARMENTS, AND LADIES' UNDERWEAR.
Claims use since Oct. 5, 1945.

Ser. No. 497,065. THE BLOOMFIELD COMPANY, Cleveland, Ohio. Filed Feb. 23, 1946.

Cirilo

FOR WOMEN'S OUTER APPAREL—NAMELY, DRESSES.
Claims use since Dec. 20, 1945.

Ser. No. 498,314. SAKS & COMPANY, New York, N. Y. Filed Mar. 15, 1946.

Saks Fifth Avenue
demi deb shop

Applicant disclaims exclusive right to the surname "Saks" and the word "Shop" except in the association shown.
FOR MISSES' AND CHILDREN'S DRESSES, HATS, COATS, SUITS, BLOUSES, AND LINGERIE—NAMELY, SLIPS, NIGHTGOWNS, GIRDLES, BRASSIÈRES, PANTIES, PAJAMAS, AND LOUNGING ROBES.
Claims use since Jan. 1, 1946.

Ser. No. 498,604. COHEN BROS. SPECIALTIES INC., New York, N. Y. Filed Mar. 20, 1946.

Playworth

FOR MEN'S OUTER SHIRTS, LOUNGING AND BATH ROBES, AND SPORT COATS.
Claims use since February 1944.

Ser. No. 498,642. LEWIS BROS. & SPRITZER HOSIERY CORP., New York, N. Y. Filed Mar. 20, 1946.

"SPEAKS FOR ITSELF" Polly Hosiery

No claim is made to the exclusive use of the word "Hosiery" apart from the mark.
FOR HOSIERY.
Claims use since May 1919.

Ser. No. 498,741. WINDEE, INC., New York, N. Y. Filed Mar. 21, 1946.

WIN-D

FOR BOYS' UNDERSHIRTS, OUTERSHIRTS, AND PAJAMAS.
Claims use since Jan. 7, 1946.

Ser. No. 499,620. IRVING GOLDSTEIN, Forest Hills, N. Y. Filed Apr. 4, 1946.

POCKETEER

FOR LADIES', MISSES', AND JUNIOR MISSES' DRESSES.
Claims use since Jan. 15, 1945.

Ser. No. 499,979. WINER MANUFACTURING COMPANY, Hammond, Ind. Filed Apr. 10, 1946.

Stratojac

FOR MEN'S, BOYS', JUNIORS', WOMEN'S, AND GIRLS' SPORT JACKETS.
Claims use since Feb. 27, 1946.

Ser. No. 500,350. MARJAN, INCORPORATED, Lancaster, Pa. Filed Apr. 19, 1946.

DEBUETTE

FOR INFANTS' AND CHILDREN'S DRESSES.
Claims use since Apr. 5, 1946.

Ser. No. 501,476. SCOTT & WILLIAMS, INCORPORATED, Laconia, N. H. Filed May 4, 1946. Under the act of February 20 ,1905, as amended June 10, 1938.



FOR HOSIERY FOR MEN, WOMEN, AND CHILDREN.
Claims use since Apr. 3, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 495,829. SALEM PRODUCTS CORP., New York, N. Y. Filed Feb. 1, 1946.

The
SMARTY

FOR SHOULDER PADS DESIGNED FOR USE IN WEARING APPAREL.
Claims use since Jan. 22, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 466,946. MOOK BROTHERS, New York, N. Y. Filed Jan. 28, 1944.

EMBRO

FOR PIECE GOODS OF COTTON, OF RAYON, AND OF MIXTURES OF COTTON AND RAYON, AND OF MIXTURES OF COTTON, RAYON, AND WOOL.
Claims use since Oct. 1, 1943.

Serial No. 477,262. DIVERSIFIED FABRICS, INC., New York, N. Y. Filed Dec. 6, 1944.

El Gator

FOR RAYON PIECE GOODS.
Claims use since Mar. 13, 1944.

Ser. No. 490,867. MARTIN WEINER, New York, N. Y. Filed Oct. 31, 1945.

ny-Time

FOR PIECE GOODS, TO WIT, RAYON AND NYLON PIECE GOODS.
Claims use since Aug. 1, 1945.

Ser. No. 498,360. TEXTRON INCORPORATED, Providence, R. I. Filed Mar. 16, 1946.

TEXTRON

FOR BEDSPREADS, VANITY TABLE SKIRTS, AND TEXTILE BRIDGE TABLE COVERS.
Claims use since Feb. 8, 1945, on bedspreads and vanity table skirts; and since Apr. 4, 1944, on textile bridge table covers.

Ser. No. 498,363. WORUMBO MANUFACTURING COMPANY, Lisbon Falls, Maine. Filed Mar. 16, 1946.

CROSS WINDS

FOR WOOLEN GOODS IN THE PIECE.
Claims use since Feb. 22, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 491,182. WESTERFIELD PHARMACAL CO. INC., Dayton, Ohio. Filed Nov. 6, 1945.

Alburin

Applicant disclaims the word "Urin" apart from the mark.
FOR CHEMICAL TEST SET FOR DETECTING ALBUMIN IN URINE.
Claims use since Aug. 1, 1945.

Ser. No. 502,845. HOWARD C. RIORDAN, doing business as E. N. T. Tampon Company, Oak Park, Ill. Filed May 27, 1946.

ent

FOR TAMPONS AND SURGICAL DRESSINGS.
Claims use since May 1939.

Ser. No. 505,727. J. BISHOP & COMPANY PLATINUM WORKS, Malvern, Pa. Filed July 17, 1946.

ALBALON

FOR HYPODERMIC NEEDLES.
Claims use since June 18, 1946.

Ser. No. 506,634. BECTON, DICKINSON & CO., Rutherford, N. J. Filed Aug. 1, 1946.

RED FLASH

FOR CLINICAL THERMOMETERS.
Claims use since Jan. 1, 1938.

Ser. No. 506,715. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa., and Baltimore, Md. Filed Aug. 1, 1946.

Monoflex

FOR APPARATUS EMPLOYED FOR THE PURPOSE OF MAKING RADIOGRAPHIC AND FLUOROSCOPIC DIAGNOSTIC EXAMINATIONS.
Claims use since Mar. 22, 1946.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 502,122. CONCORDADE COMPANY, INC., Providence, R. I. Filed May 15, 1946.

FRISKY

FOR NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING SAME.
Claims use since Jan. 8, 1945.

Ser. No. 502,757. HERMAN E. KORNBLUM, Monticello, N. Y. Filed May 25, 1946.

OMBO

FOR NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING SAME.
Claims use since May 8, 1946.

Ser. No. 502,941. THE BEVODEL COMPANY, Sacramento, Calif. Filed May 29, 1946.

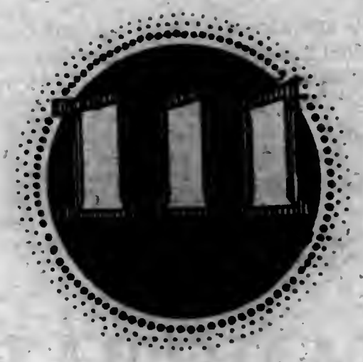
BEVODEL

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Feb. 1, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 465,284. SUGAR PRODUCTS CO., Bloomfield, N. J. Filed Nov. 23, 1943.



The drawing is lined to indicate the color red.
FOR CANDY.
Claims use since Oct. 15, 1943.

Ser. No. 478,826. HILLTOP FARM FEED COMPANY, Minneapolis, Minn. Filed Jan. 6, 1945.

HILLTOP

Applicant is the owner of Reg. No. 276,014.
FOR POULTRY FEEDS—NAMELY, 32% POULTRY CONCENTRATE, HEN SCRATCH, GROWING SCRATCH, EGG LAYING PREPARATION (CALLED EGG MAKER), 40% POULTRY CONCENTRATE, DEVELOPING MASH, CHICK STARTER AND GROWER, CHICK MASH, LAYING MASH, "ALL MASH" CHICK STARTER, TURKEY STARTER AND TURKEY GROWER; STOCK FEEDS INCLUDING HOG SUPPLEMENT FEED, HOG CONCENTRATE FEED, PIG MEAL, SUPPLEMENT FEED AND HOG FEED.
Claims use since Jan. 1, 1944; and as to laying mash since 1927.

Ser. No. 491,173. LEIGH SILLIPHANT, Glendale, Calif. Filed Nov. 6, 1945.



The words "Recommended by Leigh Silliphant Purveyor" and "American" are disclaimed apart from the mark. The color represented by the lining of the drawing is gold.
FOR GARLIC SAUCE AND SOY SAUCE AND WINE VINEGARS.
Claims use since Aug. 14, 1945.

Ser. No. 491,232. CLOUGHERTY BROS., Vernon, Calif., assignor to Clougherty Packing Company, Vernon, Calif. a corporation of California. Filed Nov. 8, 1945.



The representation of a man is fanciful. The word "Brand" is disclaimed apart from the mark.
FOR MEAT AND MEAT PRODUCTS—NAMELY BOLOGNA, LIVER SAUSAGE, SALAMI, LUNCHEON SAUSAGE, PIMENTO SAUSAGE, PORK SAUSAGE, AND HAM.
Claims use since July 1, 1939.

Ser. No. 495,475. HUNT FOODS, INC., San Francisco, Calif. Filed Jan. 26, 1946. Under 10-year proviso.

Hunt's

Applicant is the owner of Reg. Nos. 154,771 and 397,355.
FOR CANNED FRUITS AND VEGETABLES.
Claims use since 1890.

Ser. No. 495,800. HILLS BROS. COFFEE, INC., San Francisco, Calif. Filed Feb. 1, 1946. Under 10-year proviso as to "Hills Bros."

HILLS BROS COFFEE

Applicant is the owner of Reg. Nos. 51,468 (renewed); 71,581 (renewed); and 163,338 (renewed). Applicant disclaims the right to the use of the word "Coffee" apart from the mark. The drawing is lined for red and yellow.
FOR COFFEE.
Claims use since June 3, 1922; and since Mar. 1, 1878, as to "Hills Bros."

Ser. No. 495,801. HILLS BROS. COFFEE, INC., San Francisco, Calif. Filed Feb. 1, 1946. Under 10-year proviso as to "Hills Bros."

HILLS BROS COFFEE

Applicant is the owner of Reg. Nos. 51,468 (renewed); 71,581 (renewed); and 163,338 (renewed). Applicant disclaims the right to the use of the word "Coffee" apart from the mark. The drawing is lined for red and yellow.
FOR COFFEE.
Claims use since Nov. 19, 1936; and since Mar. 1, 1876 as to "Hills Bros."

Ser. No. 496,329. PACKAGED FOODS PRODUCTS CO., Detroit, Mich. Filed Feb. 9, 1946.

PATO-PAN MIX

The words "Pan" and "Mix" are disclaimed apart from the mark.
FOR POTATO PANCAKE MIXTURE.
Claims use since Dec. 26, 1945.

Ser. No. 496,640. LECO FEED MILLS, INC., Kinston, N. C. Filed Feb. 15, 1946.

LECO

FOR FEEDS FOR POULTRY—NAMELY, STARTING, GROWING AND LAYING MASHES; AND FEEDS FOR LIVESTOCK—NAMELY, DAIRY FEED AND PIG AND HOG FEED.
Claims use since Nov. 17, 1939.

Ser. No. 497,010. BIGGAR & BIGGAR, Fort Myers, Fla. Filed Feb. 21, 1946.

BLUE SHAWL

FOR FRESH VEGETABLES.
Claims use since February 1930.

Ser. No. 497,148. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Feb. 23, 1946.

VANADE

Applicant is the owner of Reg. No. 402,406.
FOR WHIPPING AND EMULSIFYING AGENT FOR USE IN THE MANUFACTURE OF SUCH MATERIALS AS BREAD, CAKE, ICE CREAM, FILLINGS, ICINGS, AND THE LIKE.
Claims use since Jan. 31, 1946.

Ser. No. 497,150. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Feb. 23, 1946.

VANSTAY

Applicant is the owner of Reg. No. 402,406.
FOR WHIPPING AND EMULSIFYING AGENT FOR USE IN THE MANUFACTURE OF SUCH MATERIALS AS BREAD, CAKE, ICE CREAM, FILLINGS, ICINGS, AND THE LIKE.
Claims use since Feb. 4, 1946.

Ser. No. 499,436. FLOYD H. SEARCY, doing business as Rose City Foods, Thomasville, Ga. Filed Apr. 1, 1946.



The portrait of the little boy is that of William Nelson Searcy, son of the applicant, consent given.
FOR PEANUT BUTTER.
Claims use since Jan. 31, 1946.

Ser. No. 500,304. D. R. HOAK, doing business as West Coast Growers & Packers, Fresno, Calif. Filed Apr. 16, 1946.

Blondie

FOR RAISINS.
Claims use since Feb. 27, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 499,729. PENNDALE DISTILLING COMPANY, Philadelphia, Pa. Filed Apr. 5, 1946.

CORNDALE

FOR CORN WHISKEY.
Claims use since Mar. 12, 1945.

Ser. No. 499,965. PENNDALE DISTILLING COMPANY, Philadelphia, Pa. Filed Apr. 10, 1946.

PENNDALE

FOR BLENDED WHISKEY.
Claims use since Mar. 31, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 494,639. MACY O. TEETOR, doing business as M. O. T. Industries, New Castle, Ind. Filed Jan. 11, 1946.

ORDERLAY

FOR GARMENT HANGERS.
Claims use since Dec. 12, 1945.

Ser. No. 498,507. C. R. DANIELS, INC., Hillsdale, Baltimore, Md. Filed Mar. 19, 1946.



Applicant is the owner of Reg. Nos. 255,548 and 409,171. No claim is made to the words "Sporting Goods" apart from the mark.
FOR TENTS.
Claims use since May 21, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 8, 1946

424,424. SECTIONAL AIR BAGS FOR TIRE REPAIRING. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 11, 1942. Serial No. 453,597. PUBLISHED JULY 16, 1946. Class 23.

424,425. GLASS CONTAINERS FOR HIGH TEMPERATURE INDUSTRIAL USE—NAMELY, GLASS TRAYS, FLASKS, AND JARS; GLASS CYLINDERS, GLASS TUBING, FLAT GLASS, AND GLASS RODS. CORNING GLASS WORKS, Corning, N. Y.
Filed June 17, 1942. Serial No. 453,716. PUBLISHED JULY 16, 1946. Class 33.

424,426. INDUSTRIAL AND/OR MUNICIPAL APPARATUS FOR CHEMICALLY PRECIPITATING DISSOLVED MATTER FROM LIQUIDS ONTO CHEMICAL NUCLEI CONTAINED IN A TANK. THE PERMUTIT COMPANY, New York, N. Y.
Filed March 10, 1943. Serial No. 459,013. PUBLISHED JULY 16, 1946. Class 23.

424,427. TESTING DEVICES FOR VEHICLE WHEELS—NAMELY, GAUGING INSTRUMENTS FOR CHECKING DYNAMICALLY THE ROLLING POSITION OF A WHEEL, FOR CHECKING WHEEL CAMBER AND CASTER, FOR CHECKING KING PIN INCLINATION, FOR CHECKING TOE-IN RELATIONSHIP OF WHEELS, AND FOR CHECKING FLOOR LEVELNESS WHERE THE WHEEL CHECKING IS TO BE PERFORMED. TESTING APPARATUS, INC., Detroit, Mich.
Filed April 23, 1943. Serial No. 460,129. PUBLISHED MAY 22, 1945. Class 26.

424,428. CELERY. DENNIS MILLS, doing business as Uncle Sam Produce, New York, N. Y.
Filed February 11, 1944. Serial No. 467,345. PUBLISHED NOVEMBER 7, 1944. Class 46.

424,429. WRITING PAPER AND ENVELOPES. STROMBECK PRESS INC., Moline, Ill.
Filed April 13, 1944. Serial No. 469,314. PUBLISHED JULY 31, 1945. Class 37.

424,430. SELF-ALIGNING PUMP VALVES AND PARTS THEREOF—NAMELY, CAGE, VALVE, AND SEAT, GENERALLY USED IN POWER DRIVEN PUMPS. MADSEN IRON WORKS, Huntington Park, Calif.
Filed April 17, 1944. Serial No. 469,409. PUBLISHED JULY 16, 1946. Class 13.

424,431. ELECTRIC MOTORS AND PARTS THEREOF AND ELECTRIC GENERATORS AND PARTS THEREOF. THE MASTER ELECTRIC COMPANY, Dayton, Ohio.
Filed June 15, 1944. Serial No. 471,266. PUBLISHED JULY 16, 1946. Class 21.

424,432. ELECTRIC WELDING APPARATUS—NAMELY, ELECTRIC ARC WELDING HEADS, AND ARC WELDERS; UNITARY ELECTRIC PUMPS AND PARTS THEREOF, AND ELECTRIC WATER HEATERS AND PARTS THEREFOR. A. O. SMITH CORPORATION, Milwaukee, Wis.
Filed June 28, 1944. Serial No. 471,762. PUBLISHED JULY 16, 1946. Class 21.

424,433. CANDIES. MARLON CONFECTIONS COMPANY, New York, N. Y.
Filed July 6, 1944. Serial No. 471,954. PUBLISHED SEPTEMBER 4, 1945. Class 46.

424,434. HAND-OPERATED REELS FOR HOLDING SKEINS OF YARN FOR WINDING PURPOSES. C. J. BATES & SON, Chester, Conn.
Filed September 12, 1944. Serial No. 474,107. PUBLISHED JULY 16, 1946. Class 23.

424,435. FRACTIONAL HORSE POWER ELECTRICAL MOTORS. THE LAMB ELECTRIC COMPANY, Kent, Ohio.
Filed February 15, 1945. Serial No. 479,850. PUBLISHED JULY 16, 1946. Class 21.

424,436. TOY MODEL AIRCRAFT. INTERNATIONAL MODEL AIRCRAFT LIMITED, Merton, London, England.
Filed March 20, 1945. Serial No. 481,111. PUBLISHED JULY 16, 1946. Class 22.

424,437. HOLDERS FOR DRILLING, BORING, REAMING, AND TAPPING TOOLS. FRED BURG, doing business as Burg Tool Mfg. Co., Los Angeles, Calif.
Filed March 26, 1945. Serial No. 481,313. PUBLISHED JULY 16, 1946. Class 23.

424,438. PRECISION GEARS—NAMELY, SPUR GEARS, HELICAL GEARS, WORM GEARS, BEVEL GEARS, WORMS, SPROCKETS, AND GEAR RACKS. BEAVER GEAR WORKS, INC., Rockford, Ill.
Filed April 4, 1945. Serial No. 481,691. PUBLISHED NOVEMBER 13, 1945. Class 23.

424,439. CRUSHERS—NAMELY, MINERAL AND COAL CRUSHERS. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio, now by change of name to The Jeffrey Company, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio.
Filed April 6, 1945. Serial No. 481,791. PUBLISHED JULY 16, 1946. Class 23.

424,440. PAPER BAGS AND SACKS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed April 14, 1945. Serial No. 482,131. PUBLISHED JULY 24, 1945. Class 2.

424,441. WATER SYSTEMS, EACH SYSTEM COMPRISING A MOTOR, A PUMP, AND A PRESSURE TANK, FOR DOMESTIC USE, ETC. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed April 21, 1945. Serial No. 482,431. PUBLISHED JULY 16, 1946. Class 23.

424,442. SALAD DRESSING, FRENCH DRESSING, AND CANNED FRUITS—NAMELY, BLACKBERRIES, GRAPEFRUIT, AND ORANGES, PEACHES, PEARS, AND PINEAPPLE. THE GRAND UNION COMPANY, New York, N. Y.
Filed May 10, 1945. Serial No. 483,177. PUBLISHED JULY 16, 1946. Class 46.

424,443. TRAFFIC SIGNAL LIGHTS AND ELECTRIC CONTROLLERS THEREFOR, MUNICIPAL ELECTRICALLY OPERATED FIRE ALARM BOXES AND ELECTRICAL SWITCHBOARDS. EDWARD A. BRASS, doing business as Southern Switch & Signal Company, Shreveport, La.
Filed May 11, 1945. Serial No. 483,206. PUBLISHED JULY 16, 1946. Class 21.

424,444. ELECTRICAL INSULATING MATERIALS OF THE TYPE FOR PREVENTING ELECTRIC CURRENT CONDUCTION AND SOLD IN THE FORM OF SHEETS AND THE LIKE. HANS D. ISENBERG, doing business as Dielectric Materials Company, Chicago, Ill.
Filed May 14, 1945. Serial No. 483,306. PUBLISHED JULY 16, 1946. Class 21.

424,445. CANNED VEGETABLES AND TOMATO CATCHUP. OPPENHEIM & MCEWAN CO., INC., Albany, N. Y.
Filed May 23, 1945. Serial No. 483,694. PUBLISHED JULY 16, 1946. Class 46.

424,446. RICE. BATON ROUGE RICE MILL, INC., Baton Rouge, La.
Filed May 31, 1945. Serial No. 484,007. PUBLISHED JULY 16, 1946. Class 46.

424,447. RICE. BATON ROUGE RICE MILL, INC., Baton Rouge, La.
Filed May 31, 1945. Serial No. 484,008. PUBLISHED JULY 16, 1946. Class 46.

424,448. LADIES' HANDBAGS. BUCK BROS. & COMPANY, INCORPORATED, Louisville, Ky.
Filed June 2, 1945. Serial No. 484,082. PUBLISHED JULY 16, 1946. Class 3.

424,449. LUBRICATING OILS AND GREASES. FRANK W. DRYDEN & SONS, Baltimore, Md.
Filed June 5, 1945. Serial No. 484,163. PUBLISHED JUNE 25, 1946. Class 15.

424,450. ROTARY MOTION TRANSMITTING APPARATUS OF THE TYPE WHICH COMPRISES A BELLOWS WITH A SEALED HEAD AT ONE END AND A NUTATING CRANK FIXEDLY SECURED TO THE HEAD AND EXTENDING IN OPPOSITE DIRECTIONS THEREFROM. KEARFOTT ENGINEERING CO., New York, N. Y.
Filed June 8, 1945. Serial No. 484,300. PUBLISHED JULY 16, 1946. Class 23.

424,451. LUBRICATION EQUIPMENT—NAMELY, PUMPS AND DISPENSERS FOR INJECTING MOTOR OIL INTO THE CRANKCASES OF MOTOR VEHICLES. BALCRANK INC., Cincinnati, Ohio.
Filed June 9, 1945. Serial No. 484,337. PUBLISHED JULY 16, 1946. Class 26.

424,452. FILING RACKS FOR CORRESPONDENCE AND THE LIKE. REMINGTON RAND INC., Buffalo, N. Y.
Filed June 9, 1945. Serial No. 484,359. PUBLISHED SEPTEMBER 25, 1945. Class 32.

424,453. CATTLE FEED. TAYLOR MILLING CORPORATION, Los Angeles, Calif., assignor to Ralston Purina Company, St. Louis, Mo., a corporation of Missouri.
Filed June 13, 1945. Serial No. 484,508. PUBLISHED MARCH 12, 1946. Class 46.

424,454. FLAVORING EXTRACTS FOR ICE CREAM. GERALD C. BALCH, doing business as Balch Flavor Company, Pittsburgh, Pa.
Filed June 20, 1945. Serial No. 484,774. PUBLISHED JULY 16, 1946. Class 46.

424,455. COATED FABRICS IN THE NATURE OF ARTIFICIAL LEATHER. EGGERS FABRIC COMPANY, New York, N. Y.
Filed July 2, 1945. Serial No. 485,336. PUBLISHED JULY 9, 1946. Class 50.

424,456. COATED FABRICS IN THE NATURE OF ARTIFICIAL LEATHER. EGGERS FABRIC COMPANY, New York, N. Y.
Filed July 2, 1945. Serial No. 485,337. PUBLISHED JULY 9, 1946. Class 50.

424,457. TREATED MATERIAL IN THE NATURE OF ARTIFICIAL LEATHER. TEXTILEATHER CORPORATION, Toledo, Ohio.
Filed July 11, 1945. Serial No. 485,705. PUBLISHED JULY 16, 1946. Class 50.

424,458. ENGINE BEARINGS. MCQUAY-NORRIS MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 16, 1945. Serial No. 485,876. PUBLISHED JULY 9, 1946. Class 23.

424,459. ELECTRICAL SUPERVISORY ALARM SIGNALLING APPARATUS, COMPRISING ASSEMBLIES OF PILOT LIGHTS, TERMINAL BLOCKS, RELAYS, SWITCHES, CIRCUIT BREAKERS, FLASHING DEVICES, GONGS, BELLS, HOWLERS, WIRING DEVICES, CONNECTORS, AND PARTS THEREOF. RUSSELL & STOLL COMPANY, INC., New York, N. Y.
Filed July 16, 1945. Serial No. 485,887. PUBLISHED JULY 16, 1946. Class 21.

424,460. ELECTRONIC-MECHANICAL INSTRUMENT FOR THE INTEGRATION OF PRESELECTED QUANTITIES OF LIGHT AND RADIANT ENERGY AND FOR THE AUTOMATIC CONTROL OF TIME IN THE EXPOSURE TO EFFECT THE SELECTED QUANTITY CUMULATIVELY. ELECTRONIC MECHANICAL PRODUCTS COMPANY, Atlantic City, N. J.
Filed July 26, 1945. Serial No. 486,298. PUBLISHED JULY 16, 1946. Class 26.

424,461. CLEANING GUNS FOR MIXING, ATOMIZING, AND APPLYING CLEANING LIQUIDS IN THE WASHING AND CLEANING OF AIRPLANES AND AUTOMOTIVE AND SIMILAR VEHICLES. SOUTHERN SUPPLY CO., Pasadena, Calif.
Filed July 30, 1945. Serial No. 486,506. PUBLISHED JULY 9, 1946. Class 23.

424,462. PHONOGRAPH GROOVED RECORDS. MANOR RECORD CO., Newark, N. J.
Filed August 6, 1945. Serial No. 486,796. PUBLISHED JULY 16, 1946. Class 36.

424,463. WITHDRAWN.

424,464. WRITING AND PRINTING PAPER. KEITH PAPER COMPANY, Turners Falls, Mass.
Filed August 13, 1945. Serial No. 487,084. PUBLISHED DECEMBER 25, 1945. Class 37.

424,465. LUBRICATING OIL. JOHN L. PATRICK, Los Angeles, Calif.
Filed August 17, 1945. Serial No. 487,202. PUBLISHED JUNE 25, 1946. Class 15.

424,466. ELECTRICALLY HEATED ATOMIZER FOR SPRAYING LIQUIDS. THE TANGLEFOOT COMPANY, Grand Rapids, Mich.
Filed August 17, 1945. Serial No. 487,218. PUBLISHED JULY 16, 1946. Class 21.

424,467. ELECTRIC FENCES. RICHARD H. TURK, doing business as International Electric Fence Co., Chicago, Ill.
Filed August 20, 1945. Serial No. 487,342. PUBLISHED JULY 16, 1946. Class 21.

424,468. EXTENSIBLE ELECTRICAL CORDS. KELLOGG SWITCHBOARD AND SUPPLY COMPANY, Chicago, Ill.
Filed August 22, 1945. Serial No. 487,422. PUBLISHED JULY 16, 1946. Class 21.

424,469. GRAPHITE WADS SOLD IN RIBBON FORM FOR REDUCING EROSION, CORROSION, AND LEAD FOULING IN GUN BARRELS, ETC. WILLIAM W. PERKINS, doing business as Industrial Products Company, Wakefield, Mass.
Filed August 24, 1945. Serial No. 487,521. PUBLISHED JULY 16, 1946. Class 15.

424,470. WHEAT FLOUR. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed September 7, 1945. Serial No. 488,124. PUBLISHED JULY 16, 1946. Class 46.

424,471. RASPS AND FILES. STOKES BROS. MANUFACTURING CO., Freehold, N. J.
Filed September 11, 1945. Serial No. 488,288. PUBLISHED JULY 16, 1946. Class 23.

424,472. ARTICLES MADE OF GLASS—NAMELY, BAKING DISHES, MIXING BOWLS, COASTERS, COCKTAIL SHAKERS, COCKTAIL, HIGHBALL AND WINE GLASSES, BRANDY, WHISKEY AND CORDIAL GLASSES, TABLE GLASSWARE AND GLASS COOKING UTENSILS. REVOC, INC., New York, N. Y.
Filed September 12, 1945. Serial No. 488,374. PUBLISHED JULY 9, 1946. Class 33.

424,473. OIL FILTERS, PARTICULARLY FOR USE AS ATTACHMENTS FOR INTERNAL COMBUSTION ENGINES, AND PARTS FOR SAID FILTERS INCLUDING CARTRIDGES THEREFOR. FRAM CORPORATION, East Providence, R. I.
Filed September 13, 1945. Serial No. 488,401. PUBLISHED JULY 16, 1946. Class 23.

424,474. FRESH TOMATOES. MYLES L. GREENE, doing business as Myles L. Greene & Co., Fort Lauderdale, Fla.
Filed September 17, 1945. Serial No. 488,587. PUBLISHED JULY 16, 1946. Class 46.

424,475. ELECTRICAL CONNECTORS. JOHN D. BENFIELD, Detroit, Mich.
Filed September 20, 1945. Serial No. 488,733. PUBLISHED JULY 16, 1946. Class 21.

424,476. COMBINED PORTABLE PUMP AND FILTER UNITS FOR PRODUCING DRINKING WATER. WALLACE & TIERNAN CO., INC., Belleville, N. J.
Filed October 11, 1945. Serial No. 489,839. PUBLISHED JULY 16, 1946. Class 31.

424,477. WHEELS FOR MODEL AIRPLANES. HELY-ARC MODEL EQUIPMENT CO., Akron, Ohio.
Filed October 17, 1945. Serial No. 490,065. PUBLISHED JULY 16, 1946. Class 50.

424,478. TRESTLE TABLES, CARD TABLES, CORNER TABLES, SIDE TABLES, REFLECTORY TABLES, END TABLES, ETC. HABITANT SHOPS, INC., Bay City, Mich.
Filed October 22, 1945. Serial No. 490,306. PUBLISHED JULY 16, 1946. Class 32.

424,479. ELECTRIC FENCERS, ELECTRIC PAINT CONDITIONERS FOR SHAKING CANS OF PAINT, ELECTRIC PAINT MIXERS, ELECTRIC FLOOR SANDERS, AND ELECTRIC FLOOR EDGERS. RED DEVIL TOOLS, Irvington, N. J.
Filed October 23, 1945. Serial No. 490,398. PUBLISHED JULY 16, 1946. Class 21.

424,480. PEN KNIVES, SHEARS, KITCHEN KNIVES, JACK KNIVES, HUNTING KNIVES, AND TABLE CUTLERY OF BASE METAL. QUEEN CITY CUTLERY, COMPANY, Titusville, Pa.
Filed October 24, 1945. Serial No. 490,447. PUBLISHED JULY 16, 1946. Class 23.

424,481. TRANSMITTING AND RECEIVING RADIO ANTENNAS—NAMELY, TELEVISION, FREQUENCY MODULATION AND AMATEUR HIGH FREQUENCY ANTENNAS. SHUR-ANTENNA-MOUNT, INC., Sea Cliff, N. Y.
Filed October 29, 1945. Serial No. 490,709. PUBLISHED JULY 16, 1946. Class 21.

424,482. HAND PAINTED TABLE GLASSWARE INCLUDING GOBLETS, DRINKING GLASSES, PITCHERS, VASES, SAUCERS, CUPS, AND PLATES. ROBERT L. LE MAY, Omaha, Nebr.
Filed November 2, 1945. Serial No. 490,952. PUBLISHED JULY 16, 1946. Class 33.

424,483. RETICULAR METALLIC AND/OR TEXTILE BASE COVERED WITH A FILM OR COATING OF A CELLULOSE DERIVATIVE, ETC. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed November 3, 1945. Serial No. 490,998. PUBLISHED JULY 2, 1946. Class 50.

424,484. PLASTIC TOY BANKS. TOY TOWN CORPORATION, New York, N. Y.
Filed November 6, 1945. Serial No. 491,180. PUBLISHED JULY 16, 1946. Class 22.

424,485. POPCORN IN ITS NATURAL STATE, IMITATION BUTTER SEASONING, AND FLAVORING EXTRACTS FOR FOOD PURPOSES. WEBB MANUFACTURING COMPANY, Trussville, Ala.
Filed November 8, 1945. Serial No. 491,296. PUBLISHED MARCH 26, 1946. Class 46.

424,486. HORSE AND MULE FEED. ALABAMA FEED MILLS, Tuscaloosa, Ala.
Filed November 9, 1945. Serial No. 491,305. PUBLISHED JULY 16, 1946. Class 46.

424,487. LUBRICATING OILS. SONARD CORPORATION, Cleveland, Ohio.
Filed November 9, 1945. Serial No. 491,371. PUBLISHED JUNE 25, 1946. Class 15.

424,488. MILKING EQUIPMENT—NAMELY, MILKING MACHINES, PUMPS, AND PARTS THEREOF. BABSON BROS. CO., Chicago, Ill.
Filed November 23, 1945. Serial No. 492,027. PUBLISHED JULY 16, 1946. Class 23.

424,489. CROCKERY, EARTHENWARE, AND PORCELAIN—NAMELY, DINNERWARE CONSISTING OF CUPS, SAUCERS, PLATES, PLATTERS, DISHES, PITCHERS, BOWLS, AND JUGS. MICHAELS & CO., INC., Brooklyn, N. Y.
Filed November 23, 1945. Serial No. 492,071. PUBLISHED JUNE 25, 1946. Class 30.

424,490. RADIO RECEIVING SETS, ELECTRIC RECORD PLAYERS WITH AMPLIFIER, RADIO MANUAL PHONOGRAPH COMBINATION, ETC. AVIOLA RADIO CORPORATION, Glendale, Calif.
Filed November 24, 1945. Serial No. 492,125. PUBLISHED JULY 16, 1946. Class 21.

424,491. ZITHERS. OSCAR SCHMIDT-INTERNATIONAL, INCORPORATED, Jersey City, N. J.
Filed November 24, 1945. Serial No. 492,157. PUBLISHED JUNE 25 1946. Class 36.

424,492. CANNED FISH. FRANCIS MILLERD AND COMPANY LIMITED, Vancouver, British Columbia, Canada.
Filed November 26, 1945. Serial No. 492,215. PUBLISHED JULY 16, 1946. Class 46.

424,493. PHOTOGRAPHIC LIGHTING EQUIPMENT—NAMELY, PHOTOFLOOD AND PHOTOFLASH LAMP SOCKET AND REFLECTOR ASSEMBLIES, REFLECTORS AND REFLECTOR CLAMPS. MAX BLACK, doing business as M. Black Manufacturing Company, Philadelphia, Pa.
Filed November 29, 1945. Serial No. 492,354. PUBLISHED JULY 16, 1946. Class 21.

424,494. MOLDED PLASTIC COCKTAIL SPOONS, FORKS, SPEARS, AND MUDDLERS. EARL S. TUPPER, Farnumsville, Mass., assignor to Tupper Plastics, Inc., Farnumsville, Mass., a corporation of Delaware.
Filed November 29, 1945. Serial No. 492,405. PUBLISHED JULY 16, 1946. Class 23.

424,495. LUMINOUS CAPSULES TO BE ATTACHED TO OBJECTS TO BE LOCATED IN THE DARK. BIDDLE-COX COMPANY, INC., New York, N. Y.
Filed November 30, 1945. Serial No. 492,424. PUBLISHED JULY 2, 1946. Class 50.

424,496. GLASS PERFUME BOTTLES, TABLE GLASSWARE, GLASS BEVERAGE SETS, GLASS DECANTER SETS, GLASS SUGAR BOWLS, ETC. THE GAILSTYN COMPANY, New York, N. Y.
Filed November 30, 1945. Serial No. 492,434. PUBLISHED JULY 16, 1946. Class 33.

424,497. TEXTILE SAMPLE CARDS. HARRY STEIN, doing business as Ace Sample Card Co., New York, N. Y.
Filed December 1, 1945. Serial No. 492,528. PUBLISHED JULY 16, 1946. Class 50.

424,498. STOVE MATS AND TABLE MATS HAVING AN ASBESTOS BACK AND A METAL TOP, USED AS A SURFACE PROTECTOR. LAUER MANUFACTURING COMPANY, Chicago, Ill.
Filed December 15, 1945. Serial No. 493,368. PUBLISHED JULY 16, 1946. Class 50.

424,499. HANDPIECE LUBRICANT AND CLEANER COMPRISING AN OILY-BASE LIQUID. THE DENTAL SPECIALTY MANUFACTURING CO., INC., Denver, Colo.
Filed December 17, 1945. Serial No. 493,433. PUBLISHED JULY 2, 1946. Class 15.

424,500. VENDING MACHINES. KNAPWAY DEVICES, INC., Kansas City, Mo.
Filed December 18, 1945. Serial No. 493,496. PUBLISHED JULY 16, 1946. Class 23.

424,501. SWINE AND POULTRY FEEDS CONTAINING VITAMIN-ENRICHED SEMI-SOLID BREWERS' YEAST, BUTTERMILK, AND WHEY. SHEARER'S DRIED MILK PRODUCTS CORPORATION, Philadelphia, Pa.
Filed December 22, 1945. Serial No. 493,832. PUBLISHED JULY 16, 1946. Class 46.

424,502. UNITARY COMBINATION MECHANICAL BRUSH AND DUSTPAN. STAMPING SERVICE, INC., Detroit, Mich.
Filed December 22, 1945. Serial No. 493,843. PUBLISHED JULY 16, 1946. Class 23.

424,503. ELECTRICAL EQUIPMENT AND APPLIANCES—NAMELY, RADIO RECEIVING SETS, PHONOGRAPHS, COMBINATION RADIO AND PHONOGRAPH, AND RECORD CHANGERS. WILLIAM W. BARR, doing business as Barr Electric Company, Dallas, Tex.
Filed December 26, 1945. Serial No. 493,879. PUBLISHED JULY 16, 1946. Class 21.

424,504. PISTON, TYPE FORCE PUMPS USED FOR PUMPING MOLTEN SULFUR AND SIMILAR PRODUCTS AND PARTS THEREOF. HASCO VALVE AND MACHINE CO., Milwaukee, Wis.
Filed December 28, 1945. Serial No. 493,957. PUBLISHED JULY 16, 1946. Class 23.

424,505. ELECTRIC TOASTERS. LEXINGTON MACHINERY & DEVELOPMENT CO., INC., Clifton, N. J.
Filed December 28, 1945. Serial No. 493,971. PUBLISHED JULY 16, 1946. Class 21.

424,506. LUBRICATING OILS. SUN OIL COMPANY, Philadelphia, Pa.
Filed January 5, 1946. Serial No. 494,372. PUBLISHED JULY 16, 1946. Class 15.

424,507. LUBRICATING OILS. SUN OIL COMPANY, Philadelphia, Pa.
Filed January 5, 1946. Serial No. 494,373. PUBLISHED JULY 16, 1946. Class 15.

424,508. LUBRICATING OILS. SUN OIL COMPANY, Philadelphia, Pa.
Filed January 5, 1946. Serial No. 494,374. PUBLISHED JULY 16, 1946. Class 15.

424,509. LUBRICATING OIL. SUN OIL COMPANY, Philadelphia, Pa.
Filed January 5, 1946. Serial No. 494,375. PUBLISHED JULY 16, 1946. Class 15.

424,510. LAWN RAKE. HAYDEN COMPANY, Kendallville, Ind.
Filed January 9, 1946. Serial No. 494,502. PUBLISHED JULY 16, 1946. Class 23.

424,511. RADIOS, AND RADIO AND PHONOGRAPH COMBINATIONS. CAVENDISH TRADING CORP., New York, N. Y.
Filed January 12, 1946. Serial No. 494,653. PUBLISHED JULY 16, 1946. Class 21.

424,512. RAZOR BLADES. AFFILIATED RETAILERS, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 494,998. PUBLISHED JULY 9, 1946. Class 23.

424,513. RAZOR BLADES. AFFILIATED RETAILERS, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 494,999. PUBLISHED JULY 9, 1946. Class 23.

424,514. RAZOR BLADES. AFFILIATED RETAILERS, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,000. PUBLISHED JULY 9, 1946. Class 23.

424,515. PICK-UP RAKES. NEW STANDARD CORPORATION, Mount Joy, Pa.
Filed January 19, 1946. Serial No. 495,089. PUBLISHED JULY 9, 1946. Class 23.

424,516. ELECTRIC SCISSORS. ATLAS INSTRUMENT COMPANY, Haddonfield, N. J.
Filed January 22, 1946. Serial No. 495,161. PUBLISHED JULY 9, 1946. Class 21.

424,517. RADIO HOME RECEIVING SETS. MOLDED INSULATION COMPANY, Philadelphia, Pa.
Filed January 24, 1946. Serial No. 495,322. PUBLISHED JULY 9, 1946. Class 21.

424,518. STATIC ELIMINATORS. UNITED STATES RADIUM CORPORATION, New York, N. Y.
Filed January 24, 1946. Serial No. 495,347. PUBLISHED JULY 9, 1946. Class 21.

424,519. MASTER CYLINDERS FOR HYDRAULIC BRAKES AND PARTS THEREOF. THE NEW YORK AIR BRAKE COMPANY, Watertown, N. Y.
Filed January 28, 1946. Serial No. 495,555. PUBLISHED JULY 9, 1946. Class 23.

424,520. CANNED DOG FOOD. COASTAL CANNING CORPORATION, Philadelphia, Pa.
Filed January 29, 1946. Serial No. 495,575. PUBLISHED JULY 16, 1946. Class 46.

424,521. CANNED DOG FOOD. COASTAL CANNING CORPORATION, Philadelphia, Pa.
Filed January 29, 1946. Serial No. 495,576. PUBLISHED JULY 16, 1946. Class 46.

424,522. CANNED DOG FOOD. COASTAL CANNING CORPORATION, Philadelphia, Pa.
Filed January 29, 1946. Serial No. 495,577. PUBLISHED JULY 16, 1946. Class 46.

424,523. CANNED DOG FOOD. COASTAL CANNING CORPORATION, Philadelphia, Pa.
Filed January 29, 1946. Serial No. 495,578. PUBLISHED JULY 16, 1946. Class 46.

424,524. CANNED DOG FOOD. COASTAL CANNING CORPORATION, Philadelphia, Pa.
Filed January 29, 1946. Serial No. 495,579. PUBLISHED JULY 16, 1946. Class 46.

424,525. CANNED DOG FOOD. COASTAL CANNING CORPORATION, Philadelphia, Pa.
Filed January 29, 1946. Serial No. 495,581. PUBLISHED JULY 16, 1946. Class 46.

424,526. CANNED DOG FOOD. COASTAL CANNING CORPORATION, Philadelphia, Pa.
Filed January 29, 1946. Serial No. 495,582. PUBLISHED JULY 16, 1946. Class 46.

424,527. CANNED DOG FOOD. COASTAL CANNING CORPORATION, Philadelphia, Pa.
Filed January 29, 1946. Serial No. 495,584. PUBLISHED JULY 16, 1946. Class 46.

424,528. FRESH VEGETABLES. SANTA MARIA DISTRIBUTORS, Santa Maria, Calif.
Filed January 30, 1946. Serial No. 495,696. PUBLISHED JULY 16, 1946. Class 46.

424,529. FRESH VEGETABLES. SANTA MARIA DISTRIBUTORS, Santa Maria, Calif.
Filed January 30, 1946. Serial No. 495,697. PUBLISHED JULY 16, 1946. Class 46.

424,530. EXTENSIBLE ELECTRICAL CORDS. KELLOGG SWITCHBOARD AND SUPPLY COMPANY, Chicago, Ill.
Filed January 31, 1946. Serial No. 495,745. PUBLISHED JULY 16, 1946. Class 21.

424,531. EXTENSIBLE ELECTRICAL CORDS. KELLOGG SWITCHBOARD AND SUPPLY COMPANY, Chicago, Ill.
Filed January 31, 1946. Serial No. 495,746. PUBLISHED JULY 16, 1946. Class 21.

424,532. OLIVES, OLIVE OIL, AND TOMATO SAUCE. FRANCESCO BUTTITTA, doing business as Buttitta Olive Oil Co., Woodlake, Calif.
Filed February 2, 1946. Serial No. 495,860. PUBLISHED JULY 16, 1946. Class 46.

424,533. MINERAL FEED FOR LIVESTOCK, POULTRY, AND FUR BEARING ANIMALS. OTTO W. MEYER, doing business as Farmers Friend Mineral Company, Napoleon, Ohio.
Filed February 8, 1946. Serial No. 496,255. PUBLISHED JULY 16, 1946. Class 46.

424,534. TABLE SYRUP. NORTHWEST CHEMURGY CO-OPERATIVE, Wenatchee, Wash.
Filed March 5, 1946. Serial No. 497,677. PUBLISHED JULY 16, 1946. Class 46.

424,535. PAPER CUPS. DIXIE CUP COMPANY, Chicago, Ill.
Filed March 7, 1946. Serial No. 497,785. PUBLISHED JULY 16, 1946. Class 2.

424,536. TOY PLASTIC COIN BANKS. SIDNEY MEYERSON, doing business as United Plastic Mfg. Co., New York, N. Y.
Filed March 11, 1946. Serial No. 498,017. PUBLISHED JULY 16, 1946. Class 22.

424,537. VAGINAL DIAPHRAGM INSERTERS. LARKE LABORATORIES, Denver, Colo.
Filed March 12, 1946. Serial No. 498,066. PUBLISHED JULY 16, 1946. Class 44.

424,538. POCKETBOOKS, BRIEF CASES, PORTFOLIOS, SUITCASES, AND BILLFOLDS. D. RODITI & SONS, INC., New York, N. Y.
Filed March 12, 1946. Serial No. 498,081. PUBLISHED JULY 16, 1946. Class 3.

424,539. DESSERT PUDDING POWDERS. WALLACE, BURTON & DAVIS CO., INC., New York, N. Y.
Filed March 12, 1946. Serial No. 498,098. PUBLISHED JULY 16, 1946. Class 46.

424,540. CANNED VEGETABLES—NAMELY, WHOLE KERNEL GOLDEN CORN, CREAM STYLE GOLDEN CORN, EARLY JUNE PEAS, AND SUGAR PEAS. LANGE CANNING CORPORATION, Eau Claire, Wis.
Filed March 13, 1946. Serial No. 498,153. PUBLISHED JULY 16, 1946. Class 46.

424,541. COFFEE. J. A. FOLGER & COMPANY, Kansas City, Mo.
Filed March 18, 1946. Serial No. 498,412. PUBLISHED JULY 16, 1946. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

424,542. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ANCHOR HOCKING GLASS CORPORATION, Lancaster, Ohio. Filed July 20, 1943. Serial No. 462,174.

PLASTICAP

FOR CLOSURE CAPS.
Claims use since June 10, 1943.

424,543. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARKETS, INC., Oakland, Calif. Filed Jan. 29, 1944. Serial No. 466,999.

Lady Lee

MARKETS, INC.

FOR CANNED VEGETABLE JUICES FOR FOOD PURPOSES, SALAD DRESSING AND MAYONNAISE DRESSING.
Claims use since August 1939.

424,544. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUGUST WALTER GUSTAFSON, doing business as Gustafson Manufacturing Co., Corpus Christi, Tex. Filed Mar. 22, 1944. Serial No. 468,513.

CHOKE-PROOF

FOR DUSTING MACHINES USED IN APPLYING INSECTICIDAL POWDERS TO VEGETATION.
Claims use since Feb. 16, 1942.

424,545. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass. Filed Mar. 29, 1944. Serial No. 468,791.

TRU-FORM

FOR TAPS AND SMALL CUTTING TOOLS.
Claims use since February 1937.

424,546. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) DOEHLER DIE CASTING CO., New York, N. Y., assignor to Doehler-Jarvis Corporation, New York, N. Y., a corporation of Michigan. Filed May 6, 1944. Serial No. 469,988.

KOM PRES KAST

FOR METAL CASTINGS MADE OF ALL NON-FERROUS METALS.
Claims use since Dec. 10, 1943.

424,547. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ILLUSTRATED SOAP, INC., New York, N. Y., assignor to Illustrated Soap Co., New York, N. Y., a copartnership comprising Erich Schwartz and Alfred Weil. Filed Nov. 29, 1944. Serial No. 477,015.

KIDDIE SOAP

FOR SOAP.
Claims use since May 1938.

424,548. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONCORD SOYA CORPORATION, Concord, Mich. Filed Feb. 14, 1945. Serial No. 479,780.

CONCORD PRODUCTS

FOR STOCK FEED CONSISTING ESSENTIALLY OF SOYBEAN MEAL.
Claims use since Jan. 2, 1945.

424,549. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OSCAR W. HEDSTROM CORPORATION, Chicago, Ill. Filed Feb. 28, 1945. Serial No. 480,320.

FETHERLITE

FOR DRILLING JIGS.
Claims use since Feb. 19, 1944.

424,550. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. W. OSTROM, doing business as Ostrom Mushroom Co., Seattle, Wash. Filed Mar. 20, 1945. Serial No. 481,123.

Ostrom's

FOR MUSHROOMS, BOTH PREPARED AND FRESH, MUSHROOM SOUP, MUSHROOMS IN CREAM SAUCE, SPAGHETTI WITH MUSHROOM SAUCE, MUSHROOM MEAT SAUCE, AND MUSHROOM SAUCE (ITALIAN STYLE).
Claims use since Jan. 1, 1928.

424,551. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BUTLER OPTICAL COMPANY, Milwaukee, Wis. Filed Apr. 23, 1945. Serial No. 482,464.

BUTLER OPTICAL CO. HARDLENZ

FOR EYEGLASS LENSES AND GOGGLE LENSES OR GLASSES.
Claims use since Apr. 9, 1945.

424,552. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, now by change of name Hunt Foods, Inc., San Francisco, Calif. Filed Apr. 25, 1945. Serial No. 482,576.

Hunt's SUPERIOR QUALITY

FOR CANNED FRUITS, CANNED FRUIT JUICES FOR FOOD PURPOSES, CANNED FISH, FRUIT BUTTERS, VINEGAR, COFFEE, TEA, CANNED BERRIES, CANNED VEGETABLE JUICES FOR FOOD PURPOSES, CANNED SHELL FISH, FRUIT PRESERVES, OLIVES, TABLE SYRUP, CANNED VEGETABLES, CANNED SOUPS, CANNED TOMATO SAUCE, PICKLES, SALAD DRESSING, PREPARED MUSTARD, PEANUT BUTTER, DRIED FRUITS, SPAGHETTI, PANCAKE AND WAFFLE FLOUR, BREAKFAST CEREALS, BREAD, DESSERT PREPARATIONS, SPICES, CANNED BABY FOOD, SALTED NUTS, OLIVE OIL, BAKING POWDER, POPCORN IN ITS NATURAL STATE, DRIED VEGETABLES, MACARONI AND CHEESE, CANNED PORK AND BEANS WITH TOMATO SAUCE, EVAPORATED MILK, GRATED CHEESE, HONEY, FLAVORING EXTRACTS FOR FOODS, CANDY, FROZEN BERRIES, FRUITS, VEGETABLES, AND FISH.
Claims use since 1908 for canned fruits, canned vegetables, canned fish and fruit preserves; since Nov. 8, 1944, for canned fruit juices for food purposes, fruit butters, vinegar, coffee, tea, canned berries, canned vegetable juices for food purposes, canned shell fish, olives, table syrup, canned soups, canned tomato sauce, pickles, salad dressing, prepared mustard and peanut butter; since Mar. 31, 1945, for dried fruits, spaghetti, pancake and waffle flour, breakfast cereals, bread, dessert preparations, spices, canned baby food, salted nuts, olive oil, baking powder, popcorn, dried vegetables, macaroni and cheese, canned pork and beans with tomato sauce, evaporated milk, grated cheese, honey, flavoring extracts for foods, candy, frozen berries, fruits, vegetables and fish.

424,553. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DANIEL J. NASH, doing business as Nash Manufacturing Co., Jersey City, N. J. Filed May 29, 1945. Serial No. 483,911.

Lord Madison

FOR BILLFOLDS, PURSES, HANDBAGS, BRIEF CASES, TOILET CASES, CARD CASES, CATALOGUE CASES, KEY CASES, POCKETBOOKS, WALLETS, LUGGAGE STRAPS, AND PORTFOLIO STRAPS.
Claims use since May 18, 1945.

424,554. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INDUSTRIAL ABRASIVES, INC., Chicago, Ill. Filed June 16, 1945. Serial No. 484,632.

SUPER-SET

FOR DIAMOND CARRYING TOOLS FOR DRESSING ABRASIVE WHEELS.
Claims use since June 4, 1945.

424,555. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COSMEX CORP., New York, N. Y. Filed June 22, 1945. Serial No. 484,882.

TEEN KLEEN

FOR LIQUID PREPARATION FOR USE AS A SUBSTITUTE FOR SOAP FOR CLEANING THE SKIN.
Claims use since May 31, 1945.

424,556. (CLASS 2. RECEPTACLES.) LINDLEY BOX & PAPER COMPANY, Marion, Ind. Filed July 2, 1945. Serial No. 485,350.

"Basketts"

FOR CARDBOARD CONTAINERS—NAMELY, OPEN TYPE BASKETS.
Claims use since Apr. 20, 1945.

424,557. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROASTED SHELL EGGS, INC., Boston, Mass. Filed July 20, 1945. Serial No. 486,066.

ROASTEG

FOR PRESERVED EGGS—NAMELY, EGGS ROASTED IN THE SHELL.
Claims use since July 13, 1945.

424,558. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed July 25, 1945. Serial No. 486,239.

Carpenter
Glass Sealing "426"

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.
Claims use since July 10, 1945.

424,559. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) REX CUTLERY CORPORATION, Irvington, N. J. Filed July 28, 1945. Serial No. 486,437.

TUDOR

FOR HOUSEHOLD SCISSORS, SEWING SCISSORS, EMBROIDERY SCISSORS, TWEEZERS FOR ALL PURPOSES EXCEPT MANICURE, DENTAL AND SURGICAL USE.
Claims use since July 13, 1945.

424,560. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LINK-BELT COMPANY, Chicago, Ill. Filed July 31, 1945. Serial No. 486,536.

Electrofluid

FOR COMBINED ELECTRIC MOTOR AND HYDRAULIC COUPLING DRIVES FOR MECHANICAL DEVICES.
Claims use since June 21, 1945.

424,561. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEWIS H. MOORE, doing business as L. H. Moore Canning Co., McAllen, Tex. Filed Aug. 6, 1945. Serial No. 486,800.

MOORE'S

FOR CANNED FRUITS AND VEGETABLES—NAMELY, GRAPEFRUIT JUICE, SPINACH, TOMATOES, GREEN BEANS, MUSTARD GREENS, AND TURNIP GREENS.
Claims use since December 1938.

424,562. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BUFFALO FIRE APPLIANCE CORPORATION, Buffalo, N. Y. Filed Aug. 18, 1945. Serial No. 487,238.

BUFFALO
better-built

FOR PORTABLE HAND FIRE EXTINGUISHERS.
Claims use since July 1940.

424,563. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FLOYD W. EVANS, doing business as Karbrite Manufacturing Company, Flint, Mich. Filed Sept. 8, 1945. Serial No. 488,150.



The color linings on the drawing represent orange and blue.
FOR CLEANING AND POLISHING COMPOUND FOR AUTOMOBILE AND FINISHED METALLIC SURFACES.
Claims use since Nov. 29, 1935.

424,564. (CLASS 32. FURNITURE AND UPHOLSTERY.) SYDNEY M. LEACH, doing business as Leach & Company, Toledo, Ohio. Filed Sept. 21, 1945. Serial No. 488,843.

"Junior Boy"

FOR JUVENILE AND NURSERY FURNITURE—NAMELY, ROCKERS, CHAIRS, TABLES, HIGH CHAIRS, CRIB MATTRESSES, WARDROBES, CHESTS, AND BEDS.
Claims use since June 5, 1945.

424,565. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SPORTS PRODUCTS CORPORATION, New York, N. Y., assignor to Clipon Sports Corporation, New York, N. Y. Filed Sept. 26, 1945. Serial No. 489,019.

Clipon

FOR SUPPORTS FOR GOLF BAGS COMPRISING A PAIR OF LEGS AND MEANS FOR ATTACHING THE LEGS TO THE UPPER PORTION OF A GOLF BAG, THE LEGS BEING HINGED FOR ANGULAR EXTENSION AWAY FROM THE BAG, WHEREBY THE BAG CAN BE SUPPORTED AT A SUITABLE ANGLE FOR EASY REMOVAL AND REPLACEMENT OF GOLF CLUBS, AND BRACES IN THE FORM OF AN INSERTABLE SHAPE-RETAINING FRAME FOR FLEXIBLE BAGS SUCH AS THE SUNDAY GOLF BAG, THE FRAME COMPRISING A CENTRAL PART ABOUT THE LENGTH OF THE BAG WITH FLEXIBLE STEEL MEMBERS AT THE ENDS THEREOF, EACH MEMBER BEING ADAPTED TO BE FLEXED INTO A SHAPE FOR INSERTION INTO THE BAG, AND WHICH WHEN RELEASED URGES THE BAG MATERIAL OUTWARDLY INTO A TAUT SHAPE RETAINING CONDITION.
Claims use since August 1940.

424,566. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ROGERS IMPORTS INC., New York, N. Y. Filed Oct. 9, 1945. Serial No. 489,683.

RogerSlide

FOR BILLFOLDS.
Claims use since Aug. 9, 1945.

424,567. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ROGERS IMPORTS INC., New York, N. Y. Filed Oct. 9, 1945. Serial No. 489,691.

Rogers
RARITY

FOR WALLETS.
Claims use since Aug. 9, 1945.

424,568. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN WORLEY JEWEL COMPANY, Waltham, Mass. Filed Oct. 9, 1945. Serial No. 489,701.

~~Worleyguide~~

FOR THREAD GUIDES MADE OF SAPPHIRE, RUBY, CORUNDUM, AND OTHER HARD JEWELS.
Claims use since Aug. 2, 1945.

424,569. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR'S, Chicago, Ill. Filed Oct. 30, 1945. Serial No. 490,734.

Arthur's

Applicant is the owner of Reg. No. 268,804.
FOR CONFECTIONERY—NAMELY, CHOCOLATE CREAMS, CHOCOLATE-COVERED HARD CENTERS, CHOCOLATE-COVERED NUTS, TOFFEE, CHOCOLATE-COVERED NUT AND CREAM CENTERS, PECAN ROLL, CREAM CARAMELS, CHOCOLATE-COVERED MOLASSES CANDY, BON-BONS, CHOCOLATE-COVERED NUT AND NOUGAT CENTERS, MARSHMALLOWS, CHOCOLATE-COVERED MARSHMALLOWS, AND CHOCOLATE-COVERED PRESERVED FRUITS.
Claims use since June 1, 1926.

424,570. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) G. M. GIANNINI & CO. INC., Pasadena, Calif. Filed Nov. 5, 1945. Serial No. 491,087.

MICRO
TORQUE

FOR POTENTIOMETERS.
Claims use since June 11, 1945.

424,571. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FROST-COOKED FOODS, INC., Boston, Mass. Filed Dec. 6, 1945. Serial No. 492,709.

HOT-FROST

FOR COOKED FOOD PRODUCTS, VIZ. CHICKEN A LA KING, ROAST TURKEY, HALIBUT A LA KING, LOBSTER NEWBURG, AND BAKED APPLE PUDDING.
Claims use since Apr. 11, 1941.

424,572. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED STATES PRODUCTS CORPORATION, LTD., San Jose, Calif. Filed Dec. 10, 1945. Serial No. 493,031.

TASTE
SEALED

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since Aug. 1, 1945.

424,573. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) ZAPUN CERAMICS, INC., New York, N. Y. Filed Jan. 10, 1946. Serial No. 494,587.

ZAPUN CHINA

FOR ARTICLES OF CHINAWARE—NAMELY, URNS, VASES, FRUIT AND SALAD BOWLS, POWDER JARS, COFFEE AND TEA POTS, SUGAR, CREAM, SALT AND PEPPER CONTAINERS, DISHES, PLATES, CUPS, AND SAUCERS.
Claims use since Jan. 1, 1944.

424,574. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) STATLER MERCHANDISE COMPANY, Chicago, Ill., assignor to Statler Mfg. Co., Chicago, Ill., a corporation of Illinois. Filed Feb. 13, 1946. Serial No. 496,525.

STATLER MERCHANDISE COMPANY

Applicant is the owner of Reg. No. 422,389.
FOR SYNTHETIC PLASTICS IN GRANULAR, SHEET, TUBE, AND ROD FORM FOR VARIOUS PURPOSES IN THE INDUSTRIAL ARTS.
Claims use since Aug. 10, 1944.

424,575. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INSLEY MANUFACTURING CORPORATION, Indianapolis, Ind. Filed Feb. 14, 1946. Serial No. 496,556.

INSLEY
Lorry

FOR LIFTING CRANES MOUNTED ON RUBBER TIRED AUTOMOBILE TRUCK CHASSIS.
Claims use since March 1945.

424,576. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SOCIETY FOR VISUAL EDUCATION, INC., Chicago, Ill. Filed Feb. 21, 1946. Serial No. 497,049.

Glowhite

FOR PROJECTION SCREENS.
Claims use since February 1938.

424,577. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FEDERAL AUTO PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 8, 1946. Serial No. 497,852.

LIFTRITE

FOR HYDRAULIC AUTOMOTIVE JACKS.
Claims use since Feb. 10, 1945.

424,578. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEAUDRY BROTHERS CANDY CO., Los Angeles, Calif. Filed Apr. 1, 1946. Serial No. 499,876.

Beaudry's

FOR CANDY.
Claims use since 1920.

424,579. (CLASS 39. CLOTHING.) STOUT CONTROL FOUNDATIONS INC., New York, N. Y. Filed Apr. 18, 1946. Serial No. 500,494.

SELF-DIVIDER

FOR LADIES' CORSELETS AND BRASSIÈRES.
Claims use since March 1945.

424,580. (CLASS 39. CLOTHING.) BARON-ABRAMSON, INC., Boston, Mass. Filed Apr. 30, 1946. Serial No. 501,156.

barry ashley

FOR WOMEN'S AND MISSES' SPECTATOR SPORTSWEAR AND WEARING APPAREL—NAMELY, DRESSES, SLACKS, SUITS, JACKETS, TOPPERS, JERKINS, SHORTS, SKIRTS, AND BLOUSES.
Claims use since January 1941.

424,581. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PARK LANE PLASTICS CO., New York, N. Y. Filed May 7, 1946. Serial No. 501,590.

EVER CLEAN

FOR LADIES', MISSES', AND CHILDREN'S HAND BAGS.
Claims use since May 1, 1945.

424,582. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BANCROFT RACKET COMPANY, Pawtucket, R. I. Filed June 1, 1946. Serial No. 503,152.

Forest Hills

FOR BADMINTON AND TENNIS RACKETS.
Claims use since 1923.

424,583. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BECTON, DICKINSON & COMPANY, East Rutherford, N. J. Filed June 13, 1946. Serial No. 503,793.

HUBER

FOR HYPODERMIC NEEDLES.
Claims use since Jan. 25, 1944.

TRADE-MARK REGISTRATIONS RENEWED

51,287. **"RED CLOVER" ETC. AND DESIGN.** BUTTER. Registered Apr. 10, 1906. THE E. O. WHITFORD COMPANY. Re-renewed Apr. 10, 1946, to National City Dairy Company, Washington, D. C., a corporation of Delaware. Class 46.

53,258. **CROWN.** WAX. Registered May 29, 1906. THE S. S. WHITE DENTAL MFG. CO., Philadelphia, Pa., Chicago, Ill., New York, Brooklyn and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia. Re-renewed May 29, 1946, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 44.

53,359. **ORALINE.** TOOTH-PASTE. Registered May 29, 1906. THE S. S. WHITE DENTAL MFG. CO., Philadelphia, Pa., Chicago, Ill., New York, Brooklyn and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia. Re-renewed May 29, 1946, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 6.

53,740. **BANNER.** WOVEN-WIRE FENCING. Registered June 12, 1906. AMERICAN STEEL AND WIRE COMPANY, Chicago, Ill. Re-renewed June 12, 1946, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey. Class 13.

53,902. **REPRESENTATION OF A RUNNING FOX.** UMBRELLA-FRAMES OF METAL. Registered June 12, 1906. SAMUEL FOX & CO., LIMITED, Stocksbridge Works, near Sheffield, England. Re-renewed June 12, 1946, to Samuel Fox & Company Limited, Sheffield, England, a United Kingdom Corporation. Class 41.

54,618. **THYM-ALKA.** ALKALINE ANTISEPTIC AND DEODORANT MOUTH AND TOOTH WASH. Registered June 26, 1906. H. K. MULFORD COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed June 26, 1946. Class 6.

55,135. **"C" AND DESIGN.** RAILWAY-CAR CASTINGS. Registered Aug. 7, 1906. THE NATIONAL MALLEABLE CASTINGS COMPANY. Re-renewed Aug. 7, 1946, to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio. Class 14.

55,607. **"FREYS' VERMIFUGE" ETC.** VERMIFUGE. Registered Aug. 21, 1906, GILPIN, LANODON & COMPANY, INCORPORATED, Baltimore, Md. Re-renewed Aug. 21, 1946, to Boyle-Midway Inc., New York, N. Y., a corporation of Delaware. Class 6.

55,704. **PACIFIC MILLS.** DYED AND PRINTED ALL WOOL AND COTTON WARP PIECE GOODS AND DYED AND PRINTED COTTON PIECE GOODS. Registered Aug. 21, 1906. PACIFIC MILLS, Lawrence, Mass. Re-renewed Aug. 21, 1946, to Pacific Mills, New York, N. Y., a corporation of Massachusetts. Class 42.

56,506. **STAR.** HEEL-PLATES FOR BOOTS AND SHOES. Registered Oct. 2, 1906. LOUIS SACKS. Renewed Oct. 2, 1946, to Sacks-Barlow Foundries, Inc., Newark, N. J., a corporation of New Jersey. Class 13.

56,587. **THERMALITE.** MIXED PAINTS. Registered Oct. 9, 1906. GEORGE C. HASCALL. Re-renewed Oct. 9, 1946, to The Hascall Paint Company, Cleveland, Ohio, a corporation of Ohio. Class 16.

56,596. **AERMOTOR.** WINDMILLS. Registered Oct. 9, 1906. AERMOTOR COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Oct. 9, 1946. Class 23.

56,690. **ALBOLENE.** PRODUCTS OF PETROLEUM OR PREPARATIONS CONTAINING SUCH PRODUCTS FOR USE IN THE TREATMENT OF CERTAIN AILMENTS AND FOR OTHER PURPOSES. Registered Oct. 16, 1906. MCKESSON & ROBBINS. Re-renewed Oct. 16, 1946, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Class 6.

56,737. **SPALDING.** CERTAIN NAMED IMPLEMENTS, APPARATUS, AND ARTICLES USED IN ATHLETIC GAMES AND SPORTS. Registered Oct. 16, 1906. A. G. SPALDING & BROS., New York, N. Y. Re-renewed Oct. 16, 1946, to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware. Class 22.

56,738. **"SPALDING" AND DESIGN.** CERTAIN NAMED IMPLEMENTS, APPARATUS, AND ARTICLES USED IN ATHLETIC GAMES AND SPORTS. Registered Oct. 16, 1906. A. G. SPALDING & BROS., New York, N. Y. Re-renewed Oct. 16, 1946, to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware. Class 22.

56,811. **REPRESENTATION OF A MAN VIEWING HIS FACE REFLECTED IN A PAN.** CLEANSING OR SCOURING COMPOUND. Registered Oct. 23, 1906. ENOCH MORGAN'S SONS COMPANY, New York, N. Y., a corporation of New York. Re-renewed Oct. 23, 1946. Class 4.

56,831. **REPRESENTATION OF EIFFEL TOWER IN CIRCLE.** CHEESE. Registered Oct. 23, 1906. POPPER, GRAY & CO. Re-renewed Oct. 23, 1946, to Popper, Gray & Co. Inc., New York, N. Y., a corporation of New York. Class 46.

56,929. **SQUIRE'S.** LARD, SAUSAGES, BACON, RIBS, LOINS, SHOULDERS, AND HAMS. Registered Oct. 23, 1906. JOHN P. SQUIRE & COMPANY, Boston and Cambridge, Mass. Re-renewed Oct. 23, 1946, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 46.

56,933. **SURE GRIP.** HAY-CARRIERS. Registered Oct. 23, 1906. F. E. MYERS & BROTHER. Re-renewed Oct. 23, 1946, to The F. E. Myers & Bro. Co., Ashland, Ohio, a corporation of Ohio. Class 23.

57,008. **THE FURNITURE WORLD.** WEEKLY JOURNAL. Registered Oct. 30, 1906. TOWSE PUBLISHING CO., New York, N. Y., a corporation of New York. Re-renewed Oct. 30, 1946. Class 38.

57,135. **DIAMOND.** CANNED FRUITS AND VEGETABLES. Registered Nov. 6, 1906. THE BOOTH PACKING COMPANY. Re-renewed Nov. 6, 1946, to Gibbs & Company, Incorporated, Baltimore, Md., a corporation of Maryland. Class 46.

57,136. **"DIAMOND BRAND" AND DESIGN.** CANNED FRUITS AND VEGETABLES. Registered Nov. 6, 1906. BOOTH PACKING COMPANY. Re-renewed Nov. 6, 1946, to Gibbs & Company, Incorporated, Baltimore, Md., a corporation of Maryland. Class 46.

57,434. **AMERICAN.** ROPE, CORD, LINES, AND TWINE. Registered Nov. 13, 1906. THE AMERICAN MANUFACTURING COMPANY, New York, N. Y. Re-renewed Nov. 13, 1946, to American Manufacturing Company, Brooklyn, N. Y., a corporation of Massachusetts. Class 7.

57,604. **REPRESENTATION OF A QUAKER MAN.** HARD AND SOFT CANDY. Registered Nov. 13, 1906. QUAKER CITY CHOCOLATE AND CONFECTIONERY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Nov. 13, 1946. Class 46.

57,605. **"GOLD SEAL" AND DRAWING.** HARD AND SOFT CANDY. Registered Nov. 13, 1906. QUAKER CITY CHOCOLATE AND CONFECTIONERY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Nov. 13, 1946. Class 46.

57,849. **"ZENITH" AND DESIGN.** BICARBONATE OF SODA. Registered Nov. 27, 1906. CHURCH & DWIGHT COMPANY. Re-renewed Nov. 27, 1946, to Church & Dwight Co. Inc., New York, N. Y., a corporation of Delaware. Class 6.

167,930. **PURITOL.** MEAT PRESERVATIVE, FLAVORING, AND COLORING COMPOUND IN LIQUID FORM. Registered May 8, 1923. E. L. KARNES, doing business as The Puritol Company. Renewed May 8, 1943, to The E. H. Wright Company, Ltd., Kansas City, Mo., a copartnership. Class 6.

198,264. **JEWEL.** CANDY. Registered May 12, 1925. CANDY BROS. MFG. CO. Renewed May 12, 1945, to Candy Brothers Manufacturing Company, Incorporated, St. Louis, Mo., a corporation of Missouri. Class 46.

203,506. **DIXOL.** SCALP AND HAIR RECTIFIER FOR TREATING DANDRUFF, ECZEMA, AND TETTER, AND CLEANING THE PORES OF THE SCALP; ALSO SHAMPOO EMULSION. Registered Sept. 22, 1925. FRED E. HINKLE, doing business as The Dixie Laboratories. Renewed Sept. 22, 1945, to Dixie Laboratories, Inc., Atlanta, Ga., a corporation of Georgia. Class 6.

207,700. **HONEYCUP.** ICE CREAM. Registered Jan. 5, 1926. HONEYCUP ICE CREAM CO., Middlesboro, Ky. Renewed Jan. 5, 1946, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 46.

208,425. **"QUEEN-O" AND DRAWING.** NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. Registered Feb. 2, 1926. BROADWAY BEVERAGE CORPORATION. Renewed Feb. 2, 1946, to Sol Lenzner Corporation, Buffalo, N. Y., a corporation of New York. Class 45.

208,704. **"HOPE CHEST" ETC. AND DRAWING.** LINEN PIECE GOODS. Registered Feb. 9, 1926. ABOUCHAR & CO. Renewed Feb. 9, 1946, to Abouchar & Co. Inc., New York, N. Y., a corporation of New York. Class 42.

209,742. **BEST IN THE WORLD.** WHEAT FLOUR. Registered Mar. 2, 1926. EGERTON BROTHERS. Renewed Mar. 2, 1946, to Consolidated Wholesale Grocery Company, Baltimore, Md., a corporation of Maryland. Class 46.

210,358. **POWELL NO. I.** TABLE AND COOKING SIRUPS. Registered Mar. 16, 1926. EGERTON BROTHERS. Renewed Mar. 16, 1946, to Consolidated Wholesale Grocery Co., Baltimore, Md., a corporation of Maryland. Class 46.

211,729. **PUG'S.** CANDY. Registered Apr. 20, 1926. CANDY PRODUCTS COMPANY. Renewed Apr. 20, 1946, to Candy Products Company, Portland, Oreg., a corporation of Oregon. Class 46.

212,267. **REPRESENTATION OF A DRAW ELEMENT OF THE GOODS COLORED RED.** SERVIETTES. Registered Apr. 27, 1926. THOMAS PRODUCTS, INC. Renewed Apr. 27, 1946, to Irving U. Townsend, Jr., Trustee, Boston, Mass. Class 44.

212,709. **MUSICAIRE.** RADIO RECEIVING SETS, LOUD SPEAKERS, AND REPRODUCING UNITS, TRANSFORMERS, TUNING UNITS, PLUGS, AERIAL EQUIPMENT, VARIABLE CONDENSERS, JACKS, DIALS, AND SOCKETS. Registered May 11, 1926. ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Renewed May 11, 1946, to Sentinel Radio Corporation, Evanston, Ill., a corporation of Illinois. Class 21.

212,732. **SEALEDGE.** TYPEWRITER RIBBONS. Registered May 11, 1926. THURSTON CUTTING CORPORATION. Renewed May 11, 1946, to W. Harris Thurston, Inc., New York, N. Y., a corporation of New York. Class 11.

212,757. **CUB.** LAXATIVE PILLS, ARSENATED IRON TABLETS, INDIGESTION TREATMENT, COLD AND NEURALGIA CAPSULES, WORM LOZENGES, GOUT AND RHEUMATIC TABLETS, CROUP EMULSION, MILK OF MAGNESIA, RHEUMATIC COMPOUND. Registered May 11, 1926. CLYDE KREIDER BAER, Philadelphia, Pa. Renewed May 11, 1946. Class 6.

213,076. **"LA-MONT" AND DESIGN.** APPARATUS FOR THE EXCHANGE OF HEAT. Registered May 18, 1926. LA MONT CORPORATION, New York, N. Y., a corporation of New York. Renewed May 18, 1946. Class 34.

213,319. **"TRAVELO" SWIM SUIT.** BATHING SUITS FOR MEN, WOMEN, BOYS, MISSES, AND CHILDREN, BOTH ONE PIECE AND TWO PIECE; JUVENILE BATHING SUITS, BATHING SHIRTS, TRUNKS, SUPPORT SHIRTS, AND BATHING TROUSERS MADE OF FLANNEL. Registered May 25, 1926. PECKHAM-FOREMAN INC. Renewed May 25, 1946, to Edwin H. Foreman, New York, N. Y. Class 39.

213,761. **THYROCALX.** COMPRESSED TABLETS CONTAINING CALCIUM LACTATE WITH DESICCATED PARATHYROID GLANDS AND/OR DESICCATED THYROID GLANDS. Registered June 1, 1926. H. K. MULFORD COMPANY. Renewed June 1, 1946, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. Class 6.

213,949. **"AMERICAN LEADER" AND DESIGN.** MALT SIRUP FOR FOOD PURPOSES. Registered June 8, 1926. BAY CITY MILLING COMPANY, Bay City, Mich., a firm. Renewed June 8, 1946. Class 46.

213,963. **"TRAVELO".** KNIT ARTICLES OF WEARING APPAREL—NAMELY, KNIT JACKETS, SWEATERS, COATS FOR MEN, WOMEN, AND CHILDREN; SHIRTS INCLUDING DRESS, NEGLIGEE, WORK AND UNDERSHIRTS, THE SAID UNDERSHIRTS BEING MADE OF BOTH KNITTED AND TEXTILE OR WOVEN FABRICS; AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered June 8, 1926. PECKHAM-FOREMAN INC. Renewed June 8, 1946, to Edwin H. Foreman, New York, N. Y. Class 39.

214,199. **SPORTSTER.** SPORT SHIRTS. Registered June 15, 1926. THE ENRO SHIRT COMPANY, INC., Louisville, Ky., a corporation of Kentucky. Renewed June 15, 1946. Class 39.

214,332. **EL-BE / L-B**, CANNED FRUITS—NAMELY, SLICED PINEAPPLE, PEACHES, AND FRUIT SALAD; CANNED VEGETABLES — NAMELY, TOMATOES, PEAS, AND CORN; CANNED PRESERVES—NAMELY, STRAWBERRY, PLUM, APRICOT, AND PEACH; OLIVES, VINEGAR, PREPARED MUSTARD, TOMATO CATCHUP, AND SPICES. Registered June 22, 1926. LUCIDO BROTHERS GROCERY CO., Granite City, Ill. Renewed June 22, 1946, to Lucido Bros. Grocery Co., St. Louis, Mo., a corporation of Illinois. Class 46.

214,341. **"CAVALIER" AND DESIGN.** BICYCLES. Registered June 22, 1926. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa., a corporation of New York. Renewed June 22, 1946. Class 19.

214,858. **DEBUTANTE.** LADIES' HOSIERY. Registered July 6, 1926. ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa., and New York, N. Y. Renewed July 6, 1946, to Artcraft Hosiery Company, Philadelphia, Pa., a corporation of Delaware. Class 39.

214,955. **REPRESENTATION OF A CROSS.** METAL STAMPINGS FROM ALL METALS AND FOR ALL PURPOSES; SHEET METAL, INCLUDING SHEET BRASS, SHEET COPPER, SHEET ZINC, SHEET NICKEL, SHEET SILVER; WIRE, INCLUDING COPPER WIRE, AND BRASS WIRE; COILS OR ROLLS OF COPPER, BRASS, ZINC, OR OTHER BASE METAL FORMED BY COILING OR ROLLING SHEETS OR STRIPS OF THE METAL; AND SOLID METAL RODS SOLD FROM STOCK FOR GENERAL PURPOSES. Registered July 6, 1926. EDWIN B. STIMPSON COMPANY. Renewed July 6, 1946, to Edwin B. Stimpson Company, Inc., Brooklyn, N. Y., a corporation of New York. Class 14.

215,186. **"PURITAS" ETC. AND DESIGN.** BOTTLED WATER. Registered July 13, 1926. LOS ANGELES ICE & COLD STORAGE COMPANY, Los Angeles, Calif. Renewed July 13, 1946, to Arrowhead and Puritas Waters Inc., San Francisco, Calif., a corporation of California. Class 45.

215,284. **"PURITAS".** DISTILLED WATER. Registered July 13, 1926. LOS ANGELES ICE & COLD STORAGE CO., Los Angeles, Calif. Renewed July 13, 1946, to Arrowhead and Puritas Waters Inc., San Francisco, Calif., a corporation of California. Class 45.

215,299. **CHUMLEY.** WEARING APPAREL—NAMELY, DRESSES, MEN'S, WOMEN'S, AND CHILDREN'S COATS, MEN'S, WOMEN'S, AND CHILDREN'S SUITS, HOSIERY, UNDERWEAR OF KNITTED AND TEXTILE FABRIC, SWEATERS, BLOUSES, GLOVES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. Registered July 13, 1926. CHARLES F. BERG. Renewed July 13, 1946, to Charles F. Berg, Inc., Portland, Oreg., a corporation of Oregon. Class 39.

215,461. **LUXOR.** COMPLEXION POWDERS, COMPACTS, ROUGES, SKIN LOTIONS, FACE CREAMS, COSMETICS FOR THE SKIN, PERFUMES, TOILET WATERS, TALCUMS, HAIR POMADES, SMELLING SALTS, BATH POWDERS, BATH SALTS, DENTIFRICES, SACHETS, AND CERTAIN OTHER NAMED COSMETICS. Registered July 20, 1926. LUXOR, LIMITED. Renewed July 20, 1946, to Armour and Company, Chicago, Ill., a corporation of Illinois. Class 6.

215,591. **"GLACIER PARK" AND DRAWING.** BLANKETS OF COTTON AND WOOLEN MATERIALS. Registered July 20, 1926. PENDLETON WOOLEN MILLS, Portland, Oreg., a corporation of Oregon. Renewed July 20, 1946. Class 42.

215,613. **DURA-BILT.** CANVAS, LEATHER, FELT, AND RUBBER SHOES. Registered July 20, 1926. AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md. Renewed July 20, 1946, to Butler Brothers, Chicago, Ill., a corporation of Illinois. Class 39.

215,884. **HEXTERMINATE.** INSECTICIDE IN THE FORM OF A COATING OR PAINT, ETC. Registered July 27, 1926. TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Renewed July 27, 1946, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Class 6.

215,895. **HEXIT.** INSECTICIDE. Registered July 27, 1926. TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Renewed July 27, 1946, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Class 6.

216,258. **WEAR-EVER.** SUITCASES, TRUNKS, AND BAGS. Registered Aug. 10, 1926. HERMAN ARONS, doing business as Newark Luggage Co., Newark, N. J. Renewed Aug. 10, 1946. Class 3.

216,343. **STIMPSON.** METAL STAMPINGS FROM ALL METALS AND FOR ALL PURPOSES, SHEET METAL INCLUDING SHEET BRASS, SHEET COPPER, SHEET ZINC, SHEET NICKEL, SHEET SILVER; WIRE, INCLUDING COPPER WIRE AND BRASS WIRE, COILS OR ROLLS OF COPPER, BRASS, ZINC, OR OTHER BASE METAL FORMED BY COILING OR ROLLING SHEETS OR STRIPS OF THE METAL, AND SOLID METAL RODS SOLD FROM STOCK FOR GENERAL PURPOSES. Registered Aug. 10, 1926. EDWIN B. STIMPSON COMPANY. Renewed Aug. 10, 1946, to Edwin B. Stimpson, Inc., Brooklyn, N. Y., a corporation of New York. Class 14.

216,352. **"PUROX" AND DESIGN.** OXYGEN, HYDROGEN, AND ACETYLENE GASES. Registered Aug. 10, 1926. PUROX COMPANY, Denver, Colo. Renewed Aug. 10, 1946, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Class 6.

216,371. **SURE.** LUBRICATING OILS AND GREASES. Registered Aug. 10, 1926. PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex., a corporation of Texas. Renewed Aug. 10, 1946. Class 15.

216,611. **"ATLAS" ETC. AND DRAWING.** READY-MIXED PAINTS. Registered Aug. 17, 1926. GEO. D. WETHERILL & CO., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Aug. 17, 1946. Class 16.

216,724. **WETHERLAC.** READY-MIXED LACQUERS. Registered Aug. 17, 1926. GEO. D. WETHERILL & CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Aug. 17, 1946. Class 16.

216,916. **MILLISEN MODES.** LADIES' AND MISSES' HATS, DRESSES, COATS, SUITS, HOSIERY, AND SILK AND WOOLEN UNDERWEAR—NAMELY, CHEMISE, STEP-INS, SLIPS, PETTICOATS, AND BLOOMERS. Registered Aug. 24, 1926. WEILL & HARTMANN. Renewed Aug. 24, 1946, to Charles Weill, Inc., New York, N. Y., a corporation of New York. Class 39.

217,076. **REPRESENTATION OF A MAN AND WOMAN SINGING.** MEDICINAL CONFECTION IN THE NATURE OF A VOICE AND THROAT LOZENGE. Registered Aug. 24, 1926. HENRY THAYER & CO., INC., Cambridge, Mass., a corporation of Massachusetts. Renewed Aug. 24, 1946. Class 6.

217,577. **"MINT JULEP" AND DESIGN.** CHEWING GUM. Registered Sept. 7, 1926. CARL C. MUELLER, doing business as The Peerless Manufacturing Co., Washington, D. C. Renewed Sept. 7, 1946, to Phoebe Phelps Caramel Company, Boston, Mass., a partnership. Class 46.

217,591. **ZESTA.** CRACKERS. Registered Sept. 7, 1926. THE STRIETMANN BISCUIT CO., Cincinnati, Ohio. Renewed Sept. 7, 1946, to United Biscuit Company of America, Chicago, Ill., a corporation of Delaware. Class 46.

217,930. **"GOLDEN NUGGET FUDGE" AND DESIGN.** CANDY. Registered Sept. 14, 1926. GOLDEN NUGGET SWEETS. Renewed Sept. 14, 1946, to Golden Nugget Sweets Ltd., San Francisco, Calif., a corporation of California. Class 46.

217,967. **SPEE-DEE.** BRUSHES—NAMELY, PAINT, VARNISH, AND KALSOMINE BRUSHES. Registered Sept. 14, 1926. HANLON & GOODMAN CO., New York, N. Y., and Belleville, N. J. Renewed Sept. 14, 1946, to Hanlon & Goodman Co., Belleville, N. J., a corporation of New York. Class 29.

218,118. **HIGH BOY.** SELF-MEASURING OIL AND GREASE DISPENSING DEVICES. Registered Sept. 21, 1926. BENNETT PUMPS CORPORATION, Muskegon, Mich. Renewed Sept. 21, 1946, to John Wood Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Delaware. Class 26.

218,161. **REPRESENTATION OF A SMALL RED RECTANGLE IN THE CENTER OF A TIRE PATCH AND A NARROW RED STRIPE OR BAND ON THE LATERAL EDGES THEREOF.** BLOW-OUT PATCHES FOR PNEUMATIC VEHICLE TIRES, SAID PATCHES BEING COMPOSED WHOLLY OF RUBBER OR OF RUBBER AND FABRIC. Registered Sept. 21, 1926. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed Sept. 21, 1946. Class 35.

218,182. **HEAT SEAL.** ASBESTOS FELT JACKETS FOR WATER HEATERS AND BOILERS. Registered Sept. 21, 1926. BASTIAN-MORLEY CO. Renewed Sept. 21, 1946, to Bastian-Morley Co., Inc., La Porte, Ind., a corporation of Indiana. Class 12.

218,193. **E-ZE-ON.** BABY PANTS. Registered Sept. 21, 1926. I. B. KLEINERT RUBBER COMPANY, New York, N. Y., a corporation of New York. Renewed Sept. 21, 1946. Class 39.

218,194. **"CHARTER-HOUSE" AND DRAWING.** MEN'S COATS, VESTS, PANTS, AND OVERCOATS. Registered Sept. 21, 1926. ROSENBERG BROS. & CO. Renewed Sept. 21, 1946, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. Class 39.

218,429. **PARALUSTRE.** RUBBER-TILE FLOORING. Registered Sept. 28, 1926. THE REPUBLIC RUBBER COMPANY. Renewed Sept. 28, 1946, to Lee Rubber and Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio, a corporation of New York. Class 12.

218,439. **MAGNALITE.** MIXED AND PASTE PAINTS. Registered Sept. 28, 1926. JAMES B. SIPE & COMPANY, Pittsburgh, Pa., a corporation of Delaware. Renewed Sept. 28, 1946. Class 16.

218,479. **FAIRWAY.** RUBBER AND RUBBER-FABRIC HOSE FOR LAWNS, GARDENS, ETC. Registered Sept. 28, 1926. THE REPUBLIC RUBBER COMPANY. Renewed Sept. 28, 1946, to Lee Rubber and Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio, a corporation of New York. Class 35.

218,650. **SIPOLAC.** READY-MIXED LACQUER. Registered Sept. 28, 1926. JAMES B. SIPE & COMPANY, Pittsburgh, Pa., a corporation of Delaware. Renewed Sept. 28, 1946. Class 16.

218,651. **BUTALAC.** READY-MIXED LACQUER. Registered Sept. 28, 1926. JAMES B. SIPE & COMPANY, Pittsburgh, Pa., a corporation of Delaware. Renewed Sept. 28, 1946. Class 16.

218,675. **ULTRALITE.** MIXED AND PASTE PAINT. Registered Sept. 28, 1926. JAMES B. SIPE & COMPANY, Pittsburgh, Pa., a corporation of Delaware. Renewed Sept. 28, 1946. Class 16.

218,727. **RED AND WHITE DESIGN.** GENERAL CLEANSING AND WASHING COMPOUND FOR PERSONAL USE, FOR USE IN THE KITCHEN AND HOUSEHOLD GENERALLY, AND FOR USE IN THE LAUNDRY, GARAGE, DAIRY, AND INDUSTRIAL PLANTS OF ALL KINDS. Registered Oct. 5, 1926. OAKLEY CHEMICAL CO., assignor to Oakite Products, Inc. Renewed Oct. 5, 1946, to Oakite Products, Inc., New York, N. Y., a corporation of New York. Class 4.

218,755. **"WE NEVER DISAPPOINT".** PRINTED MAILING ENVELOPES, LETTERHEADS, BILLHEADS, STOCK-CERTIFICATE FORMS, AND OTHER CERTAIN NAMED PRINTED MATTER. Registered Oct. 5, 1926. JOHN S. BRIDGES, doing business as John S. Bridges & Co. Renewed Oct. 5, 1946, to Harry S. Scott, Inc., Baltimore, Md., a corporation of Maryland. Class 37.

218,760. **REPUBLIC.** COAL. Registered Oct. 5, 1926. REPUBLIC COAL AND COKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 5, 1946. Class 1.

218,764. **"WE NEVER DISAPPOINT".** PRINTED BOOKS, PAMPHLETS, CATALOGUES, CIRCULARS, BUSINESS CARDS, AND OTHER CERTAIN NAMED PRINTED MATTER. Registered Oct. 5, 1926. JOHN S. BRIDGES, doing business as John S. Bridges & Co. Renewed Oct. 5, 1946, to Harry S. Scott, Inc., Baltimore, Md., a corporation of Maryland. Class 38.

218,808. **"SUNNY JIM" AND DRAWING.** JAMS, JELLIES, PEANUT BUTTER, MARMALADE, TABLE SIRUPS, FRUIT PRESERVES. Registered Oct. 5, 1926. PACIFIC FOOD PRODUCTS COMPANY. Renewed Oct. 5, 1946, to Pacific Food Products Company, Seattle, Wash., a firm. Class 46.

218,813. **LEFAX.** LOOSE-LEAF BINDERS, LOOSE-LEAF BLANK BOOKS AND PARTS THEREOF, SHEETS RULED FOR DATA, BLANK SHEETS, FILING BOXES, GUIDE CARDS, INDEXES, PAPER PUNCHES, FILING AND MAILING ENVELOPES, CELLULOID LEAVES, TRACING CLOTH, RUBBER STAMPS, PICTURE MOUNTS, AND REENFORCING TABS. Registered Oct. 5, 1926. LEFAX, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 5, 1946. Class 37.

218,821. **HI-LO.** CANDY, ICE CREAM, AND FROZEN CONFECTIONS. Registered Oct. 5, 1926. THEONETT & CO., Chicago, Ill., a corporation of Illinois. Renewed Oct. 5, 1946. Class 46.

218,835. **"PIP PIN" AND DESIGN.** SMALL COOKIES. Registered Oct. 5, 1926. CHARLES BOCCIA, New York, N. Y. Renewed Oct. 5, 1946. Class 46.

218,862. **CELLU.** WEIGHING SCALES. Registered Oct. 5, 1926. THE CHICAGO DIETETIC SUPPLY HOUSE, INC., Chicago, Ill., a corporation of Illinois. Renewed Oct. 5, 1946. Class 26.

218,866. **BURLY.** PNEUMATIC MOTOR-VEHICLE TIRES AND INNER TUBES. Registered Oct. 5, 1926. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Renewed Oct. 5, 1946. Class 35.

218,895. **"C. M. RICE PAPER CO." ETC. AND DRAWING.** BOND PAPER, LEDGER PAPER, WRITING PAPER, AND CARDBOARD. Registered Oct. 5, 1926. C. M. RICE PAPER COMPANY, Portland, Maine, a corporation of Maine. Renewed Oct. 5, 1946. Class 37.

218,958. **DONA.** SOAP. Registered Oct. 5, 1926. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 5, 1946. Class 4.

219,053. **"CUSHMAN'S" ETC. AND DESIGN.** CERTAIN BAKERY PRODUCTS. Registered Oct. 12, 1926. CUSHMAN'S SONS, INC., New York, N. Y., a corporation of New York. Renewed Oct. 12, 1946. Class 46.

219,066. **"POLAR CHAMOIS" AND DRAWING.** UNIMPREGNATED CLEANING AND POLISHING CLOTHS. Registered Oct. 12, 1926. NATHAN H. POOR COMPANY, Peabody, Mass., a corporation of Massachusetts. Renewed Oct. 12, 1946. Class 29.

219,067. **MOUNTAINVIEW.** CANNED FRUITS, BERRIES, AND VEGETABLES. Registered Oct. 12, 1926. WESTERN OREGON PACKING CORPORATION, Corvallis, Oreg., a corporation of Oregon. Renewed Oct. 12, 1946. Class 46.

219,134. **"RED BIRD" AND DRAWING.** MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS AND BLOUSES. Registered Oct. 12, 1926. RADBORD BROS., Pittsburgh, Pa., a firm. Renewed Oct. 12, 1946. Class 39.

219,149. **MASTERTONE.** STRINGED MUSICAL INSTRUMENTS OF THE FRETTED TYPE. Registered Oct. 12, 1926. GIBSON, INC., Kalamazoo, Mich., a corporation of Michigan. Renewed Oct. 12, 1946. Class 36.

219,164. **BROWN TOP.** KNITTED AND WOVEN FABRIC GLOVES WITH OR WITHOUT LEATHER FACING. Registered Oct. 12, 1926. WELLS-LAMONT MANUFACTURING CO., Minneapolis, Minn. Renewed Oct. 12, 1946, to Wells Lamont Corporation, Chicago, Ill., a corporation of Minnesota. Class 39.

219,165. **BLUE TOP.** KNITTED AND WOVEN FABRIC GLOVES WITH OR WITHOUT LEATHER FACING. Registered Oct. 12, 1926. WELLS-LAMONT MANUFACTURING CO., Minneapolis, Minn. Renewed Oct. 12, 1946, to Wells Lamont Corporation, Chicago, Ill., a corporation of Minnesota. Class 39.

219,174. **REPRESENTATION OF A BIRD ON A TREE STUMP.** ACETONE, BENZOL, CARBON TETRACHLORIDE, CHLOROFORM, CERTAIN ACIDS, PURE FOOD COLORS, SODIUM BISULPHITE, TEXTILE COLORS AND ZINC OXIDE, PERFUMES, ESSENTIAL OILS, AND OTHER CHEMICAL PRODUCTS. Registered Oct. 12, 1926. G. S. ROBINS & COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Oct. 12, 1946. Class 6.

219,205. **"COEUR DE L'ARABY" AND DESIGN.** PERFUMES AND FACE POWDERS. Registered Oct. 12, 1926. ADOLPH NELSON GAEBLER, doing business as King Manufacturing Company, St. Louis, Mo. Renewed Oct. 12, 1946. Class 6.

219,300. **CARLTON CLUB.** CARBONATED TABLE OR DRINKING WATER. Registered Oct. 12, 1926. CANADA DRY GINGER ALE, INCORPORATED. Renewed Oct. 12, 1946, to Canada Dry Ginger Ale, Incorporated, New York, N. Y., a corporation of Delaware. Class 45.

219,331. **BANDERILLO.** TROUSERS. Registered Oct. 19, 1926. JOSEPH H. COHEN & SONS, VANITY CLOTHES INC. Renewed Oct. 19, 1946, to Joseph H. Cohen & Sons, Inc., New York, N. Y., a corporation of New York. Class 39.

219,333. **Q-E-D.** LACQUERS. Registered Oct. 19, 1926. THE GILBERT SPRUANCE CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 19, 1946. Class 16.

219,337. **KOOK-RITE.** SPAGHETTI, MACARONI ELBOWS, AND EGG NOODLES. Registered Oct. 19, 1926. CUMBERLAND MACARONI MFG. COMPANY, Cumberland, Md., a firm. Renewed Oct. 19, 1946. Class 46.

219,401. **SANCO.** FLY KILLER, DEODORIZING COMPOUND, DRAINPIPE SOLVENT, TOILET-FLUSH COMPOUND, ROACH POWDER, AND RAT EXTERMINATOR. Registered Oct. 19, 1926. LOUIS HOLZAPFEL, doing business as Sanitary Supply Company. Renewed Oct. 19, 1946, to The Sanco Products Co., Inc., Greenville, Ohio, a corporation of Ohio. Class 6.

219,422. **AUTUMN BLEND.** BRICK. Registered Oct. 19, 1926. ACME BRICK COMPANY, Fort Worth, Tex., a corporation of Texas. Renewed Oct. 19, 1946. Class 12.

219,474. **SPOTLITE.** SPINNERS. Registered Oct. 19, 1926. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio, a corporation of Ohio. Renewed Oct. 19, 1946. Class 22.

219,539. **VIVA-TONAL.** PHONOGRAPH RECORDS, PHONOGRAPH APPARATUS FOR RECORDING AND REPRODUCING SOUNDS AND PARTS THEREOF AND ACCESSORIES THEREFOR, AND RECORD ENVELOPES AND ALBUMS. Registered Oct. 19, 1926 COLUMBIA PHONOGRAPH COMPANY, INC. Renewed Oct. 19, 1946, to Columbia Recording Corporation, Bridgeport, Conn., a corporation of Delaware. Class 36.

219,547. **SPOT LIGHT.** FRESH ASPARAGUS. Registered Oct. 19, 1926. LIBERTY FARMS CO., San Francisco, Calif., a corporation of California. Renewed Oct. 19, 1946. Class 46.

219,658. **"KNOCKS 'EM ALL!" ETC. AND DRAWING.** OINTMENTS FOR CERTAIN AILMENTS. Registered Oct. 19, 1926. HENRY J. MUELLER, Nashville, Ill. Renewed Oct. 19, 1946. Class 6.

219,693. **STAYCO.** STARCH. Registered Oct. 19, 1926. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill., a corporation of Delaware. Renewed Oct. 19, 1946. Class 6.

219,699. **BRAZO FLUX.** WELDING FLUXES. Registered Oct. 19, 1926. OXWELD ACETYLENE COMPANY. Renewed Oct. 19, 1946, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Class 6.

219,743. **"FRATELLI BERTI" ETC. AND DESIGN.** CANDY. Registered Oct. 26, 1926. BERTI BROTHERS, New York, N. Y. Renewed Oct. 26, 1946. Class 46.

219,746. **"PERMEX".** WRITING AND PRINTING INK IN PASTE FORM. Registered Oct. 26, 1926. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed Oct. 26, 1946. Class 11.

219,759. **BLOSSOM HILL.** FRESH DECIDUOUS FRUITS. Registered Oct. 26, 1926. ELIAS H. VOGEL, Lancaster, Pa. Renewed Oct. 26, 1946. Class 46.

219,779. **PROTEX.** HANDLE AND GUARD FOR PORTABLE ELECTRIC LAMPS. Registered Oct. 26, 1926. DANIEL WOODHEAD COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 26, 1946. Class 21.

219,876. **REPRESENTATION OF A TOP.** KNITTED AND WOVEN FABRIC GLOVES WITH OR WITHOUT LEATHER FACING. Registered Oct. 26, 1926. WELLS-LAMONT MANUFACTURING CO., Minneapolis, Minn. Renewed Oct. 26, 1946, to Wells Lamont Corporation, Chicago, Ill., a corporation of Minnesota. Class 39.

219,894. **"OTIS" AND DESIGN.** ELEVATORS, ESCALATORS, ENDLESS CARRIERS, INCLINED RAILWAYS, BLAST-FURNACE HOISTS, AND GRAVITY SPIRAL CONVEYERS, AND PARTS THEREOF. Registered Oct. 26, 1926. OTIS ELEVATOR COMPANY, Jersey City, N. J., and New York, N. Y. Renewed Oct. 26, 1946, to Otis Elevator Company, New York, N. Y., a corporation of New Jersey. Class 23.

219,972. **HITS THE MARK.** STOCK FEED. Registered Oct. 26, 1926. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill., a corporation of Delaware. Renewed Oct. 26, 1946. Class 46.

219,987. **REPRESENTATION OF A FLYING BIRD.** CERTAIN ARTICLES OF FURNITURE. Registered Oct. 26, 1926. THE N. D. CASS CO., Athol, Mass., a corporation of Massachusetts. Renewed Oct. 26, 1946. Class 32.

220,019. **CELLU.** WASHED BRAN, BRAN WAFERS, BRAN BREAKFAST FOOD; INDIA GUM, AGAR-AGAR, AND MINERAL OIL USED AS FOOD INGREDIENTS; AGAR JELLY, GELATIN, COCOA NIBS, COCOA SHELLS, SOY CRISP, CANNED FRUITS AND VEGETABLES, AND FOOD FLAVORING EXTRACTS. Registered Oct. 26, 1926. THE CHICAGO DIETETIC SUPPLY HOUSE, INC., Chicago, Ill., a corporation of Illinois. Renewed Oct. 26, 1946. Class 46.

220,125. **MELOTEX.** ADVERTISING DISPLAY SIGNS AND ART PANELS AND PICTURES COMPRISING A DISPLAY SURFACE PROTECTED BY A COATING OF TRANSPARENT MATERIAL OTHER THAN GLASS. Registered Nov. 2, 1926. PYRAGLASS, INC., Newburgh, N. Y., a corporation of New York. Renewed Nov. 2, 1946. Class 50.

220,130. **GARDTOE.** LEATHER BOOTS AND SHOES. Registered Nov. 2, 1926. CHIPPEWA SHOE MANUFACTURING COMPANY. Renewed Nov. 2, 1946, to Chippewa Shoe Co., Chippewa Falls, Wis., a corporation of Wisconsin. Class 39.

220,133. **PREST-O-WELD.** ACETYLENE WELDING AND CUTTING APPARATUS AND PARTS THEREOF. Registered Nov. 2, 1926. OXWELD ACETYLENE COMPANY. Renewed Nov. 2, 1946, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Class 34.

220,190. **"WEBER" AND DESIGN.** ARTISTS' SCHOOL, AND SHOW-CARD COLORS IN TUBES, PANS, BOTTLES, JARS, POTS, AND CAKE AND STICK FORM; ARTISTS' OILS, VARNISHES, AND MEDIUMS, COMPOSED OF A MIXTURE OF OILS, VARNISHES, AND VOLATILES. Registered Nov. 2, 1926. F. WEBER CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 2, 1946. Class 16.

220,196. **O-MODEL-O.** MODELING CLAY. Registered Nov. 2, 1926. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed Nov. 2, 1946. Class 1.

220,339. **REPRESENTATION OF AN EAGLE ON BARREL.** GASOLINE, KEROSENE, FUEL OIL, LUBRICATING OILS AND GREASES. Registered Nov. 9, 1926. NORTHERN IOWA OIL COMPANY, Cresco, Iowa, a firm. Renewed Nov. 9, 1946. Class 15.

220,380. **"HUMPTY DUMPTY" AND DRAWING.** COTTON PIECE GOODS. Registered Nov. 9, 1926. POMONA MILLS INC., Greensboro, N. C. Renewed Nov. 9, 1946, to Pomona Manufacturing Company, Pomona, N. C., a corporation of North Carolina. Class 42.

220,409. **"DEER HEAD" ETC. AND DESIGN.** WOOLEN PIECE GOODS. Registered Nov. 9, 1926. MADISON WOOLEN CO., Madison, Maine, a corporation of Maine. Renewed Nov. 9, 1946. Class 42.

220,416. **MI-EMP.** WATCH GLASSES AND CRYSTALS. Registered Nov. 9, 1926. HAMMEL, RIGLANDER & CO. Renewed Nov. 9, 1946, to Hammel, Riglander & Co. Inc., New York, N. Y., a corporation of New York. Class 33.

220,447. **"CARECO" ETC. AND DESIGN.** FURNACE LININGS, FIRE BRICK, FACE BRICK, AND BAFFLE TILES. Registered Nov. 9, 1926. CAROLINA REFRACTORIES COMPANY, Hartsville, S. C., a corporation of South Carolina. Renewed Nov. 9, 1946. Class 12.

220,448. **"RUSCO" ETC. AND DESIGN.** ORE CONCENTRATION AND FLOTATION AGENT IN THE NATURE OF A CHEMICAL COMPOUND. Registered Nov. 9, 1926. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Renewed Nov. 9, 1946, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware. Class 6.

220,453. **LADY VIRGINIA.** HOSIERY. Registered Nov. 9, 1926. S. H. KRESS & CO., New York, N. Y., a corporation of New York. Renewed Nov. 9, 1946. Class 39.

220,496. **SUNNY MOUNTAIN BRAND.** ORANGES, TANGERINES, GRAPEFRUIT, IN THEIR NATURAL STATE. Registered Nov. 9, 1926. SUNNY MOUNTAIN ORANGE CO., Riverside, Calif., a corporation of California. Renewed Nov. 9, 1946. Class 46.

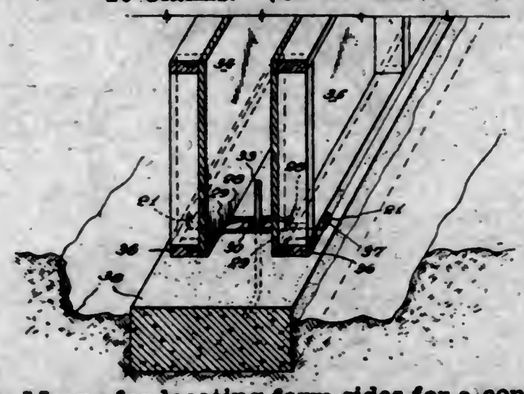
220,524. **WEST BAY.** CANNED FRUITS—NAMELY, CHERRIES AND APPLES. Registered Nov. 9, 1926. TRAVERSE CITY CANNING CO., Traverse City, Mich., a corporation of Michigan. Renewed Nov. 9, 1946. Class 46.

220,590. **UDYLITE.** TEST SETS AND TESTING EQUIPMENT FOR USE IN CADMIUM PLATING. Registered Nov. 9, 1926. UDYLITE PROCESS COMPANY, Kokomo, Ind. Renewed Nov. 9, 1946, to The Udylite Corporation, Detroit, Mich., a corporation of Delaware. Class 26.

REISSUES

OCTOBER 8, 1946

22,799
FORM ALIGNER
Warren Hyre, Clearwater, Fla.
Original No. 2,378,850, dated June 19, 1945, Serial No. 569,800, December 26, 1944. Application for reissue February 21, 1946, Serial No. 649,340
10 Claims. (Cl. 25—131)

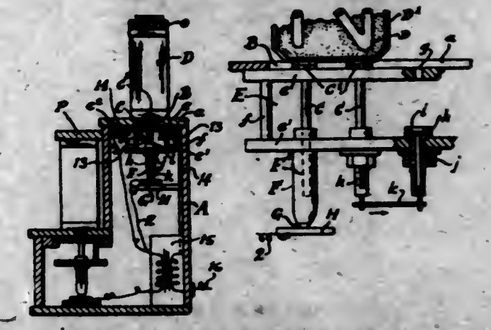


1. Means for locating form sides for a concrete wall to be cast on a footing provided with dowel pins extending into the wall, comprising seats for the bottoms of the sides, means for connecting the seats, and means on the connecting means for engaging a dowel pin in a transversely adjusted position.

22,800
METHOD FOR THE CATALYTIC DEHYDROGENATION OF HYDROCARBONS
Kenneth K. Kearby, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original No. 2,370,797, dated March 6, 1945, Serial No. 456,266, August 26, 1942. Application for reissue July 19, 1946, Serial No. 684,763
5 Claims. (Cl. 260—669)

1. An improved method for the catalytic dehydrogenation of hydrocarbons selected from the class of mono-olefins and aralkyls having at least two carbon atoms in the alkyl group which comprises contacting said hydrocarbon diluted with from 1 to 30 volumes of steam per volume of hydrocarbon at temperatures between about 1000° F. and 1600° F. with a catalyst comprising a major portion of zinc oxide and a minor portion of an oxide selected from the class consisting of iron oxide, manganese oxide, cobalt oxide, nickel oxide and chromium oxide and a minor proportion of a promoter comprising potassium oxide.

22,801
INTERCHANGEABLE LETTER SIGN
James R. Starnes, Toronto, Ontario, Canada, assignor, by mesne assignments, to Nusign Electric Limited
Original No. 2,295,188, dated September 8, 1942, Serial No. 332,412, April 29, 1940. Application for reissue September 7, 1944, Serial No. 553,100
2 Claims. (Cl. 40—130)



1. An interchangeable letter sign comprising a cabinet having an elongated opening formed through the top thereof, a lamp mounting fitted in said cabinet and positioned beneath said opening, a series of lamp sockets fitted in said mounting, a series of lamps formed in the shapes of letters comprising hermetically sealed tubes containing luminescent gas, adapted to be inserted and detachably engage in said sockets, a series of contacts depending from said mounting, contact plates set in said cabinet and engageable by said contacts, said mounting and contacts wired in circuit with an electrical source fitted in said cabinet, said lamp mounting adapted to be longitudinally adjusted to make and break the circuit connection with a portion of said lamp mounting and to center the display of lamps when varied on the said mounting numerically and permutably.

PLANT PATENTS

GRANTED OCTOBER 8, 1946

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

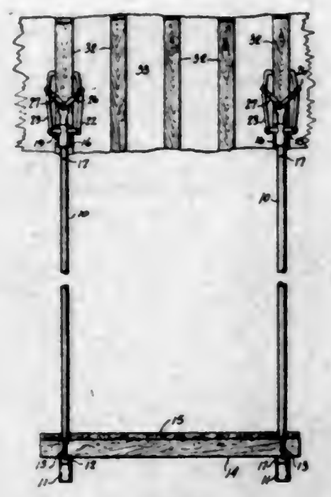
712
ROSE PLANT
Herbert C. Swim, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California
Application December 18, 1945, Serial No. 635,663
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the polyantha class, characterized as to novelty by its loose and graceful habit of growth and development of large trusses of blooms, glossy foliage through which the bloom protrudes and thereby forms an attractive background for the flowers, the resistance to mildew of such foliage, the form, size, fragrance and color of the blooms, the large number of flowers per cluster and freedom of blooming, their freedom of the blooms from unsightly fading and their habit of dropping off cleanly, and the suitability of the plant generally for cut flowers and hedge purposes, substantially as shown and described.

PATENTS

GRANTED OCTOBER 8, 1946

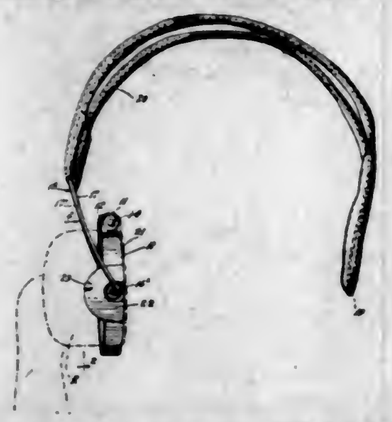
2,408,719
SUPPORT
Vardy M. Abernethy, Forest City, N. C.
Application October 1, 1945, Serial No. 619,545
1 Claim. (Cl. 304—19)



A support adapted to be secured to opposed sides of a rafter or other beam in a building comprising an elongated shank, means on the lower end of the shank for supporting an object, a sleeve slidably mounted near the upper end of the shank, a pair of dogs having their lower ends pivotally secured to opposed sides of the sleeve, a pair of links pivotally secured to the upper end of the shank at one end and having their other ends pivotally secured to an intermediate portion of said dogs, the upper ends of the dogs being turned inwardly and pointed towards each other and terminating in a sharp point and being adapted to engage and embed themselves in opposed sides of the beam when applied to a beam and downward pressure is applied to the shank, a stop on the shank to limit downward movement of the sleeve, said sleeve normally resting by gravity on said stop to cause the pointed ends of said dogs to be widely separated, lateral pressure on the shank serving to embed the pointed upper end of one of the dogs in one side of the rafter or beam so that a slight downward pull on the shank will move the pointed end of the other dog against the other side of the rafter or beam, and further downward pressure on the shank will embed the pointed ends of both dogs further in the rafter or beam.

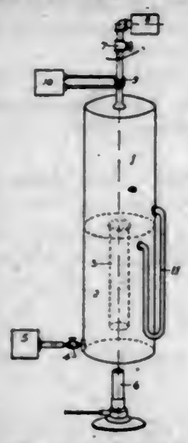
2,408,720
ATTACHMENT FOR AUDIO RECEIVERS
Blandford A. Alger, Belleville, N. J.
Application May 28, 1945, Serial No. 596,349
1 Claim. (Cl. 179—156)

In an audio receiver attachment, a clamp, studs depending from said clamp, a headpiece provided with means engaging said studs to rotatably position said headpiece on said clamp, and cam means on said clamp adapted to be engaged by said



headpiece to fix the position of the latter on the clamp.

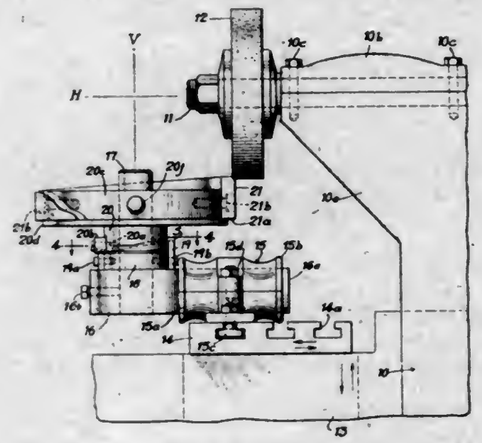
2,408,721
PNEUMATICALLY-OPERATED LIQUID-RECIRCULATING DEVICE
William B. Altsheler, Louisville, Ky., assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky., a corporation of Indiana
Application July 1, 1944, Serial No. 543,159
4 Claims. (Cl. 23—252)



1. A pneumatically operated liquid recirculating device for gas absorbing, gas scrubbing and like purposes comprising: means providing an upper chamber; means providing a lower chamber adapted to receive an initial charge of liquid up to a predetermined upper level; a drain tube connecting the lower part of the upper chamber to the lower portion of the lower chamber; and a control tube, of small diameter in relation to the diameter of the drain tube, extending from the lower chamber adjacent its upper level downwardly to an intermediate elevation above the lower end of the drain tube and thence upwardly into the lower part of the upper chamber, said control tube also being adapted to receive liquid of said initial charge up to a level corresponding to said predetermined upper level; the upper part of said lower chamber being constructed and arranged to receive a progressive accumulation of gas in its upper portion to force said initial charge of liquid through the drain

and control tubes into the upper chamber as it simultaneously depresses the liquid level in both the lower chamber and the control tube whereby, when the depressed level reaches said intermediate elevation, the gas accumulation immediately becomes effective to flush the liquid remaining in the control tube upwardly into the upper chamber and to escape from the lower chamber through the control tube into the upper chamber thereby releasing the gas pressure in the lower chamber and permitting the liquid in the upper chamber automatically to gravitate rapidly back through said drain tube into the lower chamber and back into the control tube and thus recondition the device automatically for a repetition of its operation.

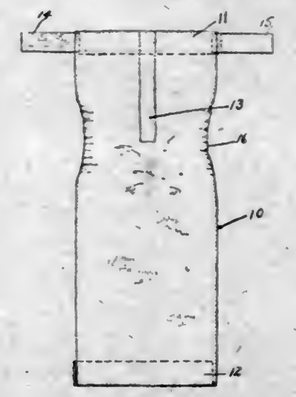
2,408,722
APPARATUS FOR FORMING CAM SURFACES UPON CYLINDRICAL CAM BODIES
Arthur Anderson, Brooklyn, N. Y.
Application April 7, 1945, Serial No. 587,126
1 Claim. (Cl. 51—101)



In apparatus comprising a rotatable grinding wheel for forming a cam surface wherein a work table is movable in a direction normal to the axis of said grinding wheel, said work table being adjustable longitudinally and transversely with respect to said axis, the combination with said apparatus of a detachable fixture including a base rigidly secured to said table and providing a vertically extending cylindrical portion constructed and arranged for the insertion thereover of a surrounding arcuate template, said base also providing a cylindrical bearing portion having a vertical axis of rotation coincident with the axis of said arcuate template, said detachable fixture also including a work carrier journaled on said base for movement radially and longitudinally of said vertical axis, said work carrier comprising a cylindrical portion concentric with said vertical axis for rigidly holding a cam body on the outer periphery thereof, and a template follower secured to said carrier for engagement with said template.

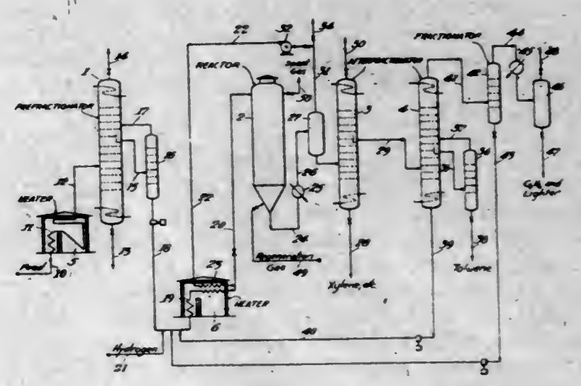
2,408,723
UNDERGARMENT
Leonard G. Arpin and Helen G. Arpin, Montclair, N. J.
Application March 19, 1945, Serial No. 583,632
3 Claims. (Cl. 2—224)

1. An undergarment comprising a unitary strip of fabric folded upon itself to form front and back members, the ends of said folded strip being interconnected to form waist engaging means, and a crotch portion formed on said front member, said crotch portion being defined by an area of said front member having pleated side edges whereby said pleated side edges are curved in-



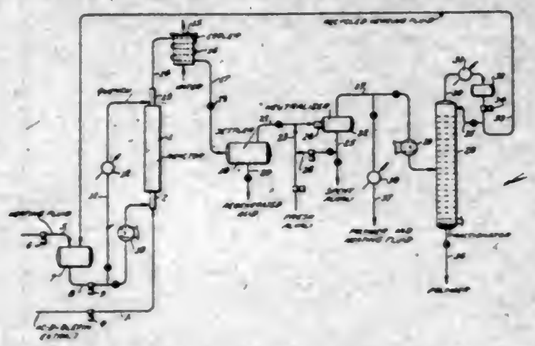
wardly in relation to the unpleated side edges of said front member so as to conform to the bottom torso curvature of a wearer, said pleated side edges forming said crotch portion of less width and greater fullness than the remainder of the undergarment.

2,408,724
TOLUENE PROCESS
James C. Ballie and Rodney V. Shankland, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 7, 1942, Serial No. 453,929
7 Claims. (Cl. 260—668)



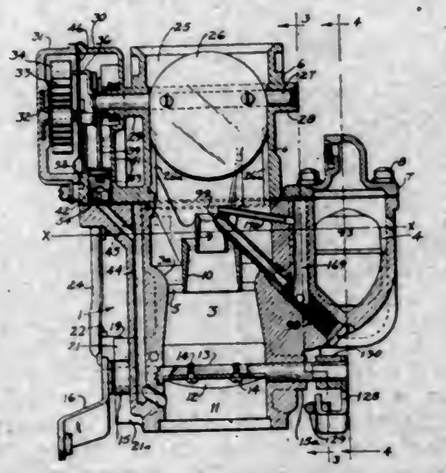
1. The process of making toluene in high concentration from petroleum naptha which comprises contacting said naptha at a conversion temperature within the range of about 850 to 1100° F. with a catalyst substantially free of alkali metals consisting essentially of alumina gel promoted with about 5 to 10 per cent of molybdenum oxide, the boiling range of said naptha lying within about 50° F. of the boiling point of toluene, supplying to the reaction zone about 1 to 5 mols of hydrogen per mol of naptha treated and recovering toluene from the reaction products, said alumina gel having been prepared by dissolving amalgamated metallic aluminum in a weak acid thereby forming an alumina sol, gelling said sol, drying and igniting the resulting alumina gel, and applying the molybdenum promoter to the gel subsequent to igniting by impregnating said gel with a solution of a soluble compound of molybdenum and re-igniting the catalyst.

2,408,725
HYDROCARBON CONVERSION
Arnold Belchetz, Kew Gardens, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application September 4, 1942, Serial No. 457,530
15 Claims. (Cl. 260—683.15)



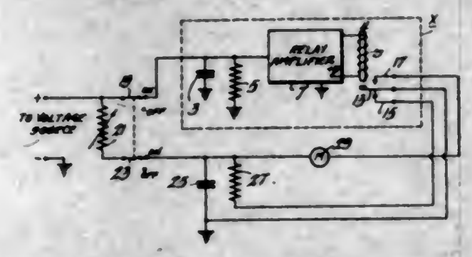
1. In the method of converting olefin hydrocarbons in which olefin hydrocarbons are absorbed in an acid polymerizing catalyst at temperatures below polymerizing temperatures and the extract thus obtained is heated under pressure to a temperature sufficiently high to polymerize the absorbed olefins in the liquid phase, the improvement which comprises mixing said extract while at a temperature below polymerizing temperatures and at the polymerizing pressure with hydrocarbon vapors comprising at least a substantial proportion of an isoparaffin hydrocarbon boiling above the polymerizing temperature at the polymerizing pressure in proportions which produce a resulting mixture of extract and condensed vapors which is at the desired polymerizing temperature, separating from the resulting polymerized product regenerated acid catalyst and a hydrocarbon mixture comprising the polymers and the isoparaffin hydrocarbon, recycling said regenerated acid catalyst to said absorption step, and subjecting said hydrocarbon mixture comprising olefin polymers and the isoparaffin hydrocarbon to alkylation reaction conditions.

2,408,726
CARBURETOR
George M. Bicknell, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application November 5, 1942, Serial No. 464,643, which is a division of application Serial No. 333,759, May 7, 1940. Divided and this application September 6, 1943, Serial No. 501,437
6 Claims. (Cl. 261—69)



1. In a carburetor, a mixture conduit, a main fuel passage, a constant level fuel chamber having a lateral extension below the fuel level and opening through the side wall of said chamber, a diaphragm closing said opening and acting against the fluid in said chamber, a plate fixed over said diaphragm and forming a suction chamber therewith, said plate having an opening axial of the center of said diaphragm, a suction passage connecting said conduit and said chamber, a metering orifice in said main fuel passage, a metering pin for regulating the fuel passing through said orifice, said metering pin extending axially through said orifice, diaphragm, and plate opening, and means removable through said plate opening and securing said metering pin to said diaphragm whereby movement of said diaphragm by suction regulates the flow of fuel through said jet.

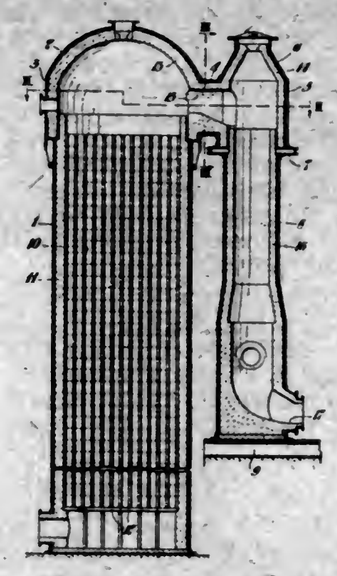
2,408,727
MEANS FOR CIRCUIT TIME CONSTANT MEASUREMENT
Daniel Blitz, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 11, 1944, Serial No. 544,448
8 Claims. (Cl. 161—15)



1. Apparatus for measuring the time constant of an electrical network comprising a capacitor, connection means for a source of charging potential, means for selectively applying said potential to and for simultaneously removing said potential from said network and said capacitor, a discharge circuit for said capacitor, means selectively connected in shunt with said capacitor for indicating the electrical charge on said capacitor, and switching means responsive to the removal of said potential from said network for selectively disconnecting said discharge circuit from and for alternately connecting said indicating means to said capacitor to indicate said network time constant as a function of the residual charge on said capacitor.

2,408,728
HOT-BLAST STOVE
Andrew Bowland, Mount Lebanon, Pa., assignor to William M. Bailey Company, a corporation of Pennsylvania
Application August 3, 1942, Serial No. 453,353
3 Claims. (Cl. 263—19)

1. In a hot blast stove comprising an insulating wall having checker tile mounted therein and having a sheet metal housing spaced from the outer wall thereof, a combustion chamber spaced from said checker tile structure having an insulating wall and a sheet metal lining spaced from the outer wall thereof, domes mounted on the respective checkerwork and combustion chamber structures having communicating ducts laterally spaced to deliver the products of combustion from the combustion chamber over substantially the entire area above the checker tile, said ducts being of a greater horizontal cross-sectional area than the dome above the combustion chamber, said domes and ducts having a sheet metal outer housing connected to the housing of the combustion chamber by a thermal expansion joint whereby the duct connected domes are vertically



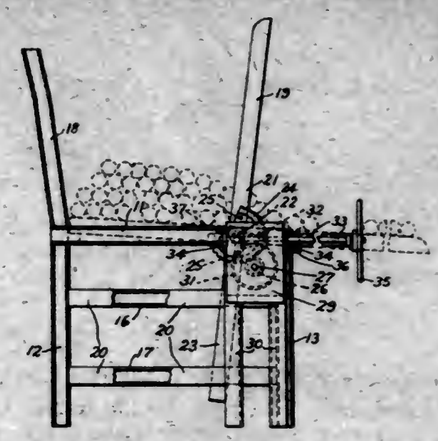
movable as a unit in response to thermal expansion of the checkerwork wall.

2,408,729
CUTTING MACHINE
Jesse W. Brackett, New Bedford, Mass.
Application April 14, 1944, Serial No. 531,015
5 Claims. (Cl. 107—12)

1. In a machine as described, the combination of means for intermittently advancing a body of plastic material, means for pressing the material into a slab of predetermined thickness, a knife comprising a straight blade and an angular blade element attached thereto, means for imparting lateral movement to successive strips cut from the material by said straight blade to bring successive strips underneath the angular blade element to be cut into pieces of predetermined size, means for actuating the knife, and means for actuating said advancing means in timed sequence with said knife.

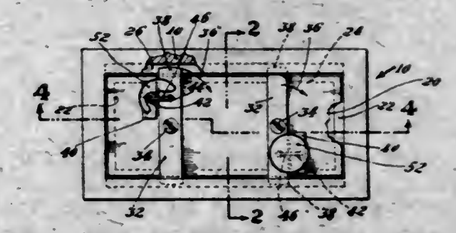
2,408,730
STOCK SUPPORTING TABLE
Jack Breslav, New Haven, Conn.
Application March 22, 1944, Serial No. 527,591
7 Claims. (Cl. 214—16)

1. In a stock supporting table, a stock supporting base, a first upright side member at one side of said base, a second straight and upright side member at the other side of said base, said second member being pivoted intermediate its ends to position its end portions, when swung on its pivot, inclined in respect to said base, with one end portion extending beyond said other side of said base and with the other end portion between the sides of the base and forming an inclined supplemental



base to tilt the load and facilitate its removal from said base.

2,408,731
CONTAINER OR SHIPPING CASE HAVING A REMOVABLE COVER TO BE LOCKED AND SEALED
Joseph Burger, New York, N. Y.
Application December 30, 1943, Serial No. 516,151
1 Claim. (Cl. 217—56)

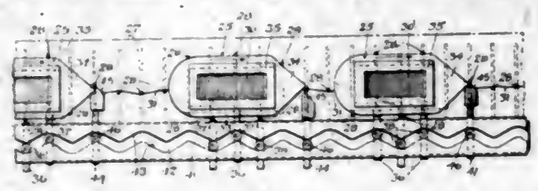


A shipping case comprising a bottom, end walls, side walls and a removable closure therefor, said side walls having grooves therein, locking members pivotally secured to the closure, stop members fixed to the closure and extending substantially at right angles to the grooves upon arranging the closure in the case, each of said locking members to be swung about its pivot into locking position against a stop member with the ends of the locking member inserted in a said groove, each of said stop and locking members having holes therein, the mouth of the hole in a stop member lying in the same horizontal line as the mouth of the hole in the locking member upon bringing the locking member against a stop member, a U-shaped member, the legs of which completely and removably extend into a hole in the stop member and into the hole of the corresponding locking member, the element of said U-shaped member connecting the legs thereof being positioned on and against the top of the stop member and corresponding locking member and a flat sealing member secured to the surface of the stop member and corresponding locking member and extending partially thereover to partially cover said members, the holes and leg joining element of the U-shaped member.

2,408,732
CIRCULAR LOOM
Constantine A. Caldes, Jersey City, N. J.
Application December 16, 1944, Serial No. 568,481
14 Claims. (Cl. 139—15)

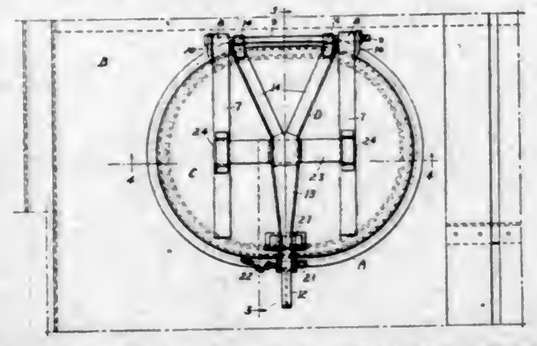
1. In a circular loom, a shuttle, a stator to guide the shuttle, a rotor, shuttle driving members arranged on said rotor in relation to said shuttle

for movement into and out of engagement with the shuttle while traveling with said rotor to drive



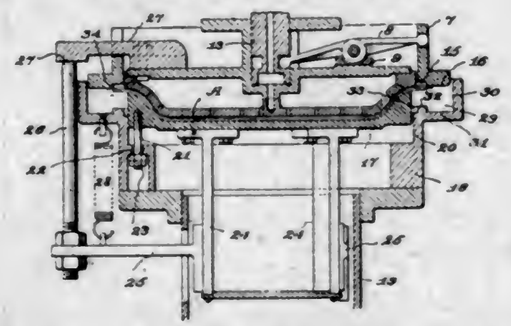
the shuttle and enabling warp threads to pass between the shuttle and the rotor, and means to operate the driving members.

2,408,733
ROOF HATCH FOR RAILWAY CARS
Argyle Campbell, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application August 4, 1944, Serial No. 548,079
6 Claims. (Cl. 105—377)



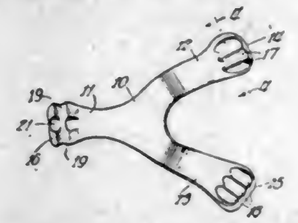
1. In a roof hatch of the class described, the combination of a hatch wall defining a hatch opening and having a seat on its upper margin, a pan-shaped cover hinged on said hatch wall and adapted to be pressed upon said seat, an operating mechanism bridging the cover and hinged at one side adjacent the cover hinge, means at the other side of said operating mechanism for holding said operating mechanism in closed position, and a resilient means carried by said operating mechanism and bearing upon said cover to apply pressure to hold the cover upon its seat.

2,408,734
MOLDED FIBER EDGE FORMING APPARATUS
Merle P. Chaplin, South Portland, Maine
Application September 13, 1944, Serial No. 553,904
12 Claims. (Cl. 92—56)



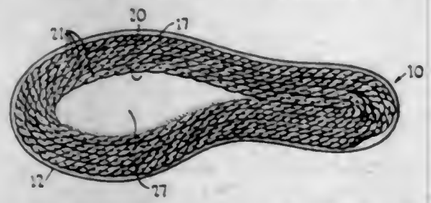
1. An apparatus of the character described comprising a pair of coacting coaxial dies adapted to engage the opposite faces of a molded fiber article interposed between them with the marginal portion of the article extending beyond the opposing article engaging surfaces of both dies, a stationary member surrounding one of the dies and provided therein with a molding channel, a shaping ring embracing the other die with its inner periphery alined with the outer periphery of the molding channel, said ring being axially movable with respect thereto to deflect the extending marginal portion of the article toward and into axial alinement with the said channel and thereafter form a wall about the outer periphery of said channel, and means for axially moving both dies in the direction of the base of the molding channel to compress and compact said deflected marginal portion of the article in said molding channel.

2,408,735
TEETHING DEVICE
Roland S. Claflin, Park Ridge, Ill.
Application March 20, 1943, Serial No. 479,837
5 Claims. (Cl. 128—359)



1. A teething device for infants, comprising a central body portion and three diverging curved prongs, the curve in each prong being intermediate the central body and the end portion thereof and the concave side of one prong being faced in the opposite direction from that of another of the prongs whereby to hold the body of the device raised on a plane surface in substantially all positions of the device.

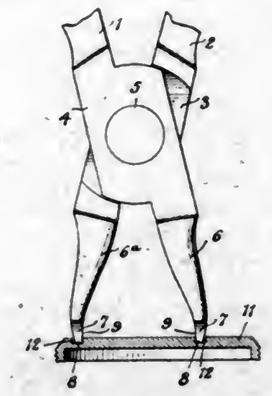
2,408,736
SOLE FOR SHOES, SLIPPERS, OR OTHER ARTICLES OF FOOTWEAR
George Codish, New York, N. Y.
Application March 29, 1944, Serial No. 528,563
7 Claims. (Cl. 36—30)



1. A sole comprising a sole shaped board, a cord contacting the underside of the board and wound continuously around one face of the board and covering all but the central portion of the ball of said board, and being stitched to said board by stitching extending longitudinally of the cord, and an insert at said central portion of the ball of the board, said insert comprising a filler contacting the underside of said board and disposed within said central portion of the ball of the board, and a covering for said filler, the edge portion of said cover being tucked beneath the wound cord and stitched to the board by the stitching which stitches the cord to said board.

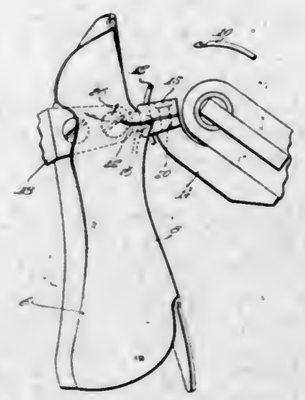
2,408,737
WATCHCASE TOOL
Louis A. Cormier, West Hempstead, N. Y., assignor to Hammel, Riglander & Co. Inc., New York, N. Y., a corporation of New York
Application March 27, 1945, Serial No. 585,057
2 Claims. (Cl. 81—6)

1. A tool for removing thread-on backs of watch cases comprising, a pair of pliers having jaws tapered and inturned toward one another and shaped at their ends to enable the same to be engaged in a pair of spaced recesses in the back of a watch case and the tool rotated to



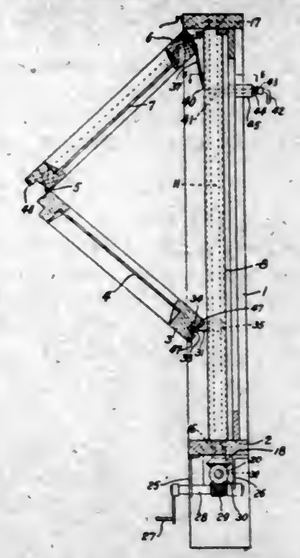
thereby unthread the back of the watch case, the ends of the jaws being of rectangular form and being notched in the sides which face toward one another.

2,408,738
MOCCASIN SEWING MACHINE
William A. Crawford, Mattoon, Ill., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 14, 1945, Serial No. 599,473
2 Claims. (Cl. 112—60)



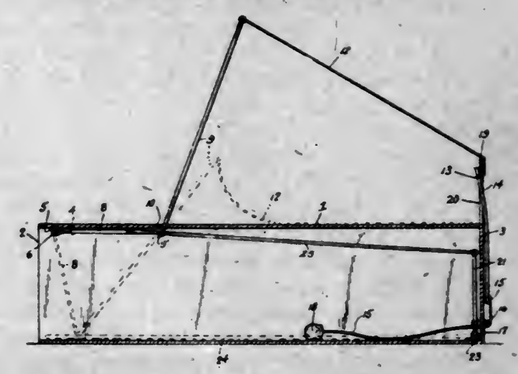
1. A machine for sewing a U-shaped moccasin seam in a one-piece shoe upper, having a work support provided with work engaging surfaces disposed with relation to each other and extending in the direction of work feed to form a re-entrant angle, an internal presser formed with angularly disposed work engaging surfaces to force the upper into the angle between the work engaging surfaces of the work support, and stitch forming and work feeding devices including a needle moving in a path intersecting the material of the upper along that portion within the angle of the work engaging surfaces on the work support and acting progressively along the line of the seam to form a permanent fold in the upper, in combination with a finger engaging the upper along the line of the fold in advance of the point of entry of the upper between the work engaging surfaces of the work support, to deflect a portion of the upper outside the seam line and to bring that portion of the upper into general conformity with the angle of the work engaging surfaces of the work support as the upper is fed.

2,408,739
WINDOW CONSTRUCTION
Rodney Dawes, Royal Oak, Mich.
Application November 3, 1943, Serial No. 509,001
20 Claims. (Cl. 160—188)



1. A window construction comprising a rectangular frame having a single sash guideway, aligned lower and upper sashes pivotally joined by an intermediate hinge, pivotal means supporting the upper sash within said frame, aligned pivotal means supporting the lower sash within said frame, and rotatable means vertically disposed and journaled within said frame operatively engaged by said lower sash pivotal means for vertical adjustments.

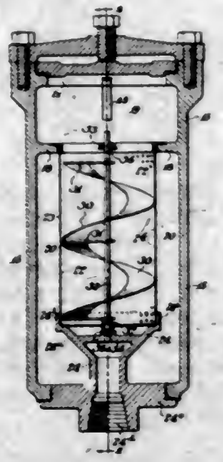
2,408,740
ANIMAL TRAP
Paul De Asis, New York, N. Y.
Application June 8, 1944, Serial No. 539,309
8 Claims. (Cl. 43—61)



1. A trap comprising a housing open at its front end and having a top formed with a transverse slot spaced from its front end and a rear end wall formed with an opening near its lower end, a striker pivotally mounted in the rear portion of said housing and urged downwardly, a yoke pivotally mounted adjacent the open front end of said housing and urged downwardly, a plate pivoted to the inner rear end of said yoke and extending upwardly through the slot in the top of the housing, a strip extending longitudinally in said housing and having its rear end pivoted to the upper end of said striker and its front end pivoted to the lower end of said plate, a panel extending upwardly across the rear end of said housing and formed with a vertically extending opening intermediate its width, a bait-holding line passing through the opening in the rear wall of said housing with its inner portion extending

longitudinally in the housing for carrying bait, a rod carried by the rear end of said line and disposed vertically in set position with its upper end portion passing through the opening of the panel and bearing against the front face of the panel above the opening thereof, and a line secured at the upper end of said plate and extending rearwardly of the housing with its rear end passing downwardly and forwardly through the opening of the panel and terminating in an eye for engaging about the upper portion of said rod.

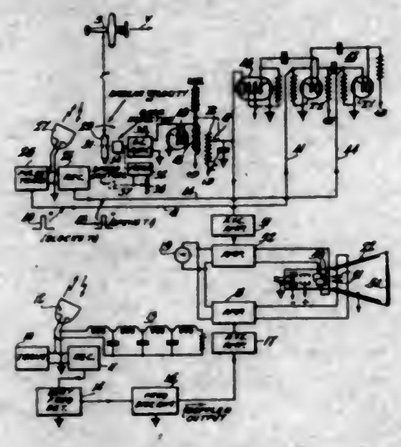
2,408,741
SELF-CLEANING STRAINING DEVICE
William R. Dodge, Aldan, Pa., assignor to Hajoca Corporation, a corporation of Delaware
Application August 11, 1944, Serial No. 548,988
1 Claim. (Cl. 210—167)



In a filtering device, the combination of a casing open at the top and bottom and provided at its upper portion with an annular, lateral, inwardly projecting flange, a hollow plug member closing the lower end of the casing and provided with an upwardly extending inverted conical portion and having an outlet for solids, a perforated open ended cylindrical basket arranged within the casing and spaced from the walls thereof and seated upon said conical portion having its upper end arranged within the annulus defined by said inwardly projecting flange, cross bars provided with bearings and located in said conical portion and in the top of the basket, a shaft journaled in said bearings, a helical blade mounted on said shaft in close proximity to said basket for rotation and for shearing material projecting from the interior of the basket wall, an inlet in line with the upper open end of the basket and an outlet located at the top of the casing and communicating with the space between the casing and the basket.

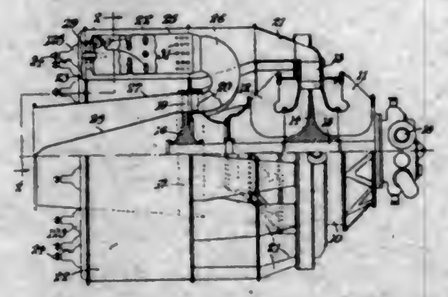
2,408,742
RADIO SYSTEM FOR VELOCITY MEASUREMENT
Thomas T. Eaton, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 11, 1942, Serial No. 468,868
5 Claims. (Cl. 250—1)

1. In combination in a system for determining that component of an object's velocity which is at right angles to the line of sight from the observer to the object, an object locating means which has a line of sight axis and which is rotatably mounted about an axis perpendicular to said line of sight axis, means for producing an electrical quantity that is representative of the distance from the observer to the object, means for positioning said object locating means with its mounting axis perpendicular to the plane defined by the line of motion of said object and by the line of sight from the observer to the object whereby the object locating means may be turned in said plane about said mounting axis at such



an angular velocity as to keep said line of sight axis pointed toward said object, means responsive to said turning of the object locating means for obtaining an electrical quantity that is representative of said angular velocity, and means for multiplying said two electrical quantities to obtain a product which is equal to said desired velocity component.

2,408,743
JET-PROPULSION APPARATUS FOR AIRCRAFT
Albert George Elliott, Quarndon, Derby, England
Application October 7, 1943, Serial No. 505,394
In Great Britain May 18, 1942
1 Claim. (Cl. 60—35.6)



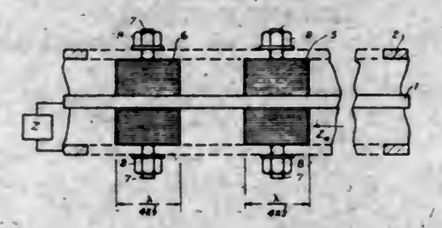
A jet-propulsion apparatus for aircraft, comprising a central air-compressor, a gas-turbine co-axial with, and to the rear of the compressor and coupled to the compressor to drive it, a gas outlet co-axial with and to the rear of the turbine and the compressor, through which outlet gases passing through the turbine are discharged rearwardly as a jet propelling the aircraft, a single annular chamber closed at its rear end and surrounding the jet outlet co-axially therewith, at least one passage through which air under pressure is delivered by the compressor to the front end of the annular chamber, a number of cylindrical open-ended combustion chambers mounted in the annular chamber in closely spaced side by side relationship with their axes equally spaced and parallel with the axis of the turbine and compressor, a fuel-injection nozzle for each combustion chamber arranged to direct the fuel forwardly into its combustion chamber and ducts

for conveying the products of combustion from the front ends of the combustion chambers through the turbine, to drive it, and hence to the jet outlet from which they are discharged.

2,408,744
PROCESS OF PRODUCING ESTERS
Karl H. Engel, Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 11, 1945, Serial No. 587,827
8 Claims. (Cl. 260—461)

1. The process of making esters of phosphorous acid which comprises reacting a compound selected from the group consisting of alcohols and phenols with phosphorus trichloride in the presence of an organic base having a tertiary nitrogen atom which reacts with the hydrogen chloride liberated during the reaction to form a hydrochloride having a melting point not above 110° C. and separating the hydrochloride in the liquid phase from the ester at a temperature above the melting point of the hydrochloride.

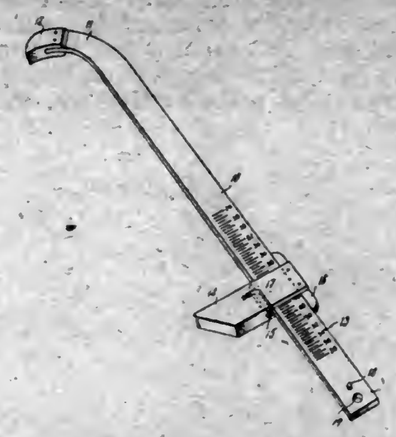
2,408,745
VARIABLE IMPEDANCE TRANSFORMER
Dennis Clark Espley, North Wembley, England, assignor to The General Electric Company Limited, London, England
Application November 10, 1942, Serial No. 465,143
In Great Britain November 11, 1941
13 Claims. (Cl. 178—44)



1. A variable impedance transformer of the type in which part at least of the impedance transformation is effected in a transmission line comprising, a transmission line having a first pair of terminals adapted to have coupled thereto an impedance of a first value and having a second pair of terminals at which it is desired that said first value of impedance be transformed by said line to a second value of impedance, and modifying means readily slidable along said transmission line in the operative condition thereof to modify the characteristic impedance of at least two substantial parts of said line which parts have positions along said line selectable by movement of said modifying means.

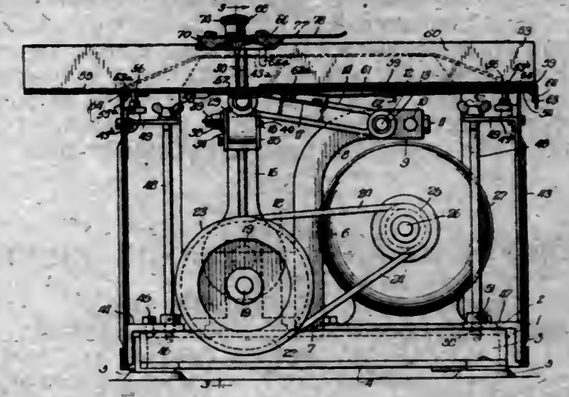
2,408,746
APPARATUS FOR MEASURING TIRES
Ralph W. Evert, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application March 21, 1945, Serial No. 583,871
1 Claim. (Cl. 33—178)

A tire measuring device for determining the diameter of the tread of a tire in the plane of the wheel, comprising a graduated bar adapted to rest with one edge tangent to the tire tread in surface contact therewith and having a fixed lateral projection from said edge at one end that is provided with a tire contact point for engaging the tire tread and a movable lateral projection slidably mounted on the bar near its other end and having a tire contact point, the slidably mounted projection being adapted to slide along the bar until its contact point en-



gages the tire tread, whereupon when the said edge and two points engage the tire the diameter of the tire tread can be determined by reading the position of the sliding projection relative to said graduations.

2,408,747
MEAT TENDERING MACHINE
Arthur H. Ahrndt, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application May 14, 1941, Serial No. 393,381
17 Claims. (Cl. 17—25)

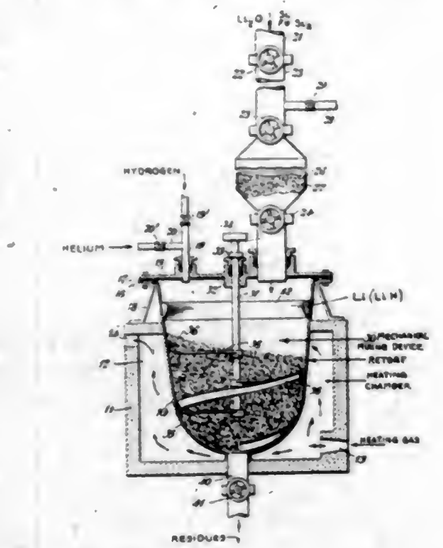


1. A machine having a relatively low base, tendering mechanism including a plurality of tines supported on the base and extending upwardly therefrom, a housing about said mechanism, a trough removably mounted on a top portion of said housing, and means removably fastening the housing to the base, said means comprising elongated members extending downwardly from adjacent said top portion of the housing so as to be readily accessible upon removal of said trough, said members having threaded ends and impinging portions engageable with the base and housing to removably lock the housing to the base.

2,408,748
PRODUCTION OF LITHIUM HYDRIDE
Peter P. Alexander, Marblehead, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts
Application September 30, 1944, Serial No. 556,578
21 Claims. (Cl. 23—204)

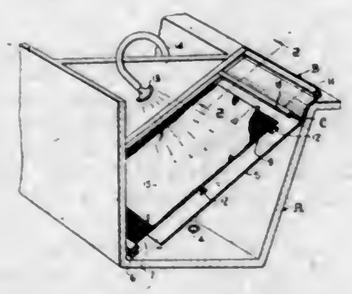
16. In the method of producing lithium hydride, the improvement which comprises confin-

ing a charge of lithium oxide and silicon-bearing material in a reaction zone, subjecting the charge and reaction zone to a vacuum to remove objectionable air and moisture, admitting inert gas to the reaction zone in amount sufficient to place it under substantial positive pressure, heating the charge to a temperature sufficiently high to reduce the lithium oxide and to distill the resulting metallic lithium, intimately



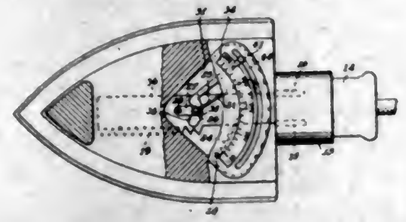
admixing the charge while the reduction of the lithium oxide and the distillation of the resulting metallic lithium take place to insure contact of the silicon-bearing material with particles of unreduced lithium oxide, condensing the distilled lithium in a cooler portion of the reaction zone removed from the charge, admitting hydrogen gas to the reaction zone, and converting the condensed lithium by reaction with the hydrogen in the presence of the inert gas to lithium hydride.

2,408,749
MEANS FOR WASHING AND DRYING FABRIC ARTICLES
Floyd H. Berg, Minneapolis, Minn.
Application May 10, 1944, Serial No. 535,006
2 Claims. (Cl. 68—205)



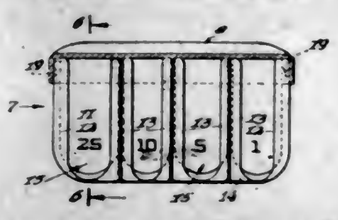
1. In a washing and drying device a rectangular frame, a rectangular screen stretched over the frame opening and attached at three side edges to three sides of the frame, the fourth edge of the screen being spaced from the fourth side of the frame to provide an edge over which an end edge portion of a flat fabric article may be folded with the main body portion of the article in surface contact with one face of the screen, said fourth edge of the screen being raw cut whereby wire ends will project to engage the fold line of the article folded thereover.

2,408,750
TEMPERATURE INDICATING ELECTRIC IRON
Leo Roman Bolte, Staten Island, N. Y.
Application March 6, 1943, Serial No. 478,223
1 Claim. (Cl. 219—25)



A temperature indicating device for an electrically heated appliance, said appliance including a body portion having a cavity with electrical heating means in said cavity and a cover plate on said body portion over said cavity, said device comprising a dial having a curved slot fixed to said cover plate, a substantially U-shaped thermoresponsive element in said cavity, said element having one leg of the U pivoted to the cover plate, a vertical shaft journalled in the cover plate, a short arm fixed to said shaft below the plate, the other leg of the U-shaped element pivoted at its end to said short arm, a pointer fixed to said vertical shaft, a member slidable in the slot of said dial, said slidable member having a terminal in said body cavity connected to said heating means, said terminal adapted to contact said short arm.

2,408,751
CHANGE PURSE
Harold Breiter, New York, and Harold Brandon, Brooklyn, N. Y.
Application November 30, 1944, Serial No. 565,850
2 Claims. (Cl. 133—6)

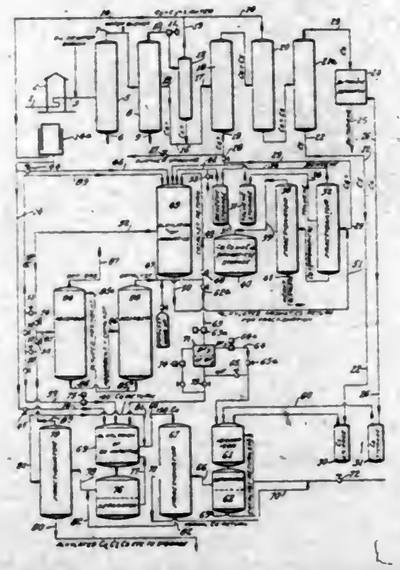


1. A change purse comprising a body portion and a cap, said body portion comprising a back portion and ribs extending laterally therefrom and defining coin channels formed between said ribs, said ribs comprising end ribs and intermediate concave ribs, the end ribs having recesses therein said concave ribs comprising convex exterior surfaces whereby grooves are formed in said body exteriorly of each two adjacent concave ribs, said cap comprising knobs formed therein corresponding in location to said recesses and adapted to compress said concave ribs inwardly when said cap is put in place on said body portion, and means on said cap for engaging the end rib recesses for locking said cap to the body portion.

2,408,752
PREPARATION OF BRANCHED CHAIN HYDROCARBONS
Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 18, 1942, Serial No. 439,543
2 Claims. (Cl. 260—683.5)

1. A process for converting normal to slightly branched hydrocarbons to highly branched isomers by a unitary two-stage process, which comprises subjecting hydrocarbons having 5 to 8 carbon atoms—closely fractionated to contain primarily normal to slightly branched paraffinic hydrocarbons of the same number of carbon atoms—to isomerization with a halide catalyst at a temperature below ordinary temperature to form isomers slightly more branched than said starting hydrocarbons, separating the so-formed slightly branched isomers from the remaining hydrocarbons and subjecting said separated isomers to further isomerization with a halide catalyst at a temperature below ordinary temperature to form more highly branched isomers.

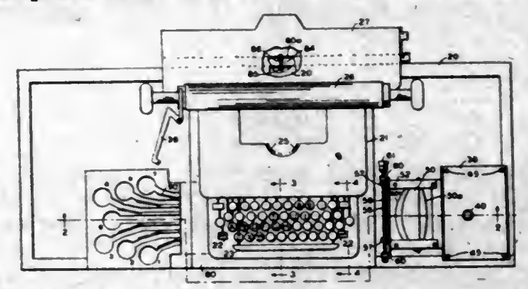
2,408,753
TREATMENT OF HYDROCARBONS
Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application June 22, 1943, Serial No. 491,755
8 Claims. (Cl. 260—671)



1. The process which comprises heating hydrocarbons to a relatively high temperature for a short time to form ethylene and propylene, C_4 and C_5 aliphatic hydrocarbons, and aromatics, separating the C_3 and lighter hydrocarbons containing propylene and ethylene, an aliphatic fraction selected from the group consisting of C_4 hydrocarbons, C_5 hydrocarbons and a mixture thereof and comprising a normal paraffinic hydrocarbon, and a C_6 and heavier hydrocarbon fraction containing aromatics; introducing the propylene and ethylene containing fraction and the aromatics into an alkylation zone and reacting the propylene with at least a part of the aromatics, isomerizing at least part of the normal paraffinic hydrocarbon in the aliphatic fraction, transferring the ethylene from the first alkylation zone and alkylating the isomerized hydrocarbon with the ethylene.

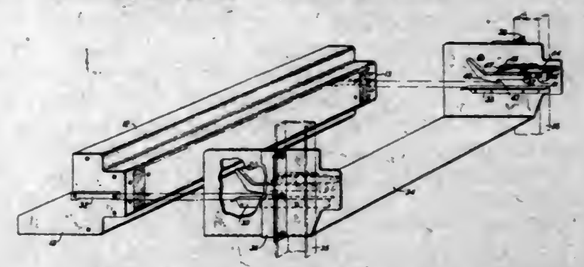
2,408,754
PHOTOELECTRIC TRANSMITTING TYPEWRITER APPARATUS
George L. Bush, Flushing, N. Y., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application July 27, 1944, Serial No. 546,832
17 Claims. (Cl. 178—79)

1. Photoelectric typewriter apparatus for transmitting permutation code signals having marking and spacing codal elements, comprising a typewriter keyboard having an assembly of character key levers, a plurality of photocells respectively corresponding to the codal elements of the permutation signals, means for producing separate light beams passing transversely across said key levers and respectively associated with said photocells for selectively activating the



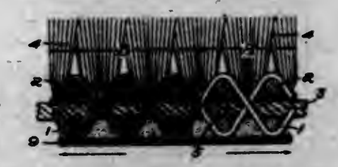
same, coded light shutters projecting from the key levers whereby when a key lever is actuated the light beams are permutably interrupted depending upon the character represented by said key lever, and a plurality of signal generating devices respectively controlled by said photocells for producing marking or spacing pulses depending upon which of said photocells are activated by said light beams.

2,408,755
LATCHING MECHANISM
Harold D. Cahill, Scarsdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 22, 1944, Serial No. 555,358
10 Claims. (Cl. 248—361)



1. In combination, an apparatus mounting tray, an apparatus unit having a home position on said tray, a manually operable latch for locking said unit in its home position in said tray, and means coupled to and controlled by said latch when manually operated to an unlatching position for ejecting said unit from its home position on said tray.

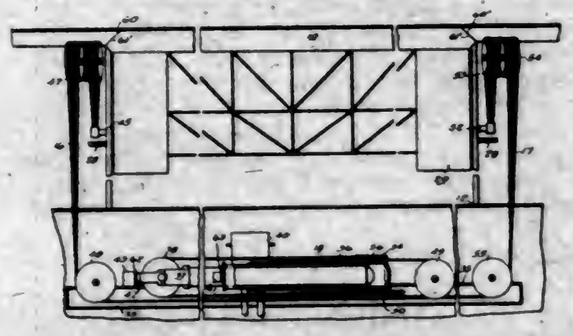
2,408,756
PILE FABRIC MANUFACTURE
James N. Dow, Longmeadow, Mass., and Ara T. Dildilian, Suffield, Conn., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application April 9, 1941, Serial No. 387,694
14 Claims. (Cl. 154—2)



1. The method of manufacturing a pile fabric of extensive area from assembled smaller pieces of fabric which consists in fray proofing the fab-

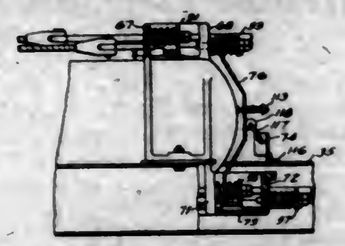
ric by embedding the tufts of the pile loops in a thermoplastic adhesive having a softening point of between 85° C. and 140° C. and composed chiefly of vinyl resin, cutting the pile fabric so fray proofed, assembling a plurality of pieces of the fabric so cut with their cut edges in abutting relation, and securing the abutting edges together with a tape carrying a thermoplastic adhesive composed chiefly of a copolymer of vinyl acetate and vinyl chloride.

2,408,757
ELEVATOR
James Dunlop, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1943, Serial No. 507,132
7 Claims. (Cl. 187—6)



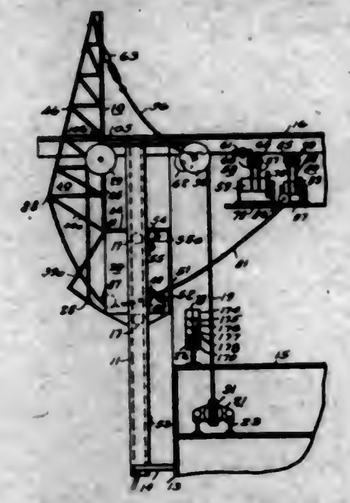
5. An elevator operable between an upper level and a lower level comprising a platform movable on guides, a hydraulic engine having a cylinder and a power plunger therein for operation by hydraulic pressure, a plurality of power sheaves mounted on the outer end of the plunger, two sets of hoisting cables fastened to said platform at opposite sides and extending over the sheaves on the plunger to opposite sides of the cylinder of the engine, a stopping device for said platform at its upper level, and an adjustable stop for stopping the plunger when it moves forward to a position slightly beyond its position corresponding to the upper level position of the platform, whereby a predetermined tension is produced in said hoisting cables when said platform is at floor level in its upper level position.

2,408,758
SAFETY APPARATUS FOR ELEVATORS
James Dunlop, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1943, Serial No. 508,191
7 Claims. (Cl. 187—29)



1. In an elevator, a plotform for serving a lower floor and an upper floor, a plurality of hoisting cables for raising and lowering the platform, an engine for operating the hoisting cables, a hitch box, a hitch rod connected to each cable and slidably mounted in the hitch box, an energy storing device disposed on each hitch rod to store energy when its cable is under tension for moving that hitch rod outwardly upon failure of its cable, a plurality of trip rods slidably mounted approximately parallel to the hitch rods in the hitch box, a yoke connecting the trip rods into an integral structure, an actuator mounted on each hitch rod and responsive to outward movement of that hitch rod for moving the trip rod structure outwardly, and means responsive to outward movement of the trip rod structure for stopping the engine and the platform.

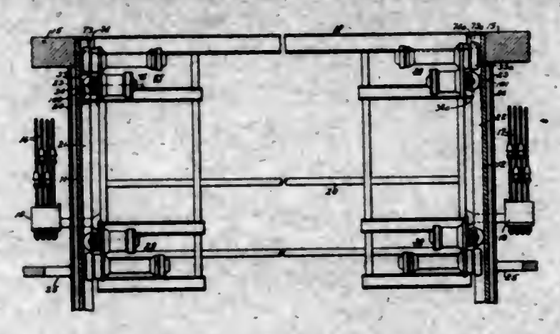
2,408,759
DECK-EDGE ELEVATOR
James Dunlop, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 6, 1943, Serial No. 513,029
19 Claims. (Cl. 187—6)



11. In a deck edge elevator for an upper deck and a lower deck on a ship, a pair of guide rails, an elevator platform for serving the upper deck and the lower deck, said platform having a base platform section disposed on the guide rails and a hinged platform section mounted on the base platform section, a stowing power means for swinging the hinged platform section from its approximately horizontal position to a near vertical position, a plurality of hoisting cables for the base platform section, an engine for operating the hoisting cables in raising and lowering the platform with the hinged platform section in either its horizontal position or its near vertical position, and guides mounted on the upper deck for maintaining the hinged platform section in its near vertical position while it and the base platform section are being raised or lowered as a unit.

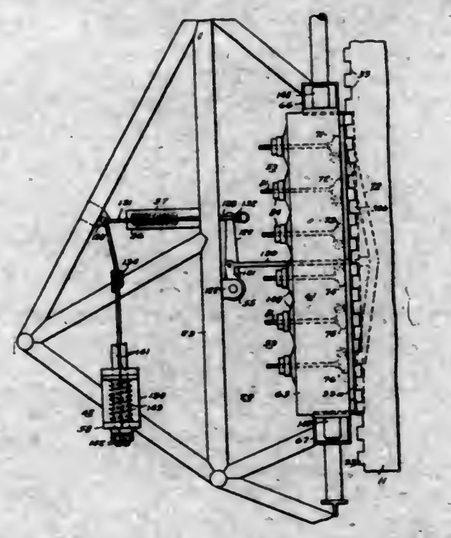
2,408,760
ELEVATOR
James Dunlop, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1943, Serial No. 515,257
9 Claims. (Cl. 187—95)

9. In an elevator for serving a plurality of floors, a pair of guide rails, a platform disposed between the guide rails, a plurality of cables for operating the platform, a guide movably mounted on each end of the platform in position to engage the guide rail thereat for guiding the platform between the guide rails, springs disposed between the guides and the platform for centralizing the platform between the guide rails, means for limiting the rearward movement of each guide to a predetermined distance, and cams disposed



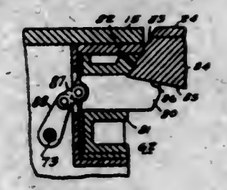
on the guide rails for engaging the guides and forcing them to their rearward limit as the platform arrives at a selected floor to positively centralize the platform at that floor.

2,408,761
SAFETY DEVICE FOR ELEVATORS
James Dunlop, Ridgewood, N. J., and Hans E. Hansen, Westerligh, Staten Island, N. Y., assignors, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 6, 1943, Serial No. 513,030
21 Claims. (Cl. 187—83)



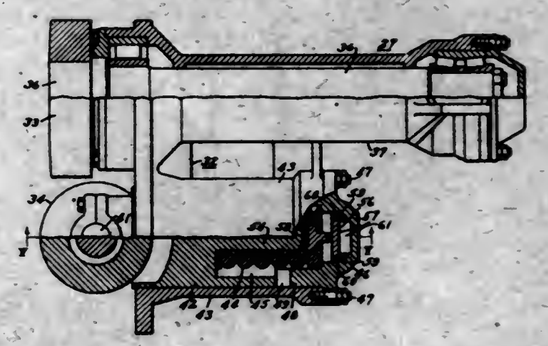
8. In an elevating apparatus, a movable platform, hoisting cables for the platform a safety standard provided with notches disposed adjacent the platform, a safety device mounted on the platform, a plurality of up safety pawls pivotally mounted in the safety device for engaging the notches in the safety standard, said up pawls being fractionally spaced apart with respect to the pitch of the notches in the safety standard, a plurality of down safety pawls pivotally mounted in the safety device for engaging the notches in the safety standard, said down pawls being fractionally spaced apart with respect to the pitch of the notches on the safety standard, means for biasing the pawls toward engagement with the notches in the safety standard, and means responsive to intact condition of the hoisting cables for preventing the pawls from engaging the safety standards and responsive to failure of the hoisting cables for releasing the pawls into engagement with the safety standard to stop the platform.

2,408,762
LOCKING APPARATUS FOR ELEVATOR PLATFORMS
James Dunlop, Ridgewood, and Lennie R. Rissler, Hohokus, N. J., assignors, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 16, 1943, Serial No. 514,520
20 Claims. (Cl. 187—75)



1. In an elevator, a platform for serving a parking floor, a hoisting engine for operating the platform, a stop device on the floor for each end of the platform, to limit its upward movement, a wedging lock at each end of the platform for wedging and locking the platform tightly against the stopping devices on the parking floor, a locking engine for locking and unlocking the locks, and means for causing the locking engine to exert a continuous pressure on the wedging locks while they are in their locking position and thereby constantly maintain the platform tightly against the parking floor.

2,408,763
ELEVATOR
James Dunlop, Ridgewood, and Lennie R. Rissler, Hohokus, N. J., assignors, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 29, 1943, Serial No. 516,046
10 Claims. (Cl. 187—95)

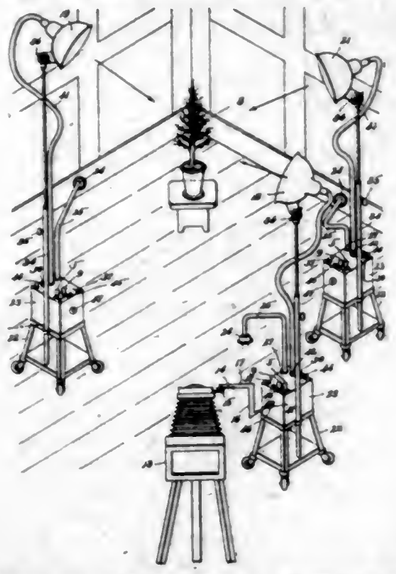


1. A guide shoe for a platform comprising a housing, an end guide member slidably disposed in the housing, means for biasing the guide member outwardly, and a bar seated across a pair of shoulders in the rear of the housing for limiting the inward movement of the guide member, said bar having a predetermined failure point at which it will be deflected upon the application of a predetermined inward pressure by the guide member.

2,408,764
HIGH-SPEED FLASH-PHOTOGRAPHY
Harold E. Edgerton, Belmont, Mass.
Application June 14, 1940, Serial No. 340,580
44 Claims. (Cl. 240—2)

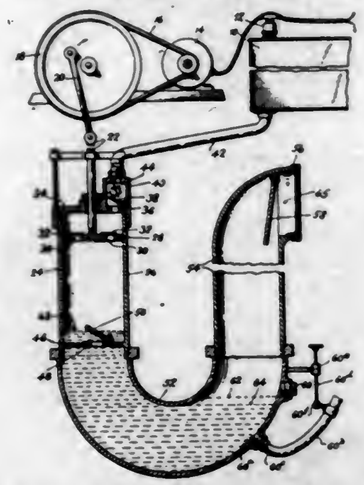
4. Apparatus of the character described for photographing an object having, in combination, a plurality of widely spaced flash-lamps that are unconnected by electric wiring for producing flashes to illuminate the object, a camera having

a shutter, means controlled by the shutter for flashing one of the lamps, and means controlled



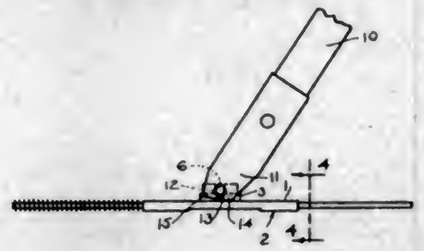
by the flashing of the said one lamp for flashing the other lamps.

2,408,765
AIR COMPRESSOR
John E. Erickson, Phoenix, Ariz.
Application January 29, 1944, Serial No. 520,281
2 Claims. (Cl. 230—18)



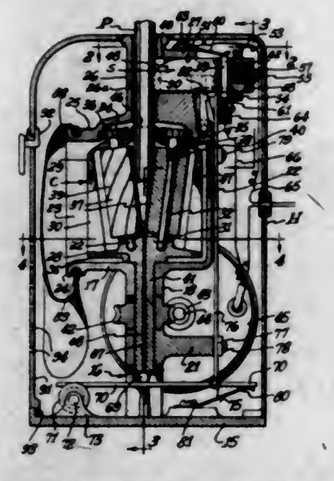
1. An apparatus of the character described comprising a U-shaped conduit, an upstanding supply conduit connected to one end of said U-shaped conduit and having a valve controlled inlet port, an upstanding pump cylinder connected to the other end of said U-shaped conduit and having an inlet in its bottom end wall, an upwardly opening check valve controlling the passage of fluid through the pump inlet, a piston mounted to reciprocate in the cylinder having a plurality of ports therethrough, downwardly seating check valves mounted on the piston, crank mechanism for actuating the piston, a chamber on the top end wall of the cylinder communicating with the latter through an outlet port, said chamber having a discharge port connecting with a receiver, and an outwardly opening check valve controlling the passage of fluid through said outlet port, said U-shaped conduit being adapted to contain liquid to a level above the inlet port of the pump and at a lower level in the supply end suitable to draw gaseous fluid through the pump inlet and liquid seal the piston and the valve of the pump.

2,408,766
DUST MOP
Conrad Fatland, Chicago, Ill.
Application July 12, 1943, Serial No. 494,427
6 Claims. (Cl. 306—3)



1. In a mop, a mop supporting head, a circular collar fixed in a vertical position to the central portion of the head, a handle rotatably mounted on the collar, a pivot connected with and positioned transversely of the end of the handle, a plurality of notches in the face of said collar adapted to engage the pivot and spring means for normally urging the pivot and notches into cooperation.

2,408,767
PENCIL SHARPENER
Robert B. Fleming, Huntington Park, Calif., assignor to Bert M. Morris Co., Los Angeles, Calif., a firm
Application June 10, 1944, Serial No. 539,615
9 Claims. (Cl. 120—96)



1. In a pencil sharpener; an air blower having a rotor; sharpening elements carried by said rotor; and an air inlet tube leading into said rotor and through which a pencil may be extended between said elements for sharpening.

2,408,768
QUARTZ CRYSTAL HOLDER
Joseph E. Fox, Neil A. Nelson, and William S. Quincy, Jr., Dayton, Ohio
Application June 5, 1944, Serial No. 538,798
4 Claims. (Cl. 171—327)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A crystal holder comprising a base provided with plug-in terminals, contact plates carried by said base and connected with said terminals, said plates having inwardly and upwardly inclined flanges and lower inwardly and perpendicularly directed flanges, a chase adapted to be mounted between said contact plates and between the flanges thereof, a spring adapted to be compressed between one of said contact plates and the adjacent electrode plate, a moistureproof housing adapted to slip over and receive said con-

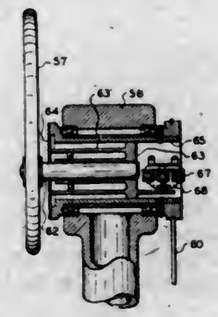


tact plates and chase and to maintain compression of said spring, and means for securing said base and housing in moistureproof assembled relation.

2,408,769
METHOD OF PRODUCING SOLUTIONS OF CHLORIDES OF POLYVINYL
Maurice Louis Auguste Fluchaire, Lyon, France; vested in the Alien Property Custodian
No Drawing. Application April 15, 1941, Serial No. 388,644. In France April 15, 1940
6 Claims. (Cl. 260—32)

6. A new industrial product comprising a solution of chloride of polyvinyl in a member of the group consisting of cyclopentanone and methyl-cyclopentanone.

2,408,770
ELECTROHYDRAULIC CONTROL SYSTEM
Carl A. Frische, Great Neck, George P. Bentley, Garden City, and Percy Halpert, Kew Gardens, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 19, 1942, Serial No. 466,208
6 Claims. (Cl. 244—83)

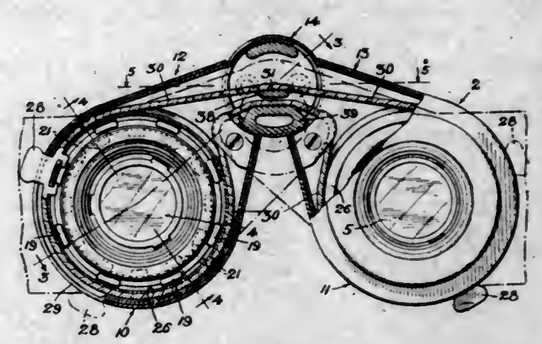


1. In a system of the character described, the combination of, a control column mounted to move about a first axis, a wheel mounted on said column to move about a second axis, a manually operable member for moving said wheel and column about the respective axes thereof, an elastic sleeve connecting said wheel and member, an elastic diaphragm connecting said column and member, a first pick-off carried by said column for measuring stretch in said sleeve, and a second pick-off carried by said column for measuring stretch in said diaphragm.

2,408,771
AUSTENITIC CHROMIUM-NICKEL-IRON ALLOY
Howard M. German, East Orange, N. J., assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application January 1, 1944, Serial No. 516,665
6 Claims. (Cl. 75—128)

1. An austenitic chromium-nickel-iron alloy having high creep resistance at temperatures up to 1800° F. comprising substantially 35% nickel, substantially 15% chromium, 0.5 to 3.0% titanium, 0.5 to 3.5% of a metal from the group consisting of molybdenum and tungsten, 1.10 to 1.70% silicon, 0.75 to 2.0% manganese, 0.30 to 0.80% carbon, balance substantially all iron.

2,408,772
VARIABLE DENSITY FILTER ATTACHMENT FOR BINOCULARS
Charles J. Glasser, Chicago, Ill.
Application February 11, 1944, Serial No. 521,899
7 Claims. (Cl. 88—34)

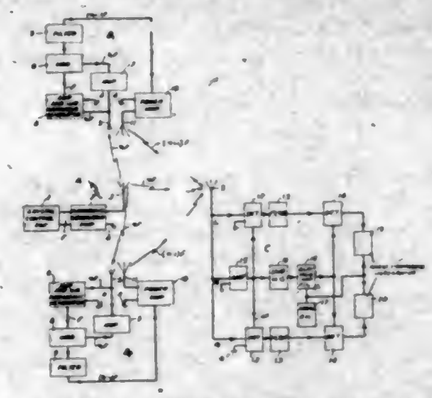


1. The combination with a pair of binoculars including two barrels connected to swing about a common axis for adjustment toward and from each other, of a polarizing lens set comprising two pairs of polarized lenses, one pair for each barrel and detachably connected with respect thereto mounted to swing about said axis with the barrel, the two lenses of each pair being juxtaposed, one lens being rotarily adjustable with respect to the other, and transmission means between said adjustable lenses whereby rotarily adjusting one lens of one pair will cause a corresponding rotary adjustment of a lens of the other pair, the connection between the barrels comprising a pair of hinge members, the mounting for the polarized lenses comprising a second pair of hinge members secured to said pairs of lenses, respectively, said hinge members having provisions to enable the axes of said hinge members to be offset with respect to each other when the lenses are mounted on the barrels whereby the lens set may be used selectively with different binoculars having different lengths of hinge members.

2,408,773
POSITION DETERMINING SYSTEM
William M. Goodall, Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1942, Serial No. 436,995
10 Claims. (Cl. 250—11)

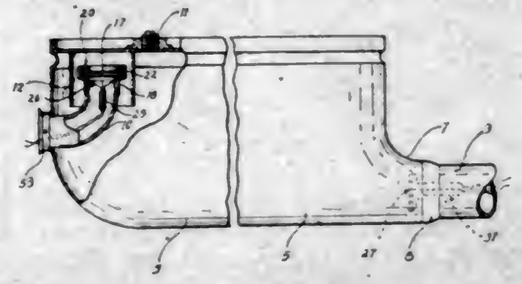
1. In a phase integration position determining system, means for transmitting from two spaced geographical points waves of different frequencies, means at a mobile body for securing a reference current having a constant phase angle and for obtaining from said waves a signal

current having a phase angle variation dependent upon only the difference in the distances of



said body to said points, and a phase integrator at said mobile body for comparing said currents.

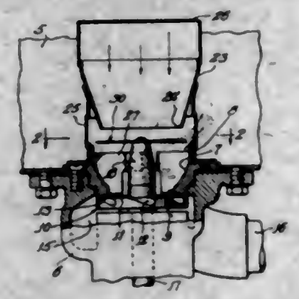
2,408,774
SPRAY TANK FOR DISPERSING FLUIDS FROM AIRCRAFT
Rupert Goddard, Havre de Grace, and Fleming R. Weaver, Edgewood Arsenal, Md.
Application April 24, 1942, Serial No. 440,388
4 Claims. (Cl. 244—134)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A liquid spray device for airplanes comprising a jettisonable storage tank for the liquid to be dispersed and adapted to be mounted on the airplane, an internally positioned vent tube opening at one end thereof to the atmosphere through the wall of the tank whereby positive pressure is produced for discharging the contents of the tank and at an opposite end opening into the tank, a discharge line extending from the tank, destructible closure elements for the vent tube and discharge line respectively, and detonating instrumentalities disposed in proximity to each of the respective closures for removing them, each of said instrumentalities having electrical control wires extending therefrom for operation by remote control.

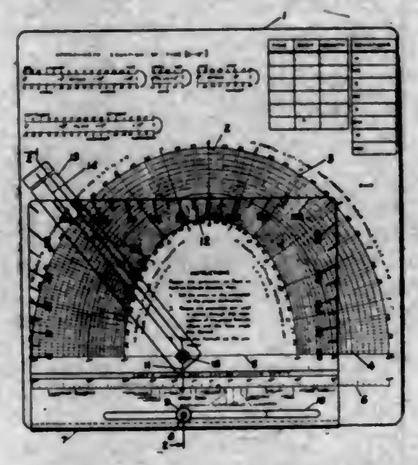
2,408,775
BOOSTER PUMP
Robert P. Greenwood, Youngstown, Ohio, assignor to Pesco Products Co., a corporation of Ohio
Application October 14, 1943, Serial No. 506,165
14 Claims. (Cl. 103—113)

1. In a centrifugal pump, a housing having an impeller chamber; a centrifugal impeller rotatable in said chamber, a fluid inlet throat communicating with said chamber forwardly of said impeller; a fluid guide for directing fluid to said inlet; and a beater interposed between said inlet throat and said fluid guide, said beater being arranged coaxially with said impeller for rotation in a plane normal to the axis of rotation of the impeller and consisting of an unpitched member having leading edges and trailing edges conformed and arranged to operate so that rotation of the beater about said axis will cause bubbles of vapor to be generated from fluid directed by said guide to said throat without directly accel-



erating the speed of the fluid in the direction of the said axis, the trailing edges of said beater being adapted to collect vapor bubbles along the same and move the bubbles radially to the tips of the beater to be ejected therefrom into a zone outside the influence of the fluid guide.

2,408,776
AZIMUTH COMPUTER
Joseph Hilsenrath and Samuel Globe, United States Navy
Application March 20, 1945, Serial No. 583,823
13 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

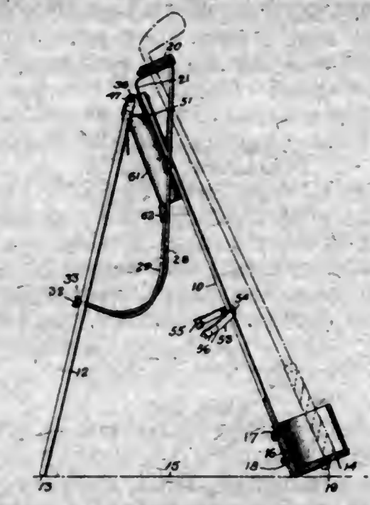


1. In an azimuth computer, a base member comprising a grid composed of confocal hour angle hyperbolas and latitude ellipses, said base member having a plurality of bearing surfaces parallel to the minor axis of the ellipses, a protractor member mounted on the base member, said protractor member having means cooperating with and engaging said bearing surfaces, whereby said protractor member is slidably but non-rotatably moveable parallel to said minor axis.

2,408,777
TRIPOD GOLF BAG
Newton D. Holbrook, Thomaston, Conn.
Application November 12, 1943, Serial No. 510,069
4 Claims. (Cl. 150—1.5)

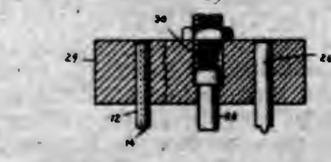
1. In a tripod golf bag, a main leg having a cup-shaped club handle receptacle at the lower end thereof, a pair of swinging legs pivoted to said main leg at the upper portion thereof, spring means pressing said swinging legs outwardly at all times, and a pair of triangular angle plates arranged in vertical diverging planes secured to said

main leg and having stop wings on their opposite edges for confining the upper end of said swinging



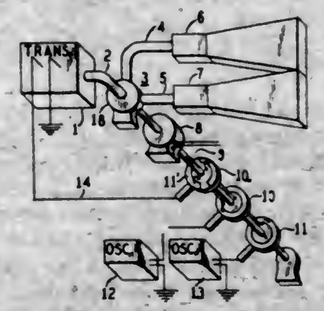
legs so as to limit the movement of said swinging legs away from said main member.

2,408,778
METHOD OF MAKING COMBS FROM SHEET STOCK
William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application December 30, 1943, Serial No. 516,171
3 Claims. (Cl. 113—116)



1. The method of making a comb from sheet stock, which comprises feeding the stock with a step by step movement, removing a portion of the stock at each period of rest of the feed to define the opposed edges of two adjacent teeth and the edge of a connecting portion, temporarily raising the stock out of its normal plane of travel to provide slack, and forming a crimp in the slackened stock between each pair of teeth successively to draw the teeth closer together.

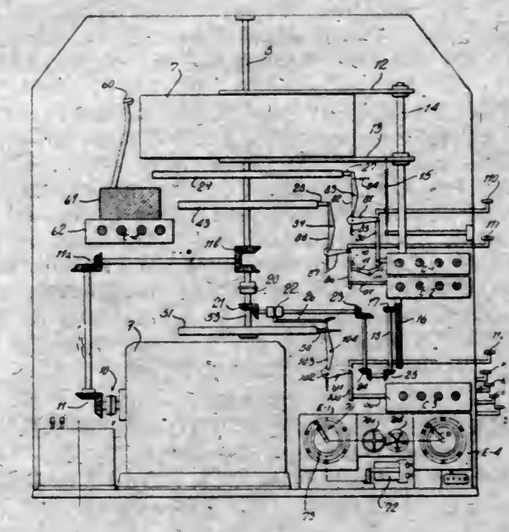
2,408,779
HIGH-FREQUENCY COAXIAL DISTRIBUTOR AND SYSTEM
Frederic A. Jenks, Mineola, and Donald F. Folland, Hempstead, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 27, 1940, Serial No. 367,330
12 Claims. (Cl. 250—11)



1. In apparatus of the character described, a distributor comprising a casing, a co-axial supply line connected to said casing for supplying high frequency energy, a plurality of co-axial load lines connected to said casing for receiving high frequency energy passing therethrough from said supply line, separately movable contact means within said casing for connecting said supply line to each of said load lines, and motor driven cam means for intermittently actuating said movable contact means to effect intermittent supply of high frequency energy to said co-axial load lines.

10. In the method of transferring the flow of modulated radio-frequency carrier energy from a first path to a second path, the steps comprising in the following order, discontinuing the modulation of said carrier energy, directing said carrier energy to flow along said second path, discontinuing the flow of said carrier energy to said first path, and thereupon again modulating said carrier energy.

2,408,780
METEOROLOGICAL RECORDING METHOD AND APPARATUS
Chung-Chin Kao, New York, N. Y.
Application April 5, 1944, Serial No. 529,690
18 Claims. (Cl. 178—34)

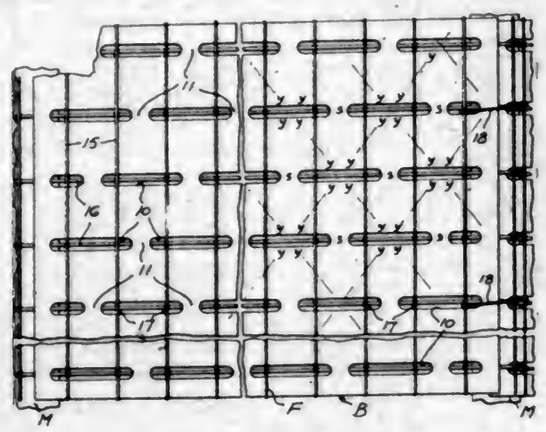


1. In a machine of the character described, a type face drum having a large number of type faces on the periphery thereof each type face comprising a plurality of separate intelligence bearing elements, said drum being mounted for rotary and axial movement; first, second and third digit selector means each including permutation-control mechanism; and means responsive to the settings of said permutation control mechanisms to position the drum with a selected type face in registry with a printing point.

2,408,781
LATHING
Albert C. Karelius, Altadena, Calif.
Application February 12, 1945, Serial No. 577,507
9 Claims. (Cl. 72—116)

1. Lathing of the class described comprising: a backing member of flexible sheet material having elongated openings spaced end to end in parallel rows to leave relatively narrow webs of backing sheet material between the ends of the openings; the openings of each row being staggered with respect to the openings of adjacent rows; a metal reinforcing fabric having wires spanning said openings longitudinally thereof on one side of the member, and having other wires

spanning all openings of all rows transversely thereof on the other side of the member; and

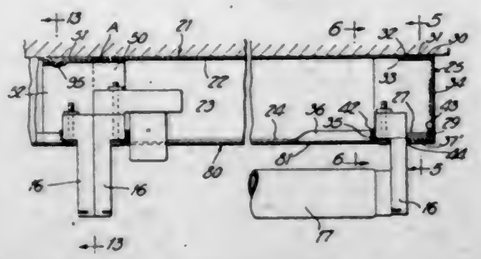


means permanently securing said wires together at their intersections in said openings.

2,408,782
METHOD OF MAKING A VARNISH
Louis René Joseph Kientz, Paris, France; vested in the Alien Property Custodian
No Drawing. Application February 26, 1942, Serial No. 432,484. In France March 26, 1941
4 Claims. (Cl. 260—30)

1. The method of making a baking varnish which comprises resinifying 250 grams of phenol and 200 grams of formaldehyde 40% solution with heat in the presence of the product of fifty grams of 20% ammonia and three grams of tartaric acid, decanting the resin, diluting it with a mixture of acetone and butanol and mixing it with a solution of 90 grams of coumarone resin of 80–81° C. fusion point, in 250 grams of benzene.

2,408,783
EXTENSIBLE LIGHTING FIXTURE
Irving I. Kloner, Brooklyn, N. Y.
Application December 7, 1943, Serial No. 513,209
9 Claims. (Cl. 240—1)



9. An extensible lighting fixture comprising a plurality of housing units disposed in end to end relation, each unit including a channel member, the channel members being open at their meeting ends, individual means for connecting the open ends of the channel members together, each of said individual means comprising a channel coupling member fixed to the end of one of said channel members in telescoping engagement with the open end of the adjacent channel member, a central channel provided in the channel coupling member, a boss provided on the telescoping portion of the channel member and being seated in said channel, a screw threadedly passing through said boss and channel for fixedly securing the telescoping parts together, and lamp socket supporting means carried by said housing units and by the channel coupling member.

2,408,784
ANHYDROUS MONOFLUOROPHOSPHORIC ACID AND METHOD OF PRODUCING IT
Willy Lange and Ralph Livingston, Cincinnati, Ohio, assignors, by direct and mesne assignments, to Ozark Chemical Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application March 11, 1943, Serial No. 478,838
6 Claims. (Cl. 23—139)

5. As a new article of manufacture, anhydrous monofluorophosphoric acid having the formula H_2PO_3F, being a clear, oily liquid substantially colorless and odorless, of a density of about 1.82 at 25° C. and containing about 31% P and about 19% F.

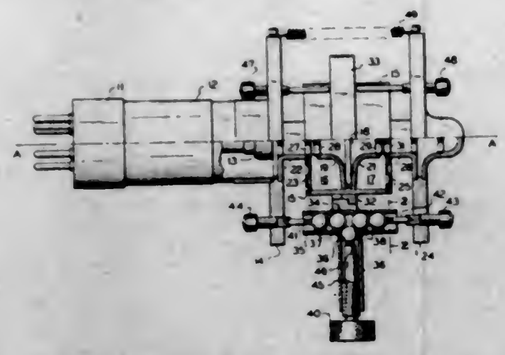
2,408,785
METHOD OF PRODUCTION OF ANHYDROUS MONOFLUOROPHOSPHORIC ACID
Willy Lange, Cincinnati, Ohio, assignor, by direct and mesne assignments, to Ozark Chemical Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application June 28, 1944, Serial No. 542,603
18 Claims. (Cl. 23—139)

1. In a method of producing anhydrous monofluorophosphoric acid, the steps of mixing phosphorus pentoxide and hydrofluoric acid of any HF concentration between about 69% and 100% inclusive according to the equation

$$P_2O_5+(2+X)\,HF+(1-X)\,H_2O=X.HPO_2F_2+(2-X)\,H_2PO_3F$$

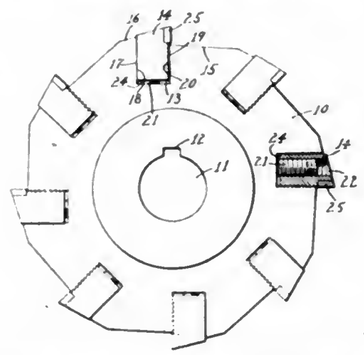
in which X has any value in the range from 0 to 1 inclusive, and maintaining the mixture in the presence of heat and under conditions preventing the escape of any products of the reaction until the latter goes to completion according to said equation.

2,408,786
TUNING MECHANISM
Anthony J. Lombardi, Floral Park, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 15, 1943, Serial No. 476,011
5 Claims. (Cl. 178—44)



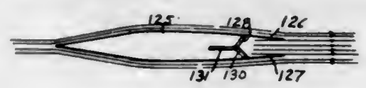
1. In a fine adjustment mechanism for gang tuning electronic devices and the like, a support having a cylindrical axial bore, a rod mounted in said bore for adjustment axially of said bore, a slidable spherical ball in said bore adapted to be displaced by adjustment of said rod, opposed radial bores in said support and opening into said axial bore, a spherical ball slidable in each of said radial bores, each of said balls being of substantially the same diameter as its respective bore with the balls in said radial bores being substantially smaller than and adapted to contact said first ball, the size differential between the balls in the radial bore and the ball in the axial bore tending to ensure that the latter-named ball is confined to the axial bore during its operative travel, and means for adjusting said rod to effect simultaneous outward displacement of the balls in said radial bores.

2,408,787
INSERTED TOOTH MILLING CUTTER
Edward O. Lowell, South Pasadena, Calif., assignor, by mesne assignments, to Lowell and Grayson Manufacturing Company, Monrovia, Calif., a corporation of California
Application July 8, 1943, Serial No. 493,815
5 Claims. (Cl. 29—105)



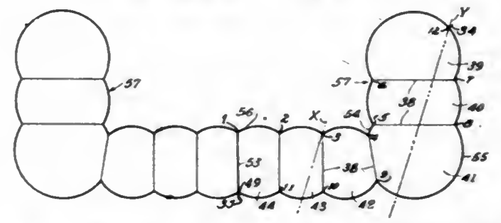
5. A milling cutter of the inserted tooth type, comprising a body member having substantially radial transverse slots, cutter insert members disposed in and closely fitting said slots, said cutter members having wedge-shaped serrations transversely in the front face thereof for adjustable slidable engagement in complementary serrations provided generally longitudinally of the axis of rotation of the body in the front wall of the slots adapted to be wedgingly engaged upon slight substantially radial movement of the cutter members relative to the body member, the back wall of the slots and the abutting back face of the cutter members being flat and parallel to the plane of the front wall of the slots and means for forcing the cutter members substantially radially outwardly with respect to said body member to cause wedging engagement of the aforesaid serrations, whereby to secure the cutter members in substantially immovable position.

2,408,788
AIRFOIL
Charles Townsend Ludington, Ardmore, Pa., and Roger W. Griswold, II, Old Lyme, Conn.
Application June 16, 1939, Serial No. 279,416
1 Claim. (Cl. 170—172)



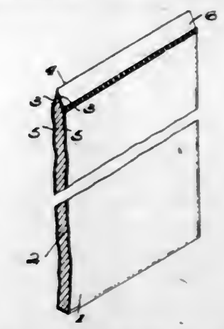
An airfoil for rotor use comprising a blade the tip end region only of which has a wedge-shaped entering edge and an open trailing edge, intake means on the blade spaced hubwardly from the tip, and the whole so arranged that air is drawn into the intake and centrifugally flung outwardly and rearwardly of the tip end only to minimize drag at critical compressibility speeds attained by said tip, means controlling the open trailing edge and responsive to blade movement to regulate the said open trailing edge.

2,408,789
INFLATABLE BOAT AND METHOD OF MAKING SAME
August G. Luisada, New York, N. Y.
Application March 11, 1942, Serial No. 434,241
29 Claims. (Cl. 9—2)



1. An inflatable boat having bottom and sides comprising two joined symmetrical units, each unit comprising two superimposed sheets of fabric of predetermined elongated shape, and enveloped between two layers of air-impervious material which are united at their edges to form the unit, one layer constituting the ultimate outside and the other the ultimate inside of half of a finished boat, interconnecting means extending between the sheets from the sheet adjacent the outside layer toward the sheet adjacent the inside layer in a direction inwardly from the longitudinal edges of the layers so that the interconnections form compartments between the sheets, the intermediate compartment which has converging interconnections forming the ultimate chine of the boat, said units being united along a substantial area adjacent the contiguous edges from end to end along the keel line to form a complete boat.

2,408,790
RAZOR BLADE AND OTHER CUTTING TOOLS
Edward L. Mack, New York, N. Y.
Application May 16, 1944, Serial No. 535,861
14 Claims. (Cl. 76—104)

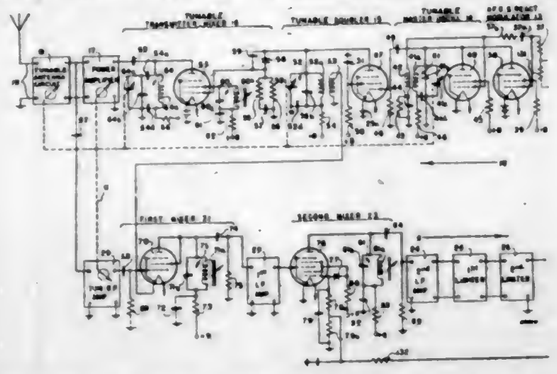


5. The method of making a cutting tool which includes the steps of forming a blank having at least one edge basically composed of aluminum, forming a bevel along at least one side of the blank at said edge, rendering the edge of the bevel and at least the surface adjacent thereto on at least one face harder than the body material of the blank by oxidizing the said edge and said surface, and then sharpening the hardened edge.

2,408,791
RADIO COMMUNICATION SYSTEM
Henry Magnuski, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application June 21, 1943, Serial No. 491,651
9 Claims. (Cl. 250—13)

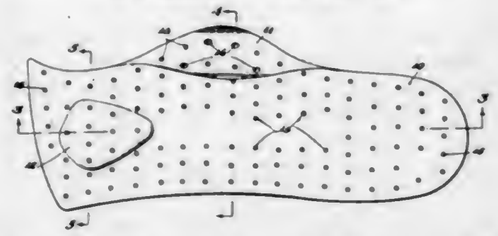
1. In a frequency modulated radio transmitting and receiving system which includes means for selectively conditioning the system for signal

transmission or reception, a receiving channel including a mixer stage followed by an intermediate frequency section, a transmission channel including a carrier producing oscillator coupled to said mixer stage to operate as a local oscillator during signal reception, and inversely acting means coupled between said intermediate



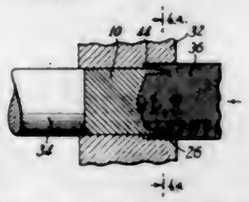
frequency channel and said oscillator for automatically controlling the output frequency of said oscillator to hold substantially constant the center frequency of a frequency modulated carrier transmitted through the intermediate frequency section of said receiving channel during signal reception.

2,408,792
ARCH SUPPORT
Meyer Margolin, Elgin, Ill.
Original application August 17, 1939, Serial No. 290,559. Divided and this application January 1, 1943, Serial No. 470,994
5 Claims. (Cl. 36—3)



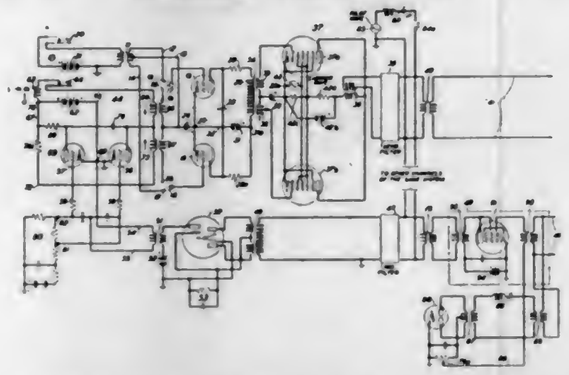
4. An arch support comprising a molded expanded rubber, a sidewardly and upwardly extending integral lap, perforations through said arch support, and transverse grooves across the bottom of said arch support, said grooves having terminating walls at each end so as to cause air to be pumped up through said perforations.

2,408,793
MANUFACTURE OF NUTS AND THE LIKE
Veyne V. Mason, Scotch Plains, N. J., assignor to Elastic Stop Nut Corporation, Union, N. J., a corporation of New Jersey
Application February 6, 1943, Serial No. 474,931
17 Claims. (Cl. 10—85)



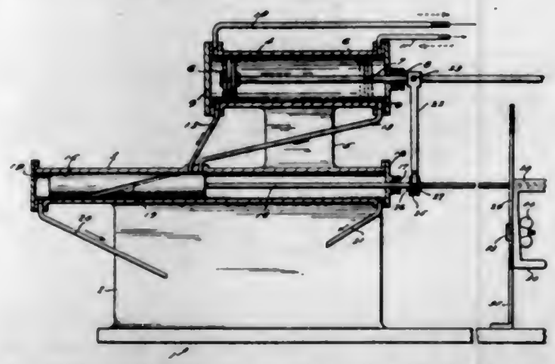
6. For the manufacture of forged metal nut blanks, a die having a circular bore, a cooperating backing punch arranged to enter and fill one end of said bore and back a blank therein and a cooperating forming punch adapted to enter the opposite end of said die, said forming punch having an annular groove in its working end, the inner wall of said groove being substantially cylindrical and the outer wall thereof tapering inwardly from a diameter at the working end of the punch equal to at least the diameter of a blank held in the die bore.

2,408,794
CARRIER WAVE SIGNAL SYSTEM
Andrew L. Matte, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1942, Serial No. 462,756
4 Claims. (Cl. 178—66)



1. An alternating current signal transmission system comprising a source of alternating current, a transmission channel therefor, means for preventing the transmission of alternating current from said source to said channel at all times except when intelligence is being sent, means for producing voltages indicative of mark-to-space and space-to-mark transitions to identify the beginnings and endings of marking and spacing signal elements, and means controlled by said voltages to transmit impulses of alternating current from said source to said channel, said last means including means for causing the transmission of alternating current impulses of successively different amplitudes.

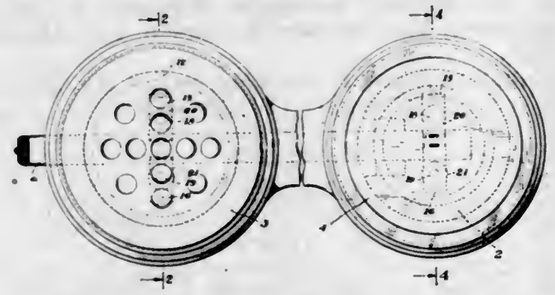
2,408,795
CONTROL MEANS FOR FLUID PRESSURE MOTORS
John F. McGlone, San Diego, Calif.
Application March 22, 1944, Serial No. 527,563
1 Claim. (Cl. 121—41)



In combination, a double-acting fluid pressure motor comprising a power cylinder having a power piston therein, a rod connected to said power piston and extending through one end of said power cylinder, a pipe for the inlet or outlet of pressure fluid at each end of said power cylinder, and means to vary the stroke of said power piston including a control cylinder, a rotatably

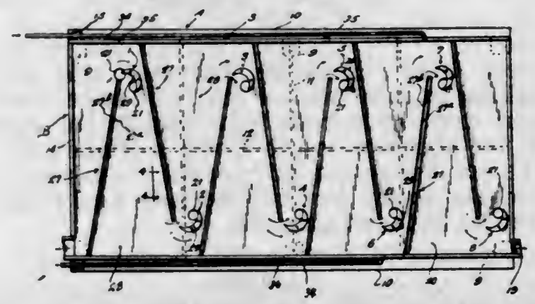
adjustable elongated control piston valve reciprocable in said control cylinder, means connecting said control piston valve to the power piston for travel therewith in the same direction, said control piston valve having a longitudinal diagonally disposed groove therein, said groove being closed at one end of the control piston valve and open at the other end thereof, exhaust conduits connecting the ends of the power cylinder with the intermediate portion of the control cylinder, and means to rotatably adjust said control piston valve to vary the point of registry of the exhaust conduits with said groove, said control cylinder having a vent at one end and a fluid outlet at the other end in constant communication with the open end of said groove.

2,408,796
TELEPHONE INSTRUMENT
Ernest S. McLarn, Manhasset, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 29, 1944, Serial No. 547,171
10 Claims. (Cl. 179—101)



1. A telephone instrument comprising a transducer capsule having two electrode terminals, a detachable member shaped at one end to fit on to the back of said transducer capsule, a pair of connectors each having at least one sharp projecting prong, means for locating said connectors on the other end of said member and electrical connecting means between said connectors and said respective electrode terminals.

2,408,797
ORE CONCENTRATING TABLE
Erwin R. McPheters, Boise, Idaho
Application February 1, 1944, Serial No. 520,669
4 Claims. (Cl. 209—458)

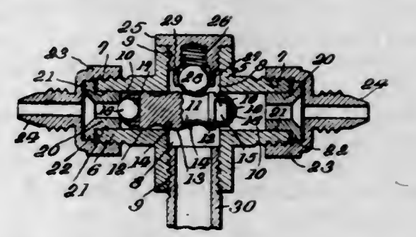


1. In a concentrator and separator table unit for ore-pulp, a base plate, a transversely arranged divider partition on said plate extending from one side wall and terminating in spaced relation from the other side wall, a second divider partition extending from the last-named side wall and having its free end portion terminating in spaced relation to the first-named side wall, a discharge hole in the plate between the free outer end of the first-named partitioning divider and adjacent intermediate portion of the second divider, and a pivotally mounted manually adjusted regulator and deflector element on the plate having one end cooperable with the adjacent free end of the first-named divider and its opposite end overlapping and cooperable with the discharge opening.

2,408,798
ALKYLATION OF MIXED OLEFINS
Richard N. Meinert, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 4, 1943, Serial No. 497,390
9 Claims. (Cl. 260—683.4)

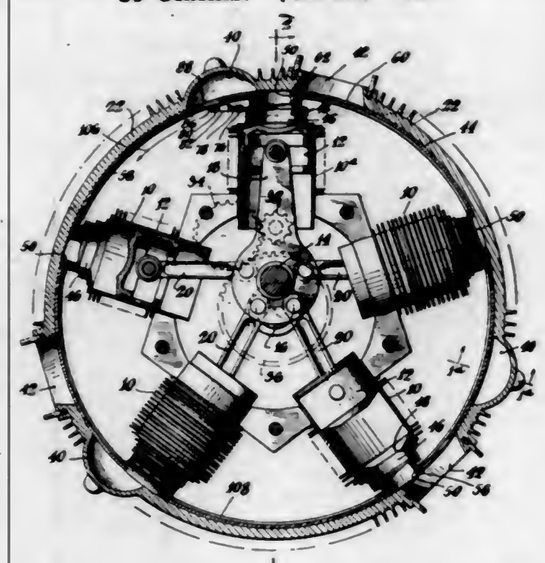
1. A process for alkylating an isoparaffin with a mixture of different olefins which comprises adding the mixed olefin feed to a mixture of isoparaffin and an $AlCl_3$-hydrocarbon complex catalyst prepared by agitating, prior to the alkylation reaction proper, a suspension of $AlCl_3$ in an isoparaffin while adding an olefin in small increments until a dark reddish brown mobile liquid catalyst consisting of an aluminum chloride-hydrocarbon complex catalyst is formed, and maintaining alkylating conditions of temperature and pressure which are optimum for that component of said mixture of olefins which is the most difficult to alkylate.

2,408,799
SHUTTLE VALVE
Joseph F. Melichar, Cleveland, Ohio,,assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application January 30, 1943, Serial No. 474,155
2 Claims. (Cl. 251—118)



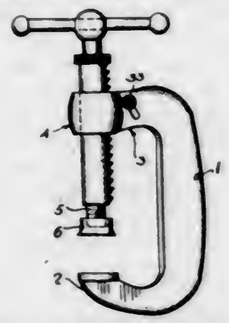
2. A shuttle valve having a generally cruciform casing presenting an elongated main body and two leg extensions axially aligned with their common axis disposed in right angular relation to the longitudinal center of said main body, said main body having a straight through bore centrally longitudinally thereof and forming a plug chamber at one end and a service port at its other end, said leg extensions having a straight through bore axially thereof and intersecting the firstmentioned bore, a valve seat in each leg extension bore portion, a shuttle valve element slide guided at its ends in said leg bore portions and having provision for alternately engaging and closing one seat and disengaging and opening the other seat, and detent means in the plug chamber engageable with the valve element for yieldably retaining the valve element in one or the other of its shifted positions, said valve element having clearances at each end thereof for opening communication about the unseated end of the valve element and between the service port and the leg bore portion in which said unseated end is guided, the valve element and detent means being so constructed and arranged that communication at an end of the shuttle is opened only after the communication at the other end of the shuttle is closed and after the detent has passed the center of the shuttle.

2,408,800
ENGINE
André J. Meyer, Lexington, Ky., assignor to Mawen Motor Corporation, New York, N. Y., a corporation of Delaware
Application February 20, 1940, Serial No. 319,851
39 Claims. (Cl. 123—44)



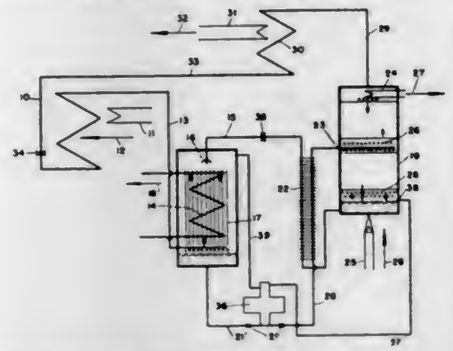
1. In combination, a ported valve member and a structure providing a ported working chamber, said valve member and said structure being mounted for relative movement with respect to each other, a hollow sealing element carried by said structure and having an end sealing surface in sliding contact with said valve member to provide a seal for fluid flowing through said ports, said sealing element being subjected to force tending to move it outwardly relative to said structure into pressure contact with said valve member, and said end sealing surface being shaped and located to have its center of gravity ahead of the center of pressure of the force tending to move the element into contact with the valve member, when considered in the direction of relative movement of said structure with respect to the valve member.

2,408,801
"C" CLAMP
Albert W. Miller, Jamaica, N. Y.
Application July 7, 1943, Serial No. 493,695
2 Claims. (Cl. 144—305)



1. A clamp including a C-shaped frame, a jaw formed in one end portion of said frame, a bore in the opposite end portion of said frame adapted to receive movable clamping means, said means including a sleeve slidable in said bore and a clamping screw traversing said sleeve and secured to the same by means of screw threads, the exterior wall of said sleeve being provided with a plurality of toothed serrations, a wedge-shaped cavity in said opposite end of said frame, a pawl, having a plurality of toothed serrations, which is similar in shape to said cavity but of smaller dimensions, mounted within the same so as to remain free for axial and lateral movement with respect to said sleeve, a resilient means urging said pawl into engagement with said sleeve, said pawl being adapted to permit axial displacement of said sleeve toward said jaw and to oppose a displacement in the opposite direction, and being further adapted to be firmly wedged between said sleeve and the tapered wall of said cavity when a force is tending to push said sleeve away from said jaw whereby a proportional part of the force acting on said sleeve in the axial direction is translated into a radial component causing said pawl to engage said toothed serrations the more firmly the higher the value of said force, while simultaneously forcing said sleeve against the wall of said bore, and means operable from the outside to release said pawl to permit axial displacement of said sleeve away from said jaw when said sleeve is free of a clamping force.

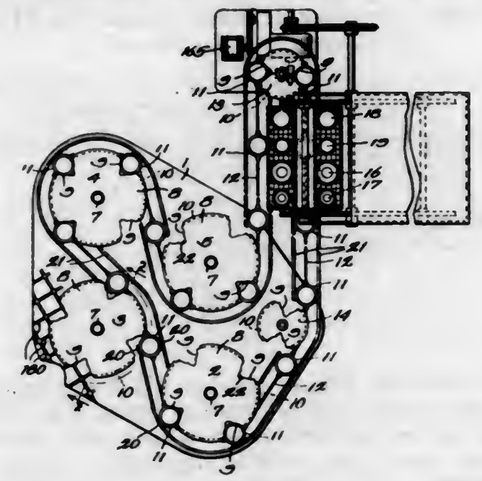
2,408,802
ABSORPTION REFRIGERATION CYCLE
Glen W. Miller, Glendale, Edward L. Kells, Montrose, and Delmar H. Larsen, Los Angeles, Calif.
Application January 15, 1940, Serial No. 313,858
9 Claims. (Cl. 62—119)



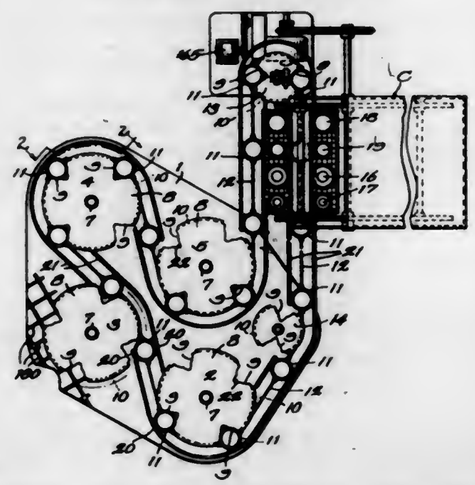
9. An absorption refrigerating apparatus comprising, in combination, an evaporator, an absorber connected to receive refrigerant therefrom, a fractionating tower, means including a conduit and a pump for delivering solvent and absorbed refrigerant from the absorber to the tower, means for actuating said pump comprising a conduit communicating with the fractionating tower adjacent the lower end thereof and adapted to deliver solvent vapor under pressure from the tower to the absorber, a conduit delivering solvent from the tower to the absorber, means for producing indirect heat exchange between the solvent travelling in said conduit from the tower and the solvent and refrigerant travelling in the conduit from the absorber to the tower, a condenser, and means for delivering refrigerant from the upper end of the tower to the condenser and from the condenser to the evaporator.

2,408,803
APPARATUS FOR PREPARING CLAY FOR JIGGERING IN THE MANUFACTURE OF POTTERYWARE
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa., a corporation of Pennsylvania
Original application October 6, 1941, Serial No. 413,734. Divided and this application September 22, 1943, Serial No. 503,376
26 Claims. (Cl. 25—22)

1. In combination, a mold for forming pottery, a carrier therefor, means for moving the carrier and mold with sustained forward motion in a path wherein clay is preformed on the molding surface of the mold, a preformer, a support therefor, means for moving the support and preformer in another, and different, orbital path with sustained forward movement to bring the mold and preformer into registration and means for moving the preformer and mold relative to one another to effect a preforming operation.

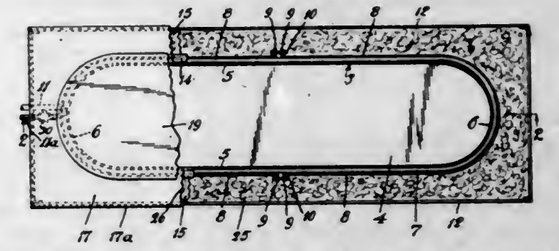


2,408,804
APPARATUS FOR MANUFACTURING JIGGERED POTTERYWARE
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa., a corporation of Pennsylvania
Original application October 6, 1941, Serial No. 413,734. Divided and this application September 22, 1943, Serial No. 503,377
26 Claims. (Cl. 25—22)



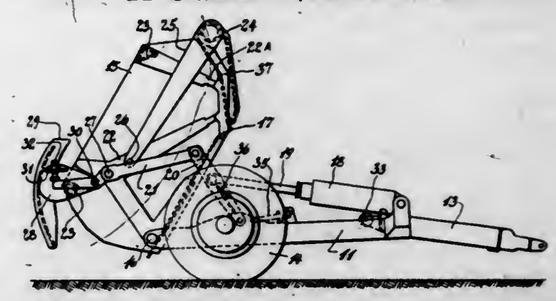
1. In combination, potteryware jiggering apparatus having a turntable associated therewith rotatable about a vertical axis, jiggering implements above said table, and rotatable therewith about said axis, endless flexible mold conveying means looped around said turntable, pottery molds mounted on said conveying means to be carried thereby to said turntable and transported about said axis in register with said jiggering implements thereabove, means for relatively moving said molds and jiggering implements when in register to perform jiggering operations and means operable to continuously drive said conveying means and turntable.

2,408,805
REFRIGERATOR
Arthur T. Millott and Edmund C. Graham, Minneapolis, Minn., assignors to Conditioned Air Equipment Co., Minneapolis, Minn.
Application August 11, 1944, Serial No. 548,948
5 Claims. (Cl. 62—126)



1. In a refrigerating structure, an evaporator and storage unit including an inner member having a circumferential generally upright side wall, and a bottom wall, of heat conducting material, said upright side wall having arcuate portions connected by generally rectilinear portions, a tube coiled around the exterior of said inner member in a plurality of vertically spaced loops, and an outer flexible draw band structure and means for drawing it tightly about said tube and for thereby holding said tube in close contact with the opposed outer surface of said side wall, said draw band structure including means for forcing inwardly against the tube those parts of the draw band which are opposed to the generally rectilinear portions of the side wall.

2,408,806
SCRAPER
George W. Mork, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application August 2, 1943, Serial No. 496,981
11 Claims. (Cl. 37—133)

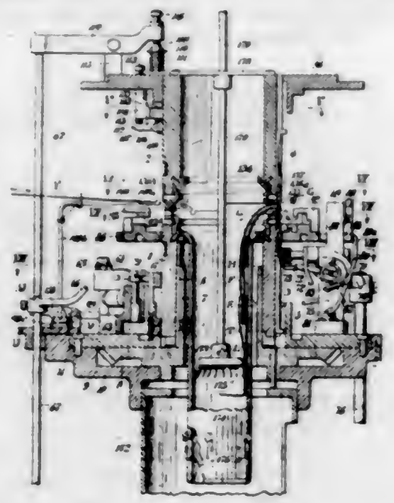


1. In a dumping container, the combination of: a frame; ground supports for said frame; the container proper, pivoted at one end adjacent its bottom on the frame, for tilting movement in a vertical plane, said container proper being open at its pivoted end; a longitudinally reciprocable rod on each side of the container proper, pivoted to the side thereof, and supported by the frame; means for forcibly reciprocating these rods; an end gate pivotally supported by the rod-container-proper assembly, adjacent the pivotal connection between the rods and the container proper; and stop means between the gate and the rods, to limit the downward swinging of the gate with respect to the rods.

2,408,807
KNITTING METHOD AND MACHINE
George Norman, Griffin, Ga., assignor to Spalding Knitting Mills, Griffin, Ga., a corporation of Georgia
Application September 16, 1944, Serial No. 554,350
26 Claims. (Cl. 66—1)

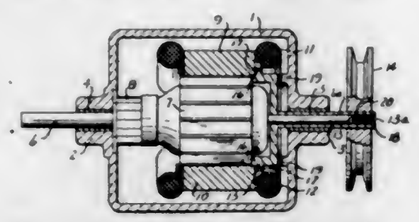
1. A knitting machine having two opposing sets of alternatingly-arranged independent nee-

dles; a yarn feed; means for reciprocating the two needle sets in unison to move alternately in opposite directions past the feed; and means operative at certain times to cause one set of the



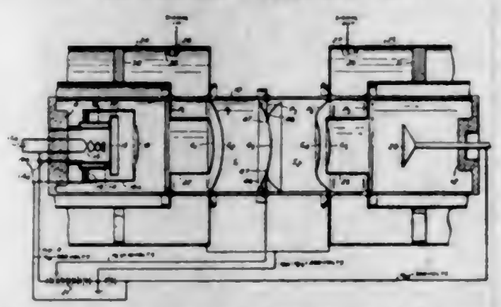
needles to knit during movement in one direction and the other set to knit during movement in the opposite direction, and at other times to cause both sets to knit during movement in one direction.

2,408,808
AUTOMATIC CLUTCH AND BRAKE FOR ELECTRIC MOTORS AND GENERATORS
Charles L. Paulus and Raymond K. Stout, Dayton, Ohio
Application July 9, 1943, Serial No. 494,028
1 Claim. (Cl. 172—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



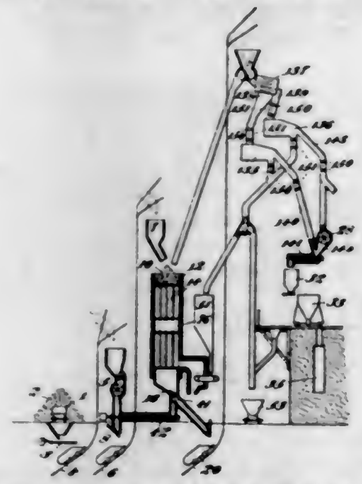
An electric motor which comprises a housing, a field fixed in said housing, axially aligned shaft bearings in said housing, a tubular shaft rotatable and axially movable in one of said bearings, a power take-off member fast on the outer end of said tubular shaft outside said housing and a clutch-and-brake disc fast on the inner end of said tubular shaft within said housing, an armature shaft having one end rotatable in one of said shaft bearings and the other end rotatable in said tubular shaft, an armature on said shaft between said bearings, said clutch-and-brake disc being spaced between the end of said armature and the inside face of said housing, and a spring within said tubular shaft having one end reacting against the end of said armature shaft urging it inward and the other end reacting against the tubular shaft urging it outward, thereby to yieldably hold said clutch and brake disc against the inside face of said housing when no current is passing through said motor, said disc being adapted to be drawn away from said housing and against said armature by stray magnetic lines emanating from said field and armature whenever an electric current is passing through said motor.

2,408,809
CATHODE BEAM TUBE AND VELOCITY CONTROL ELECTRODE
John R. Pierce, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 31, 1941, Serial No. 417,326
13 Claims. (Cl. 250—27)



1. A cathode beam device which comprises means for projecting a beam of electrons of substantial cross section over which the electron velocities are substantially uniform, means for accelerating said electrons to comparatively high speeds, means for velocity-varying said high speed beam, a drift space in which said velocity variations are converted into density variations, means for withdrawing energy of said density variations from said beam, and means in said drift space for imparting equal speed reductions in equal times to electrons at all parts of the cross section of said beam.

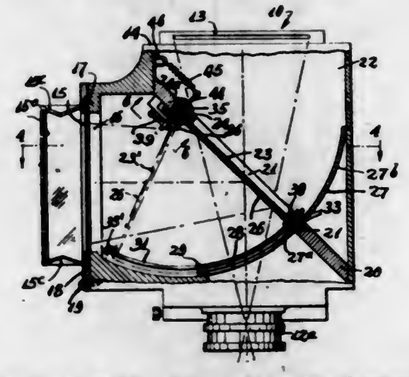
2,408,810
METHOD AND APPARATUS FOR PREPARING COAL FOR COKING
Franz Puening, Bethlehem, Pa.
Application September 11, 1942, Serial No. 457,960
10 Claims. (Cl. 202—27)



5. The process for preparing coal for coking, comprising the storing, conveying and preheating of raw coal in coarser grain sizes, which are adapted to protect the coal against the deleterious action of air and carbon dioxide, then segregating the hot coal into size classes, of larger and smaller particle size, then pulverizing the larger size class to a greater fineness, adapted to produce a reduced bulk density of the coal when mixed with the smaller size-class, then intimately mixing the several classes and accumulating the mixture in a charge hopper, ready for coking.

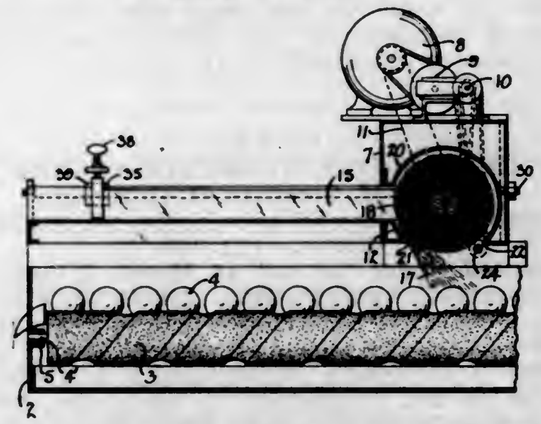
10. Apparatus for preparing coal for coking which comprises a preheater for heating the coal, an enclosure adapted to separate the coal into branches of different purity, by passing it through a current of inert hot gases recirculated therein, and pairs of sluice gates for avoiding loss of or dilution of recirculated gases by causing the coal to pass into the enclosure and the coal branches to pass out of the enclosure therethrough, the space between each such pair of gates being supplied with inert hot gas.

2,408,811
PROFESSIONAL PHOTOGRAPHIC CAMERA
Michel Resk, New Rochelle, N. Y.
Application August 12, 1943, Serial No. 498,276
7 Claims. (Cl. 95—42)



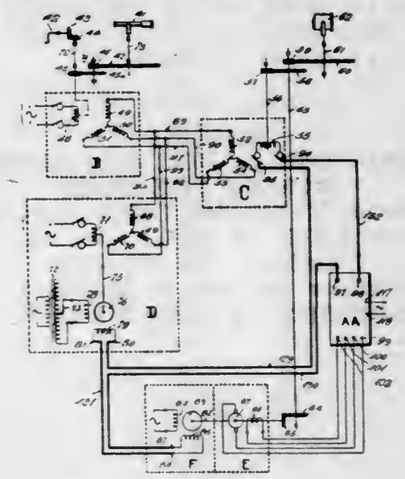
1. A device of the type described comprising a hollow lightproof body having a lens mounted through the front wall of said body, a removable light sensitive element mounted on the back wall of said body, a pair of spaced, parallel and arcuately shaped rods disposed in said body, one of said rods being positioned adjacent the plane of the top wall of said body and proximate to said front wall of said body, the other of said rods being disposed adjacent the plane of the bottom wall of said body and proximate said front wall of said body, means for securing the ends of each of said rods to said body, an arcuate shutter having an opening formed therein, a pair of spaced, radially inwardly extending abutments formed on said shutter each of which are provided with a pair of spaced apertures through which said rods project to form a support for the reciprocation thereon of said shutter, said abutments being disposed on opposite sides of said opening, and a tail piece for said shutter, said tail piece extending laterally from one of said abutments, and means engaging said abutments, alternately, for reciprocating said shutter on said rods.

2,408,812
WAXING MACHINE
Sidney C. Ricke, Mission, Tex.
Application November 26, 1942, Serial No. 467,005
6 Claims. (Cl. 91—44)



2. A fruit and vegetable waxer including a frame for positioning over the articles to be waxed, means to conduct the articles through said frame, a wax cake support portion, means to move the wax at a predetermined speed, a rotating brush to brush the end of the wax cake to powder the wax, said brush being disposed directly over said first means, additional means to receive and feed back to the brush powdered wax thrown from the brush beyond the angle of contact with the articles, and still additional means to drive said feed means, said brush, and said feed back means.

2,408,813
APPARATUS FOR ELECTRICAL CONTROL
Alger S. Riggs, Washington, D. C., assignor, by direct and mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application September 9, 1936, Serial No. 100,017
7 Claims. (Cl. 172—239)

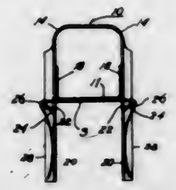


4. In a positional control system, a controlling object, a remotely located controlled object, an electrical positional data transmitter arranged for operation by one of said objects, a transmission line connected thereto, a signal generator actuated by said other object and connected to said line for generating a control signal proportional to the positional disagreement of said two objects, a receiver also connected to said transmission line to operate synchronously with said transmitter, a generator driven by said receiver for obtaining a control signal proportional to the velocity of said receiver, driving means for said controlled object, and means for controlling said driving means jointly in accordance with said disagreement and said velocity signals.

2,408,814
TEMPORARY COATING
George Selden, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application May 29, 1943, Serial No. 489,073
2 Claims. (Cl. 106—238)

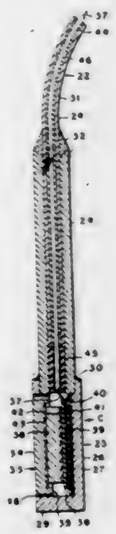
1. A temporary powder paint characterized by its ready solubility, before and after application, in aqueous alkali, alcohol, gasoline, painter's naphtha, and similar solvents, and by resistance to atmospheric conditions for short periods of time, comprising a dispersion of pigment in the reaction product of rosin with 65%–75% of the molar equivalent of monoethanolamine required to form the rosin ester, the reaction product containing some free acid.

2,408,815
SANDING BLOCK
Emory A. Seward, Evanston, Ill.
Application September 27, 1945, Serial No. 618,851
9 Claims. (Cl. 51—187)



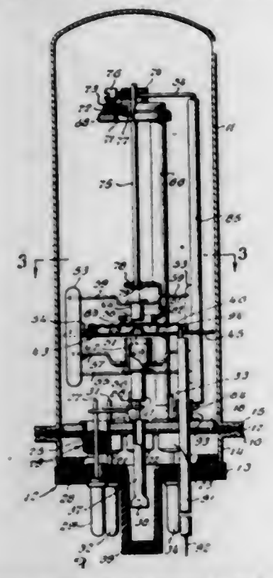
1. A sanding block comprising a sheet metal body having a top wall and parallel side walls with a bridge member disposed between the side walls intermediate the top wall and the lower edges of said side walls, the side walls having slots adjacent the bottom plane of said bridge and wings extending outwardly from said slots with the outer edges of said wings spaced laterally from the side walls in a plane closely adjacent said bottom plane of the bridge.

2,408,816
PIEZOELECTRIC GAUGE AND METHOD OF MAKING THE SAME
Maurice M. Shapiro, Cabin John, Md.
Application Feb. 10, 1944, Serial No. 521,885
7 Claims. (Cl. 171—327)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A piezoelectric gauge for use in the observation and measurement of a pressure wave of high amplitude and short duration, such as produced by the underwater detonation of a charge of high explosive, comprising a thin flat hollow cylindrical waterproof shell formed of elastic and electrically conductive metal, said shell including spaced end walls and a cylindrical side wall provided with an integral tubular outlet, a piezoelectric transducer assembly comprising a plurality of thin flat discs forming with the end walls of said cylindrical shell a solid body composed entirely of parallel layers and thereby inherently capable of withstanding extremely high pressure axially of the gauge, one of said end walls constituting a grounded electrode for said transducer assembly to permit reduction in the mass and size of the gauge, the mass of the shell being small and the greatest dimension of the shell being less than one-half inch.

2,408,817
ELECTRON DISCHARGE APPARATUS
Donald L. Snow, Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application November 29, 1943, Serial No. 512,222
9 Claims. (Cl. 250—27.5)



1. High frequency electron discharge apparatus comprising a support, a platform carried by said support, a hollow resonator mounted on said platform, a rigid body of electrical insulating material secured to said platform and electron emitter and deflecting electrode assemblies secured to said body and disposed on opposite sides of said resonator in alignment therewith.

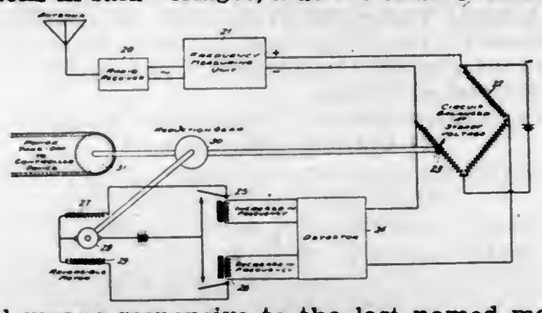
2,408,818
MEDICATED SURGICAL DRESSINGS
Harry Sobotka, New York, N. Y., assignor to Mount Sinai Hospital Research Foundation, Inc., a membership corporation of New York
No Drawing. Application December 18, 1941, Serial No. 423,475
6 Claims. (Cl. 167—84)

1. A surgical dressing material comprising a dry textile material having a feel and flexibility similar to that of untreated surgical gauze and carrying on the fibres thereof an impregnation of a sulfa compound in a proportion at least equalling 5% of the weight of said textile material and a binding agent consisting essentially of a cellulose ether present in an amount sufficient to hold said sulfa compound in situ in said material without leaching during steam sterilization and substantially without dusting during handling while at the same time permitting gradual absorption of said sulfa compound from the dressing when applied to a wound.

2,408,819
RADIO REMOTE CONTROL SYSTEM
Edward M. Sorensen, Dayton, Ohio
Application May 16, 1940, Serial No. 335,517
10 Claims. (Cl. 250—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

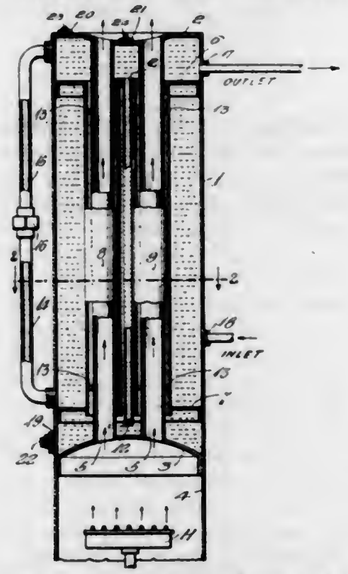
1. In a remote control system, a source of variable wave energy, means for converting said wave energy into voltages proportional to a change in frequency and independent of amplitude, means for translating said voltages into mechanical motion, comprising means responsive to said proportional voltages for governing the response

thereto to effectuate a motion dependent on variations in said voltages, a device to be controlled,



and means responsive to the last named means to control the position of said device.

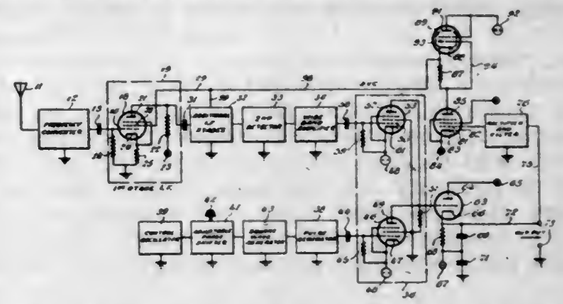
2,408,820
WATER HEATER AND BOILER
Benjamin I. J. Stamm, New York, N. Y.
Application June 19, 1944, Serial No. 541,006
10 Claims. (Cl. 122—17)



1. A water heater comprising an outer wall and top and bottom walls defining a water containing vessel or tank and a skirt portion defining a compartment adapted to receive a heating element, said tank having a pair of partitions located respectively near the top and bottom of said tank and defining a large central chamber and smaller chambers at the top and bottom of said tank, said top and bottom walls being connected by a plurality of heating flues, said partitions being connected by water confining tubes, said tubes being arranged in closely spaced relation about companion flues, said partitions being also connected with a down-flow tube in direct communication with the upper and lower chambers and an up-feed pipe supported by said heater making direct communication with the upper chamber and the lower portion of the central chamber, in combination with a feed water inlet connected to the central chamber and a dispensing outlet connected with the upper chamber.

2,408,821
AUTOMATIC VOLUME CONTROL
Horace Myrl Stearns, Merrick, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Original application July 30, 1942, Serial No. 452,818. Divided and this application November 6, 1943, Serial No. 509,225
16 Claims. (Cl. 250—20)

11. An automatic volume control system for a signal receiver including a screen grid amplifier, comprising a source of potential, a power tube forming a dropping resistor for connecting the screen grid of said amplifier to said source of potential, and control means connected in series



with said power tube and responsive to the average output level of the receiver for controlling the resistance of said power tube to change the voltage applied to said screen grid in a manner to stabilize the output of said receiver.

2,408,822
ELECTRICAL DISCHARGE DEVICE
Hubert E. Tanis, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 30, 1942, Serial No. 452,834
8 Claims. (Cl. 250—27.5)



8. A discharge device comprising at least two conductive parts separated by an insulating member having a water-repellent, externally exposed surface portion obtained by treating the externally exposed surface portion of said member with a methyl-silicon halide in vapor form.

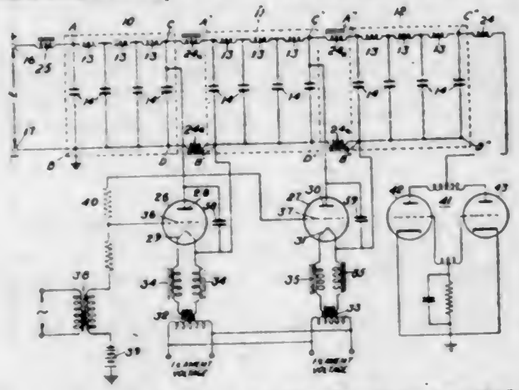
2,408,823
MANUFACTURE OF SULPHAMIC ACID
Ernest J. Tauch, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 21, 1944, Serial No. 546,065
15 Claims. (Cl. 23—166)

4. In the manufacture of sulphanic acid the steps of bringing together urea and liquid sulphur trioxide in the proportions of at least 6 parts of liquid sulphur trioxide for each part of urea and effecting the reaction under such conditions that there is no substantial loss of sulphur trioxide from the reaction vessel during said reaction while agitating and cooling sufficient to maintain a temperature below about 80° C., thereafter introducing sulphuric acid in the proportion of one mole of sulphuric acid for each mole of urea and thereafter heating to a temperature between about 75° C. and about 120° C.

2,408,824
IMPULSE GENERATOR
Arthur A. Varela, Washington, D. C.
Application March 27, 1942, Serial No. 436,483
26 Claims. (Cl. 171—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

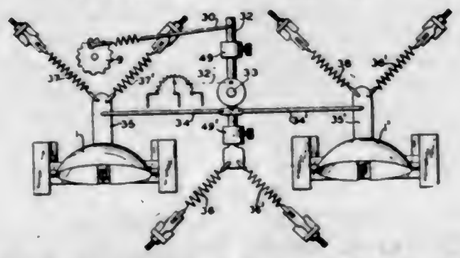
21. An electrical impulse generator comprising a plurality of artificial lines each having a plurality of serially connected inductance means

with a plurality of capacitance means connected in parallel relation therewith, each of said lines having high and low potential input and output terminals, means interconnecting said lines in parallel relation, means applying a source of potential to the input terminals of the first line of said parallel connected lines for charging the capacitance means included in said lines in parallel relation, a discharge circuit having an impedance connected between the output of the last line of said parallel connected lines and said first line, a plurality of discharge devices having a rotary electrode and a pair of stationary electrodes associated with said rotary electrode, means connecting one of the stationary electrodes



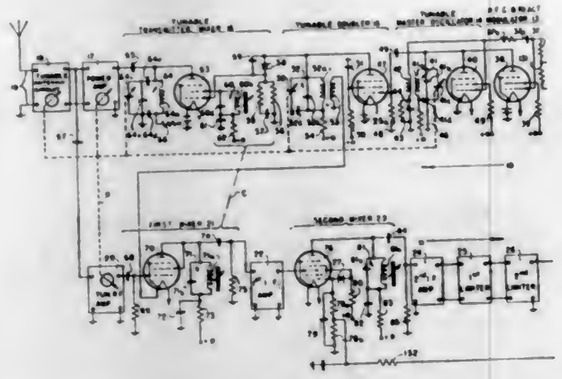
of each of said devices to the high potential output terminal of certain of said lines and the other stationary electrode of each of said devices to the low potential input terminal of the next line of said parallel connected lines, an electrical grounded rotating shaft for simultaneously rotating said rotary electrodes at a predetermined speed for progressively discharging said devices whereby said lines are periodically serially discharged through said discharge circuit for periodically producing a substantially constant potential across said impedance for a period of time determined by the electrical lengths of said lines, and capacitance means positioned between said shaft and said rotary electrodes for synchronizing discharge of said devices.

2,408,825
OBJECT DETECTING AND LOCATING SYSTEM
Russell H. Varian, Wantagh, and William W. Hansen and John R. Woodyard, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif., a corporate body of California
Original application September 30, 1941, Serial No. 412,918. Divided and this application March 25, 1943, Serial No. 480,574
6 Claims. (Cl. 250—11)



1. In an apparatus of the character described a plurality of pivotally mounted reflectors, means for oscillating said reflectors about their pivotal mountings, and inertia means connected to said oscillating means for counteracting the inertia of said reflectors, whereby vibration of the system is substantially eliminated.

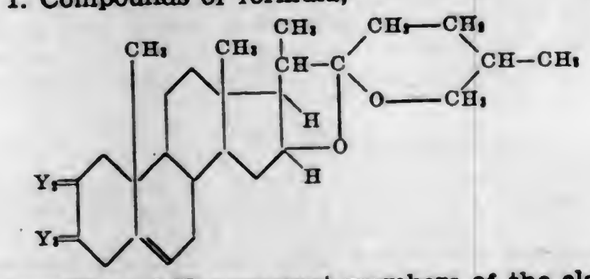
2,408,826
COMBINED FREQUENCY MODULATION RADIO TRANSMITTER AND RECEIVER
William W. Vogel, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application June 21, 1943, Serial No. 491,595
21 Claims. (Cl. 250—13)



1. In a combined radio transmitting and receiving system which includes means for selectively conditioning said system for signal transmission or reception, a receiving channel, a signal responsive device operative in response to the transmission of a received signal through said channel, muting means responsive to noise voltages appearing in said channel in the absence of a received signal and having frequencies different from the frequencies of received signals transmitted through said receiving channel to prevent said signal responsive device from responding to the noise voltage, a transmission channel including a master oscillator, and means comprising a second oscillator associated with said transmission channel at a point following said master oscillator for controlling said master oscillator through a section of said receiving channel to govern the output frequency of said master oscillator and for controlling said muting means through the same section of said receiving channel to render said muting means inoperative to prevent noise or signal voltages from being transmitted to said signal responsive device.

2,408,827
STEROIDAL COMPOUNDS AND METHODS FOR OBTAINING THE SAME
Romeo B. Wagner, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application May 15, 1944, Serial No. 535,748
4 Claims. (Cl. 260—239.5)

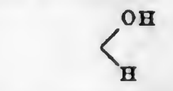
1. Compounds of formula,



where Y_2 and Y_3 represent members of the class

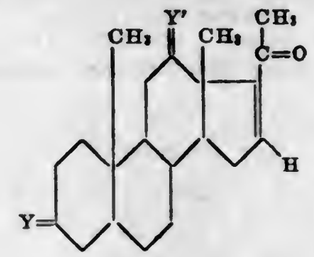


and ester groups hydrolyzable to



2,408,828
STEROIDAL COMPOUNDS AND METHOD FOR OBTAINING THE SAME
Romeo B. Wagner, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application May 15, 1944, Serial No. 535,749
4 Claims. (Cl. 260—397.3)

1. A compound represented by the following formula:



where Y and Y′ are members of the class



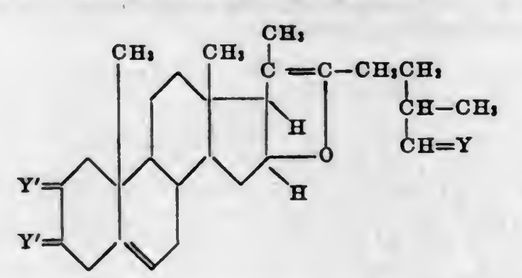
groups hydrolyzable to



and =O.

2,408,829
STEROIDAL COMPOUNDS AND METHODS FOR OBTAINING THE SAME
Romeo B. Wagner, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application May 15, 1944, Serial No. 535,753
5 Claims. (Cl. 260—239.5)

1. Compounds having the formula,



where Y and Y′ are members of the class

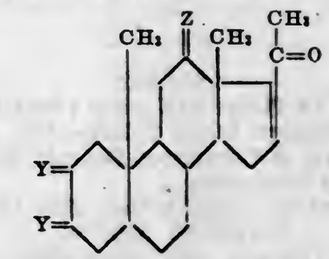


and groups hydrolyzable to



2,408,830
STEROIDAL COMPOUNDS AND METHODS FOR OBTAINING THE SAME
Romeo B. Wagner, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application May 15, 1944, Serial No. 535,754
11 Claims. (Cl. 260—397.4)

1. A compound of the formula



where Y is a member of the class



and groups hydrolyzable to



and Z is a member of the class



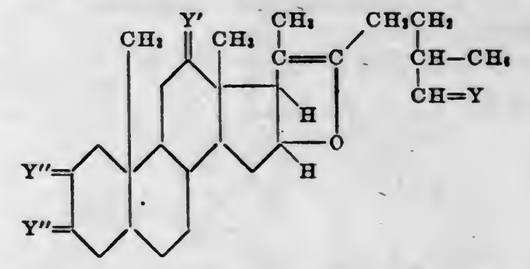
groups hydrolyzable to



and =O.

2,408,831
STEROIDAL COMPOUNDS AND METHODS FOR OBTAINING THE SAME
Romeo B. Wagner, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application May 15, 1944, Serial No. 535,755
8 Claims. (Cl. 260—239.5)

1. Compounds of the formula,



where Y and Y″ are in each case members of the class



and groups hydrolyzable to



and Y' is a member of the class =O,



and groups hydrolyzable to



2,408,832

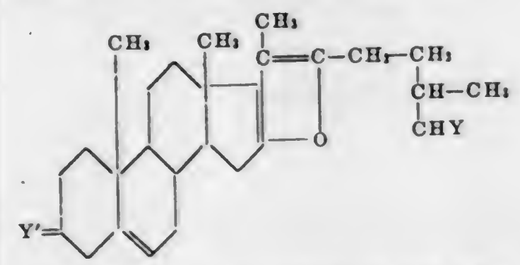
PSEUDOKRYPTOGENIN AND ITS DIACETATE

Romeo B. Wagner, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application May 15, 1944, Serial No. 535,756

4 Claims. (Cl. 260—239.5)

1. Compounds having the formula,



where Y and Y' are members of the class consisting of



and groups hydrolyzable to



2,408,833

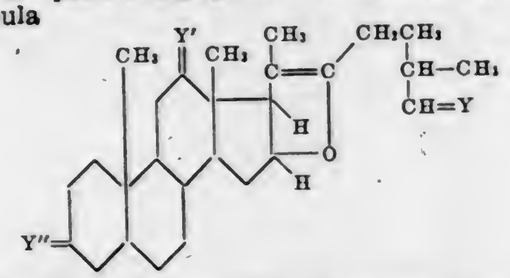
STEROIDAL COMPOUNDS AND METHODS FOR OBTAINING THE SAME

Romeo B. Wagner, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

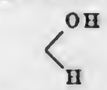
No Drawing. Application May 15, 1944, Serial No. 535,757

9 Claims. (Cl. 260—239.5)

1. A pseudo-sapogenin compound of the formula



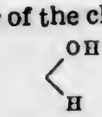
where Y and Y'' are members of the class



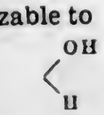
and groups hydrolyzable to



and Y' is a member of the class O,



and groups hydrolyzable to



2,408,834

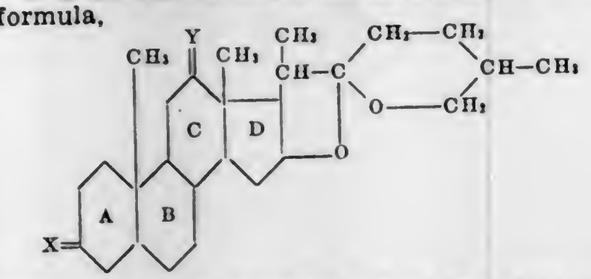
STEROIDAL COMPOUNDS AND METHODS FOR OBTAINING THE SAME

Romeo B. Wagner, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application May 15, 1944, Serial No. 535,758

5 Claims. (Cl. 260—239.5)

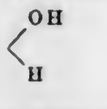
1. A C_{12}-substituted steroidal sapogenin of the formula,



where X and Y are members of the class =O,



and ester groups hydrolyzable to



2,408,835

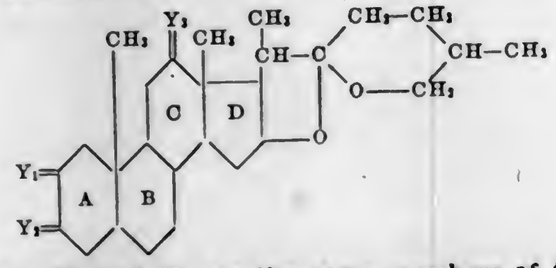
STEROIDAL COMPOUNDS AND METHODS FOR OBTAINING THE SAME

Romeo B. Wagner, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application May 15, 1944, Serial No. 535,759

7 Claims. (Cl. 260—239.5)

1. A ring saturated C_{12}-substituted steroidal sapogenin of the fromula



where Y_1 and Y_2 are the same members of the class consisting of



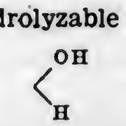
and ester groups hydrolyzable to



and Y_3 is a member of the class consisting of =O,



and ester groups hydrolyzable to



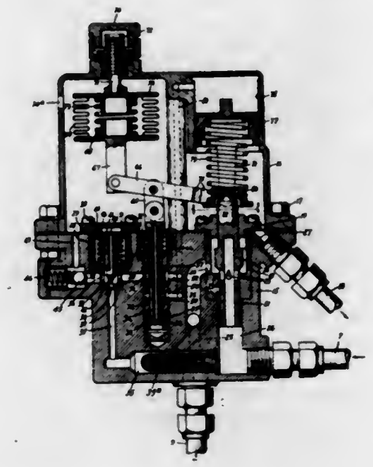
2,408,836

BAROMETRIC FUEL VALVE

Donald F. Warner, Swampscott, Mass., assignor to General Electric Company, a corporation of New York

Application April 12, 1944, Serial No. 530,718

2 Claims. (Cl. 137—153)



1. A barometric valve structure of the character described comprising a base, a cap fixed on the base to provide a chamber above the base, a pressure control valve in the base having a stem projecting into said chamber, a cylinder in the cap, a piston in the cylinder, a loading spring between the piston and the valve stem, walls which define a passage connecting the region on the admission side of said control valve to said cylinder, a pressure reducing valve in said passage, a pilot valve in the passage beyond said reducing valve which controls flow of fluid to said cylinder, and a means responsive to barometric pressure for positioning said pilot valve.

2,408,837

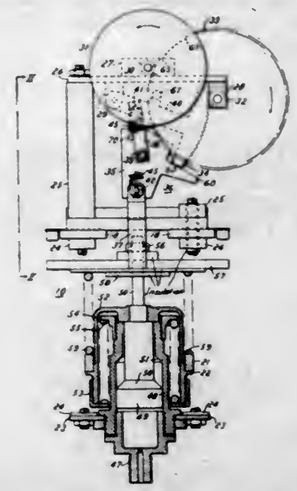
SWITCHING MEANS

Charles C. Whittaker, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 18, 1944, Serial No. 527,050

7 Claims. (Cl. 200—35)

1. A pneumatically operated time limit switch, in combination, a cylinder, a piston provided with a rod disposed within the cylinder, means for supplying gas under pressure to the cylinder to operate the piston, stationary contacts, a movable contact, slidably mounted on the piston rod, for bridging the stationary contacts, a toggle mechanism coupled to the movable contact, a spring coacting with the piston and movable contact to bias the movable contact toward the stationary contact upon operation of the piston, and time-limit means operable after a given movement of the movable contact toward the stationary contacts for breaking the toggle mechanism to thus release the movable contact so that it



makes rapid contact with the stationary contacts.

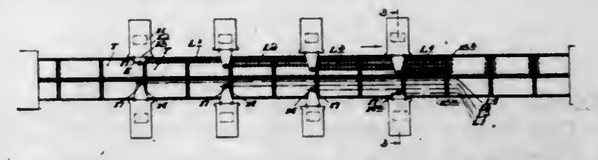
2,408,838

CONVEYER LOADING MECHANISM

Eibe A. Wilckens and Ellis M. Magill, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application December 23, 1941, Serial No. 424,174

14 Claims. (Cl. 226—2)



1. In an apparatus of the character described, a conveyer, a plate element above the conveyer having a cut-out therein substantially corresponding to the outline of the articles being handled, means to move articles on the plate to the cut-out so that they will drop upon the conveyer, means associated with the cut-out to support articles within the same, and means to intermittently move said last-named means out of article supporting position to enable the articles to drop upon the conveyer.

2,408,839

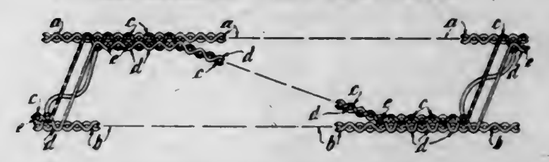
LADDER WEBBING

George Frederick French, Manchester, England, assignor to Roger French, Manchester, England, and himself

Application June 26, 1939, Serial No. 281,228

In Great Britain April 6, 1939

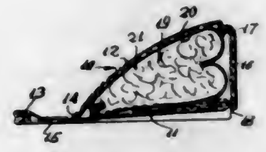
13 Claims. (Cl. 139—384)



1. Ladder webbing comprising two outer bandings and joining cross-straps, wherein the outer bandings are of different colours, and wherein one portion of the cross-strap warps is of one colour agreeing with the colour of one banding, and the other portion is of another colour agreeing with the colour of the other banding, and wherein at a binding-in of a strap to a banding, the strap warps of like colour to the banding are

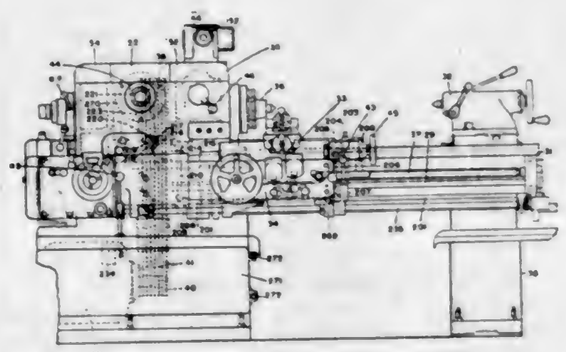
interwoven with such banding, whilst the other strap warps are only bound to the inner face of the banding, no portion of the cross-strap warps of one colour showing through the banding of the other colour.

2,408,840
REMOVABLE SHOULDER PAD
Abraham Friedman, New York, N. Y.
Application October 7, 1944, Serial No. 557,603
1 Claim. (Cl. 2—268)



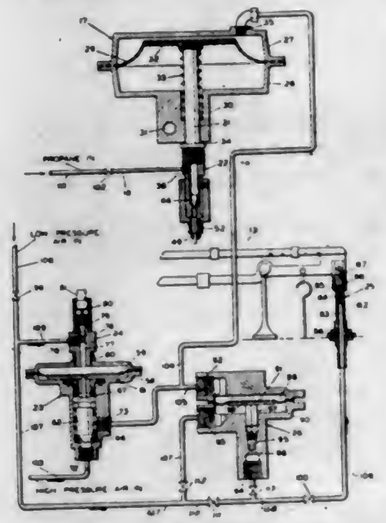
A removable shoulder pad, comprising a pocket-like casing having a flange portion extending along the sides at one end and at the other end having a vertical end-wall meeting the base wall of said casing forming a mouth for said casing, a pad filler within said casing and engaging said vertical end wall and removable through said mouth, and releasable fastening elements mounted on said flange for engaging complementary fastening elements formed on a garment for holding the shoulder pad in position, said pad filler comprising an outer casing, and filler material within said casing.

2,408,841
MACHINE TOOL STRUCTURE
Frank A. Fritzsch, Cincinnati, Ohio, assignor to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application September 28, 1943, Serial No. 504,134
13 Claims. (Cl. 82—29)



1. In a device of the class described, a headstock assembly, comprising in combination a two-piece spindle including a main and an auxiliary spindle, a spindle drive pulley, means for independently mounting said spindles in an end to end relationship for rotation about a common axis, means for mounting said spindle drive pulley independently of and for rotation relative to said main spindle, means operable for connecting said pulley in driving relationship with said main spindle, means operable for connecting said auxiliary spindle in driven relationship with said main spindle, and means for mounting said auxiliary spindle for axial movement relative to said main spindle to a position in engagement therewith, or to a position spaced therefrom for providing access to said drive pulley from a location between said spindles.

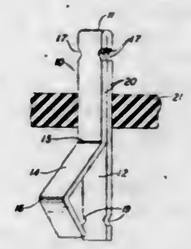
2,408,842
AUTOMATIC CYLINDER FILLING DEVICE
Owen L. Garretson, Bartlesville, Okla., and Theodore A. St. Clair, Pontiac, and Andrew R. Olson, Detroit, Mich., assignors to Phillips Petroleum Company, a corporation of Delaware
Application June 22, 1942, Serial No. 448,022
20 Claims. (Cl. 249—63)



1. Apparatus for filling cylinders each of said cylinders having an inlet and a check valve controlling said inlet, with a predetermined standard weight of fluid, comprising in combination cylinder weighing means, a fluid dispensing line for filling said cylinders with fluid, means for positioning one of said cylinders so that it is weighed by the cylinder weighing means and is aligned for connection to said fluid dispensing line, connecting means for connecting said line to said cylinder and for opening said check valve, disconnecting means urging said connecting means away from and out of connection with said cylinder, power operated means for overcoming said disconnecting means and for connecting said fluid line and said cylinder by said connecting means, pressure responsive means normally operative to render said power operated means inoperative, manually controlled means for rendering said pressure responsive means inoperative at will, weight controlled means for rendering said pressure responsive means operative upon the cylinder being filled with the standard weight of fluid to render said power operated means inoperative, and means preventing more than one such operation of said weight controlled means between any two manual actuations of said manually controlled means whereby random operation of said power operated means is prevented, said connecting means comprising a check valve controlling flow of fluid from the dispensing line, said check valves being opened by said connecting means at the time of connection of said line to said cylinder whereby loss of fluid into the atmosphere is prevented.

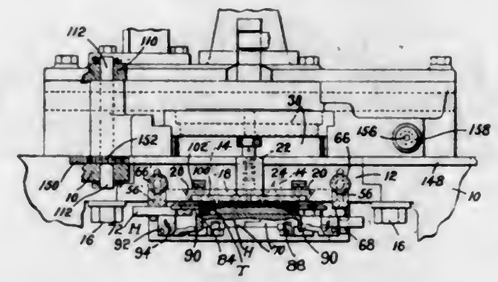
2,408,843
ELECTRICAL CONNECTOR
Marcel C. Gauthier, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 1, 1943, Serial No. 512,436
1 Claim. (Cl. 173—324)

An electrical connector comprising a body formed of a strip of conductive material notched adjacent one end to form a single terminal portion, a length of the material near the other end being bent at spaced positions to form an angular resilient contact portion, the material of the body also being bent back on itself intermediate the single terminal portion and the contact portion



to form a double terminal portion, with aligned notches therein near the last mentioned bend, and to position the free ends of the contact portion and the single terminal portion in a common plane at spaced positions from each other.

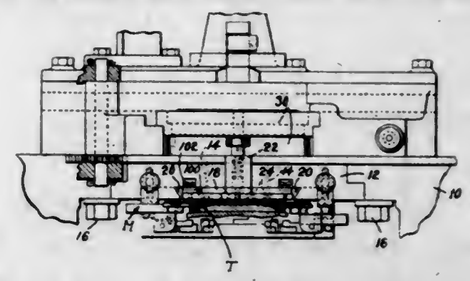
2,408,844
HOLDER AND POSITIONER FOR HEEL PARTS
Emerson C. Gill, Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 12, 1942, Serial No. 468,774
5 Claims. (Cl. 1—32)



1. In a heel-attaching machine having fastening-inserting mechanism provided with fastening-receiving passages and coöperating fastening-drivers arranged in accordance with an inserting design, the combination of a pair of pivoted base-engaging arms, a pair of pivoted lift-engaging arms, and means for yieldably forcing the arms of each pair toward each other, the pairs of arms being located one above the other and each pair being provided with projections arranged to contact with a base or lift to locate it in a direction from front to rear of the inserting design of the fastening-inserting mechanism and by their lateral pressure to turn it about an axis heightwise of the heel-parts into a predetermined angular relation to the said design and to the associated heel-part.

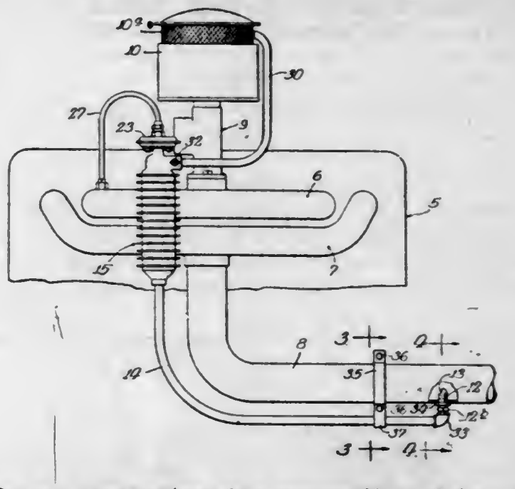
2,408,845
FASTENING-INSERTING MACHINE
Emerson C. Gill, Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application December 12, 1942, Serial No. 468,774. Divided and this application July 12, 1944, Serial No. 544,495
6 Claims. (Cl. 1—32)

1. In a heel-attaching machine, a heel-abutment provided with a projection against which the work is pressed, and a yieldable guard having a contracted opening within which the projection normally lies, said guard presenting to heel-ports about the opening an extended plane surface for engagement with the tread-surfaces



of said heel-parts during their introduction into the machine.

2,408,846
ANTIDETONATION APPARATUS FOR AUTOMOTIVE ENGINES
Lucius Duke Golden and James Kirk Gregg, Richmond, Ind., assignors to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana
Application June 19, 1944, Serial No. 540,972
4 Claims. (Cl. 123—119)

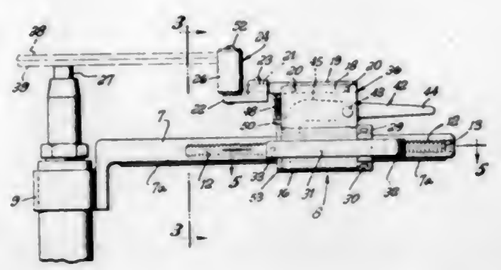


2. In an apparatus for preventing detonation in an automotive vehicle internal combustion engine having an exhaust and an intake system including a manifold, carburetor and air filter, the combination of means including a silencer, a pipe connecting the silencer to the exhaust system, and a pipe leading from the silencer to the filter and adapted to deflect and conduct a portion of the exhaust gases from the exhaust system to the filter, a valve normally closing said conducting means, and a diaphragm device connected at one side to the valve, a pipe connecting the other side of the diaphragm device to the intake manifold so that the diaphragm device is controlled by the vacuum in the manifold to open the valve only when detonation is likely to occur and thus permit a quantity of the exhaust gases to be mixed with the explosive mixture of the engine and thereby prevent detonation.

2,408,847
SPOT-WELD EDGE GAUGE
Bernard Gross and Leo W. Cornwall, San Diego, Calif., assignors to Rohr Aircraft Corporation, Chula Vista, Calif., a corporation of California
Application November 21, 1945, Serial No. 629,948
6 Claims. (Cl. 219—4)

1. A spotweld edge gauge, comprising a rod, means for securing one end of said rod to a spot-

welding machine adjacent to one of the electrodes thereof, an edging roller assembly and carriage therefor mounted upon said rod to slide



thereon toward and from said electrode, and means for detachably clamping said assembly to said rod in adjusted position thereon.

2,408,848
NAVIGATIONAL GUIDE SYSTEM
John Hays Hammond, Jr., Gloucester, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application February 5, 1943, Serial No. 474,773
12 Claims. (Cl. 250—1)



8. A navigational guide system for a vessel, comprising a plurality of sources of different directional radio beams on said vessel each adapted to be rotated to sweep an area, frequency modulation means for modulating each of said sources to cause said beams to vary in frequency in a predetermined manner, a plurality of remote reflectors in said area comprising two groups, each group being selective only to one of said beams and adapted to reradiate the same when energized thereby, said reflectors constituting left and right course markers having different reradiating characteristics, a plurality of receivers on said vessel each responsive to said reradiated beams having one of said characteristics and including circuits responsive to the time lag between said radiated and said corresponding reradiated beams, and indicating mechanism actuated by said circuits, said indicating mechanism having means to indicate both the direction of each of said reradiated beams and the distance of each of said reflectors from said vessel.

2,408,849
CELLULOSE PURIFICATION
Clifford I. Haney, Greenwich, Conn., and Mervin E. Martin and Troy Monroe Andrews, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 12, 1943, Serial No. 478,910
2 Claims. (Cl. 8—105)

1. Process for the treatment of sulfite wood pulp, which comprises forming a slurry comprising 8% by weight of sulfite wood pulp in a 7% aqueous solution of sodium hydroxide, digesting said slurry at a temperature of about 90 to 103° C. for about 1 hour, treating said digested slurry with a 2% aqueous solution of chlorine for about 30 minutes, subjecting said treated slurry to a plurality of treatments with aqueous solutions of sodium hydroxide at a temperature between 50 and 60° C. and aqueous solutions of chlorine, said aqueous solutions of sodium hydroxide and of chlorine being of lower concentration than the aqueous solutions employed in the initial treatment therewith and said aqueous solutions being used for at least 30 minutes, subjecting the so-treated pulp to a bleaching treatment with an aqueous solution of hypochlorite containing 0.5% available chlorine, subjecting said bleached pulp to a treatment with a 7% aqueous solution of sodium hydroxide at a temperature between 75 to 103° C., and then washing and drying said pulp.

2,408,850
CORDED TAPE
James A. Hendley, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut
Application February 1, 1944, Serial No. 520,634
11 Claims. (Cl. 139—384)

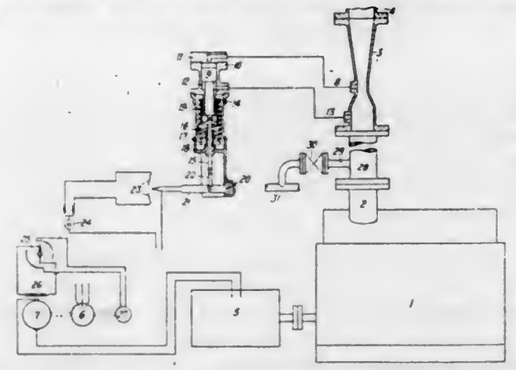


1. A corded tape for slide-fasteners and the like, including: a relatively-thin tape-body having interwoven longitudinal warp strands and transverse weft strands; and a relatively-thick cord extending longitudinally adjacent one edge of said tape-body and having a plurality of longitudinal twisted cord-strands with at least some of said weft strands extending transversely through approximately the middle of said cord with a plurality of the cord-strands on each side of said transversely-extending weft strands, and each of said cord-strands extending helically of said cord substantially throughout the length of said cord.

2,408,851
PUMP
Harold Hillier and Thomas McAlpine, Cathcart, Glasgow, Scotland, assignors to G. & J. Weir Limited, Glasgow, Scotland, a corporation of Great Britain
Application September 22, 1944, Serial No. 555,235
In Great Britain October 12, 1943
2 Claims. (Cl. 103—35)

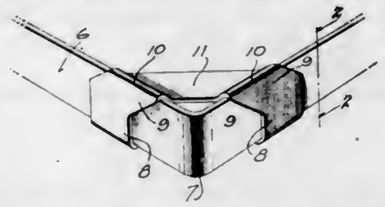
1. An apparatus for controlling the delivery pressure of a liquid pump at a predetermined

value for each and every given rate of flow of the pump, comprising a cylinder, a piston reciprocable in said cylinder, one end portion of said piston being of larger diameter than the other, the end portion of smaller diameter extending through the adjacent end of the cylinder and being exposed to atmospheric pressure, said piston having an annular portion complementary to said portion of smaller diameter, a spring operative to oppose outward movement of the smaller end portion of the piston, a Venturi nozzle through which discharge from the pump passes, a conduit connecting the space in the end of the cylinder opposite the free end of the larger portion of the piston with a region of low pressure in the Venturi nozzle, a conduit connecting the space in the other end of the cylinder in which the an-



nular portion of the piston reciprocates with a region of high pressure in the Venturi nozzle, whereby variations of pressure in said regions will cause movement of the piston in the cylinder, a rotary motor member connected to the pump, and means operated by movement of the piston to control the speed of the rotary motor member and thereby to control the pump from a given pressure datum against the atmosphere, the proportions of the Venturi nozzle, the larger and smaller diameters of the piston, and the characteristic of the spring being such with respect to a rising pressure capacity characteristic desired from the pump that the piston is stationary in a predetermined position for any given liquid flow at the corresponding discharge pressure of the pump on the pressure capacity characteristic.

2,408,852
FRAME CORNER STRUCTURE
William Holman and Gustave Holman, Sheboygan, Wis.
Application November 24, 1943, Serial No. 511,640
5 Claims. (Cl. 189—34)

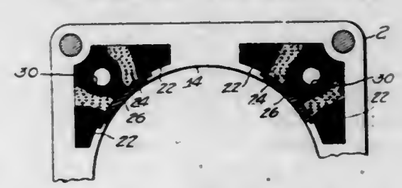


1. In a frame corner structure, the combination with strap metal frame sides connected at right angles to comprise a corner and having external and internal faces and disposed so that their edge portions form top and bottom margins, of a metal strap bracket diagonally spanning the top margins of such sides across the angle therebetween and in spaced relation to the corner, the ends of said strap bracket extending downwardly in face contact with the external faces of the respective frame sides and thence beneath the lower margins thereof and upwardly in substantial face contact with the interior faces of the respective frame sides, said frame sides and strap bracket having integral portions mechanically interlocked against movement of said bracket toward the corner of the frame sides, whereby to secure the bracket independently of extraneous fastening means.

2,408,853
GUAYULE RUBBER BY FERMENTATION
Samuel R. Hoover, Philadelphia, Pa., Paul J. Allen, Robles del Rio, Calif., and Joseph Naghski, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 21, 1944, Serial No. 546,020
4 Claims. (Cl. 195—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. The process of producing an improved rubber from guayule rubber worms, comprising suspending the worms in water, inoculating the mixture with *Pseudomonas boreopolis* organisms, conditioning the medium for growth of the organisms, allowing the organisms to grow until the resin content of the worms is substantially decreased, whereby the physical properties of the rubber will be improved, then removing and washing the improved rubber and drying it.

2,408,854
STATOR FOR ELECTRIC MACHINES
Vaino A. Hoover, Los Angeles, Calif., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application November 6, 1943, Serial No. 509,292
3 Claims. (Cl. 172—36)

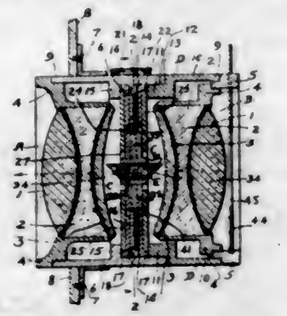


1. A stator for an electric motor, comprising a frame member having a continuous peripheral part defining a central opening and having a plurality of pole pieces extending inwardly from the peripheral part, each of said pole pieces having a circumferentially elongated, arcuate face part connected centrally thereof to the peripheral part by a part of less circumferential extent than the face part, whereby a recess is provided on each side of the connecting part behind the face part, and windings coiled about said connecting part and being partially within the recesses behind the face part and substantially filling the space between adjacent pole pieces, and means for ventilating said windings comprising a hollow tube extending longitudinally of the stator and being disposed between the windings of adjacent pole pieces.

2,408,855
IMAGE REVERSER FOR CAMERAS
William C. Huebner, New York, N. Y.
Application February 14, 1945, Serial No. 577,812
4 Claims. (Cl. 88—57)

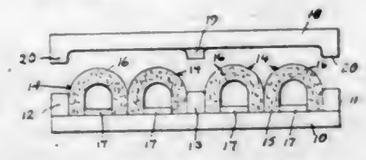
1. In an optical system for straight line cameras, the combination of a lens barrel, a lens sys-

tem within said barrel comprising lens elements spaced apart, an image reversing prism disposed between the nodal points of said lens elements and in the optical axis of said lens system, a circular frame rotatable in the barrel in a plane normal to the optical axis of the lens system and



having a centrally disposed recess, a mounting for said prism radially shiftable in the recess for adjusting the prism relatively to the said optical axis, and diametrically opposite screws in said circular frame bearing upon said mounting for shifting the mounting.

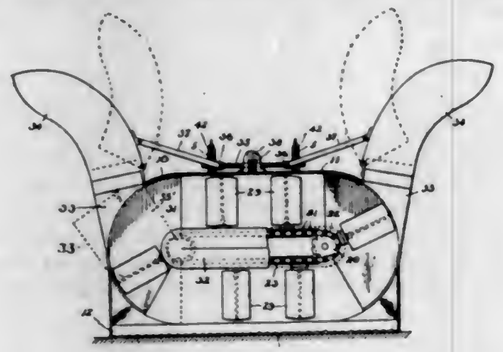
2,408,856
VIBRATION ABSORBING SUPPORT
Carl Hussman, Chicago, Ill.
Application May 18, 1944, Serial No. 536,075
3 Claims. (Cl. 248—22)



1. A vibration absorbing structure comprising a pair of spaced apart upper and lower plates, said lower plate being provided with spacer members on the upper surface thereof, upstanding stabilizer members on the lower plate disposed parallel with said spacer members, depending parallel stabilizer members on said upper plate each arranged in the respective vertical plane of one of said upstanding stabilizer members on the lower plate, and a plurality of flexible inverted U-shaped vibration absorbing strips each having vertical legs resting on said lower plate on opposite sides of one of said spacer members and each strip contacting at one vertical side of one leg thereof one of said stabilizer members of each plate and at the opposite vertical side having mutual supporting contact with an adjacent side of another of said strips, said strips supporting said upper plate at an elevation above the lower plate to preclude contact of the upper stabilizing members with the respective lower stabilizing members when said upper plate is subjected to the influence of a vibration generating load supported by said upper plate.

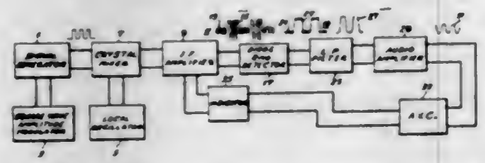
2,408,857
SNOWPLOW
Norman L. James, Ingersoll, Ontario, Canada
Application November 15, 1943, Serial No. 510,408
In Canada November 19, 1942
3 Claims. (Cl. 37—45)

1. A snow plow comprising a frame having a closed vertical back mounted transversely of a truck, horizontally spaced shafts arranged adjacent to opposite ends of said frame, paired sprockets mounted on each of said shafts, an endless chain belt extending between and operated by the sprockets on said shafts, said belt having roller extensions engaging said sprockets, paired horizontal trackways rigidly supported from said frame between said sprockets and supporting the



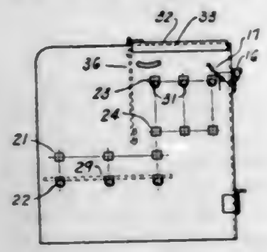
rollers of the upper and lower reaches of said chain, shovel-like cutters mounted at intervals on said chain belt and presenting snow cutting edges, means for guiding the snow into the path of said cutters, and means for directing the snow discharged from said cutters.

2,408,858
ADJUSTMENT AND TESTING OF CRYSTAL RECTIFIERS
Eugene O. Keizer, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1943, Serial No. 512,150
9 Claims. (Cl. 250—20)



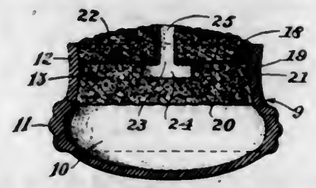
1. The method of testing a microwave detector providing signal and noise output current components comprising employing said detector as a mixer in a microwave superheterodyne circuit, applying unmodulated and modulated microwave currents of different frequencies to said detector, deriving therefrom modulated difference-frequency currents and indicating the efficiency of said detector in terms of the modulation signal-to-circuit noise current ratio of said derived currents.

2,408,859
OUTDOOR COOKING APPARATUS
William E. Leake, Jr., Birmingham, Ala., assignor to W. E. Leake Company, Inc., a corporation of Alabama
Application August 17, 1945, Serial No. 611,174
3 Claims. (Cl. 126—9)



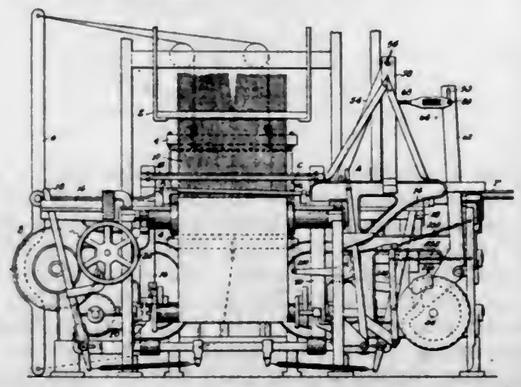
1. An outdoor cooker comprising spaced apart, sheet metal sides each having a plurality of forwardly disposed rows of horizontally aligned spaced holes therein, a plurality of rearwardly disposed rows of horizontally aligned, spaced holes in the sides disposed at a higher elevation than the forwardly disposed holes, a back detachably connecting the sides, a cover over the rearward portion of the apparatus spanning the sides and adjoining the back, and a front hingedly connected to the forward edge of the cover and freely depending downwardly between the sides at the rear of the forwardly disposed rows of holes and in front of the rearwardly disposed upper rows of spaced holes, to form an oven.

2,408,860
FACIAL CLEANER
George L. Lindblad, Chicago, Ill.
Application February 24, 1944, Serial No. 523,719
2 Claims. (Cl. 15—244)



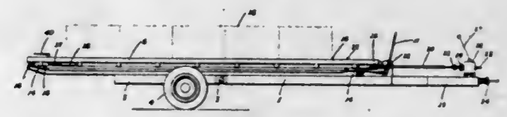
1. A facial cleaner comprising a cup-like member formed of rubber-like material and having substantially straight side walls cooperating to form a sponge receiving section, a sponge secured to the inner surface of the side walls and having an exposed skin engaging surface terminating adjacent the open end of the member, and an impervious flexible membrane provided with an opening dividing said sponge into inner and outer parts, the outer part of said sponge having an unobstructed passage leading from the opening in said membrane to the skin engaging surface of said sponge, the base of said member being collapsible and rounded outwardly from the inner surface of the sponge to form therewith an air pocket, whereby when the sponge is applied to the face, the base may be collapsed and constitute a diaphragm to force the air in the pocket through the sponge without substantially compressing the same and thereby produce a gentle respiratory action upon the skin.

2,408,861
LOOM
Leroy N. Linscott, Yonkers, N. Y., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y., a corporation of New York
Application October 12, 1943, Serial No. 505,912
8 Claims. (Cl. 139—127)



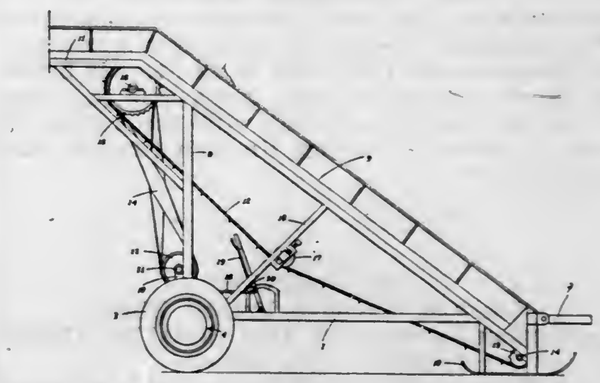
1. In a loom for making a looped pile fabric, pile filler gripping means adjacent one edge of the shed, pile filler severing means adjacent the other edge of the shed, a hollow needle, said needle having an opening intermediate the ends thereof, a plunger positioned in said opening, a plunger-operating cam, means to actuate said cam to depress said plunger to secure the pile filler in said needle, means to move said needle transversely of the shed and present the leading end of the pile filler in position for gripping by said gripping means, means to actuate said gripping means to grip said leading end presented by said needle, means to actuate said plunger-operating cam to withdraw said plunger to release the pile filler from said needle, means to retract the needle to its original position, means to actuate the severing mechanism to sever the pile filler after the needle has been retracted to its original position, and means to actuate said gripping means to release said pile filler.

2,408,862
VEHICLE BED UNLOADING DEVICE
Edward Lisota, Patterson, Calif.
Application June 25, 1945, Serial No. 601,411
1 Claim. (Cl. 214—85)



In a vehicle, a longitudinally extending main frame including a front section and a rear section secured together in articulated relation whereby the rear section is rearwardly tiltable, a bed disposed above and supported by the main frame, said bed being fixed to the rear section for rearward tilting therewith, means normally but releasably maintaining the bed against tilting, a load engaging member extending above the bed for movement lengthwise thereof, and power actuated means connected to said member operative to move the same in opposite directions, selectively; said vehicle including transversely spaced supporting wheels journaled in connection with said rear frame section and about the axis of which wheels said rear section pivots upon tilting thereof.

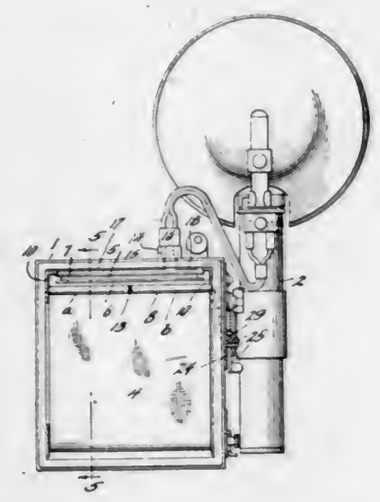
2,408,863
BALED HAY ELEVATOR
Edward Lisota, Patterson, Calif.
Application August 24, 1945, Serial No. 612,330
8 Claims. (Cl. 198—233)



1. Drive mechanism for a baled hay elevating implement which includes an upwardly inclined endless draper mounted on a wheel supported frame, said mechanism comprising an axle driven from one wheel of the implement, an upstanding

member mounted for swinging movement lengthwise of the implement about said axle as an axis, a cross shaft journaled on and movable with said member, an endless drive assembly between the axle and said cross shaft, the member being swingable without interfering with said endless drive assembly, an endless belt drive assembly between the cross shaft and the draper adjacent the upper end of the latter, and means to adjustably position said member whereby to place said endless belt drive assembly in or out of operation, selectively.

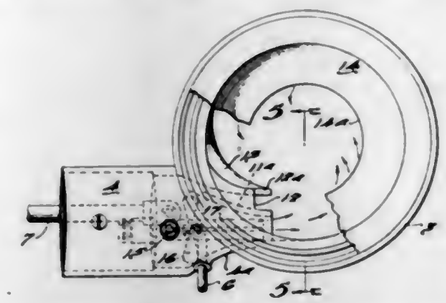
2,408,864
FLASH SYNCHRONIZER FOR FOCAL-PLANE SHUTTERS
Frank J. Longbottom, Philadelphia, Pa.
Application November 6, 1944, Serial No. 562,105
6 Claims. (Cl. 67—29)



2. A synchronized flash mechanism for a focal plane camera having metal protecting strips along the edges of its several windows and a flash gun; in combination with a metal roller mounted near the top of the camera and in physical contact with the back of the focal plane curtain, the roller provided with an insulated gap between its ends, an electric socket, and the ends of the roller electrically connected with said socket, the socket adapted to receive the lead wires from the flash gun, an electric safety switch also in the circuit between the roller and the flash gun, the said switch adapted to be automatically closed on the release of the curtain and the leading metal strip extending along the edge of a pre-determined window and adapted to electrically bridge the gap in the roller when contacting the same on its downward movement with the curtain to thus complete the circuit through the gun and fire the same.

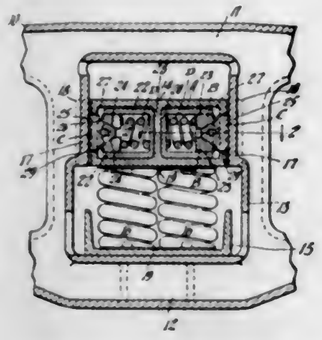
2,408,865
OIL BURNER
Henry D. Mackaye, Detroit, Mich.
Application February 23, 1945, Serial No. 579,423
7 Claims. (Cl. 158—28)

1. A pot-type oil burner comprising a substantially cylindrical open top pot lined with fire glazed sillimanite, an annular refractory cover for said pot formed of glazed fired sillimanite and having a flange extending upwardly and outwardly from the central opening to the circumference thereof, a fuel feeding duct, a nozzle for discharging a stream of a liquid hydrocarbon fuel into said duct, said duct having a passage of reduced size near its mouth to provide for an accelerated rate of discharge of a fuel and air stream from the mouth thereof, a separate air feeding duct, said ducts each having a discharge port communicating with the interior of said pot and arranged to discharge separate streams of products of combustion and air on lines substantially tangent to the inner circumference of said pot, a power driven fan connected with said ducts and adapted to supply air under pressure thereto, a fuel and air mixing device lo-



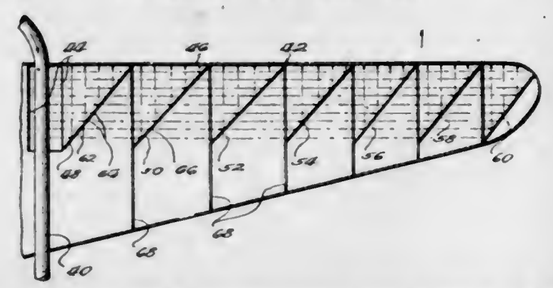
cated within said first named duct and comprising a rotatable air driven blade type impeller located in said duct adjacent the point of fuel discharge and adapted to break up a fuel stream discharged thereon through said nozzle and admix the broken up fuel stream with sufficient air to provide a primary combustible mixture, an ignitor located in said duct adjacent said impeller and adapted to ignite the primary mixture within said duct to effect initial combustion of said primary mixture within said duct, the gaseous products of said initial combustion upon entry into said pot admixing with air from said air duct.

2,408,866
RAILWAY CAR TRUCK
Leonard A. Marquardt, Elmhurst, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 29, 1943, Serial No. 489,017
7 Claims. (Cl. 105—197)



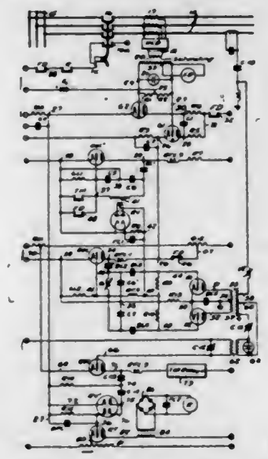
7. In a railway car truck, including a truck side frame having vertical bolster guides thereon, the combination with a bolster presenting an interior chamber at one side thereof; of a friction unit within said chamber, said unit including a pair of sliding wedge blocks, and a friction shoe between the blocks of said pair and in wedging engagement with the latter, said friction shoe projecting outwardly of said bolster and bearing on the corresponding bolster guide; and spring means forcing said wedge blocks of said pair outwardly against the friction shoe to press the latter against said corresponding bolster guide.

2,408,867
MEANS FOR UTILIZING RADIANT HEAT IN AIRCRAFT
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum executrix of said Henry J. De N. McCollum, deceased
Application July 22, 1942, Serial No. 451,876
4 Claims. (Cl. 244—134)



1. Apparatus for preventing the icing of airplane wings which comprises means for radiating heat energy as a beam lengthwise of each wing, and means for deflecting different portions of each beam against the leading edge of its wing.

2,408,868
CARRIER-CURRENT PHASE-ANGLE RELAYING SYSTEM
Arthur C. Mehring and Herbert W. Lensner, East Orange, and Shirley L. Goldsborough, Basking Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 10, 1944, Serial No. 534,846
23 Claims. (Cl. 175—294)



1. Terminal equipment for one terminal of a pilot-channel phase-angle relaying system for an alternating-current transmission-line, comprising line-current-responsive means for deriving a succession of substantially flat-topped operating impulses at times during positive line-current half-cycles, line-current-responsive pilot-channel means for transmitting a succession of restraining impulses to another line-terminal or terminals at times during negative line-current half-cycles of the line-current at the relaying terminal at which said terminal equipment is located, and relay-means for developing a variable operating force only during those portions of the operating impulses during which no restraining impulses are being received from a distant line-terminal.

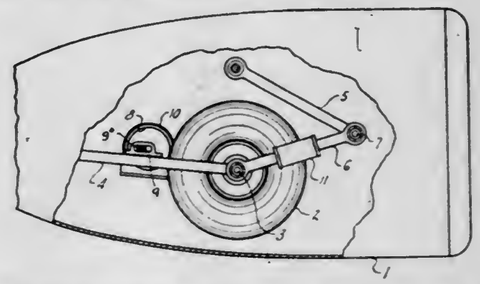
9. Terminal equipment for a pilot-channel phase-angle relaying system for an alternating-current transmission-line, comprising line-current-responsive means, operative during conditions of fault on the transmission system, for deriving an alternating-current relaying quantity at the relaying terminal, two gas tubes of the sustained-discharge type, each tube having trigger-acting control-circuit means for firing the tube, direct-current plate-cathode-circuit energization-means for said two gas tubes, interconnecting impulsing-means between the plate-cathode circuits of said two gas tubes for responding to the moment of firing of either tube in such manner as to so impulse the effective plate-cathode voltage across the other tube as to extinguish said other tube, means for so applying said relaying quantity to the control-circuit means of the two gas tubes that the tubes fire during half-cycles of opposite polarity of said relaying quantity, means for obtaining a succession of operating-voltage impulses in response to the intermittent operation of one of said two gas tubes, means including pilot-channel means for responding to the intermittent operation of the other gas tube for transmitting a succession of restraining-voltage impulses to another line-terminal or terminals, and relay-means for developing a relay-operating force of variable magnitude dependent upon the proportion of the time during which the half-cycle operating-impulses are not being blocked by restraining-impulses which are received from a distant line-terminal.

2,408,869
TOWEL RACK
Thomas W. Mullen, Evansville, Ind.
Application August 2, 1945, Serial No. 608,464
1 Claim. (Cl. 211—123)



A towel rack comprising an outwardly bowed bar with a rearwardly extending leg at each end; an inverted heart-shaped, substantially flat bracket fixed respectively to each of said legs, said legs joining said brackets above their lower margins below bracket centers to have the major bracket portions above the legs, and said brackets each having a screw securing hole therethrough spaced between the top edge portion of the bracket and above said legs; whereby the single screw will retain its bracket against rocking outwardly by said top portion under the leverage action by weight of a towel on the outwardly bowed bar, and will retain the bracket against rocking outwardly by said lower margin upon upward dragging of a towel from said bowed bar.

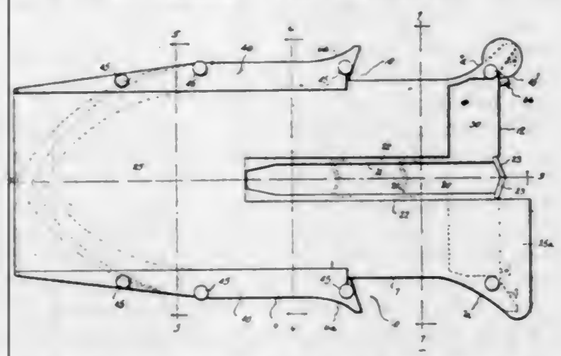
2,408,870
AIRCRAFT LANDING GEAR
Robert P. Murdoch, Mount Lebanon, Pa.
Application April 12, 1943, Serial No. 482,686
1 Claim. (Cl. 244—103)



In combination with a landing gear and landing wheels for aircraft, a positive drive for said wheel comprising a friction wheel in contact with the outer periphery of the landing wheel, an elec-

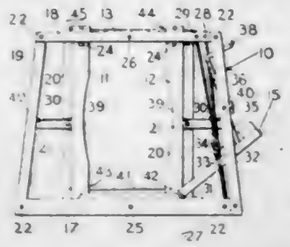
tric motor for driving said friction wheel, and means responsive to movement of the landing gear to its extended position for energizing said motor and for deenergizing the motor circuit by the impact of the landing wheel with the ground.

2,408,871
FLOATING NAVAL BASE AND HARBOR
Fred N. Nelson, Seattle, Wash., assignor to Safety Boat Company, Seattle, Wash., a corporation of Washington
Application April 5, 1943, Serial No. 481,833
14 Claims. (Cl. 114—43.5)



1. A floating, movable marine structure having a main hull and an outer protective hull portion associated directly therewith as a breakwater, and forming a prow for the structure, said main hull being extended above the said protective hull and formed with a portion overhanging the protective hull with clearance and a flight deck supported by the said main hull.

2,408,872
HOG TRAP
Park L. Newbold, Cedar Rapids, Iowa
Application September 18, 1943, Serial No. 502,995
3 Claims. (Cl. 119—98)



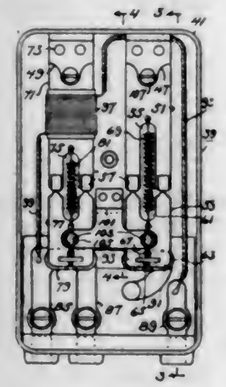
1. In a hog trap, the combination of a pair of lower parallel horizontal frame members, a pair of upper parallel horizontal frame members, a left inwardly converging side member, a right inwardly converging side member, a left perpendicular stationary attaching member with horizontal brace, a right perpendicular stationary attaching member with horizontal brace, these elements secured together by suitable means to form a frame unit, a pair of movable master holding members shaped to the contour of a hog's neck and supported between the upper and lower horizontal frame members, a pedal secured to a lower horizontal frame member, a ratchet arm attached to the pedal, an auxiliary pedal guide member placed parallel to the right diagonal side member, a bolt placed through the auxiliary and side member to engage the ratchet arm, flexible connecting means secured to the pedal, placed over and around twin sets of pulleys adjacent to the upper right frame corner, twin pulleys at the lower right frame corner and single pulleys supported between the upper and lower horizontal frame members at their centers and attached to the movable master holding members so that a downward movement of the pedal causes the master members to move toward the center at equal speed and pressure, a withdrawing spring engaged to the left diagonal frame side member and left master holding member midway between their upper and lower ends, and a withdrawing spring engaged to the right diagonal frame side member and to the right master holding member midway between their upper and lower ends for the purpose of returning the master holding members to open position as controlled by the pedal and ratchet arm.

2,408,873
SNAP ACTING THERMOSTATIC SWITCH
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application March 20, 1944, Serial No. 528,549
9 Claims. (Cl. 200—138)



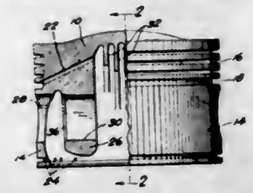
1. A snap acting thermostatic switch assembly comprising a first bimetal bar, a second bimetal bar having one end pivotally engaging one end of the first bar, the high expansion component of the two bars being on the same side of the assembly and an over-center spring having its ends connected to the intermediate portions of said bars.

2,408,874
THERMAL RETARDER
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application May 29, 1944, Serial No. 537,941
13 Claims. (Cl. 219—39)



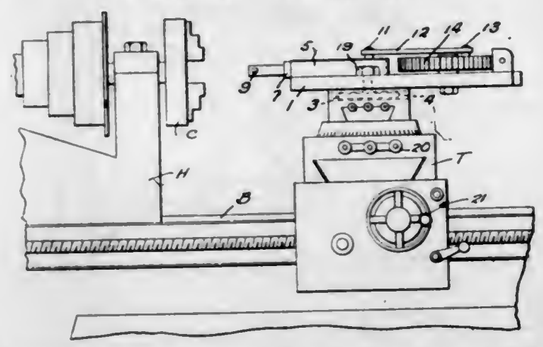
1. A thermal retarder switch unit for controlling a hot water storage tank heater circuit, comprising two bimetal snap-acting switch mechanisms, each comprising a pair of pivotally connected bimetal toggle arms, each pair having a different thermal expansion than the other pair, a heat-conducting casing for said mechanisms adapted to be mounted in heat-receiving relation on a tank, the first switch mechanism being adapted to be in closed position when subject to cold water in the tank and to move into open position when subject to hot water in the tank, the second switch mechanism being adapted to be in open position when subject to cold water and to hot water in the tank and a heating coil for said second mechanism adapted to heat the same and cause closure thereof at a predetermined higher than that of hot water temperature.

2,408,875
PISTON
Wright A. Parkins, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 3, 1942, Serial No. 467,765
2 Claims. (Cl. 309—8)



2. An extruded piston for an internal combustion engine comprising a head, a skirt depending from said head and integral therewith, spaced bosses integral with said head extending in free spaced relation with said skirt and terminating substantially in the plane of the open end of said skirt, a circumferentially continuous inwardly swaged flange around the open end of said skirt projecting inwardly over the interior surface of said skirt, and aligned bores in said bosses for receiving a piston pin.

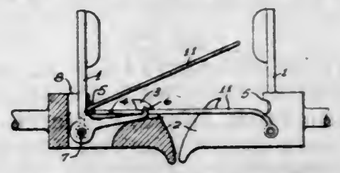
2,408,876
ATTACHMENT FOR LATHES
Jack Pigott and Norris B. Opheim, Newport News, Va.
Application January 29, 1945, Serial No. 575,022
2 Claims. (Cl. 90—39)



1. Shaper attachment for lathes comprising a base, means for removably securing the base on the tool carriage of the lathe, parallel guides on the base, a slide operable between said guides, said slide formed at one end with means for holding a tool, a worm gear mounted on the base, a link eccentrically connecting the gear with the slide, a worm shaft extending transversely of the base, the ends of said worm shaft adapted to connect to a source of rotary power, and the worm engaging the worm gear.

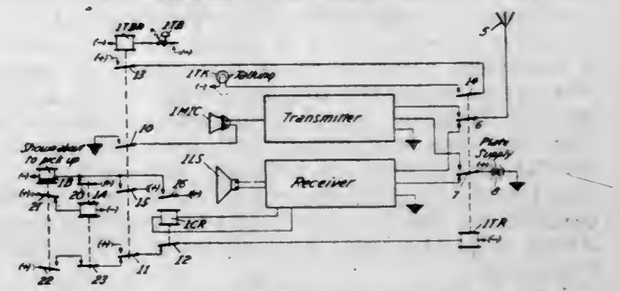
2,408,877
COUPLING FOR MODEL RAILWAY VEHICLES AND THE LIKE
Thomas Pinder, Scarborough, England
Application April 5, 1943, Serial No. 481,921
In Great Britain April 22, 1942
3 Claims. (Cl. 213—178)

1. An automatic coupling and uncoupling mechanism for railway vehicles comprising a fixed coupling member arranged to detachably receive a coupling link of an adjacent vehicle, said coupling member having a gap platform thereon, a substantially L-shaped lever pivoted on said coupling member, said lever having a normally vertically disposed arm and a horizontal arm normally resting on the platform, said coupling member having means engaging the vertical arm when the latter is moved rearwardly to limit the movement thereof, and said coupling member having stops arranged to be engaged by the coupling hook link of the adjacent vehicle, the hook link of the adjacent vehicle, upon rearward movement of said hook link will rotate said vertically disposed arm about its pivot support



to contact said rearward movement limiting means on said coupling member, said rotation of said arm will cause the front portion of said horizontal arm to be moved upwardly above said gap platform and said fixed coupling member, said horizontal arm thus serving as a guide means for said hook link to elevate said hook link above said coupling member during an uncoupling operation the parts being constructed and arranged so that when two vehicles are coupled together and the hook link is moved suddenly or sharply to impact against the vertical arm it moves the latter rearwardly and the horizontal arm upwardly to allow withdrawal of the hook link from the coupling.

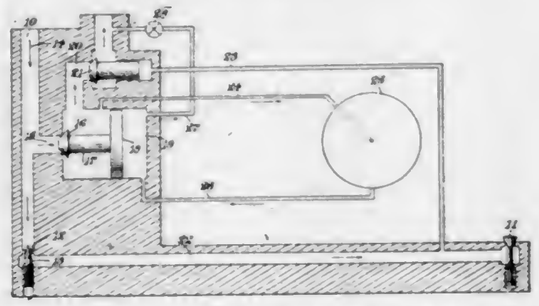
2,408,878
COMMUNICATION SYSTEM
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 28, 1945, Serial No. 580,224
21 Claims. (Cl. 250—6)



1. In a system for communicating instructions from a primary station to a secondary station by modulation of a carrier frequency, transmitting equipment at one primary station including a transmitter for generating a carrier frequency and modulating means for modulating that carrier frequency in accordance with the intelligence to be communicated to another secondary station, impulsing means at said primary station normally acting to render said transmitter active for a short time at regular spaced intervals to provide spaced pulses of carrier frequency without modulation, manually operable means at said primary station operable by an operator when he desires to communicate instructions to the secondary station for controlling said transmitter to provide a steady carrier frequency and at the same time rendering said modulating means effective to modulate said carrier frequency, receiving means at the secondary station includ-

ing relay means energized in response to said carrier frequency with or without modulation, indicating means at said secondary station, and means effective only if said relay means is intermittently energized and deenergized in response to the transmission of spaced carrier frequency pulses for maintaining said indicating means inactive, whereby said indicating means is rendered active by the transmission of a sustained carrier frequency as soon as the operator at the primary station starts to communicate with the secondary station, and whereby said indicating means is automatically rendered active in the event of failure in the transmission or reception of said carrier frequency.

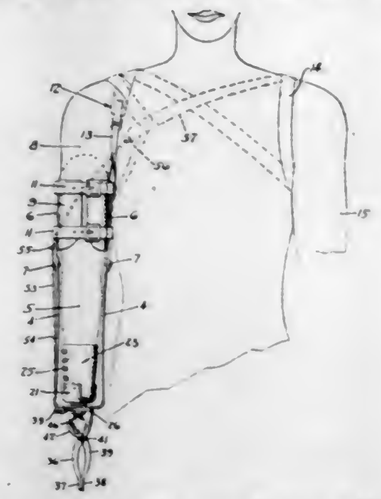
2,408,879
CARBURATION APPARATUS FOR INTERNAL-COMBUSTION ENGINES AND THE LIKE
Cyril Alphonso Pugh, Ilford, England, assignor to The Plessey Company Limited, Ilford, England, a British company
Application April 21, 1932, Serial No. 483,876
In Great Britain September 8, 1941
7 Claims. (Cl. 123—119)



1. A carburation system for supplying liquid fuel to an engine comprising in combination a fuel jet, a fuel conduit through which fuel is supplied under pressure to the jet, a pressure relief valve opening from the fuel conduit, a metering orifice in the fuel conduit situated at a position therein between the jet and the connection of the conduit with the pressure relief valve, a centrifugal pump to which fuel is supplied, means to drive the pump at a speed which maintains a constant relation to engine speed, a regulating chamber for the pressure relief valve, a transversely disposed movable element situated within the chamber and dividing it into two parts, an operative connection between the movable element and the pressure relief valve, and conduits connecting the two parts of the chamber respectively with the inlet and outlet of the centrifugal pump.

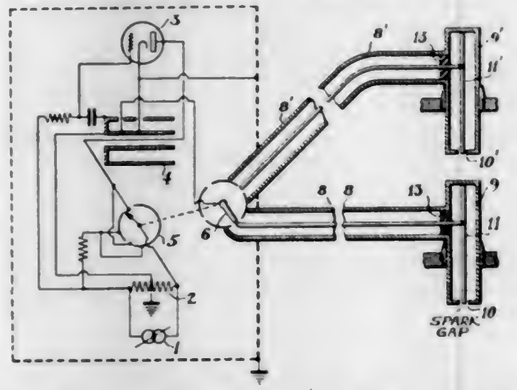
2,408,880
ARTIFICIAL HAND
Paul A. Rebers, Minneapolis, Minn.
Application April 28, 1943, Serial No. 484,828
5 Claims. (Cl. 3—12)

1. In an artificial hand, a supporting member adapted to be secured to an arm above the elbow, a shaft rotatably mounted in the lower end of the support, a sleeve secured to one end of the shaft adapted to receive the stump of the forearm, a notched plate mounted for rotary adjustment about the axis of said shaft, a spring-actuated dog engageable with the notched plate for locking it in adjusted position on the supporting member, a finger member fixed to the plate, a second finger member mounted for pivotal movement on the fixed finger, means for actuating said movable finger upon rotation of said shaft, and a harness supported on the shoulders of the wearer and having an operative connection with said dog whereby the dog may be moved out of locking engagement with the notched plate by movement of the arm and shoulder, thereby to



permit the fingers to be rotatively adjusted with respect to the shaft to facilitate positioning the fingers with respect to the article or work to be performed, by rotation of the forearm relative to the support.

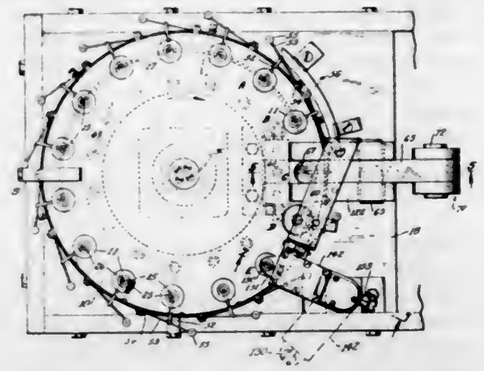
2,408,881
ULTRA HIGH FREQUENCY IGNITION SYSTEM
Francis X. Rettenmeyer, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1942, Serial No. 445,046
20 Claims. (Cl. 315—39)



1. An ignition system including a source of ultra-high frequency oscillations, means for pulsing said oscillations, at least one spark gap device comprising a resonant line including one of said gaps and upon which standing waves may be established at said ultra high frequency, and means including separate low impedance transmission lines alternately connecting said source to each of said spark gap devices at a point intermediate a voltage node and voltage loop of said standing waves on said resonant line.

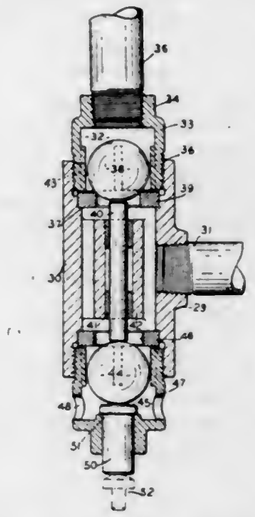
2,408,882
SWAGING MACHINE
Leo Robbins, New York, N. Y., assignor to Roberts Manufacturing Co., New York, N. Y.
Application September 25, 1943, Serial No. 503,790
18 Claims. (Cl. 29—208)

1. In a swaging machine having a movable table and a support mounted in said table, said support being adapted to carry the articles to be swaged, characterized by means for swaging articles by the application of pressure without introducing stresses and strains in the table due



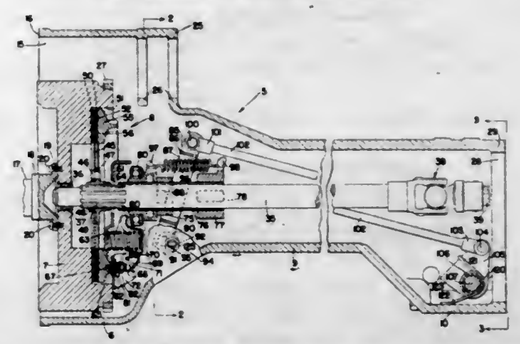
to twisting moment, said last named means including movable members, one member engaging each end of the support, and means for applying equal pressure to said movable members.

2,408,883
SOLENOID CONTROLLED VALVE
Fredrich J. Rode, Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application October 1, 1942, Serial No. 460,427
2 Claims. (Cl. 277—21)



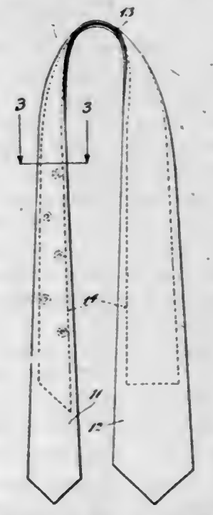
1. A valve mechanism adaptable for actuation by a solenoid mechanism comprising a valve casing; a pair of interconnected valve members in said casing independently alignable and operated by mechanical pressure in one direction and by their own weight in the opposite direction; means loosely interposed between said valve members for transmitting force from one of said valve members to the other valve member; a plunger reciprocable in said casing independently of said valve members and receiving the weight of at least one of said valve members, said plunger having an end adapted to be engaged by a moving member, such as a solenoid armature, for movement in one direction for actuating the valve members; and means associated with said valve casing for limiting movement of the plunger in the opposite direction for causing disconnection of said plunger and moving member and for positioning one of said valve members in one of its valve controlling positions.

2,408,884
CLUTCH ADJUSTING MECHANISM
Harvey G. Rollin, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 4, 1944, Serial No. 525,084
8 Claims. (Cl. 192—111)



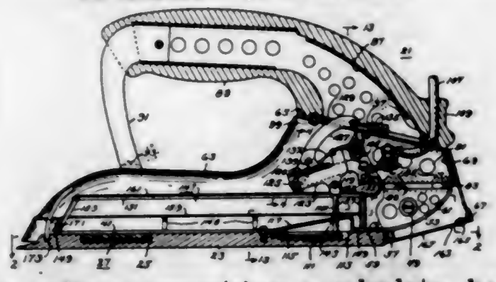
1. In a power transmission device including a housing and a releasable clutch, a transmission shaft connected thereto, and a throwout member for said clutch disposed within said housing, and an actuating rockshaft journaled in said housing spaced from said throwout member, the combination of a throwout lever disposed in said housing for actuating said member, a connecting rod extending within said housing between said rockshaft and said lever, a fulcrum support on which said lever is pivoted, means for pivotally mounting said fulcrum support within said housing including a shaft fixed to said support eccentrically relative to the pivot axis of said lever, said shaft being journaled in an aperture in a wall of said housing and extending outwardly through said housing wall, and means for fixing said shaft to said housing wall in angularly adjusted position.

2,408,885
NECKTIE
William S. Romme, Stamford, Conn.
Application December 9, 1943, Serial No. 513,542
5 Claims. (Cl. 2—155)



4. A necktie comprising a neckband portion, a standing portion, a knot forming portion and a lining; a longitudinal series of obstructions removably attached to said lining, said obstructions being attached on the part of said lining which is carried within the adjoining parts of the neckband portion and the standing portion of the necktie and becoming trapped in the knot when tied to prevent slipping of the standing part back through the knot when the knot is tightened.

2,408,886
ELECTRIC IRON
Frank W. Scharf, San Gabriel, Calif., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application November 1, 1941, Serial No. 417,437
13 Claims. (Cl. 219—25)



1. A sadiron comprising a soleplate, heating means for the soleplate, a housing for the iron forming with the soleplate an air chamber, and rigid supporting means supporting the housing in spaced relation to the soleplate and being confined to the local area of the rear end of the iron, said supporting means comprising a pair of spaced supports secured to the rear edge portion of the soleplate and a skeleton frame upstanding from said supports and being secured to the local rear end portion of the housing.

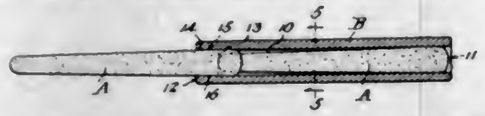
2,408,887
SCREW DRIVER
Carl A. Schriner, Defiance, Ohio, assignor of one-half to Lester A. Snyder, Defiance, Ohio
Application June 18, 1943, Serial No. 491,281
5 Claims. (Cl. 145—50)



1. In a screw driver adapted to grippingly engage a screw, in combination, a hollow tubular member closed at one end and having a slot in said closed end, curved resilient strips fitted within said tubular member, said resilient strips being bowed away from each other and having portions of reverse curvature protruding through the slot in said tubular member to engage the kerf in a screw, means preventing longitudinal motion of said strips in said tubular member, and a slotted member slidably mounted in said tubular member and adapted to force said strips together within said tubular member thereby separating the ends of the reverse curvature portions of said strips exterior of said tubular member to grippingly engage the kerf of a screw.

2,408,888
MANICURE DEVICE
Charles T. Shoop, College Point, N. Y.
Application June 24, 1944, Serial No. 541,901
2 Claims. (Cl. 132—76.2)

1. In a manicure device, a plurality of emery boards and a holder and handle member therefor including an elongated body formed with a longitudinal chamber of a length approximating the length of the emery boards and opening through the rear end face thereof and terminating in spaced relation to the opposite forward end face of the same, said chamber being of a height to accommodate said emery boards arranged in superimposed relation and of a width slightly less than the major width of said emery boards so as to frictionally retain said boards therein, said body having a slot opening through said forward end face and extending therefrom to and communicating with the chamber adjacent the upper portion thereof, said slot being

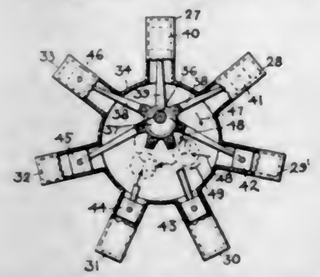


of a height equal to the thickness of a single emery board and having outwardly converging opposite side walls spaced apart a distance slightly less than the spacing of the side edges of the major width of the rear end of the emery board, and said body having an elongated notch of lesser width than and communicating with the chamber and opening through the rear end face of the body.

2,408,889
PRODUCTION OF ORGANIC COMPOUNDS
Nancy Short, Runcorn, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 14, 1944, Serial No. 568,215. In Great Britain January 12, 1944
6 Claims. (Cl. 260—486)

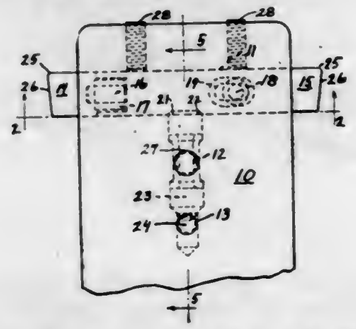
1. A process for the production of an acrylyl compound which comprises adding vinylidene chloride to a mixture of sulfuric acid and a member of the group consisting of formaldehyde and polymers thereof, said mixture containing an amount of water such that the concentration of the sulfuric acid is not greater than 85%, and the ratio of 98% sulfuric acid to formaldehyde, by weight, contained in the mixture is at least 442 to 120, the reaction mixture being maintained at a temperature between 30° C. and 60° C. during the addition of vinylidene chloride.

2,408,890
INTERNAL-COMBUSTION ENGINE
Theodor P. Soprounoff, New York, N. Y.
Application July 8, 1943, Serial No. 493,814
7 Claims. (Cl. 123—55)



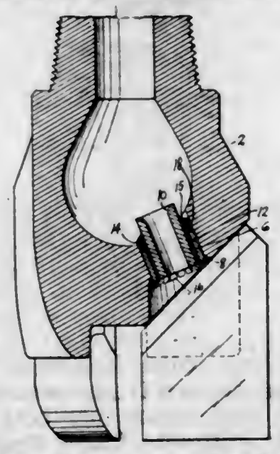
3. A multicylinder internal combustion engine having a crankcase with a crankshaft, cylinders radially extending from the crankcase, and pistons in the cylinders with connecting rods; in combination, an eccentric rotatively supported on the crankpin of the crankshaft; a collar rotatively mounted on the eccentric rigidly connected to the inner end of one of the connecting rods; and means for connecting the inner ends of the other connecting rods with the collar, the firing order of the cylinders being so arranged as to produce a component force of an explosion in one cylinder and compression in another cylinder acting on successive peripheral portions of the collar for causing the eccentric to rotate, thereby varying the compression space in the cylinders the variations in the strokes being effected solely by the component force.

2,408,891
CUTTER
Herman L. Steiner, Muskegon, Mich., assignor to Madison Manufacturing Company, Muskegon, Mich.
Application March 9, 1944, Serial No. 525,653
2 Claims. (Cl. 77—58)



1. A boring tool comprising a boring bar having a transverse cutter receiving slot and provided with an axially disposed well communicating at one end with the slot, a pair of cutter blades arranged side by side in said slot and interrelatively and parallelly slidable on each other throughout the major portions of their length and provided at their outer ends with cutting edges, said blades being provided intermediate of their ends with centrally arranged registering transverse grooves each having converging side walls, adjusting means disposed between the blades for determining the diameter of the bore to be cut, means carried by the blades for fixing said predetermined bore, a pin disposed in the well of the boring bar and arranged to engage simultaneously the converging walls of the transverse grooves for centering the blades with respect to the boring bar, and means for engaging and forcing the pin outwardly to effect the centering of the blades and the clamping of the same within the transverse slot of the bar.

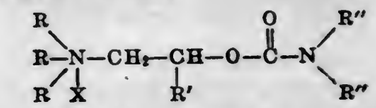
2,408,892
SLUSH TUBE
John C. Stokes, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application July 18, 1944, Serial No. 545,489
8 Claims. (Cl. 255—61)



1. In combination, a bit having an aperture therein, a bushing in said aperture, a slush tube secured within a sleeve, and said tube and sleeve positioned and secured within the said aperture and bushing, the said sleeve having at one end thereof a belled periphery and at the other end thereof an axially cut periphery.

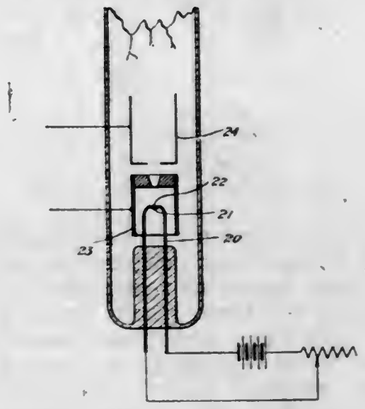
2,408,893
CHOLINE-LIKE COMPOUNDS
Kenneth C. Swan and Norman G. White, Iowa City, Iowa
No Drawing. Application August 7, 1943, Serial No. 497,858
4 Claims. (Cl. 260—482)

1. An essentially non-toxic surface-active compound of the formula



wherein R is selected from the group consisting of methyl and ethyl radicals; X is an anion; R' is selected from the group consisting of hydrogen and methyl radicals; and R'' is selected from the group consisting of alkyl radicals containing at least four carbon atoms, and the phenyl radical.

2,408,894
ELECTRODE
Constantin S. Szegho, New York, N. Y., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application May 13, 1942, Serial No. 442,837
3 Claims. (Cl. 250—27.5)

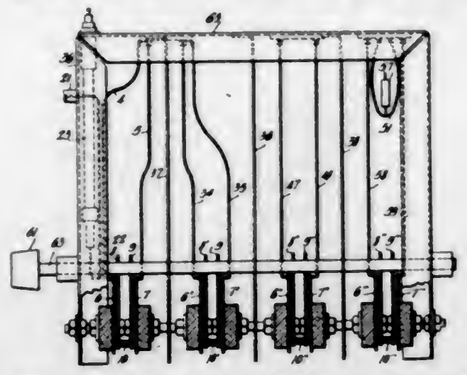


1. The method of minimizing anomalous field emission from an electrode of low melting point metal which comprises the following steps: enclosing said electrode in an evacuated envelope, and evaporating in said vessel a high melting point metal at a temperature exceeding approximately 1900° K.

2,408,895
ULTRA HIGH FREQUENCY TUNER
Alfred H. Turner, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1943, Serial No. 481,215
12 Claims. (Cl. 250—40)

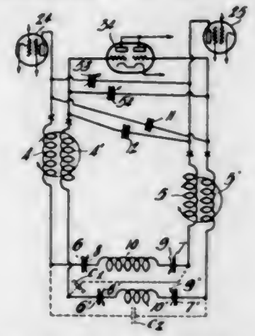
1. An ultra high frequency tuning circuit including a pair of inductive elements, at least one adjustable capacitive element, a third inductive element having an inductance at least of the order of the inductance of one of said pair of elements and movable with said capacitive element, a utilization device, means connecting one terminal of each of said pair of inductive ele-

ments to said utilization device, means connecting the remaining terminals of said pair of elements in series relation with said capacitive ele-



ment and said third inductive element, and means for adjusting said capacitive element to vary simultaneously the effective series inductive and capacitive reactance of said circuit.

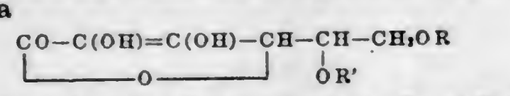
2,408,896
MICROWAVE MULTIBAND TUNER
Alfred H. Turner, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1943, Serial No. 512,107
6 Claims. (Cl. 250—40)



1. Ultra-high-frequency apparatus including a plurality of inductively coupled tuning circuits each comprising a pair of resonant lines and adjustable means for tuning said lines, a plurality of coupling capacitors, and means connecting said capacitors between the resonant lines of different ones of said coupled circuits at predetermined points on said lines to provide predetermined coupling between said circuits throughout the tuning range of said circuits.

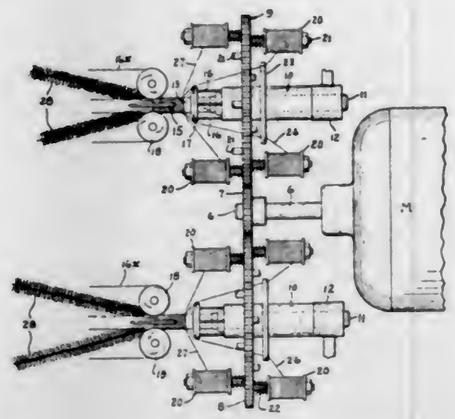
2,408,897
DERIVATIVES OF ISOASCORBIC ACID
Percy A. Wells, Abington, and Daniel Swern, Melrose Park, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture
No Drawing. Application May 11, 1942, Serial No. 442,557
7 Claims. (Cl. 260—344.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. Isoascorbic compounds represented by the formula



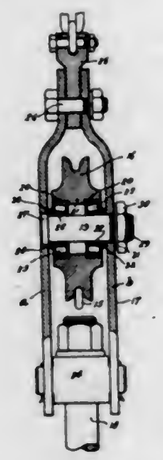
wherein one of the substituents R and R' represents an acyl radical of a saturated aliphatic monocarboxylic acid and the other represents a hydrogen atom.

2,408,898
CHENILLE MAKING MACHINE
Joseph Wilmsen, Rushland, Pa.
Application November 19, 1945, Serial No. 629,491
1 Claim. (Cl. 57—24)



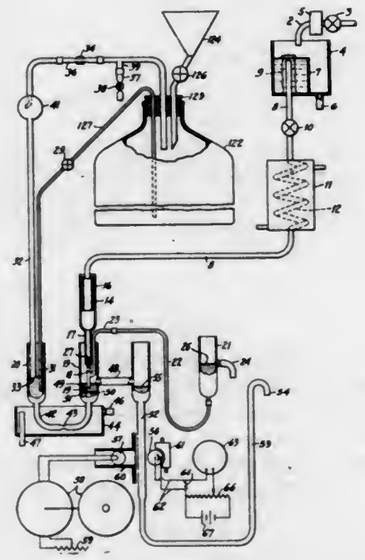
The combination with a tinsel making machine of a spool head for supplying strands of tinsel to the forming bar of said machine, said head comprising a relatively small body of a size to fit the dimensions of a conventional machine of this type, a first plurality of spools on one face of said head, a second plurality of spools disposed on the opposite face of said head in staggered relation to the first mentioned spools, and a plate rotatable with said head and having apertures therein for passage of strands from said second plurality of spools therethrough, there being apertures in said head registering with the apertures in said plate for passage of strands from said second plurality of spools in the direction of the strands from the first plurality of spools.

2,408,899
TAKE-UP FOR ROLLER BEARINGS
Hal F. Wright, Lisbon, Ohio, assignor to Chester Manufacturing Company, Lisbon, Ohio, a firm composed of Hal F. Wright and Mary T. Wright
Application March 5, 1945, Serial No. 581,124
4 Claims. (Cl. 308—208)



1. A take-up for roller bearings including a frame comprising spaced frame members, a shaft located through said frame members and having a head upon one end, one frame member having an opening in which said head is located, the other end of the shaft being threaded and extending through an opening in the other frame member, a nut upon said threaded end of the shaft abutting the outer side of the adjacent frame member, spaced roller bearing cones mounted upon the shaft, one cone abutting the last named frame member and the other cone abutting the head upon the shaft, a rotatable member surrounding the shaft, spaced cups within the rotatable member, and rollers between the cups and cones.

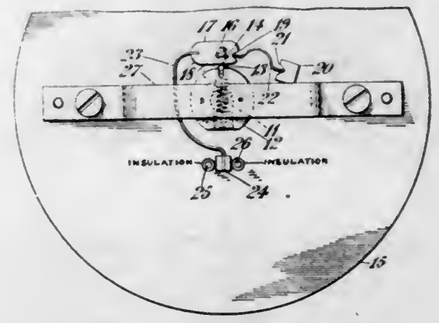
2,408,900
METHOD AND APPARATUS FOR DETECTING SUGAR
Paul W. Alston, Berkeley, and Erwin E. Morse, Woodland, Calif.
Application March 24, 1942, Serial No. 435,940
6 Claims. (Cl. 23—230)



3. The method of continuously determining sugar in solution, which comprises the steps of providing a confined body of a liquid reagent, which is but slightly miscible with said solution, said reagent being responsive in the presence of sugar to color said solution, maintaining on the body of the reagent a layer of the solution to be tested, continuously injecting a stream of the solution through the body of the superposed solution and partially into the body of reagent to effect mixing at the interface only of the two bodies, then withdrawing a continuous flow of the resulting mixture, and finally measuring the color of said mixture in terms of the sugar content.

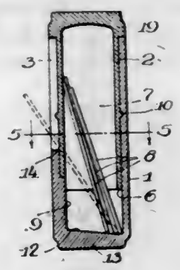
2,408,901
ELECTRIC SWITCH SENSITIVE TO SMALL OPERATING MOVEMENTS
Alfred Arnot, Warrington, England, assignor to Aeronautical & Mechanical Investments Limited, a British company
Application April 30, 1943, Serial No. 485,220
In Great Britain April 23, 1942
2 Claims. (Cl. 200—153)

1. An electric switch mechanism comprising a base, a pivoted contact-carrier mounted on the base and having a pallet-face in a plane to one side of the pivotal axis and facing away therefrom, a switch contact-member carried by the contact-carrier so as to be operated when the contact-carrier rotates about its axis, an actuating member having a portion movable towards the pivot of the contact-carrier and means to press said pallet-engaging portion against the pallet-face of said contact-carrier, said actuating member being mounted so that its line of pressure passes through the axes of said pivot and is capable of movement to either side to move



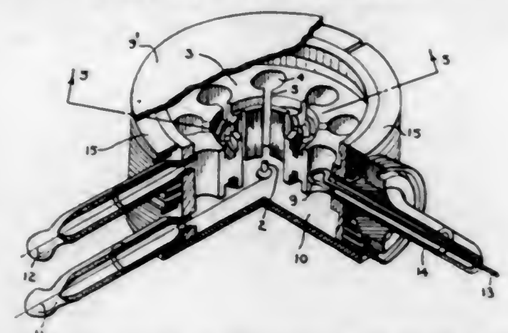
the contact-carried correspondingly, a pair of contacts adapted to be alternatively engaged by said contact-member depending on its direction of movement so that the contact member may act as a two-way switch member with a central neutral position, and a spring mounted on the base and engaging the contact-carrier in such a position as to act as a toggle-spring and thus to increase the certainty of movement of the contact-member.

2,408,902
CONTAINER FOR PENCIL LEADS AND THE LIKE
Garfield L. Beckstrom, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application May 15, 1944, Serial No. 535,630
2 Claims. (Cl. 206—56)



1. A container for leads for mechanical pencils and the like, comprising a pair of hollow telescoping members each closed at one end and each having a longitudinally extending slot extending to the open end thereof, said members being movable with relation to each other to bring the slots into and out of registry to open and close the same, one of said members having a shoulder positioned at the inner closed end of its slot and an inclined bottom slanting away from the slot, said shoulder being spaced from the bottom a distance not less than the width of the container, the slanting bottom tending to cause the leads to assume a tilted position toward the slot when the container is held upright.

2,408,903
ULTRA HIGH FREQUENCY GENERATOR
Orrick H. Biggs, Beverly, and Harold Heins, Marblehead, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application June 12, 1943, Serial No. 490,698
4 Claims. (Cl. 250—27.5)



1. An ultra-high frequency generator comprising: a radially-slotted annular conducting member having a concentric groove near its inner edge; a cylindrical cathode mounted inside said annular member, concentric therewith and spaced therefrom; and a deformable ring in said groove contacting alternate conducting pieces between the slots.

2,408,904
COLOR STABILIZATION
Howard C. Black, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 11, 1941, Serial No. 422,545
7 Claims. (Cl. 99—163)

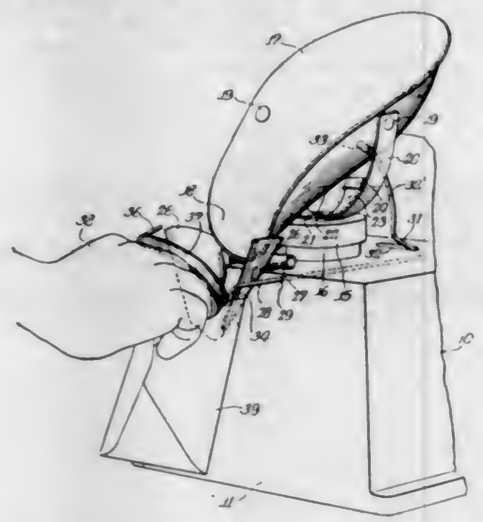
1. The process of treating oleaginous material containing gum guaiac and normally tending to become discolored in the presence of metals, which comprises incorporating in said oleaginous material an acid reacting material stronger than acetic acid in sufficient amount whereby such discoloration is substantially retarded.

2,408,905
PREPARATION OF SYNTHETIC GLYCERIDES
Howard C. Black and Charles A. Overley, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 29, 1941, Serial No. 420,942
9 Claims. (Cl. 260—410.6)

1. The method of preparing esters of polyhydroxy compounds and unsaturated higher fatty acids which comprises saturating the unsaturated bonds of an unsaturated higher fatty acid by halogenation to form a saturated higher fatty acid, converting the acid so saturated into an acid chloride, reacting the acyl derivative with at least one hydroxyl group of a polyhydroxy compound to form an ester and thereafter dehalogenating the acid radical portion of the ester to reestablish the unsaturated bonds.

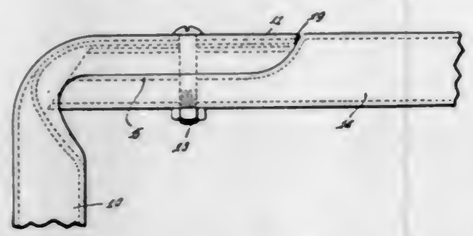
2,408,906
SCOOP DISPENSING DEVICE FOR SCALES
Alfeo Bocchicchio, Chicago, Ill., assignor to Joseph M. Zaccaria, Chicago, Ill.
Application May 12, 1944, Serial No. 535,311
5 Claims. (Cl. 265—27)

1. The combination with a scale having a fulcrumed beam, of a scoop pivotally supported on said beam, a chute positioned on said scale adjacent the discharge end of said scoop, a rock shaft journaled on said scale, a crank formed on one end of said rod and engageable with one end of said scoop, a crank formed on the other end



of said rod and positioned across said chute whereby said scoop is actuated to discharge the contents therein simultaneously with the positioning of a container in a position to receive material from said chute.

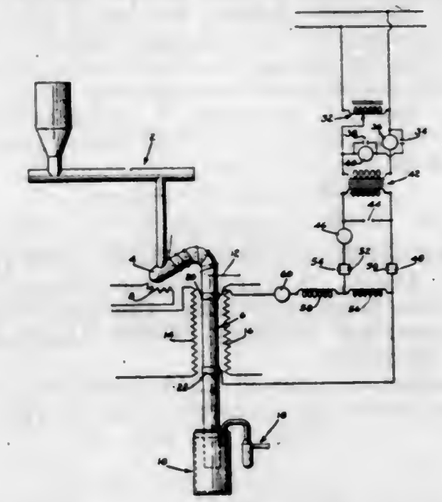
2,408,907
METAL FURNITURE
Earl C. Booth, Columbus, Ind., assignor to Nobilitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application August 31, 1944, Serial No. 552,141
9 Claims. (Cl. 287—54)



6. In combination, a cylindrical metal tubular member collapsed over a part of its length to create a portion of double thickness, a second cylindrical member, a bolt extending through the double-thickness portion and said second member for securing them together, said double-thickness portion and second member being provided with interengaging surfaces at least portions of which are disposed in planes extending longitudinally of the second member and lying on opposite sides of and substantially parallel to said bolt.

2,408,908
METHOD OF PRODUCING ANTIRACHITIC MATERIAL
Lester F. Borchardt, Minneapolis, Minn., assignor, by mesne assignments, to General Mills, Inc., a corporation of Delaware
Application May 2, 1934, Serial No. 723,539
13 Claims. (Cl. 204—166)

1. The process of treating an activatable substance to develop therein the anti-rachitic (vitamin D) property, which comprises heating and vaporizing said substance, and subjecting the same to solely a high frequency electrical discharge between spaced electrodes, while in the vapor state.



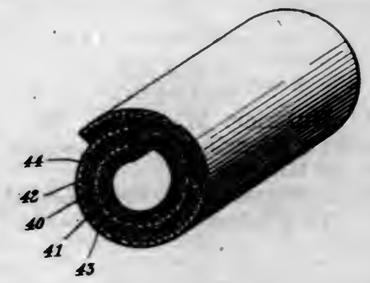
2,408,909
ANNULAR FLUID SEAL
Olin Brummer, Oak Park, Ill.
Application June 24, 1944, Serial No. 541,870
3 Claims. (Cl. 286—11)



1. An annular fluid seal comprising a body of rubber-like material having a central tubular part, annular diaphragm-like flange portions extending radially outwardly from each end respectively of said tubular part, said flange portions flexing axially toward and away from each other pivoting on said tubular part in compression and expansion of the seal, a cylindrical axial extension of each said flange portion extending axially outwardly of the flange portions at each end, said axial extensions moving axially toward and away from each other with movement of said flange portions, said flange portions and axial extensions forming a counterbore at each end of the seal, the corner between each flange portion and its respective axial extension being sufficiently sharp whereby the flange portions maintain substantially flange form throughout said flexing movements, and further diametrically enlarged annular face parts extending radially outwardly from the axial extensions respectively, said flange portions extending outwardly a sufficient distance and said axial extensions being of sufficient internal diameter whereby the tubular part telescopes at each end into said counterbores during compression of the seal.

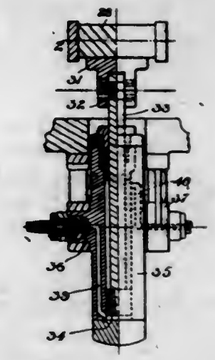
2,408,910
ELECTRICAL CONDENSER
John Burnham, North Adams, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application July 27, 1942, Serial No. 452,501
4 Claims. (Cl. 175—41)

1. An electrical condenser comprising a helically wound aluminum foil having a purity greater than about 99.85%, dense, thin, non-porous films of the bi-refringent crystalline modification of aluminum oxide electrolytically formed on opposite sides of the foil, a second electrode consisting of a moisture-impervious integral metallic coating on the inner dielectric film and a moisture-impervious insulating coating on the outer dielectric film.



2. In the manufacture of electrical condensers, the process comprising the steps, immersing an aluminum electrode having a purity greater than about 99.85% in an electrolyte selected from the class consisting of aqueous solutions of boric acid, tartaric acid and citric acid, electrolytically forming thereon at a temperature between 90° C. and 100° C. a dense, thin, non-porous film of the bi-refringent crystalline modification of aluminum oxide to a thickness corresponding to a filming voltage at least 100 volts greater than the maximum operating voltage of the condenser, drying the film so formed, and thereafter evaporating under vacuum a thin, moisture-impervious coating of one of the metals of the group consisting of lead, zinc, bismuth, tin and aluminum on the surafce of the aluminum oxide film.

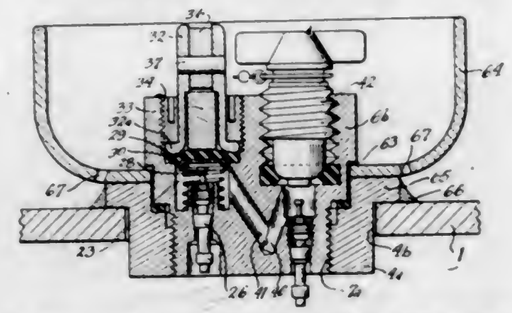
2,408,911
PLASTIC MOLDING MACHINE
Arthur A. Burry, Toronto, Ontario, Canada, assignor to Cyril Fuller
Application November 11, 1943, Serial No. 509,936
5 Claims. (Cl. 18—16)



4. A plastic molding machine comprising a base, an abutment mounted at one end of said base, a flange rigid with said base spaced from said abutment, horizontal tie rods extending from said abutment to said flange, a die block holder mounted on said tie rods adjacent to said flange, a die block holder slidably mounted on said tie rods between the aforesaid holder and said abutment, a horizontally movable hydraulically operated member mounted in said abutment, toggle links connecting said hydraulically operated member with said slidable die block holder, a rigid member extending from the toggle member connected to said hydraulically operated member

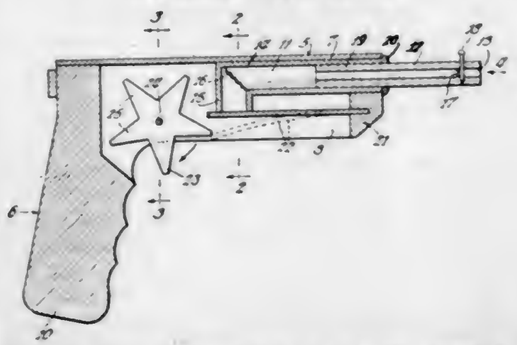
and adapted to engage in locking contact with said slidable die block holder to form a rigid strut therebetween, and means for operating said rigid locking member to first clear the rigid member from locking contact with the die block holder, then moving said die block holder longitudinally on said tie rod, and then returning the die block holder and locking same prior to the application of compression pressure by said hydraulically operated member.

2,408,912
FITTING
William C. Buttner, Winnetka, Ill., assignor to The Bastian Blessing Co., Chicago, Ill., a corporation of Illinois
Application September 19, 1941, Serial No. 411,484
10 Claims. (Cl. 222—3)



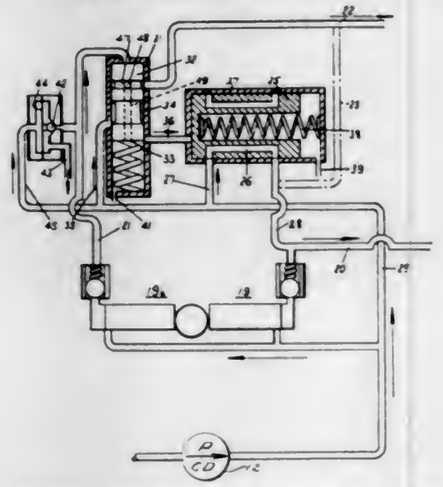
1. A fitting for use in a liquefied petroleum gas dispensing system comprising a body, a socket therein adapted for removable connection with any suitable gas conduit, a chamber in the body, a connection between the chamber and the socket, a check valve in the chamber adapted normally to prevent flow of gas through the valve into the chamber while permitting flow of gas in the opposite direction, a flexible diaphragm and means including a member removably interlocking with the valve body for holding the diaphragm in position to make a gas-tight closure for the chamber, guide means projecting from the interlocking member, a floating element in the guide means, a manually operated lever pivoted on the guide means, an eccentric associated with the lever adapted to engage the floating element and, in one position of the lever, to flex the diaphragm to cause it to open the valve to permit flow of gas into the chamber.

2,408,913
TOY GUN
Arthur C. Cimaglia, Chicago, Ill.
Application May 18, 1943, Serial No. 487,469
3 Claims. (Cl. 46—9)



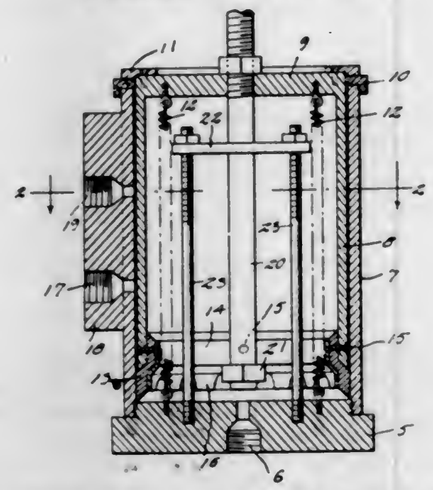
1. A toy gun comprising a hollow body, a tubular powder chamber open at both ends secured therein, said chamber being adapted to contain a quantity of non-explosive, non-combustible powder, a barrel removably secured in one end of the chamber and having a restricted discharge opening, porous retaining walls extending across the hollows of the chamber and barrel for preventing accidental escape of the powder, and a resilient element adapted to strike against the open inner end of the chamber whereby to produce sound simulating the sound of an explosion and simultaneously to compress air in the chamber and thereby discharge a small quantity of the powder from the barrel whereby to simulate a puff of smoke.

2,408,914
PRESSURE LUBRICATION SYSTEM
Thomas Clark, Edward Victor Windsor, and Laurence Hart, Coventry, England, assignors to Armstrong Siddeley Motors Limited, Coventry, England
Application October 25, 1943, Serial No. 507,560
In Great Britain September 17, 1943
6 Claims. (Cl. 184—6)



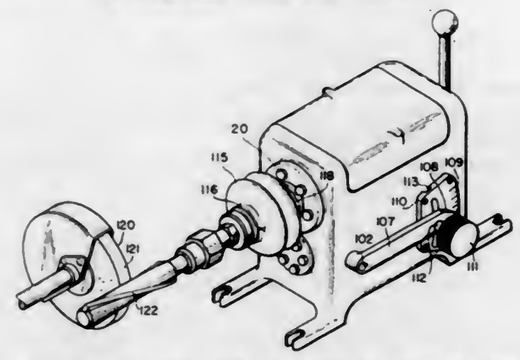
1. A lubrication system including a main constant-pressure pump, a metering pump interposed between the main pump and a point to be lubricated, means by which the metering pump is by-passed when starting up, and means for automatically closing the by-pass after a predetermined time-lag.

2,408,915
PISTON
Ben Cones, Indianapolis, Ind.
Original application June 24, 1943, Serial No. 492,099. Divided and this application February 2, 1945, Serial No. 575,838
1 Claim. (Cl. 309—4)



In a piston construction including a skirt portion adapted for working in a cylinder, a sealing ring secured to the inner lower edge of the skirt of the piston and projecting below the lower edge of the piston, a clamping ring positioned within the sealing ring, and spring fingers on the lower edge of the clamping ring and responsive to internal pressure in the piston to expand the lower edge of the sealing ring against the wall of the cylinder.

2,408,916
BIT SHARPENER
André Crot, North Hollywood, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application October 6, 1944, Serial No. 557,412
4 Claims. (Cl. 51—232)

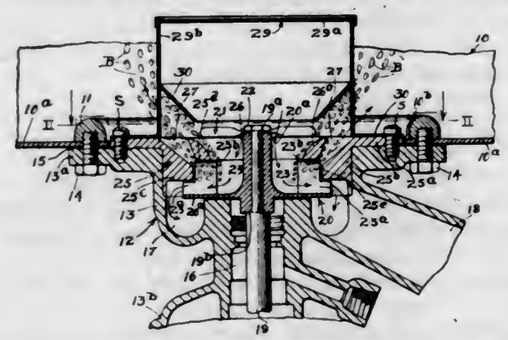


2. Apparatus for machining a helical surface comprising chucking means for a workpiece to be machined, a coaxial shaft rotatably and axially reciprocatably supporting said chucking means, a lead screw positioned parallel to and adjacent said shaft, drive means coupling said lead screw and said shaft together for simultaneous rotation at a fixed ratio, a nut on said screw axially movable in response to rotation of said lead screw, a thrust bearing associated with and adapted to move said chucking means axially, a walking beam pivotally coupled at one point thereon to said nut and at another point thereon to said thrust bearing, means to support pivotally said walking beam for angular displacement in response to axial motion of said nut whereby said thrust bearing and said nut are thus coupled together through said walking beam for simultaneous axial displacement.

2,408,917

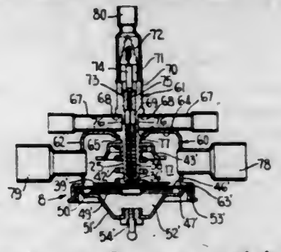
WITHDRAWN

2,408,918
SLOTTED THROAT BOOSTER PUMP
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application March 25, 1944, Serial No. 528,021
11 Claims. (Cl. 103—113)



1. In combination with a container for a pond of liquid to be pumped, a vapor separator and pump suspended on the bottom wall of said container having an inlet mouth receiving the liquid material by gravity flow from the container, a low velocity pumping chamber in said pump receiving the liquid material from said inlet, a high velocity pumping chamber receiving the liquid from said low velocity pumping chamber, bubble-liberating means in said low velocity chamber, and said pump having a vent joining said low velocity pumping chamber with the interior of the container, said vent communicating with said high velocity pumping chamber solely through said low velocity pumping chamber.

2,408,919
REFRIGERATION EXPANSION VALVE
Earnest J. Dillman and Franklyn Y. Carter, Detroit, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application April 5, 1945, Serial No. 586,668
14 Claims. (Cl. 62—8)



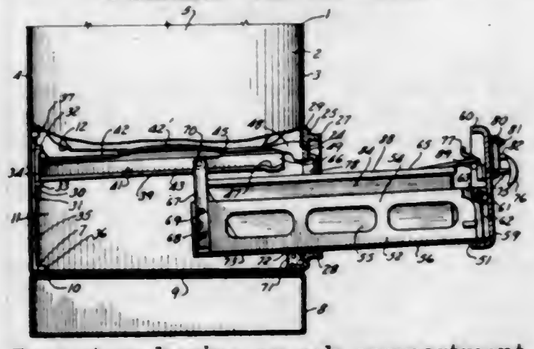
1. An expansion valve comprising a cup-like casing having an end wall and an opposite open side, a pressure responsive diaphragm closing and sealing said open side, a cap member sealed to said casing and to said diaphragm and forming with said diaphragm a temperature responsive pressure chamber, a volatile liquid in said chamber, said casing having inlet and outlet openings for flow of vaporized refrigerant medium through said casing in contact with said diaphragm, a tubular member projecting externally from said end wall concentric with said diaphragm and having a longitudinal passageway therethrough opening into said casing, a valve seat member in said passageway, a valve member in said passageway on the inlet side of said seat member, valve operating means extending through said passageway and said seat member and connecting said valve member to said diaphragm, said tubular member having an outlet from said passageway external of said casing, and means sealing said passageway around said valve operating means on the casing side of said outlet.

2,408,920
PROCESS FOR SEPARATING MERCAPTANS
Harry E. Drennan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application September 1, 1944, Serial No. 552,376
8 Claims. (Cl. 260—609)

1. In the preparation of tertiary alkyl mercaptans having twelve carbon atoms per molecule by the catalytic addition of hydrogen sulfide to tertiary olefin polymers having twelve carbon atoms per molecule wherein a crude reaction product is formed comprising essentially tertiary mercaptans having twelve carbon atoms per molecule, mercaptans having eight carbon atoms per molecule, mercaptans having four carbon atoms per molecule, and unreacted olefin polymers, said mercaptans having twelve carbon atoms per molecule being present in said crude reaction product to the extent that said product contains more

than about 3.5 weight per cent sulfur with respect to the sulfur of said mercaptans having twelve carbon atoms per molecule, the method of separating said mercaptans having eight and less carbon atoms per molecule from said mercaptans having twelve carbon atoms per molecule which comprises adding to said crude reaction product sufficient liquid hydrocarbon diluent to reduce the sulfur content thereof with respect to the sulfur of said mercaptans having twelve carbon atoms per molecule to not more than about 3.5 weight per cent of the diluted reaction product, intimately contacting the thus-diluted reaction product with a strong aqueous solution of an alkali metal hydroxide at substantially atmospheric temperatures to precipitate said mercaptans having eight and less carbon atoms per molecule as insoluble alkali metal mercaptides, said mercaptans having twelve carbon atoms per molecule remaining unprecipitated.

2,408,921
STOVE FOR BURNING SOLID FUELS AND AN ASH CONTAINER THEREFOR
Edwin Esson, Kansas City, Mo., assignor to Locke Stove Company, Kansas City, Mo., a corporation of Missouri
Application September 22, 1943, Serial No. 503,348
4 Claims. (Cl. 126—245)

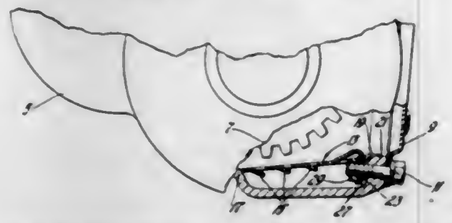


1. In a stove having an ash compartment and a grate above the ash compartment, said ash compartment having a door opening in a side thereof, a frame for the door opening, a transverse member at a side of the ash compartment opposite the door opening, rails connecting the transverse member with the door frame, a bracket supporting the transverse member from the bottom of the ash compartment, a drawer movable into the ash compartment below said rails, flanges on said rails having roller engaging portions, suspension members projecting upwardly from the rear of the drawer, rollers on the suspension members engaging said roller engaging portions of said flanges, wings on said rails extending over the roller engaging portions and under marginal edges of the grate to prevent ashes from falling upon the roller engaging portions of the flanges, and roller means supporting the bottom of the drawer adjacent the door frame.

2,408,922
SEPARATION OF DIOLEFINS BY AZEOTROPIC DISTILLATION
Theodore W. Evans, Oakland, Rupert C. Morris, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 30, 1942, Serial No. 441,246
8 Claims. (Cl. 202—42)

1. A process for separating isoprene from mixtures thereof with one or more compounds from the class consisting of mono-olefins and paraffins having vapor pressures close to that of isoprene which comprises adding isopropylamine to the mixture in a quantity adequate to form constant boiling azeotropes with each of the components thereof, subjecting the resulting mixture to fractional distillation to distill off an azeotropic fraction the hydrocarbon content of which is made up principally of the components of the original mixture other than the isoprene, continuing the distillation at a higher still head temperature to obtain an azeotropic fraction the hydrocarbon content of which predominates in isoprene, and separating the isoprene from said last mentioned fraction.

2,408,923
TRAP FOR CHIPS
Charles W. Frederick, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 12, 1945, Serial No. 577,443
2 Claims. (Cl. 74—606)



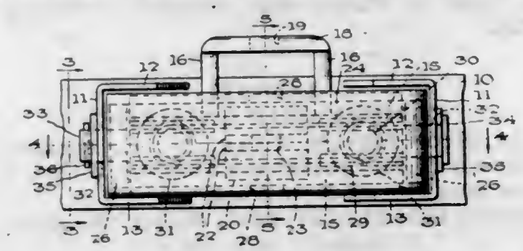
1. In a transmission gear casing having a gear therein, a chip trap beneath said gear, said trap being a plate having louvers extending at right angles to the plane of said gear whereby gear rotation forces chips through said louvers and the trap retains them beneath said plate, said plate having a U-shaped tongue, a bolt extended through a wall of said casing and through both branches of said tongue to hold the plate in position.

2,408,924
PLANT EXTRACTS AND METHOD OF PRODUCING SAME
Ole Gisvold, Minneapolis, Minn., assignor to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application January 17, 1945, Serial No. 573,311
6 Claims. (Cl. 260—619)

1. Process of separating nordihydroguaiaretic acid from a crude extract containing nordihydroguaiaretic acid and impurities dissolved in a low aliphatic ether solvent which comprises adding ethylene dichloride to said extract, evaporating said ether solvent and a portion of said ethylene dichloride until the solution is reduced to the consistency of a thin syrup, crystallizing nordihydroguaiaretic acid and washing impurities from the crystallized nordihydroguaiaretic acid by means of ethylene dichloride.

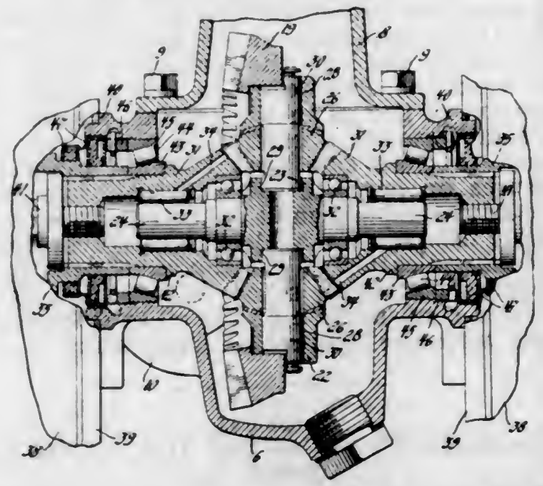
2,408,925
BUFFER AND DRAFT GEAR
John E. Graham, Huntington, W. Va., assignor to The Watt Car & Wheel Company, Barnesville, Ohio, a corporation of Ohio
Application October 10, 1945, Serial No. 621,526
12 Claims. (Cl. 213—9)

1. A buffer and draft gear comprising the combination with the end sill of a car, of a housing secured to and extending forwardly from said end sill, and having an open front end; a draft element slidably mounted in said housing, in front of said end sill; a buffer element slidably mounted in said housing, and projecting from the open front end thereof, said buffer element having side walls with elongated openings therein; compression springs interposed between said draft element and said buffer element and tending to project said buffer element from said housing; and a longitudinally removable locking bar carried by



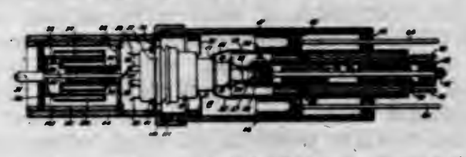
said housing, and extending transversely to the line of draft and parallel to said end sill at a fixed distance therefrom, said bar passing through said elongated openings in the buffer side walls, and in front of said draft element, and serving to limit movement of said buffer element under both buff and draft and movement of said draft element under draft, movement of the latter under buff being limited by its engagement with said end sill.

2,408,926
DRIVE AXLE
Bain Griffith, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware.
Application July 15, 1944, Serial No. 545,138
4 Claims. (Cl. 74—311)



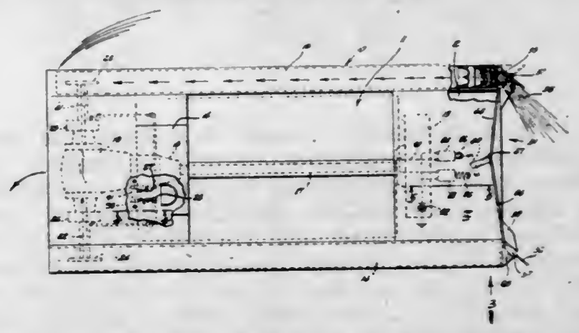
1. In combination, a differential gear carrier having centrally disposed bearing trunnions projecting oppositely therefrom, a pair of tubular supports axially spaced on opposite sides of the carrier and surrounding said trunnions, trunnion bearings internally of said tubular supports, side gears on the inner ends of said tubular supports and external splines on the outer ends thereof, a centrally disposed external shouldered abutment on each tubular support, a supporting bearing having an inner race ring seated on said shouldered abutment, a drive coupling hub fitted to said external splines in retaining engagement with said race ring and a retaining means threadedly fitted to the end of the tubular support and engaged with the coupling hub for detachable connection thereof.

2,408,927
FILTERING ARRANGEMENT
Anatole M. Gurewitsch, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 30, 1942, Serial No. 452,946
5 Claims. (Cl. 178—44)



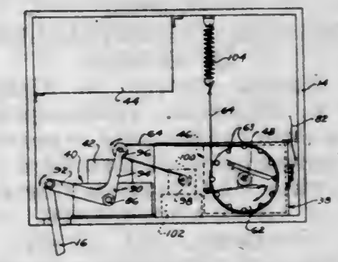
5. In combination, a high frequency system, a conductor for supplying current to a part of said system, and a high frequency filter associated with said conductor, said filter comprising a conductive tube surrounding said conductor and defining with it a coaxial transmission line, means on said conductor for providing a quarter wave discontinuity in said line, and further conductive means concentrically surrounding said tube and insulated therefrom at the frequency of said current for providing a second quarter wave discontinuity serially related to the first.

2,408,928
AMPHIBIAN STEERING MECHANISM
James M. Hait, San Gabriel, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application February 15, 1943, Serial No. 475,936
6 Claims. (Cl. 115—1)



1. In a dirigible water craft, the combination of: a hull; propulsion means provided on said hull, said means in its operation discharging a stream of water rearwardly through the air above the surface of the water sustaining said craft; a deflector mounted on said hull to be disposed continuously in said stream; and control means for turning said deflector in said stream to assist in steering said craft.

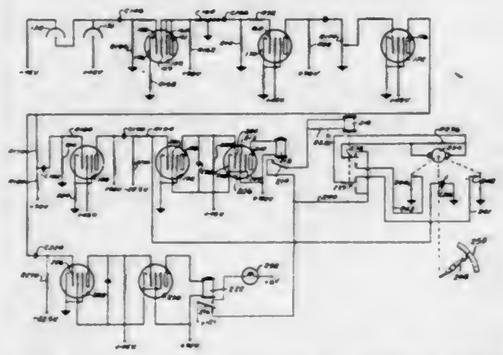
2,408,929
STEERING APPARATUS
Laurens Hammond, Chicago, Ill.
Application October 28, 1942, Serial No. 463,642
18 Claims. (Cl. 114—144)



1. In a steering control apparatus for maintaining a dirigible vehicle headed in a given direc-

tion, said vehicle having steering means for controlling its direction of movement, a servo-motor for operating the steering means, a compass mechanism having a part maintaining a fixed direction, a follow-up element movable with respect to said part, means responsive to relative motion between said part and said element to control the operation of said servo-motor, an operating connection between said servo-motor and said follow-up element, and trim correcting means responsive to the direction of heading of the vehicle with respect to said part for changing the relative position of said follow-up member and said servo-motor.

2,408,930
FREQUENCY METER
Laurens Hammond, Chicago, and John M. Hanert, Wilmette, Ill.; said Hanert assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application June 14, 1943, Serial No. 490,746
3 Claims. (Cl. 172—239)

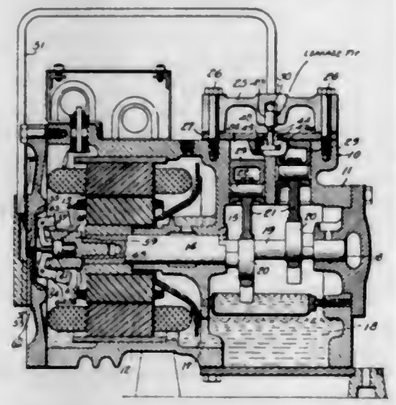


1. In a frequency responsive system, the combination of an amplifier operable to amplify and distort into a substantially rectangular wave form of constant amplitude an input signal of symmetrical wave shape and exceeding a predetermined minimum amplitude, a frequency responsive apparatus coupled to receive the output of said amplifier, a reversible electric motor, control means operated by said frequency responsive apparatus to cause rotation of said motor in one direction when the signal frequency from said amplifier exceeds a set value and to rotate in the opposite direction when the signal frequency is below said set frequency, said control means operating to maintain the motor in operation in one direction or the other at all times when the input signal to the amplifier is of significant amplitude, and means operated by said motor to change the frequency response characteristics of said apparatus in a direction to cause the set frequency of said apparatus to change in a manner to cause it to become the same as the signal frequency.

2,408,931
PROCESS FOR STRIPPING LEAD FROM BEARINGS
Robert L. Heath, George A. Fisher, Jr., and Thomas R. Holbrook, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application March 8, 1943, Serial No. 478,420
3 Claims. (Cl. 75—97)

3. A process of stripping a metallic coating from a steel-backed silver bearing, said coating consisting of a metallic material of the class consisting of lead, lead-tin and lead-indium, which consists in wiping oil from the bearing, removing any rust spots which may be present by buffing, removing any moisture from the bearing, immersing the thus treated bearing in a solution consisting of 95%, by volume, of glacial acetic acid, and 5%, by volume, of an aqueous solution containing 30% hydrogen peroxide until the coating is stripped, thereafter thoroughly rinsing the bearing in water, then in an alkaline solution, then in water and thereafter drying the bearing.

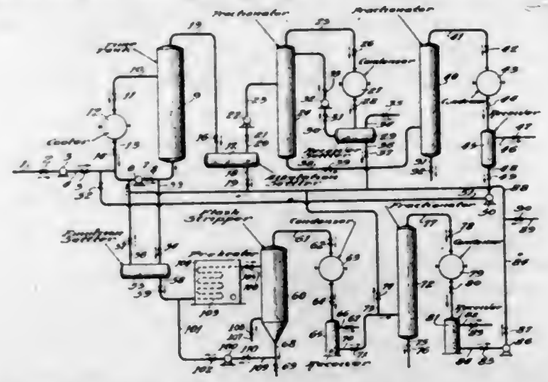
2,408,932
COMPRESSOR UNLOADER
Sylvan Roos Hirsch, Utica, N. Y., assignor to Brunner Manufacturing Company, Utica, N. Y., a corporation of New York
Application May 17, 1944, Serial No. 536,007
8 Claims. (Cl. 230—29)



1. In a refrigeration compressor, a head having a chamber provided with a port in communication with the gas passage of the compressor, conduit means in communication with said chamber and with the crankcase of the compressor to convey oil-laden gas from the chamber to the crankcase when the compressor is idle and for condensation of the oil in the conduit means when the compressor is operating, a check valve arranged to close said port through differential pressures on opposite sides thereof, said check valve having a leakage fit at the entrance of said conduit means, and a bleeder valve controlling the communication of the conduit means to the crankcase positioned so as to be sealed by the aforesaid condensation of the oil in said conduit means when the compressor is operating.

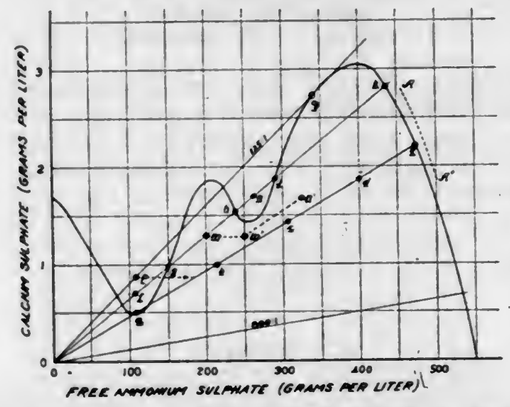
2,408,933
HYDROGEN FLUORIDE ALKYLATION PROCESS
John O. Iverson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 27, 1944, Serial No. 528,206
9 Claims. (Cl. 260—683.4)

5. A process for the regeneration of contaminated hydrogen fluoride catalyst containing accumulated organic material and water which comprises heating said catalyst under superatmospheric pressure to decompose organic fluorine compounds contained in said catalyst, introducing the heated catalyst into a flash vaporization zone and therein vaporizing hydrogen fluoride and water, removing hydrogen fluoride and water vapors overhead from said zone, withdrawing unvaporized organic material from the bottom of said zone, introducing preheated isobutane vapors into the bottom of said zone to effect the removal of hydrogen fluoride from said organic material by the stripping action of said vapors,



and removing said isobutane vapors overhead along with said hydrogen fluoride and water vapors.

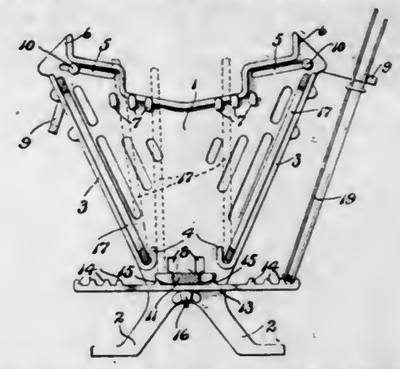
2,408,934
PROCESS FOR RECOVERING BERYLLIUM SULFATE
Bengt R. F. Kjellgren, University Heights, Ohio, assignor to The Brush Beryllium Company, Cleveland, Ohio, a corporation of Ohio
Application April 2, 1942, Serial No. 437,337
In Canada July 3, 1941
1 Claim. (Cl. 23—296)



A process for producing substantially calcium-free beryllium sulfate which includes the steps of producing a solution which at room temperature is substantially saturated with beryllium sulfate and has also in solution calcium sulfate not to exceed 3 grams per liter of solution and an amount of ammonium sulfate not less than about 80 grams per liter of solution and such that the ratio of ammonium sulfate to calcium sulfate is at least approximately 125 to 1; evaporating said solution to a point where a substantial amount of beryllium sulfate is crystallized on cooling but where the resultant increase in concentration of ammonium sulfate will still maintain the calcium sulfate in at least supersaturated solution; and separating the crystals of beryllium sulfate so formed.

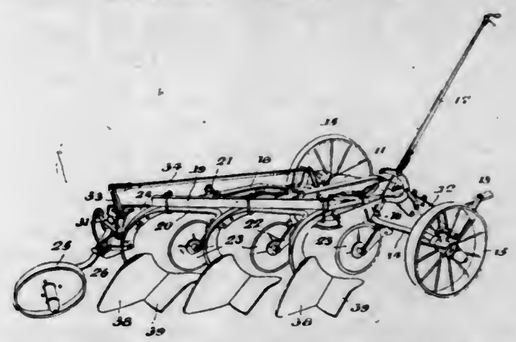
2,408,935
FIRE BASKET
Neil J. Kunst, Grand Rapids, Mich.
Application May 8, 1944, Serial No. 534,560
3 Claims. (Cl. 126—165)

3. A fire basket comprising spaced upwardly outwardly tapered ends, a bottom grate bar extending between the lower narrower portions of said ends but spaced upwardly from the bottoms thereof and detachably connected to said ends, bail member of substantially U-shape extending between and pivotally connected to said ends near their upper edges and serving to tie the ends together, means for retaining said bail members in any of their pivotal positions, a pair of grates extending between said ends, means on said ends for removably receiving said grates in laterally



spaced and substantially vertical position, and a supporting bar pivotally connected to said bottom grate bar and adapted to extend outwardly laterally therefrom wherein it serves jointly with either of said bails as a support for a grill and adapted to be moved into alinement with said grate bar.

2,408,936
PLOW
Alfred W. Leland, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application March 31, 1942, Serial No. 437,009
4 Claims. (Cl. 97—101)

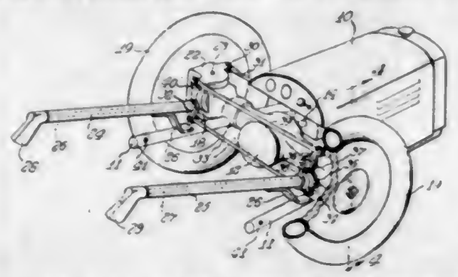


3. In a wheel plow, the combination of land and furrow wheels and a frame carried by said wheels and including a plurality of plow beams, each beam extending rearwardly for a predetermined distance substantially over and parallel to a furrow wall being formed by the plow, said beams each having a portion curving downwardly and then away from the land, and said beams having a twisted configuration in the parts which depart from the above mentioned direction parallel to the furrow wall, said twisted configuration providing a flared attaching surface disposed at an angle to the direction of said furrows, a foundation plate attached to said attaching surface, a share and moldboard carried by said plate, and a tail wheel carried by one of said beams and disposed in position to support said frame against landward pressure by running against the wall of a furrow being formed by said plow.

2,408,937
TWO-WHEELED HANDLE GUIDE TRACTOR
Homer S. Lendermon, Searcy, Ark.
Application July 13, 1945, Serial No. 604,805
3 Claims. (Cl. 180—19)

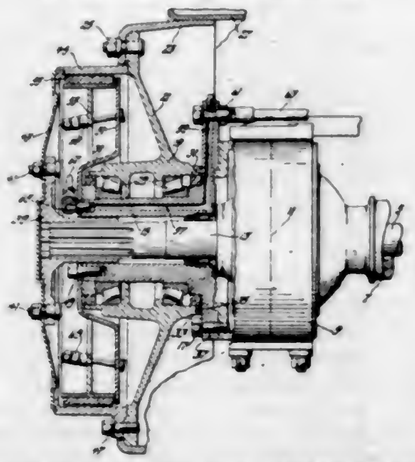
1. A tractor comprising a substantially horizontal frame having an engine supported thereon, an axle, a housing enclosing said axle and

supported on said frame, a drive shaft extending from the engine to said axle, the ends of said housing being enlarged and having yokes formed thereon, wheels having yokes extending therefrom, said wheel yokes being pivoted on said housing yokes, said wheels having axles keyed thereto, universal joints connecting said wheel axles with the extremities of said first named axle, gears connecting said drive shaft with said



first named axle, rigid handle bars supported on said frame, said handle bars being hollow and having rods extending therethrough, said rods having hand grips on the outer extremities thereof, and means connecting said wheel yokes with the inner extremities of said rods for steering said wheels upon turning of said hand grips, said frame having means for attaching a farm tool thereto.

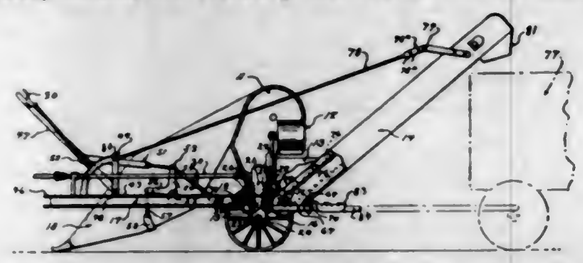
2,408,938
WHEEL BRAKE
Earle S. MacPherson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 2, 1945, Serial No. 602,718
4 Claims. (Cl. 188—152)



1. In combination an axle having a horizontally disposed spindle and a flange normal to said spindle, a wheel having a hub rotatable about said axle, sealing means between adjacent inner and outer ends of said hub and axle, tongue and groove means on said hub and flange forming a circuitous path for air adjacent said inner seal, a brake drum attached to the outer face of said wheel, a closure member enclosing the end of said axle and forming, together with said wheel, an enclosure for brake mechanism.

2,408,939
AGRICULTURAL MACHINE
Kenneth L. Magee, Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis., a corporation
Application October 20, 1941, Serial No. 415,732
3 Claims. (Cl. 56—18)

1. In an agricultural machine, a rocking frame member, ground engaging units supporting the frame member, machine units connected with the frame member to be supported thereby and including an elevator pivotally connected with the frame member and a draw bar pivotally connected to the frame member for propelling the same, means for rocking the frame for adjusting

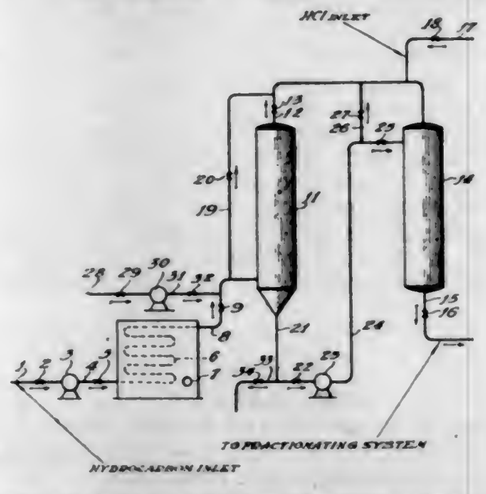


the position thereof relatively to the draw bar, and a connection directly between a point on the draw bar and spaced from the pivotal connection of the elevator to the frame, the elevator, for maintaining the elevator substantially in predetermined relation to the draw bar regardless of the rocking of said rocking frame.

2,408,940
PRODUCTION OF ESTERS
John E. Mahan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application June 24, 1944, Serial No. 542,011
6 Claims. (Cl. 260—486)

1. A process for the production of an ester of a carboxylic acid which comprises: reacting a nitrile with an olefin in the presence of water and a strong acid selected from the group consisting of sulfuric acid, phosphoric acid, and benzenesulfonic acid; maintaining the temperature of the reactants in the range from 40° to 200° C.; and maintaining the reactants under pressure sufficient to maintain them in liquid phase.

2,408,941
PRODUCTION OF ISOPARAFFINS
Julian M. Mavity and Walter E. Moss, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 22, 1942, Serial No. 447,956
15 Claims. (Cl. 260—683.5)

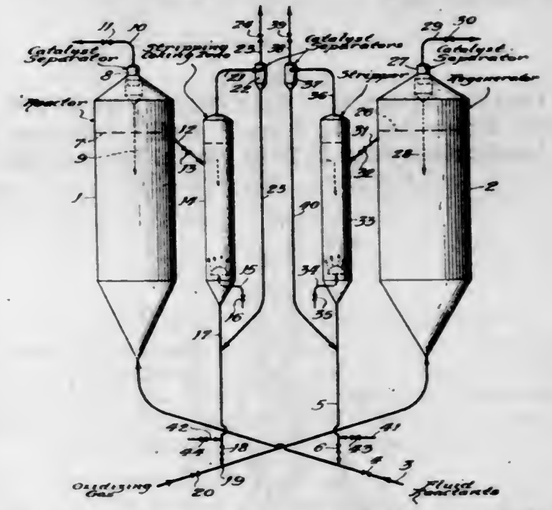


2. In a hydrocarbon conversion process wherein a desired hydrocarbon conversion reaction is catalyzed by means of an aluminum halide catalyst and a hydrogen halide promoter, the continuous method of operation which comprises passing at least a portion of the hydrocarbon to be converted in substantially liquid phase condition and in the absence of said promoter upwardly through a bulk supply of aluminum halide disposed in a catalyst supply zone, dissolving a portion of said aluminum halide in the hydrocarbon during passage thereof through said catalyst supply zone, a relatively small amount of said hydrocarbon being converted to an aluminum halide-hydrocarbon complex which is substantially insoluble in said hydrocarbon but said desired hydrocarbon conversion being substantially precluded by the absence of a promoter, supplying the hydrocarbon effluent containing aluminum halide in dissolved form only from said catalyst supply zone to an independent reaction zone, introducing a hydrogen halide promoter to said reaction zone, withdrawing said complex from the lower portion of said catalyst supply zone substantially as fast as it is formed in order to avoid substantial contamination of the bulk supply of aluminum halide and consequent diminution of the solubility of the aluminum halide in the hydrocarbon, introducing thus withdrawn complex to said reaction zone and therein effecting the desired conversion of said hydrocarbon in the presence of aluminum halide supplied thereto in said complex and in solution in said effluent.

2,408,942
SCALE
David A. Meeker, Troy, and Kenneth C. Allen, Dayton, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Original application July 8, 1938, Serial No. 218,240. Divided and this application June 29, 1942, Serial No. 448,964
6 Claims. (Cl. 240—2.11)
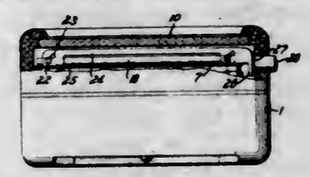
1. In a scale of the character described having a frame in which there is rotatably supported a drum chart and with an outer casing overlying said frame and said chart and having means for effectively sealing the interior of the scale against access of dust and foreign matter thereto, the casing being provided with a longitudinally extending opening at one side thereof, the combination of a light transmitting member overlying said opening in the casing, part of said member being translucent and part thereof being transparent to provide for viewing a scale on said drum chart, means for mounting said light transmitting member in fixed position in said casing opening, means for sealing said member in position on said casing opening preventing passage of air and dust therethrough, means for illuminating the surface beneath said light transmitting member, a display member, and means on the outside of said casing for removably receiving said display member in position overlying said opening and said translucent part of the light transmitting member while maintaining the entire interior of said scale effectively sealed when said display member is removed.

2,408,943
CONVERSION OF HYDROCARBONS
Lev A. Mekler, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 17, 1944, Serial No. 545,264
5 Claims. (Cl. 196—52)



1. In a process for the catalytic conversion of hydrocarbons wherein finely divided catalyst particles are contacted in a reaction zone with hydrocarbons at conversion conditions, the resultant contaminated catalyst continuously withdrawn and contacted in a regeneration zone with oxygen-containing gas to remove the contaminant by combustion and the regenerated catalyst continuously withdrawn and returned to the reaction zone, the improvement which comprises passing said contaminated catalyst downwardly prior to its regeneration through a coking zone in countercurrent contact with upwardly flowing hot spent regenerating gas, the amount and temperature of said gas and the time of contact of the catalyst therewith being sufficient to reduce to low volatile coke and vapors the occluded and absorbed liquid hydrocarbons forming a part of the contamination on said catalyst, withdrawing thus treated catalyst from the bottom of said coking zone, removing said regenerating gas from the upper part of said coking zone and separating entrained catalyst therefrom, combining the separated entrained catalyst with catalyst withdrawn from the bottom of said coking zone, and passing the combined catalyst to said regeneration zone.

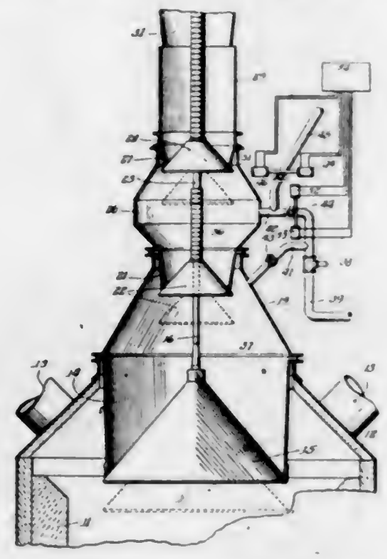
2,408,944
EXPOSURE METER
John H. Miller, Short Hills, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application August 14, 1944, Serial No. 549,446
3 Claims. (Cl. 88—23)



1. In a photoelectric exposure meter of the calculator type, the combination with a photo-

cell, a light baffle, and an instrument connected to said photocell, said instrument including a moving system for displacing a pointer over a scale plate in accordance with the light energy incident upon said photocell, of a depressor bar, spring means yieldingly pressing said depressor bar upon said pointer to clamp the same to the scale plate, and manually actuated means for lifting said depressor bar to free said pointer for displacement by said moving system; said manually actuated means comprising a release bar slidable along said depressor bar, and pin-and-slot means connecting said depressor bar and said release bar.

2,408,945
BLAST-FURNACE CHARGING SYSTEM
Albert Mohr, Jr., and John P. Grilli, Chicago, Ill.
Application May 9, 1945, Serial No. 592,908
8 Claims. (Cl. 266—27)

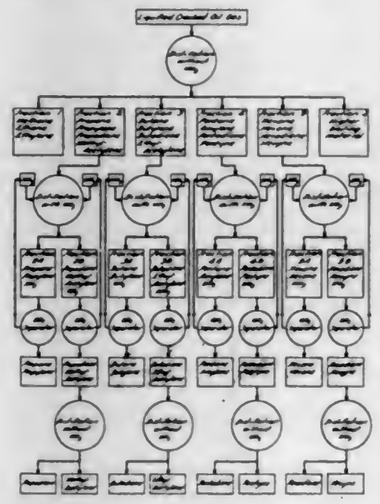


1. In a blast-furnace charging-system having an upper receiving-hopper internally at atmospheric-pressure, its cooperating bell, actuating-means opening and closing said bell intermittently, a lower delivery-hopper and its bell discharging into the top of the furnace, operating-means opening and closing said delivery-hopper bell intermittently, a conduit connecting said hoppers together, and means to feed charging material into said receiving-hopper intermittently, the novel improvement of the combination of means including a valve-construction in said conduit dividing said conduit into an upper chamber and a lower chamber, the latter including said delivery-hopper, means to open and close said valve-construction intermittently, means to feed substantially-nonabradant inert gas under pressure into said lower chamber and maintain the gas-pressure in said lower chamber at all times greater than the gas-pressure in the top portion of the furnace, means to feed substantially-nonabradant inert gas under said specified pressure into said upper chamber, means controlling said gas fed into said upper chamber to maintain equalized gas-pressures on opposite sides of said valve prior to and during the open condition of the latter, means connecting said upper chamber to the external-atmosphere, and means controlling the passage of gas from said first chamber to the atmosphere to provide atmospheric-pressure in said upper chamber on the underside of said receiving-hopper bell prior to and during the open condition of said bell.

2,408,946
POLISHING WHEEL AND CEMENT THEREFOR
Harold R. Nelson, Detroit, Mich.
No Drawing. Application July 17, 1944, Serial No. 545,399
5 Claims. (Cl. 51—308)

1. A polishing member comprising a fibrous body, abrasive particles adhered thereto, the adhesive for said particles containing 2½% to 6% of finely ground asbestos and about 10% of clay in relation to the solid content.

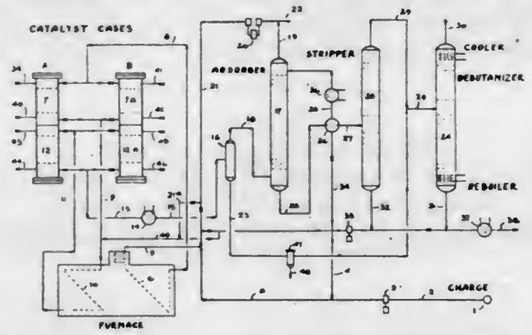
2,408,947
AZEOTROPIC DISTILLATION OF ALIPHATIC HYDROCARBONS HAVING THE FORMULAS C_NH_{2N} AND C_NH_{2N-2} FROM HYDROCARBON MIXTURES COMPRISING SAME
Howard S. Nutting and Lee H. Horsley, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application July 29, 1939, Serial No. 287,218
22 Claims. (Cl. 202—42)



1. In a method of separating an unsaturated aliphatic hydrocarbon containing more than 2 and less than 7 carbon atoms in the molecule and having the empirical formula C_nH_{2n-2} from a mixture of hydrocarbons comprising the same and a more saturated hydrocarbon having the same number of carbon atoms in the molecule, the steps which consist in forming a mixture of ammonia with the hydrocarbons to be separated from one another and fractionally distilling the resultant mixture at a pressure not substantially lower than atmospheric pressure, whereby a relatively low boiling azeotrope of ammonia and said more saturated hydrocarbon is formed, the fractional distillation in the presence of ammonia being continued until a substantial proportion of the more saturated hydrocarbon has been separated from the hydrocarbon of formula C_nH_{2n-2}.

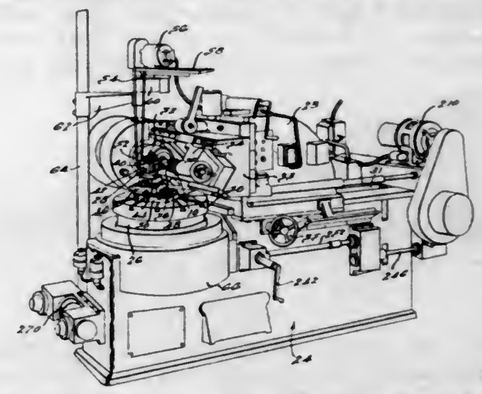
2,408,948
CATALYTIC HYDROCARBON REFORMING PROCESS
Cecilio L. Ocon and Ernest A. Ocon, Yonkers, N. Y.; said Cecilio L. Ocon assignor to said Ernest A. Ocon
Application September 14, 1940, Serial No. 356,886
11 Claims. (Cl. 196—52)

1. A process for catalytically reforming low boiling hydrocarbon reactants of gasoline and naphtha boiling range into high anti-knock motor fuels, which comprises heating a low boiling hydrocarbon reactant charging stock jointly with a hydrogen-bearing gas having approximately 50 mol per cent. hydrogen in a heating zone at a superatmospheric pressure ranging from 150 to 800 lbs. per sq. in. ga. to a reaction temperature in the range of 925 to 1050° F. in a short period of time to prevent thermal decomposition, passing the heated reactants into contact with a reforming catalyst bed in an enclosed zone at a suitable space velocity to effect a temperature drop of from 25 to 100° F. more or less by endothermic reaction between points of entry and exit of the reactants, passing the reaction mixture from said catalyst bed to a separate heating zone wherein the reaction mixture is rapidly elevated to a temperature in the range of 925° F. to 1050° F. for a short period of time to prevent thermal decomposition, passing the reheated reaction mixture into contact with a bed of catalyst in an enclosed zone at a suitable space velocity to effect a temperature drop of 25 to 100° F. in the reaction mixture as it is passed therethrough, withdrawing, cooling, and passing said reaction mixture to a flashing zone wherein gas is separated from condensate, passing said gas to an absorption zone, absorbing hydrocarbons having at least 3 carbon atoms to the molecule by contact with a cold lean oil comprising products of the reforming process, passing overhead unabsorbed hydrocarbons as tail gas, compressing and passing a portion of said tail gas to the initial heating zone as the hydrogen-bearing gas, withdrawing, reheating, and passing said lean oil enriched with said absorbed hydrocarbons to a stripping zone for removal of said absorbed hydrocarbons as overhead vapors; and recycling a portion of the stripped lean oil to said heating and catalytic reaction zones to be rapidly heated with said low boiling hydrocarbon reactant charging stock.



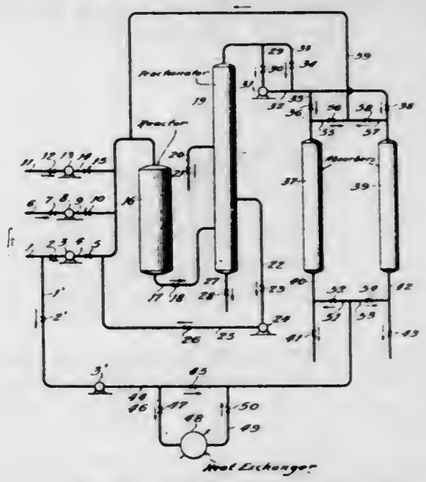
2,408,949
HOB GRINDER
Harry Pelphrey, Detroit, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Application November 26, 1943, Serial No. 511,788
9 Claims. (Cl. 51—33)

1. Apparatus for side-relieving the teeth of hobs comprising, in combination, a rotatable hob support, a rotatable, main table adapted to rotate about an axis perpendicular to the axis of rotation of said hob support, means for rotating said hob support and main table in synchronism, another table mounted on said main table for rotation therewith and driven thereby, means mounting said tables for relative rotative movement with respect to each other, a forming tool positioned to engage the sides of the hob teeth mounted on said another table for rotary movement therewith, and means for causing said relative movement by retarding and advancing the relative rotative position between said tables



for effecting the relief on the teeth, said last-named means including means providing the driving connection between said tables.

2,408,950
TREATMENT OF HYDROCARBONS
Herman Pines and Herman S. Bloch, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 26, 1944, Serial No. 560,367
5 Claims. (Cl. 260—683.4)

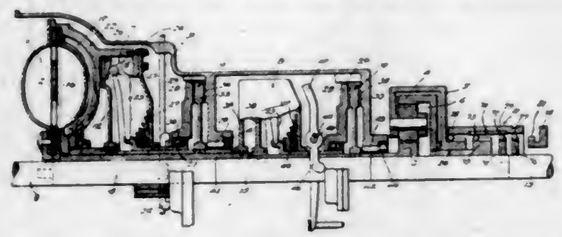


1. In the conversion of hydrocarbons wherein the hydrocarbon charging stock is converted in a reaction zone in the presence of a hydrogen halide, the method which comprises separating from the products of the conversion step a gas mixture containing hydrogen halide and normally gaseous hydrocarbons, contacting said gas mixture with a solid adsorbent to separate hydrogen halide from the mixture by adsorption thereof in the solid adsorbent, subsequently contacting the solid adsorbent with at least a portion of said charging stock in liquid phase to dissolve adsorbed hydrogen halide in said liquid portion of the charging stock, and supplying the resultant hydrogen halide-containing charging stock to said reaction zone.

2,408,951
TRANSMISSION AND CONTROL THEREFOR
Willard L. Pollard, Evanston, Ill.
Application September 13, 1943, Serial No. 502,144
7 Claims. (Cl. 74—260)

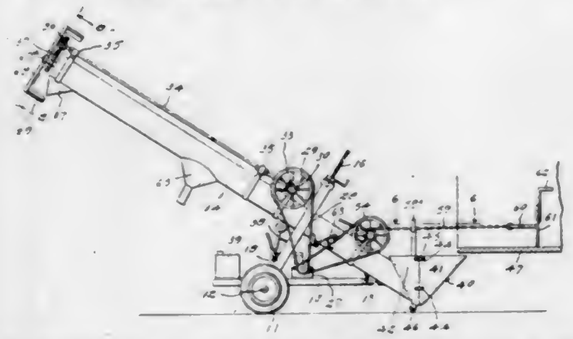
1. A variable speed transmission and control therefor comprising a three speed forward planetary transmission including a sun gear, a ring gear, a gear carrier and planet gearing mounted

on said gear carrier and meshing with said sun gear and ring gear, clutch means for connecting said sun gear with the power input, clutch means for connecting said ring gear with the power input, means for holding said sun gear and ring gear against reverse rotation when not connect-



ed with the power input, means controlled by speed for automatically disengaging the sun gear clutch and holding the sun gear against reverse rotation and engaging the ring gear clutch for shifting from low to second speed, and manually controllable means for engaging the sun gear clutch for shifting from second to third speed.

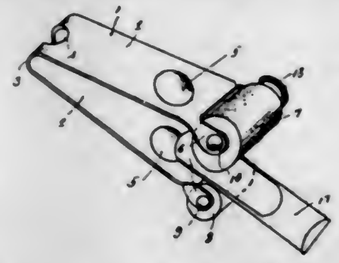
2,408,952
GRAIN HANDLING MACHINE
Charlie Raney, Brownfield, Tex.
Application March 2, 1944, Serial No. 524,717
1 Claim. (Cl. 198—233)



A structure of the class described comprising a chute, means to mount said chute at an angle, conveyor means within the chute, displacable hopper means at one end of the chute, means serving as a discharge at the other end of the chute, a distributor member adjacent the latter means for engagement with discharge material, means removably mounting the distributor means on the conveyor means, a mobile frame on which the chute is pivoted, and an auxiliary frame on said mobile frame through which the chute passes, and means suspending the chute from and adjustably mounted on the top of said auxiliary frame, said last mentioned means comprising a screw rod pivoted to the chute and nut means screw-threaded to the rod and bearing on the top of the auxiliary frame.

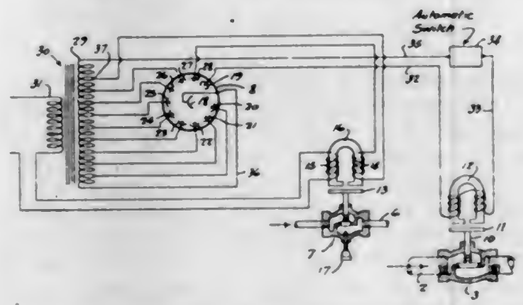
2,408,953
REED SANDER
Joseph E. Ray, Denver, Colo.
Application May 18, 1945, Serial No. 594,437
2 Claims. (Cl. 51—186)

1. A sander comprising a body formed from a strip of resilient sheet material folded midway its length to form arms connected at their rear ends by a spring-forming bridge, front ends of the arms being formed with ears at opposite sides thereof, a pressure roller rotatably mounted between the ears of one arm, an elastic roller between the ears of the other arm, an abrading sleeve fitting snugly about said elastic roller, a bolt passing through the elastic roller and the ears between which it is located and having a non-circular portion engaged through a similarly shaped opening in one ear to prevent rotation of the bolt, and a nut carried by said bolt and tightened to draw the ears between which the



elastic roller is located towards each other and apply pressure to opposite ends of the elastic roller to compress the elastic roller longitudinally and expand it diametrically for binding engagement with the bolt and the sleeve to prevent turning of the elastic roller and the sleeve.

2,408,954
FUEL SUPPLY SYSTEM
William A. Ray, Glendale, Calif., assignor to General Controls Co., a corporation
Application June 8, 1944, Serial No. 539,377
9 Claims. (Cl. 158—117.1)

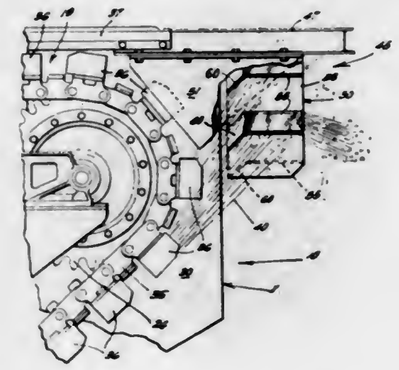


1. In a system of the character described, a burner, an electrically operated valve for controlling the flow of fuel to the burner, a photoelectric tube having a photosensitive cathode and adapted to be energized from a source of alternating current, said device serving to rectify the alternating current, and supplying the resultant unidirectional current to operate said valve, and a light source affecting the cathode for controlling the flow of said unidirectional current.

2,408,955
AMPHIBIAN STEERING DEVICE
George A. Reynolds, Jr., Los Angeles, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application August 7, 1943, Serial No. 497,725
8 Claims. (Cl. 115—1)

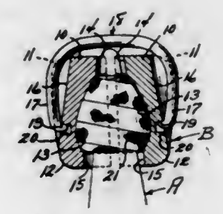
1. In a dirigible water craft the combination of: a hull; right and left propulsion means provided on opposite sides of said hull, each of said means in its operation discharging a stream of water non-parallel with the fore and aft axis of said craft; means for controlling the operation of said right and left propulsion means to drive these at the same or different speeds; and deflector means disposed in the paths of said streams at angles to oppositely intercept and deflect said streams from their course said deflector means being disposed substantially parallel with said axis whereby the driving of one

of said propulsion means at a higher speed than the other causes an unbalanced turning moment to be produced by the reaction of the deflector



means to the stream produced by the faster moving propulsion means without thereby producing a substantial moment tending to retard the forward motion of the craft.

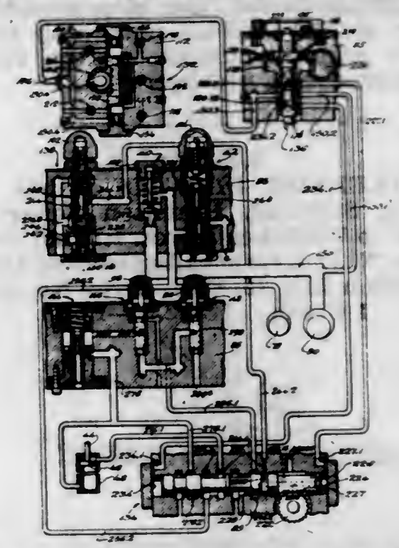
2,408,956
HORN WEIGHT
Fred Romain, Chester, Mont.
Application May 24, 1944, Serial No. 537,126
2 Claims. (Cl. 128—76)



1. A device of the kind described, comprising a pair of similarly constructed weight members having concaved upwardly tapered recesses on the inner faces thereof for disposition in opposed matched relation to each other on a horn of an animal, said recesses merging into relatively shallow and deep notches respectively, opening through the top and bottom areas of the members to permit the proper fitting of said members to said horn, means on the horn conforming to the contour of said recesses for anchor seating of the members thereon, and a springy clamping means engaging only the members for making fast the seating of the members.

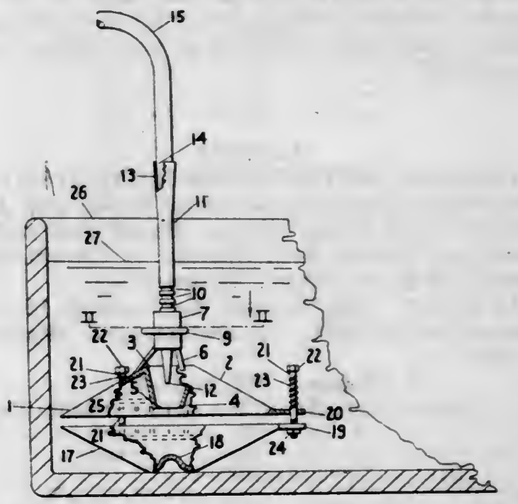
2,408,957
REMOTE CONTROL APPARATUS FOR MACHINE TOOLS
Robert A. Schafer and Ralph B. Rodal, Richmond, Ind., assignors to National Automatic Tool Company, Inc., Richmond, Ind., a corporation of Indiana
Application January 15, 1944, Serial No. 518,366
12 Claims. (Cl. 121—45)

4. A positioning motor mechanism comprising a body having a cylinder formed therein, an elongated piston reciprocable in said cylinder, a plurality of pairs of ports in said cylinder, each pair of ports being spaced longitudinally of the cylinder a distance slightly less than the length of said piston, solenoid operated valves selectively operable to open a passageway from their associated pairs of ports to a point of low pressure, and means for supplying a hydraulic fluid under



pressure to the opposite ends of said cylinder at a controlled rate.

2,408,958
BEARING SERVICING EQUIPMENT
William H. Smith, Evanston, Ill.
Application June 12, 1944, Serial No. 539,849
3 Claims. (Cl. 134—94)



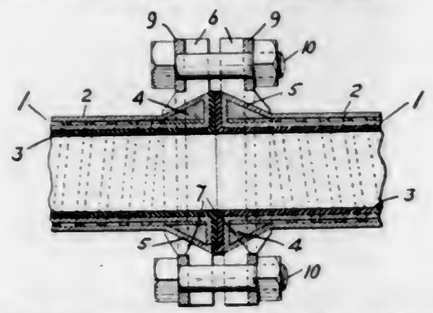
1. For a bearing washer, a submersible holder comprising a pair of relatively axially shiftable complementally-tapered seat-providing members adapted to center a bearing therebetween with the bearing effective to hold the members spaced to provide a spill opening outwardly therefrom, a container providing a pool of liquid in which the members may hold the bearing, and an injector-acting fluid supply connection to the holder adapted to deliver fluid into the liquid inwardly of the bearing, and to recirculate spill from the opening through the holder.

2,408,959
PRODUCTION OF PRIMARY AMINES
Lou A. Stegemeyer, Cincinnati, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application December 16, 1942, Serial No. 469,217
2 Claims. (Cl. 260—583)

1. In the process of manufacturing primary amines by catalytically hydrogenating nitriles in

the presence of ammonia and distilling said primary amines from the secondary amines formed in the hydrogenation, the step of adding the secondary amine residues remaining after distilling the primary amines to each succeeding batch of nitrile to be hydrogenated.

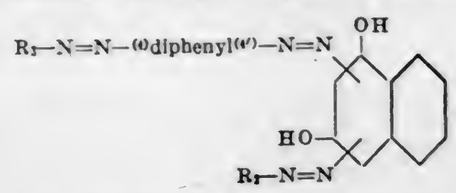
2,408,960
FLEXIBLE PIPE COUPLING
William L. Stivason, Hamilton Square, N. J., assignor to Whitehead Bros. Rubber Company, Trenton, N. J., a corporation of New Jersey
Application July 25, 1944, Serial No. 546,511
1 Claim. (Cl. 285—138)



A flexible pipe coupling including abutting ends of lengths of flexible pipe or hose, split rings applied to the outwardly flaring ends, continuous rings of greater diameter than the flaring end of the pipe or hose and nuts and bolts arranged through both rings, the parting line of the split disposed axially through the bolts in combination with the split ends of the rings and with the nuts of the bolts.

2,408,961
TRISAZO METALLIZABLE DYESTUFFS
Fritz Straub, Kaiseraugst, near Basel, and Jakob Brassel and Hans Mayer, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application September 10, 1943, Serial No. 501,868. In Switzerland September 2, 1942
6 Claims. (Cl. 260—172)

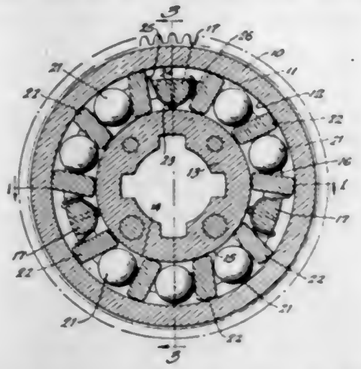
1. Trisazo dyestuffs of the general formula



wherein R_3 stands for the radical of a coupling component containing the salicyclic acid grouping and R_2 stands for the radical of a diazo component containing a member selected from the group consisting of OH and COOH in ortho position to the diazonium group, the said diazo components being selected from group consisting of diazo components of the benzene and naphthalene series.

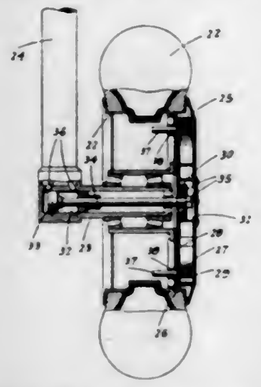
2,408,962
ONE-WAY CLUTCH AND BEARING
Carl E. Swenson and Adiel Y. Dodge, Rockford, Ill.
Application May 23, 1945, Serial No. 595,266
10 Claims. (Cl. 192—45.1)

1. A one-way clutch and bearing construction comprising inner and outer races having side flange portions separated by grooves, bearing members riding on the flanges and axially located relative to the races by the flanges, a cage having side rings engaging the bearing mem-



bers and axially located relative to the races by the bearing members, and tiltable grippers engageable with the bottoms of the grooves, the grippers engaging the cage side rings and being located thereby between the sides of the grooves.

2,408,963
AIRCRAFT LANDING WHEEL ROTATOR
Leslie L. Westcamp, North Sacramento, Calif.
Application June 14, 1943, Serial No. 490,711
3 Claims. (Cl. 244—103)

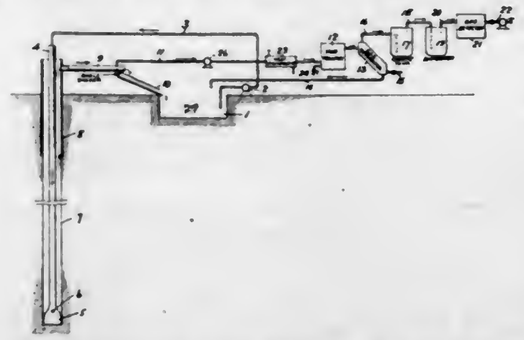


1. In combination with an aircraft landing gear structure which includes a spindle and a wheel journaled on said spindle, one side of the wheel being unobstructed; a circular rotator unit for the wheel, the unit being of limited axial extent and the wheel having a rotator unit receiving well therein open to said one side, the unit normally being disposed in the well, separate power actuated means operative to move said unit in and out of the well, the unit when out of the well being in the path of and rotated by the airstream, and a drive connection between the rotator unit and said wheel.

2,408,964
METHOD OF LOGGING WELLS
William E. Winn, Dallas, Tex., and Patrick F. Dougherty, Chester, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application August 22, 1941, Serial No. 407,955
3 Claims. (Cl. 23—232)

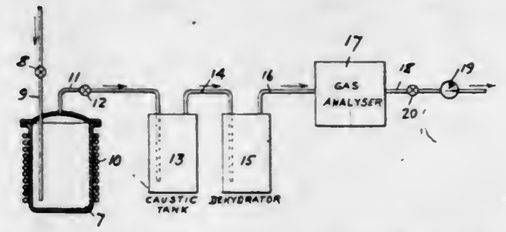
1. The method of logging oil and gas wells that are drilled with the aid of a circulating drilling fluid in order to determine a light hydrocarbon content of the drilling mud emerging from the well indicative of the nature of the formation penetrated regardless of variations during drilling

in the properties of the mud causing variations in its ability to retain hydrocarbons, which comprises diverting a minor portion of the circulating drilling fluid from the main stream, subjecting said minor portion to a treatment which comprises the addition thereto of materials which will impart uniform hydrocarbon-retentive properties to the minor portion under the same fixed



standard external conditions of stripping, subjecting the thus treated drilling fluid to the stripping action of a gas to remove hydrocarbons, separating the mixture of stripping gas and hydrocarbons from the drilling fluid and subjecting said mixture to further treatment including an analysis to determine the amount of removed hydrocarbons.

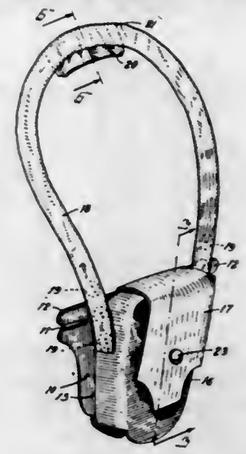
2,408,965
METHOD OF LOGGING WELLS
William E. Winn, Dallas, Tex., and Patrick F. Dougherty, Chester, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application August 22, 1941, Serial No. 407,956
2 Claims. (Cl. 23—232)



1. The method of logging oil wells which comprises treating the drilling mud delivered from the well to separate therefrom the drilling fluid and the cuttings, intimately mixing said cuttings with gaseous carbon dioxide at a superatmospheric pressure effective to cause the carbon dioxide to permeate said cuttings, lowering the pressure on the cuttings to remove therefrom carbon dioxide and any hydrocarbons admixed therewith and subjecting the mixture to a treatment including an analysis to determine the amount of hydrocarbons, thereby ascertaining the content of such hydrocarbons in the formation from which the cuttings were obtained.

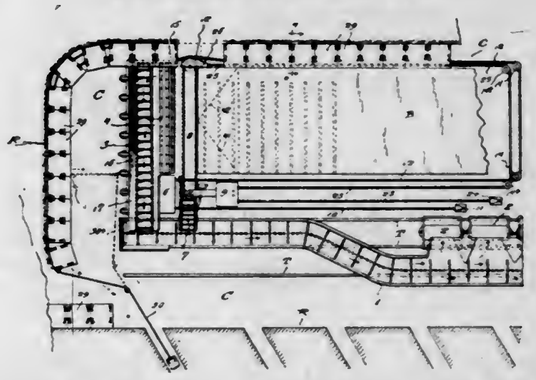
2,408,966
CARRYING POCKET FOR HEARING AIDS
Martin H. Brede, Denver, Colo.
Application June 29, 1945, Serial No. 602,393
2 Claims. (Cl. 224—5)

1. A carrying pocket for hearing aids comprising: a backing plate; vertical spaced-apart slots extending upwardly from the bottom of said backing plate; horizontal spaced-apart slots extending across the upper portion of said backing plate; a pocket, the ends of which are carried in the vertical slots; a closing flap for said pocket extending through said horizontal slots to lock the pocket to the backing plate; a shoulder strap;



and means on the extremities of said shoulder strap engaging in the vertical slots of the backing plate for removably attaching the pocket thereto.

2,408,967
COAL MINING APPARATUS
Clarence E. Brown, Clarksburg, W. Va.
Application September 21, 1945, Serial No. 617,706
4 Claims. (Cl. 262—30)

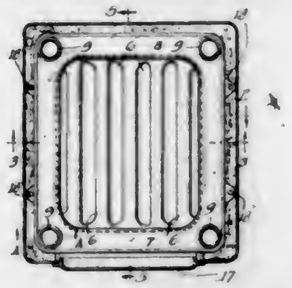


1. In combination, a rotatable, endless-band coal cutting machine adapted to produce convergent, angular, horizontal cuts through the corners of the inner end of a coal block; means for operating and moving said cutting machine to produce convergent, horizontal, angular cuts; powered rotatable scoops adapted to be positioned adjacent said cutting machine; an endless, rotatable coal carrier positioned longitudinally adjacent said scoops; a movable base adapted to support said carrier and scoops in common; powered means for advancing said base as the work progresses; powered means for advancing said cutting machine as the work progresses; a tipple adapted to receive the mined coal from said carrier; and a movable, sectional revetment adapted to barricade the walls of the mine room in the vicinity of the operations.

2,408,968
BOILER CONSTRUCTION
Robert C. Cross, Riverside, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 7, 1944, Serial No. 529,986
2 Claims. (Cl. 122—218)

1. A boiler section comprising a unitary casting affording higher and lower header sections,

inclined flues connecting said header sections of tear-drop cross-section and having their small radius curvature uppermost, said flues being filleted at their point of junction with said



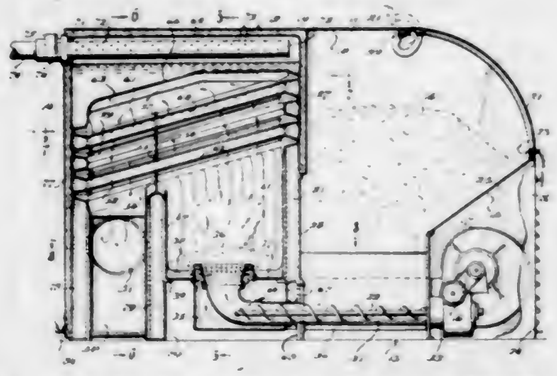
higher header in non-symmetrical radii so as to present minimum flow resistance to contained fluid in a direction outwardly of the transverse center of said boiler section.

2,408,969

STOKER BOILER UNIT

Robert C. Cross, Riverside, and George W. Smardon, Lombard, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application August 7, 1944, Serial No. 548,434
4 Claims. (Cl. 122—4)



4. In a base casting for stoker operated hot water or steam boilers, a unitary casting comprising an inclined plane upper extremity defined by four vertical wall portions each water jacketed and provided with intercommunication orifices, an intermediate dividing wall section connecting with the side walls of said casting also water jacketed and intercommunicating with said water jacketing of said side wall sections, portions of said side walls and the forward wall of said base casting being undercut so as to provide a nethermost clearance whereby is afforded accessibility for the retort mechanism of a fuel feeding stoker, and a fire bed supporting plate having a central opening for admitting a retort mechanism and supported by ledge formations extending inwardly perimetrically from said side walls, front wall and said intermediate wall section.

2,408,970

BUTADIENE PURIFICATION

Thomas F. Doumani, Long Beach, and Davis A. Skinner, Compton, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application December 16, 1943, Serial No. 514,546
5 Claims. (Cl. 260—681.5)

1. A process for the purification of diolefins which are contaminated by the presence of relatively small proportions of acetylenes of approximately the same boiling points, which comprises reacting a hydrocarbon mixture containing said acetylenes and diolefins with water in the vapor phase in the presence of a catalyst at a temperature above about 300° C. and a partial pressure of diolefins below about 100 mm. of mercury, whereby the acetylenes are converted to oxygenated derivatives, and the diolefins are substantially unchanged.

2,408,971

SLUSHING COMPOSITION

Gordon W. Duncan, Scotch Plains, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 27, 1941, Serial No. 424,595
8 Claims. (Cl. 106—14)

1. A slushing oil composition consisting of a petroleum fraction to which is added degras, a metal salt of oil-soluble sulfonic acids derived from petroleum by treating petroleum stocks with concentrated sulfuric acid and from 1 to 10% of a compound having the formula

R—O—alkylene—O—R'

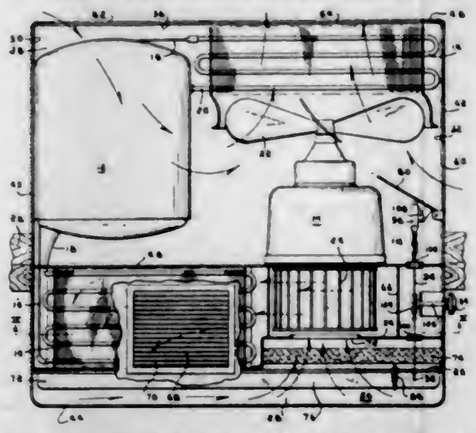
wherein R is selected from the group consisting of hydrogen and alkylol radicals; and R' is selected from the group consisting of hydrogen, alkyl, and aryl radicals.

2,408,972

AIR CONDITIONING APPARATUS

Arthur H. Eberhart, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 6, 1944, Serial No. 566,797
5 Claims. (Cl. 62—129)



1. In a room air conditioning unit, a casing having a first portion and a second portion, a first heat exchanger in said first portion, a second heat exchanger in said second portion, an outside air inlet for admitting air from the outside atmosphere to said first portion, an air outlet leading from said first portion to the outside atmosphere, a fan for drawing outside air through said outside air inlet into contact with said first heat exchanger and discharging it through said outlet to the outside atmosphere, a room air inlet for admitting air from a room the air of which is to be conditioned to said second portion, a room air outlet leading from said second portion for discharging air to said room, a fan for drawing room air through said room air inlet into contact with said second heat exchanger and discharging it through said room air outlet back into the room, a passage connecting said room air inlet with said outside air inlet and said outside air outlet,

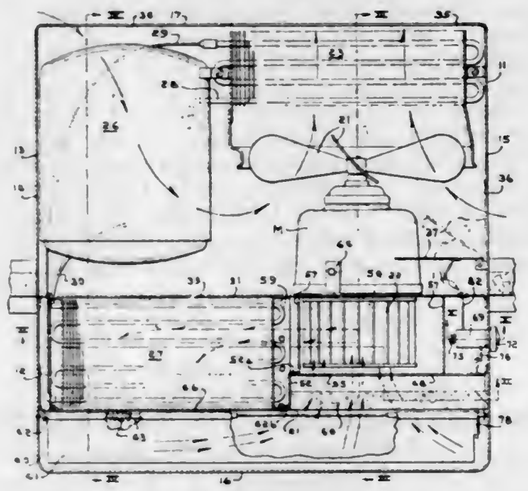
and means for regulating the flow of outside air or room air into contact with either of said heat exchangers and into the room or to the outside atmosphere, comprising a first damper for controlling said outside air inlet, a second damper for controlling said passage, and a third damper for controlling said room air inlet, and actuating means for positioning said dampers, said actuating means and said dampers being so constructed and arranged that, in one position thereof said inlets are open and said passage is closed, whereby outside air is circulated around said first heat exchanger and room air is circulated around said second heat exchanger, in a second position of said actuating means and said dampers said room air inlet and said passage are open and said outside air inlet is at least partly closed, whereby room air is withdrawn through said room air inlet and said passage and discharged to the atmosphere, and, in a third position of said dampers and said actuating means, said outside air inlet and said passage are open and said room air inlet is at least partly closed, whereby outside air is drawn through said outside air inlet and said passage into contact with said second heat exchanger and is discharged into said room.

2,408,973

AIR CONDITIONING APPARATUS

Clifford S. Cody, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 8, 1943, Serial No. 486,136
7 Claims. (Cl. 62—129)



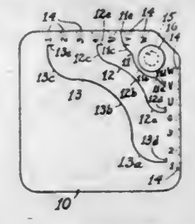
1. In a room air conditioning unit, a casing having an outer compartment and an inner compartment, a refrigerant condenser in said outer compartment, a refrigerant evaporator in said inner compartment, said evaporator being operatively connected to said condenser, there being a passage connecting said compartments, an opening leading from said outer compartment to the outside atmosphere, a room air inlet leading from a room to said inner compartment and a conditioned air outlet leading from said evaporator to said room, a blower for drawing room air through said room air inlet into contact with said evaporator and discharging it into the room through said conditioned air outlet, a damper for controlling the inner end of said passage and said room air inlet, and actuating means for said damper, said damper and said actuating means being so constructed and arranged that in one position of said actuating means said damper closes said room air inlet and in a second position of said actuating means said damper closes the inner end of said passage and in a third position of said actuating means, said damper is in nonclosing position with reference to said room air inlet and the inner end of said passage.

2,408,974

PLACE MARKER FOR BOOKS AND THE LIKE

Joseph Eifel, Chicago, Ill.

Application June 1, 1944, Serial No. 538,251
4 Claims. (Cl. 116—119)



1. A marker for removable application to an information sheet, comprising a piece of sheet material having a margin portion projecting in use beyond the edge of the information sheet to which it is applied and also having a body portion which in use overlaps said information sheet, said piece of sheet material having a continuous first cut therethrough with the ends of said cut at the said margin portion, said first cut being contained in the body portion of said piece of sheet material and leaving the edges of said sheet material made by said cut in engagement with each other, said first cut at its end portions extending in directions substantially perpendicular to the adjacent margin portion of said piece of sheet material and between its end portions having a change of direction for separating the adjacent edges of said first cut by flexure of said piece of sheet material, said piece of sheet material also having at the ends of said first cut short additional cuts extending from the ends of said first cut and substantially parallel with said margin portion and substantially perpendicular respectively to the end portions of said first cut, whereby maximum gripping effect is exerted by the adjacent edges of said first cut on an engaged information sheet and said short extension cuts afford a stop in applying the piece of sheet material to an information sheet and at the same time prevent damaging said engaged information sheet and prevent tearing of said piece of sheet material at the ends of said first cut.

2,408,975

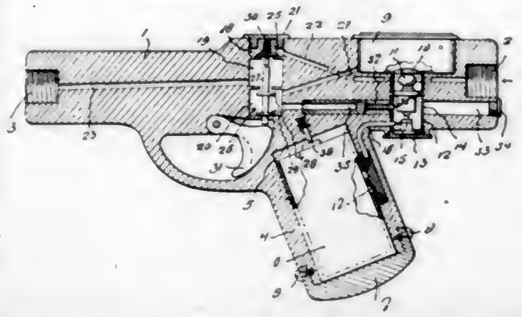
PROCESS FOR THE SEPARATION OF ORGANIC BASES

Karl Henry Engel, West Englewood, N. J., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application July 19, 1940, Serial No. 346,347
15 Claims. (Cl. 260—290)

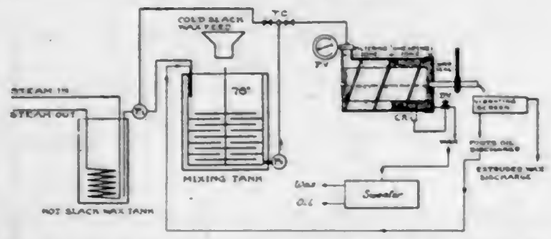
1. In a process for isolating a coal tar base from a mixture containing material amounts of a plurality of such bases, the steps which comprise reacting said mixture with phosphoric acid in a medium in which the saturation solubility of the phosphate of the base to be isolated is low to form the phosphate of said base together with other base phosphates, inoculating the reaction mixture with a crystal of the phosphate of the base to be isolated to cause precipitation of said phosphate from the reaction mixture, separating the base phosphate thus precipitated, and converting the phosphate to the free base.

2,408,976
TIRE INFLATING AND TESTING DEVICE
John Forbragd, Garden City, S. Dak.
Application July 6, 1944, Serial No. 543,662
1 Claim. (Cl. 137—69.5)



A pneumatic tire inflating and testing device comprising an elongated metallic body having controllable passageways including inlet and outlet passageways for connection with an air line and with a tire valve respectively, a lateral pistol grip handle extension on said body, an illuminable gauge mounted in the body and readably exposed at one side of the body, an air passageway for said gauge, said body having a transverse chamber therein adjacent said gauge, an electric lamp mounted in and insulated from the chamber walls and arranged for illuminating the gauge, an electric cell mounted in the handle extension and generally insulated from the body and having one of its electrical poles connected to one circuit terminal of the lamp, said cell having its other electrical pole connected to the body, a metallic, normally spring-pressed, air-actuated piston slidable longitudinally in the body adjacent said transverse lamp containing chamber, an air passageway for said piston, a pin on an end of said piston engageable with the other circuit terminal of the lamp for electrically connecting said lamp to the body at the will and control of the operator under pressure of air from the outlet passageway, and manually operable valve controlled means in the body common to all of the body passageways for selectively connecting the inlet passageway to the outlet passageway or for simultaneously connecting said outlet passageway to the gauge to actuate the gauge and to said piston for causing illumination of the lamp and the gauge.

2,408,977
TREATMENT OF WAX-OIL MIXTURES
Adam H. Gebauer, Short Hills, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
Application December 17, 1943, Serial No. 514,619
13 Claims. (Cl. 196—19)



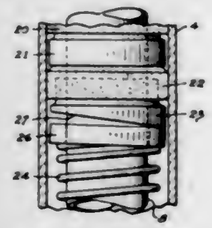
1. A continuous process for deoiling wax which comprises continuously supplying a flowable stream of a wax-oil slurry under pressure to a filtering surface, propelling the slurry along said filtering surface in a confined channel while progressively filtering oil therefrom to separate a semi-solid wax and while progressively compacting the separated wax to form a seal of deoiled wax at the end of said channel, and continuously removing deoiled wax from said seal at a rate substantially equal to its rate of formation.

9. In apparatus of the character described, the combination of means for forming a wax-oil slurry, an extrusion filter including a filtering medium through which the oil is extruded and means for continuously propelling the wax filtering out on said medium along the length thereof, means for continuously introducing the slurry to the inlet end of the filter at a pressure such as to cause the wax particles to agglomerate and to filter out as a plastic wax product and for continuously and separately discharging the wax product and the oil filtrate from the other end of the filter, and means for progressively compacting the plastic wax product as it is propelled through the filter to a selected consistency such that the compacted wax forms a solid wax seal at the discharge end of the filter which prevents channeling of the initially plastic wax product.

2,408,978
WOOD PRESERVATIVES
Bror Olof Häger, Stockholm, Sweden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden, a joint-stock company limited of Sweden
No Drawing. Application February 3, 1943, Serial No. 474,627. In Sweden January 13, 1941
9 Claims. (Cl. 167—38.5)

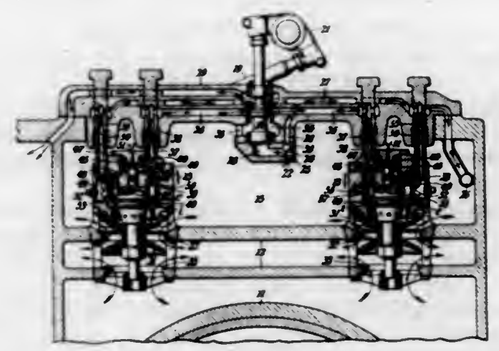
1. A wood preservative composition characterized in that it contains (*a*) an arsenic compound selected from the class consisting of arsenic acid and alkali metal arsenates, (*b*) a fluorine compound selected from the class consisting of hydrofluoric acid and alkali metal fluorides, (*c*) a chromium compound selected from the class consisting of chromic acid, alkali metal bichromates and alkali metal chromates, and (*d*) at least one water-soluble salt of at least one of the metals selected from the class consisting of Ca, Mg, Zn and Al; said composition being further characterized in that, upon treatment of wood, both difficultly soluble arsenates and difficultly soluble fluorides are formed in the wood in situ.

2,408,979
PUMP PLUNGER
Sherman H. Holt, Tulsa, Okla.
Application February 22, 1945, Serial No. 579,263
3 Claims. (Cl. 309—4)



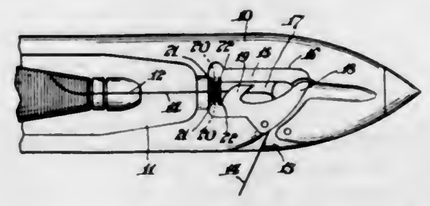
3. A plunger comprising a vertical tube, a helical packing member wound on said tube, means rigidly mounted on said tube against one end of said packing, a collar slidably mounted on said tube against the other end of said packing, a packing cup slidably mounted on said tube on the other side of said collar, a cup ring slidably mounted on said tube in engagement with said cup, a thin backing ring slidably mounted on said tube in engagement with the cup ring, and a coil spring mounted on said tube and urging said rings and cup toward said collar, the cup ring having its end face which is adjacent the backing ring inclined to its axis, whereby any tendency of the packing cup to move the rings axially and compress the spring will cant the backing ring into binding engagement with said body and prevent such movement.

2,408,980
CUSHIONING MEANS FOR STEAM-ACTUATED VALVES
Lloyd B. Jones, Hollidaysburg, Pa.
Application March 3, 1944, Serial No. 524,851
7 Claims. (Cl. 121—132)



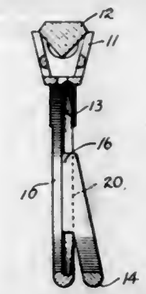
1. In a locomotive engine having piston-operated poppet-valves controlling the admission and exhaust of pressure-steam to the engine steam chest and cylinder, with individual pilot-valves effective to open and close said poppet-valves, means for cushioning the terminal impacts of the operating-piston, said means comprising a relatively small individually and axially-shiftable piston, said piston being spacedly-aligned in respect to the poppet-valve operating piston at one end thereof; means in the body of the poppet-valve defining a circumferential cavity about and intermediate the ends of the operating piston; and conduit means with associated ports controlling supply of pressure from the cylinder steam chest to and from the small axially-shiftable piston, as well as to the circumferential cavity for effecting positive cushioning of the poppet-valve operating-piston when approaching the limits of its movement.

2,408,981
LOOM SHUTTLE
John J. Kaufmann, Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 12, 1944, Serial No. 530,603
4 Claims. (Cl. 139—220)



4. In a loom shuttle having a threading block mounted in one end thereof and provided with a longitudinal thread channel through which the filling yarn passes from the bobbin to the outlet, and a strip of fur mounted at the entrance end of the threading block on at least one side thereof, the hair filament of said fur being disposed at a downward inclination.

2,408,982
FINGER RING CONSTRUCTION
Aaron Koenig, Far Rockaway, N. Y.
Application November 8, 1944, Serial No. 562,438
4 Claims. (Cl. 63—16)

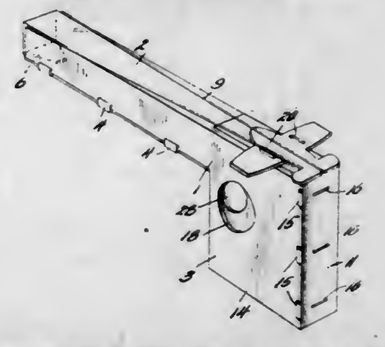


1. A finger ring having a solitaire setting for a gem and having, in combination, a wedding band segment adjacent thereto associating the wedding band segment and setting contiguously and reinforcing each other, said band and ring having interengaging overlapping portions reinforcing each other, the interengaging overlapping portions comprising an annular groove on one ring portion and a flange on the other ring portion whereby the ring and band may be rotated in relation to each other.

2,408,983
COMPOSITION OF MATTER SUITABLE AS A HYDRAULIC FLUID
Myron H. Kollen, Detroit, Mich., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application January 25, 1943, Serial No. 473,543
21 Claims. (Cl. 252—73)

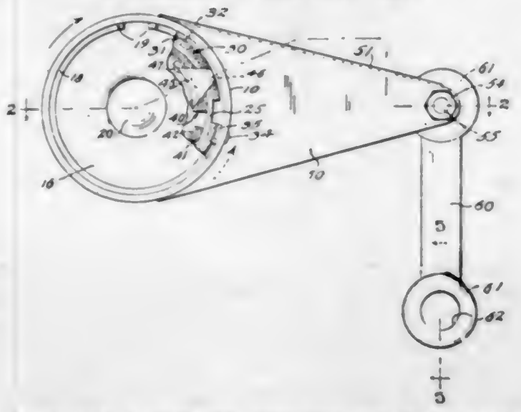
1. A composition of matter usable as a hydraulic fluid comprising a major proportion of high boiling isoparaffinic hydrocarbons boiling between about 400 and 700° F. blended with a relatively small amount sufficient to change the viscosity index thereof substantially, of a polymer of a low boiling olefin said polymer having a molecular weight above about 5000 and a polymerized acrylic acid ester of a saturated alcohol.

2,408,984
TOY PISTOL
William E. Lawson, Sr., Rahway, N. J.
Application May 10, 1944, Serial No. 534,936
4 Claims. (Cl. 124—17)



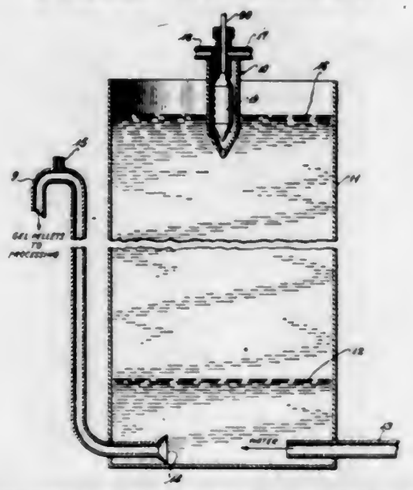
1. A toy pistol comprising a barrel and a handle, both the barrel and handle being hollow and rectangular in cross section and formed of folded sheet material, a trigger member rectangular in cross section and having a sliding fit in the hollow handle, and means on the upper end of the trigger member for releasably holding a projectile.

2,408,985
SHOCK ABSORBER
Bonnie L. Mallory, Cleveland Heights, Ohio, assignor to The B. L. Mallory Company, Hazel Park, Mich., a corporation of Michigan
Application December 29, 1944, Serial No. 570,253
8 Claims. (Cl. 188—130)



1. A shock absorber comprising a mounting, a brake drum non-rotatably supported thereby, a housing enclosing the drum and sustained for oscillation on the axis thereof, a brake band encircling the drum and having one of its ends fixed with respect to the housing, an energizing element frictionally engaging the inner surface of the drum, means connecting the energizing element to the end of the brake band opposite the one fixed with respect to the housing, the aforesaid mounting being adapted for attachment to one part of a vehicle, and means operatively connected to the housing for attachment to another part of the vehicle that is relatively movable with respect to the first mentioned part whereby when one part moves toward and from the other part the housing will be caused to oscillate with respect to the brake drum.

2,408,986
GEL BEAD
Milton M. Marisic, Woodbury, and Arthur C. Schmitt, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application April 15, 1944, Serial No. 531,188
3 Claims. (Cl. 252—259.3)

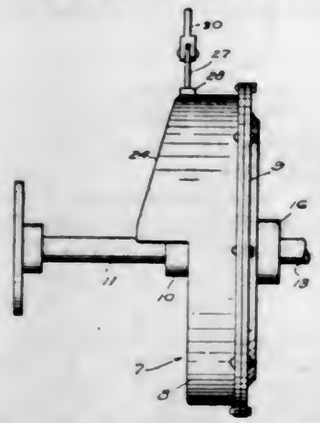


3. A process for preparing spheroidal inorganic oxide gel particles of improved characteristics which comprises forming a hydrosol of inorganic oxide including silica and a metal oxide characterized by an inherent capacity to set to a hydrogel upon the lapse of a suitable period of time without addition to or subtraction from said sol of any substance, effecting dispersion in said sol of particles of a combustible solid of less than 300 mesh size, admitting said sol in the form of separate globules to a body of a liquid medium substantially immiscible with water in which said globules assume spheroidal shape due to surface tension at the interface between said sol and said liquid medium, retaining said spheroidal globules in said medium until gelation occurs, effecting retention in said sol of substantially all the constituents of said sol until gelation occurs, drying the spheroidal hydrogel and burning said combustible solid by contacting the dried gel with an oxidizing gas at combustion temperature.

2,408,987
CATALYTIC PROCESS
Maryan P. Matuszak, Bartlesville, Okla., and Glen H. Morey, Terre Haute, Ind., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Original application November 9, 1937, Serial No. 173,708. Divided and this application March 18, 1941, Serial No. 384,028
9 Claims. (Cl. 260—683.3)

4. A process for the treatment of a hydrocarbon material to effect a change in the carbon-hydrogen ratio thereof, which comprises contacting said hydrocarbon material at a reaction temperature within the range of 200 to 600° C. with a granular catalyst prepared by subjecting a granular non-powdery crystalline ammonium-containing salt of chromic acid, the particles of which are sufficiently large to be retained on a 40-mesh sieve, to controlled heating at an elevated temperature below the temperature at which said salt decomposes with incandescence, until the salt is substantially completely decomposed homogeneously throughout the individual granules while retaining its crystallic shape without disruption of the granules.

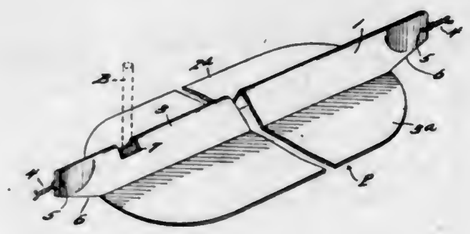
2,408,988
CENTRIFUGAL TYPE FLUID CLUTCH
Frank H. McElroy, Jersey Shore, Pa.
Application April 18, 1944, Serial No. 531,633
1 Claim. (Cl. 192—58)



A fluid motion transmitting clutch of the class described comprising a casing having central aligned bearings, a driving shaft mounted for rotation in one of said bearings and protruding into said casing, an impeller mounted on the protruding end and confined for rotation in said casing, a driven shaft mounted for rotation in the remaining bearing, a rotor keyed on said driven shaft and also confined in said casing, said rotor having marginally arranged lateral blades circumferentially spaced around the marginal portion of said impeller, said impeller having a central fluid entrance at its hub portion, said

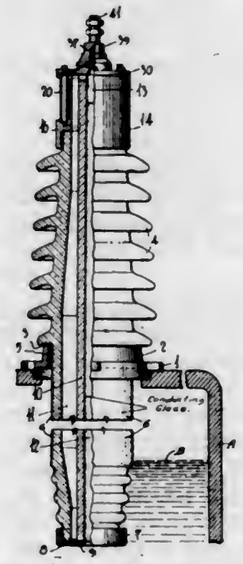
casing being provided with inner and outer selectively usable ports, the outer port constituting an exhaust and the inner port an inlet, a side chamber on said casing housing said ports, said chamber constituting a fluid trap and return unit and being provided with an outer marginal valve guide, and a reciprocatory slide valve mounted in said guide and having a port therein, said valve serving to alternately open and close the intake and exhaust ports in proper timed relation in respect to the relative actions of the impeller and rotor.

2,408,989
DOWEL BAR PROTECTOR
Robert A. McGrath, Sr., and Ellen E. McGrath, Brooklyn, N. Y.
Application April 11, 1945, Serial No. 587,726
2 Claims. (Cl. 25—118)



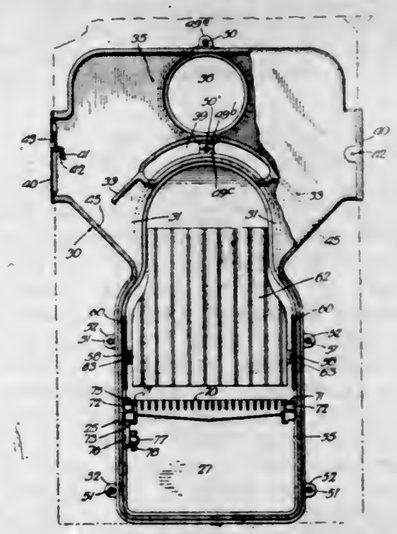
1. A protector for dowel bars comprising an elongated casing made of sheet material adapted to receive a dowel bar, the ends of said casing being closed, wings extending laterally from the lower ends of both sides of the casing but of less length than the casing, said casing being undercut adjacent its ends, and a relatively small opening in the top of the casing in the vicinity of one of its ends through which the dowel bar may be slid endwise into the casing.

2,408,990
BUSHING INSULATOR
John E. M. Mitchell, Parkersburg, W. Va., assignor to Porcelain Products, Inc., Findlay, Ohio, a corporation of Delaware
Application July 16, 1941, Serial No. 402,671
3 Claims. (Cl. 174—31)



1. In electrical apparatus having a conducting housing containing insulating liquid and provided with an opening above the level of said liquid through which a high voltage conductor extends to a point below the level of said liquid, said conductor being supported by an insulator bushing mounted in said opening and extending below the level of said liquid, the combination of means for establishing a substantial voltage drop along the outer surface of said bushing between said opening and the level of said liquid, said means comprising a high-resistance path formed solely of a conducting glaze forming the exterior surface of said bushing and having electrical contact with said housing at said opening and extending to a point below the level of said liquid.

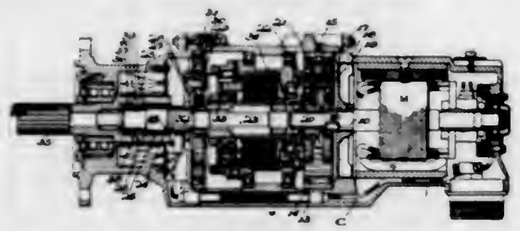
2,408,991
WARM AIR FURNACE
George E. Mumma, Winnetka, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 28, 1941, Serial No. 390,713
2 Claims. (Cl. 126—99)



1. In a heater apparatus, a plurality of similar component sections of which each comprises an integral casting designed for tandem assembly, each of said component sections including a lowermost portion having a horizontal bottom edge-wall and a pair of opposite side edge-walls, said bottom and side edge-walls profiling correspondingly and proportionally an ash pit chamber and a fire chamber and including a junction-defining edging for abutment with the corresponding edging of adjacent component sections, reverse curve portions merging into the upper extremity of said side edge-walls and extending inwardly to form a slight constriction thereat with edging flanges meeting centrally and defining an arch, relatively narrower side edge-wall portions merging with said reverse curve portions and flaring outwardly to extend beyond said opposite side edge-wall of said lowermost portion, thence extending vertically, and thereafter joining with a horizontal plane edge-wall portion to accordingly define the perimeter of a scutiform pouch, the vertical portions of said relatively narrower edge-wall having opposite cleanout openings for affording accessibility to the interior of said pouch, coextensive opposite walls joining with the several of said narrower pouch defining edge-wall portions to form an enclosure constituting said scutiform pouch, wall means defining an arched transverse communication opening through said coextensive walls and serving as a heat exchange passageway, said coextensive opposite walls hav-

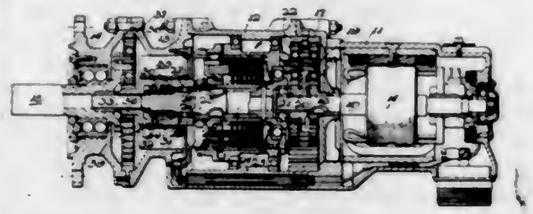
ing also a circular flue duct over said arched opening communicating with the interior of said scutiform pouch, and flue deflecting fins extending from said wall means and continuing the arched curvature of said opening within said pouch for the purpose of deflecting flue gases which rise from said fire chamber into heat exchanging lapping engagement with said flaring edge-wall portions.

2,408,992
LANDING GEAR ACTUATOR
Romeo M. Nardone, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application January 28, 1944, Serial No. 520,121
6 Claims. (Cl. 192—.02)



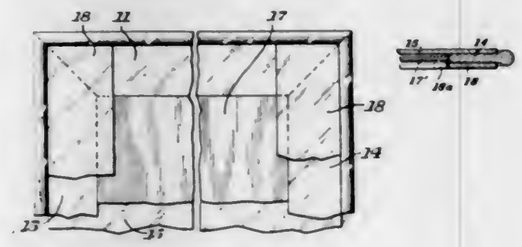
1. In an actuator for an air-craft remotely-controlled element which is movable between limits, a motor having a drive shaft and a pair of field coils, each of which is adapted to be energized to drive the motor in one direction, an output shaft, a jaw clutch element carried by said output shaft in driving relation, another jaw clutch element drivably connected to said drive shaft by a planetary gear train, one of said jaw clutch elements being movable, solenoid means for causing movement of said movable jaw element into clutch engaging position, spring means for disengaging said clutch elements, a solenoid switch associated with each of said field coils for controlling the delivery of current thereto, contacts included in the circuit of each field coil and which contacts are adapted to be made or broken by movement of said movable jaw, a pair of limit switches for controlling the delivery of current to said solenoid means and said solenoid switches and a main control switch, each of said limit switches being adapted to simultaneously discontinue the delivery of current to said solenoid means and affect said solenoid switches to shut off the current to its respective field coil and at the same time deliver current to the other field coil for a brief interval to quickly stop said drive shaft.

2,408,993
ACTUATOR UNIT FOR RETRACTABLE LANDING GEARS
Romeo M. Nardone, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application May 16, 1944, Serial No. 535,859
2 Claims. (Cl. 192—.01)



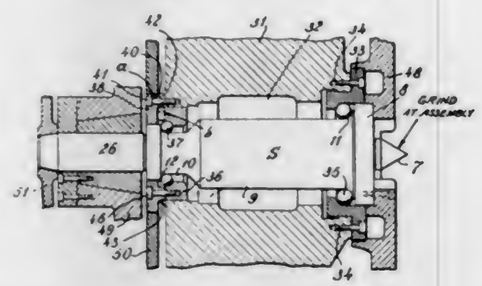
1. In an actuator unit for a retractable landing gear, a motor having a drive shaft, gear mechanism operatively connected to said drive shaft and constituting two stages of gear reduction, a main control clutch comprising two jaw clutch elements, a spring tending to separate said elements, and a solenoid adapted to be energized to bring said elements into meshing engagement, a friction clutch assembly operatively connecting one of said jaw clutch elements to said gear mechanism, gear mechanism operatively connected to the other of said jaw elements and constituting another stage of said gear reduction, and an output shaft drivably connected to the last said gear mechanism.

2,408,994
PICTURE FRAME OR THE LIKE
Alexis Nihon, Dorval, Quebec, Canada
Application August 6, 1943, Serial No. 497,603
8 Claims. (Cl. 40—152)



3. A display or supporting panel comprising strips of the bulb-edged margin which forms on the sides of drawn sheet glass, arranged in a polygon, and a sheet overlying the greater portion of said strips but not their bulb edges and secured thereto.

2,408,995
SPINDLE BEARING
Joseph J. Osplack, Detroit, Mich., assignor to Vinco Corporation, Detroit, Mich., a corporation of Michigan
Original application November 15, 1943, Serial No. 510,321. Divided and this application April 17, 1945, Serial No. 588,814
3 Claims. (Cl. 308—189)

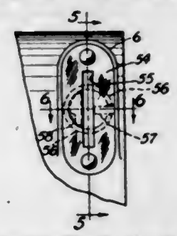


1. In a device of the character described, in combination, an elongated spindle, a pair of spaced ball bearings on said spindle including oppositely disposed outer ball races, a support, means for fixing one of said outer races to said support and means for adjusting the other of said outer ball races relative to said fixed outer ball race comprising a plate, a set of protruding pads on said plate for engagement with said adjustable outer ball race and a second set of pads on said plate protruding therefrom in the same direction as said first set and spaced from the pads of said first set for engagement with said support.

2,408,996
CATALYST REJUVENATION
Robert L. Parker, Jr., South Pasadena, and Hal C. Huffman, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application June 9, 1943, Serial No. 490,226
6 Claims. (Cl. 196—52)

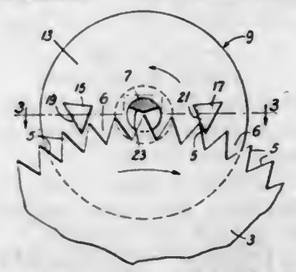
1. A process for changing the carbon-hydrogen ratio of hydrocarbon oils which comprises subjecting said hydrocarbons to an elevated temperature sufficient to cause the desired reaction in the presence of a catalyst for a reaction period in which the catalyst becomes coated with a carbonaceous deposit, subjecting the used catalyst to a regeneration treatment in which said carbonaceous deposit is removed at a temperature not more than about 100° C. higher than the reaction temperature, repeating the above cycle of operation until the catalyst becomes spent and its activity after regeneration is substantially lower than its original activity, rejuvenating the spent regenerated catalyst by heating it to a temperature between about 700° C. and 900° C. for a period between about one minute and about 10 hours and thereafter cooling the catalyst to said reaction temperature at a rate not in excess of about 5° C. per minute, and subjecting said hydrocarbons to said reaction in the presence of the thus rejuvenated catalyst.

2,408,997
TIMING DEVICE
Marcus H. Rhodes, Hartford, Conn., assignor to M. H. Rhodes, Inc., Hartford, Conn., a corporation of Delaware
Original application August 1, 1940, Serial No. 349,119. Divided and this application October 25, 1943, Serial No. 507,641
8 Claims. (Cl. 194—1)



1. In a coin-controlled device a coin receiver comprising a resilient split ring, the ring normally being smaller than the coin which it is to receive, the ring expanding upon insertion of a coin to receive the coin and contracting after the coin has passed through, and a projection on the receiver intersecting the split portion of the ring to prevent rotation thereof.

2,408,998
ESCAPEMENT
Marcus H. Rhodes, Hartford, Conn., assignor to M. H. Rhodes, Inc., Hartford, Conn., a corporation of Delaware
Application March 6, 1944, Serial No. 525,163
6 Claims. (Cl. 58—117)

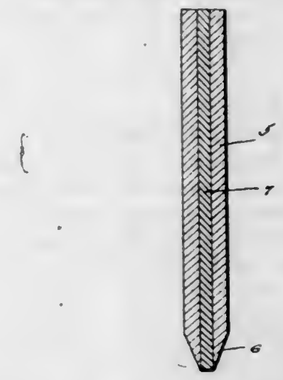


1. In an escapement, a toothed escapement wheel, a balance wheel, an integral pallet means extending from said balance wheel and engageable with the teeth of the escapement wheel, said pallet means and balance wheel being composed of a non-metallic resilient material, the points of cooperation between the pallet means and the teeth of the escapement wheel being harder than the remainder of the integral parts.

2,408,999
MOTOR FUELS
Anthony E. Robertson, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 1, 1944, Serial No. 516,711
9 Claims. (Cl. 44—53)

1. A motor fuel comprising about 80 to 95% of a branched alkanol of 3 to 5 carbon atoms and a minor proportion sufficient to raise the Reid vapor pressure of the blend to at least 5 lbs. per square inch at 100° F. but not more than about 13 lbs. per square inch at 100° F. of a normally gaseous hydrocarbon of 3 to 5 carbon atoms selected from the group consisting of aliphatic and cyclo-aliphatic hydrocarbons.

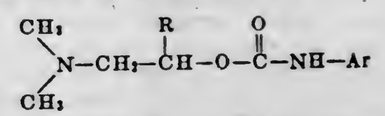
2,409,000
CRAYON
Albert Rubenstein, Washington, D. C.
Application April 27, 1945, Serial No. 590,565
1 Claim. (Cl. 120—83)



A writing crayon comprising a stick of colored wax having a tapered writing end and a stick of writing lead embedded in the stick of wax and extending from end to end thereof to form a reinforcing core therefor.

2,409,001
ESTERS OF DIMETHYLAMINOETHANOL USEFUL AS LOCAL ANESTHETICS
Robert S. Shelton, Mariemont, and Marcus G. Van Campen, Jr., Silverton, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application May 21, 1943, Serial No. 487,968
2 Claims. (Cl. 260—472)

1. Compounds of the formula



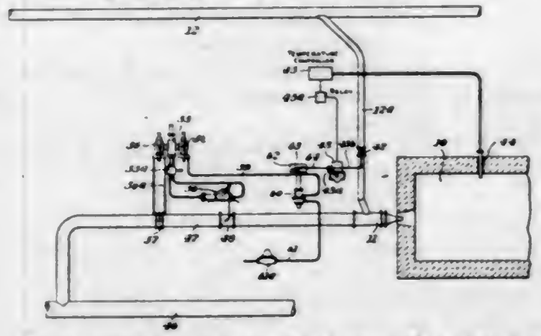
in which R is a radical from the group consisting of hydrogen and methyl and Ar is a phenyl radical.

2,409,002

METHOD AND APPARATUS FOR SUPPLYING PULVERIZED COAL AND AIR TO FURNACES

Edwin G. Smith, Mount Lebanon, Pa., assignor, by mesne assignments, to Union Industries, Incorporated, Grantsville, Md., a corporation of Maryland

Application June 12, 1943, Serial No. 490,588
5 Claims. (Cl. 110—104)



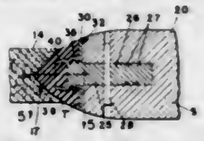
1. In a method of supplying pulverized solid fuel to a combustion chamber, the steps including circulating primary air through a delivery conduit, injecting the fuel into the air stream through the conduit, diverting a portion of the air and fuel from the conduit to the combustion chamber, varying the amount of fuel and air diverted in accordance with the temperature in said chamber, varying the amount of fuel and air supplied to the conduit in accordance with the air pressure therein, supplying secondary air to the chamber and controlling the amount of secondary air in proportion to the amount of primary air and fuel supplied.

2,409,003

SHUTTLE WITH RUBBER TIP

Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application November 3, 1945, Serial No. 626,461
5 Claims. (Cl. 139—196)



1. In a shuttle for a loom operating with a shuttle propelling picker, a metallic stud on the shuttle having a cavity therein facing the picker, and a tip of soft elastic material held on the stud and having a part thereof extending into said cavity.

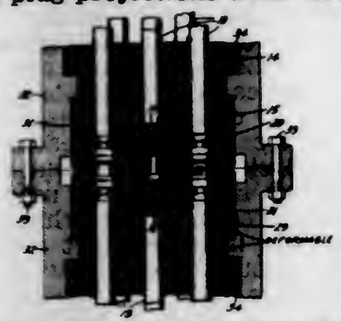
2,409,004

MULTICIRCUIT CONNECTOR

Alexander C. Wall, Indianapolis, Ind., assignor to General Electric Company, a corporation of New York

Application November 19, 1942, Serial No. 466,159
5 Claims. (Cl. 173—328)

1. A circuit connector including a terminal plug member of insulating material having a base portion and a plurality of projections, said projections being formed with a central passage therethrough which extends through said plug base portion, an electrical conductor extending through each of said passages in said plug base and projections, insulation about each of said conductors substantially filling said passages about said conductors in said plug base portion and projections, a connecting socket of insulating material having a plurality of apertures having contours complementary to the contours of said projections, said projections being adapted to fit snugly into said apertures providing substantially fluid-tight seals therewith, a connector in each of said socket apertures having a projecting element on each side thereof adapted to provide an electrical contact with said conductors in said plug projections when said plug pro-



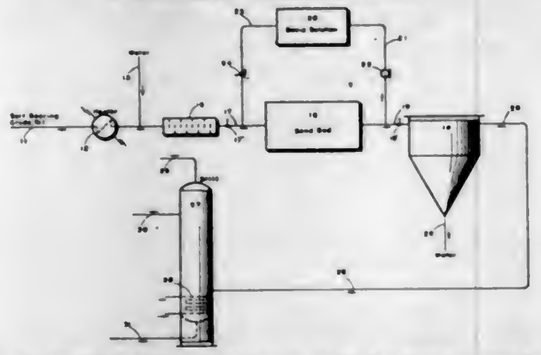
jections are inserted in said socket apertures said socket having a double frusto-conical outer surface with the longer diameter of said conical surfaces intermediate the ends of said socket, and a sleeve of insulating material on each of said plugs with the inner frusto-conical surfaces complementary to said socket outer surface adapted to provide a snug fluid-tight fit therewith.

2,409,005

TREATING EMULSIONS

William O. Webber, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application May 27, 1944, Serial No. 537,651
5 Claims. (Cl. 252—322)



1. A method for treating salt-bearing crude oil comprising the steps of heating the oil, adding water to the heated oil and agitating in order to form an intimate admixture of the oil and water and to dissolve the salt from the oil into the water, contacting a bed comprising water-wettable, finely divided solids with a basic solution having a concentration within the range of .0125 to .25 per pound mole per 1,000 gallons of water in order to insure the thorough water-wetting of the bed, passing the mixture of oil and water through said treated bed and subsequently settling the mixture into a water component and into an oil component suitable for feeding to a distillation unit.

2,409,006

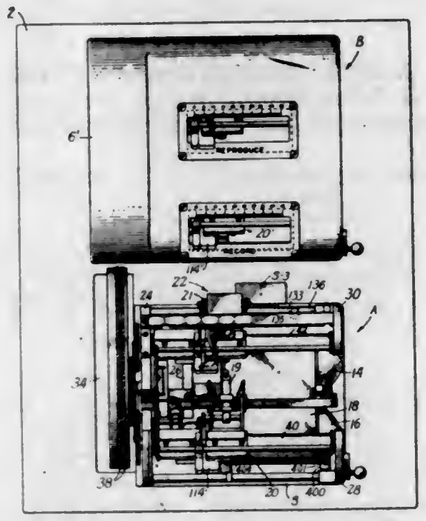
PHONOGRAPH

Simon Yerkovich, Fairfield, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York

Original application January 15, 1943, Serial No. 472,448. Divided and this application February 1, 1945, Serial No. 575,657
3 Claims. (Cl. 274—11)

1. In apparatus of the class described, wherein

duplicate normally successively operable sound recording machines, each comprising a record support and a recorder carriage, are each driven by a separate electric motor, in combination, independent switches for connecting a source of power with either or both of said machines motors, and mechanism operable by the respective carriages to operate said switches comprising two relatively movable cam bars adapted respectively to operate the respective switches and spring connected normally to act as a single bar,



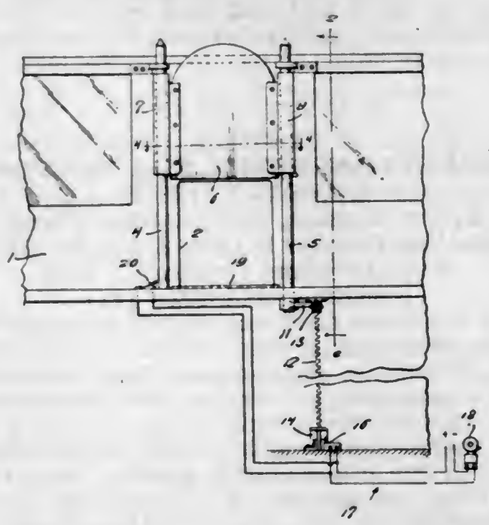
one being moved by the other, and separate shifting means to transmit carriage movement to the respective bars, said mechanism being operable by one of said carriages as it approaches the end of its record to start the motor of the other machine and being further operable by said one carriage to stop the motor of the first operated machine after further travel of said carriage, and said mechanism also being operable by the other of said carriages during travel first to start the motor of the first machine and then to stop the motor of the second machine.

2,409,007

BANK PROTECTOR

George W. Young, Bloomfield, N. J.

Application February 23, 1945, Serial No. 579,377
5 Claims. (Cl. 109—18)



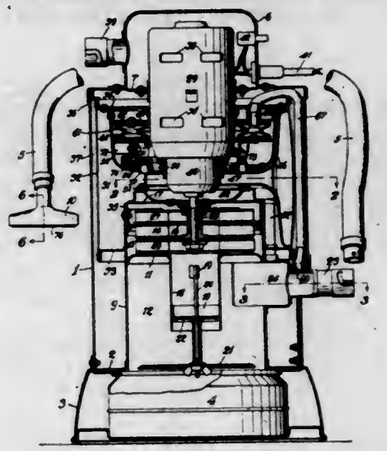
1. A bank protector of the character described comprising stationary and rotary guide posts, a shutter mounted for vertical sliding movement on the posts, coacting means on the rotary post and the shutter for releasably securing said shutter in raised position, and means for rotating said rotary guide post for releasing the shutter.

2,409,008

SUCTION CLEANER

Louis K. Acheson, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application April 26, 1943, Serial No. 484,511
15 Claims. (Cl. 15—16)



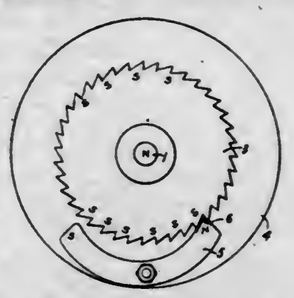
1. A suction cleaner having an inlet port for dirt-laden air, a main cleaning nozzle connected thereto and adapted to vary the air flow through and the air pressures in the cleaner by its contact with a surface being cleaned, a preliminary separator connected to said inlet port, suction-creating means connected to said preliminary separator to draw air therethrough, a final dirt separator connected to said suction-creating means to receive air exhausted therefrom, a driving motor for said suction-creating means, movable dirt-removing means to remove foreign material from said final separator, air-conducting means to connect said dirt-removing means to said preliminary separator, a pressure-variation-actuated air motor to drive said dirt-removing means, and air-conducting means to connect said air motor to a point of air pressure variation in said cleaner.

2,409,009

ONE-WAY DRIVE WITH MAGNETIC LOCK

Hans A. Bakke, Swampscott, Mass., assignor to General Electric Company, a corporation of New York

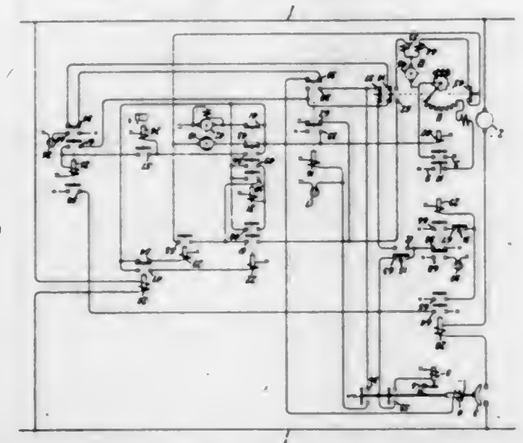
Application July 24, 1945, Serial No. 606,828
9 Claims. (Cl. 192—46)



1. A one-way drive comprising a wheel member made of magnetic material, and a lever pivotally mounted adjacent said wheel member, said lever having a locking part adapted to make contact with said wheel member when the lever is in one position to lock said member against ro-

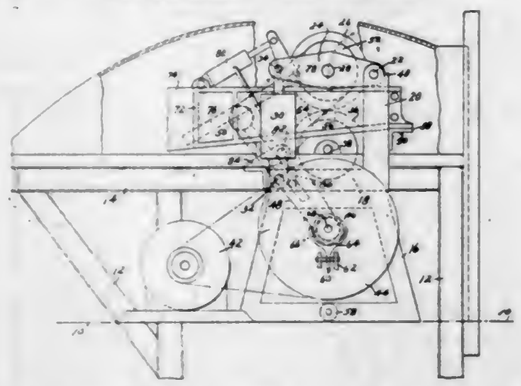
tation in one direction relative to said lever, said lever being rotatable on its pivot away from such locking position, said lever including a permanent magnet cooperating magnetically with said wheel to bias said lever toward its locking position.

2,409,010
AUTOMATIC CONTROL EQUIPMENT
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application March 27, 1943, Serial No. 480,776
10 Claims. (Cl. 171—119)



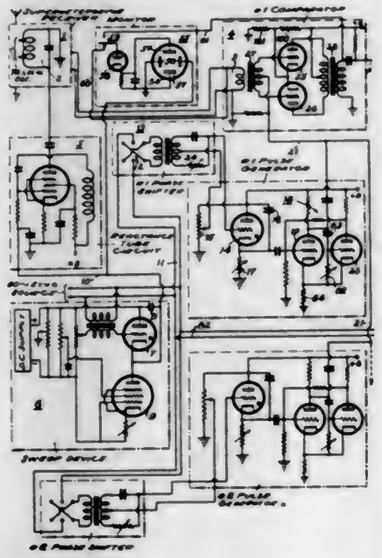
1. In combination, a source of current having a field winding, an adjustable field rheostat controlling the excitation of said field winding to control the voltage of said source, a control device, means responsive to said control device being in a predetermined position while said rheostat is in a position to effect a predetermined minimum source voltage for effecting the operation of said rheostat so as to effect an increase in said source voltage at a predetermined rate, means responsive to said source voltage being raised to a predetermined value by said first mentioned means for thereafter controlling said rheostat to maintain said source voltage at said predetermined value, timing means responsive to said source voltage reaching said predetermined value, and signalling means controlled by said timing means after it has been in operation for a predetermined time.

2,409,011
FULLING MILL
Harold H. Belcher, Orange, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a corporation of Massachusetts
Application October 14, 1943, Serial No. 506,280
15 Claims. (Cl. 26—19)



1. A fulling mill comprising a frame, a roll operatively fixed in the frame. a second roll movably mounted on the frame, a pneumatic device for moving the second roll selectively to or from the first named roll, a packing box, a clapper therefor, a pneumatic device for adjusting the clapper, a drive for the rolls, a clutch for said drive, pneumatic means for operating the clutch, and a valve for said pneumatic means and devices effective to actuate the clutch operating device just prior to the other pneumatic devices whereby the rolls will start to rotate with little or no pressure on packing box or rolls when the mill is started.

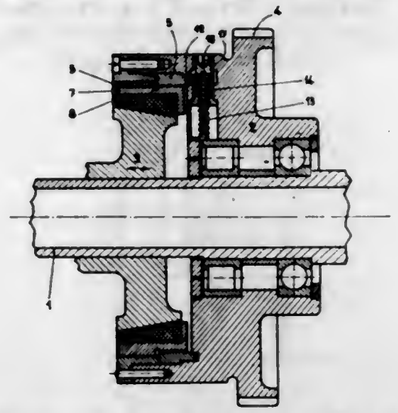
2,409,012
RADIO RECEIVING SYSTEM
Warren H. Bliss, Orono, Maine, assignor to Radio Corporation of America, a corporation of Delaware
Application September 24, 1942, Serial No. 459,504
11 Claims. (Cl. 250—20)



1. In a telegraph receiving system, a first receiver, means for periodically tuning the receiver over a selected band of frequencies, a local pulse generator, means for combining the pulses from said generator with the output of said receiver, whereby signals from a known station appearing in the output of said receiver may be blanked out, a second receiver, a recorder in circuit with said second receiver, and means responsive to new signals in the output of said first receiver for causing said second receiver to tune to the frequency of the new signals.

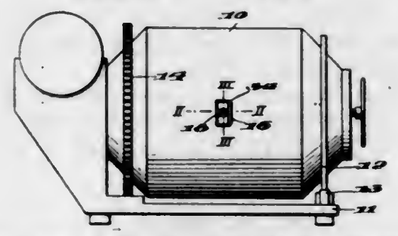
2,409,013
REGULATING DEVICE FOR FRICTION-CONE CLUTCHES
Ernest Bodmer, Geneva, Switzerland
Application October 9, 1944, Serial No. 557,817
In Switzerland October 27, 1943
3 Claims. (Cl. 192—111)

1. A friction cone clutch, including, clutch members movable axially toward and from each other, a friction cone socket-carrying annular support mounted for relative axial movement on one of said members, and means carried by said latter member for moving said support toward and from the other clutch member, said means comprising an annular adjusting ring movably interengaged at one end with the support and a spring-projected radially disposed locking member both mounted in the clutch member having the annular support, said locking member having means which, when the said locking member is in projected position locks together the ring and the clutch member in which it is mounted, and which means, when the locking



member is manually pushed inwardly to retracted position, engages the ring to impart lateral movement thereto as the locking member is rotated by manual manipulation.

2,409,014
MIX-CONSISTENCY INDICATOR FOR CONCRETE MIXERS
Clarence I. Bohmer and Arnold S. Millikin, Columbus, Ohio, assignors to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application May 25, 1944, Serial No. 537,333
9 Claims. (Cl. 73—54)



1. A consistency indicator for concrete mixers having a mix-receiving drum, said indicator comprising an open-sided housing provided in the wall and extending into the interior of said drum, a shaft turnable in bearings provided in the walls of said housing, the ends of said shaft projecting into said drum, mix-engaging paddle means disposed in and fixed to the ends of said shaft, said paddle means being arranged in the paths of mix travel within said drum, yieldable means resisting turning movement of said shaft from a normal position, and an indicator element fixed to turn with said shaft, said indicator element being positioned in said housing and having its outer end disposed for movement relative to a graduated surface provided on the exterior of said drum.

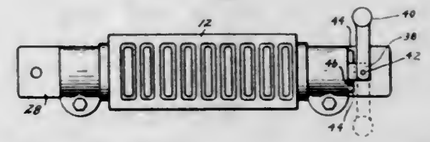
2,409,015
METHOD OF MAKING ALKOXY ACETALS
Carl Bordenca, Chicago, and Clifford J. B. Thor, Western Springs, Ill., assignors to The Visking Corporation, Chicago, Ill., a corporation of Virginia
No Drawing. Application October 6, 1944, Serial No. 557,549
9 Claims. (Cl. 260—615)

1. In the process of preparing alkoxy acetals by the reaction of an alkali metal alkoxide with diethyl acetal of chloracetaldehyde, the improvement which comprises carrying out the reaction in the presence of an inorganic iodide.

2,409,016
SHOCK-RESISTANT SILICON STEEL HARDENED WITH TITANIUM
Linwood M. Brown, Homestead, Pa.
No Drawing. Application October 19, 1942, Serial No. 462,508
6 Claims. (Cl. 75—123)

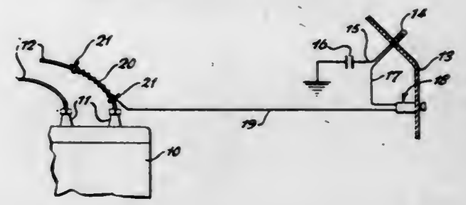
1. A shock-enduring steel alloy of high hardenability having substantially the composition: carbon, 0.40–1.00%; manganese, 0.35–2.50%; silicon, 0.80–2.75%; molybdenum, 0.15–2.90%; titanium, 0.10–0.90%; the silicon being in excess of the titanium, and the remainder substantially iron.

2,409,017
MAGNETIC SWIVEL WORK HOLDER
George J. Carson, Worcester, Mass., assignor to O. S. Walker Company, Inc., a corporation of Massachusetts
Application June 10, 1944, Serial No. 539,666
16 Claims. (Cl. 175—367)



1. A device of the class described comprising a support, aligned journals therein, a permanent magnet holding device having a boss at each end mounted in the journals for rotation about an axis on the support, means to turn the holding device on and off, said means being rotatable bodily as the holding device is rotated, and a handle to operate said means for its intended purpose independently of the rotative position of the holding device.

2,409,018
WARNING SIGNAL
Warner R. Corey, Inkster, Mich.
Application August 14, 1945, Serial No. 610,837
2 Claims. (Cl. 177—311)

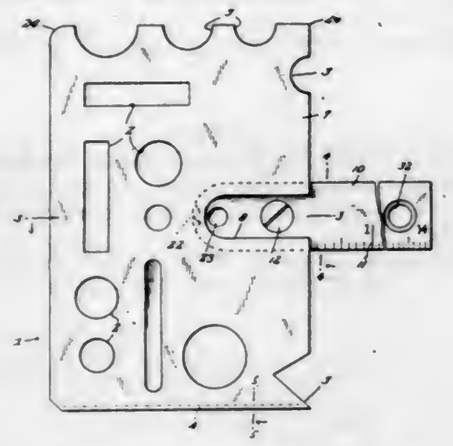


1. The combination with a vehicle having driving or navigation lights, an instrument board and an electric ignition system for its engine, of a glow discharge lamp mounted in the vicinity of the instrument board, means associated with the ignition system and connected to the glow discharge lamp to energize the latter when the engine is in operation, and means to interrupt the flow of energy through the lamp when the driving or navigation lights of the vehicle are turned on.

2,409,019
TEMPLATE
Marion S. Cree, Washington, Pa.
Application June 21, 1944, Serial No. 541,380
1 Claim. (Cl. 33—100)

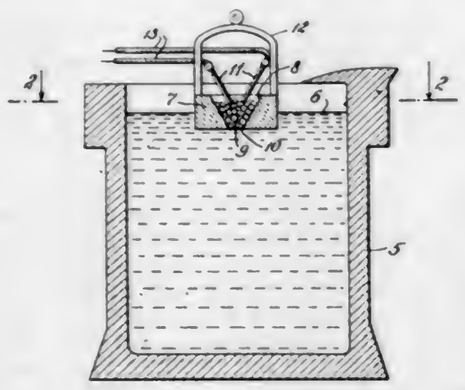
A combination tool comprising a head having a recess opening into one side edge and an adja-

cent face, said head also having an internally screw threaded opening communicating with the recess, said recess extending perpendicular to the side edge of the head, a blade adapted to be received in the recess and to project from the head perpendicular to the side edge of the head containing the recess, said blade having a countersunk opening adapted to align with the screw threaded opening, a protractor scale on the face



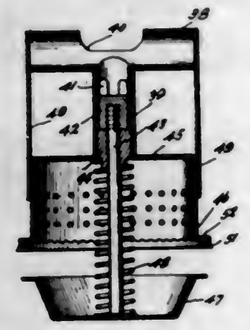
of the head opposite that containing the recess, a pointer on the blade adapted to cooperate with the protractor scale when the blade is on the unrecessed side of the head and a screw adapted to enter the countersunk opening in the blade and to engage the threaded opening in the head to hold the blade in the recess or in cooperative relation with the protractor scale according to the side of the head to which the blade is attached.

2,409,020
METHOD FOR DESULPHURIZING IRON WITH MOLTEN CALCIUM CARBIDE
John J. Crowe, Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 8, 1943, Serial No. 513,384
3 Claims. (Cl. 75—58)



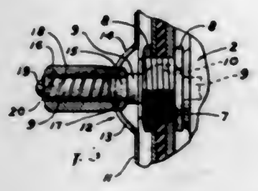
1. In the desulphurizing of molten iron and steel, the steps which comprise confining commercially pure calcium carbide to a relatively small restricted area on the surface of a body of the molten metal, melting the calcium carbide by means of an electric arc, thereby introducing the molten calcium carbide into the body of molten metal beneath the surface thereof while the molten metal is in a state of agitation to cause desulphurization of the metal.

2,409,021
PIE DOUGH FORMER, TRIMMER, AND CRIMPER
Loring J. Dale, Phoenix, Ariz.
Application July 28, 1943, Serial No. 496,468
7 Claims. (Cl. 107—49)



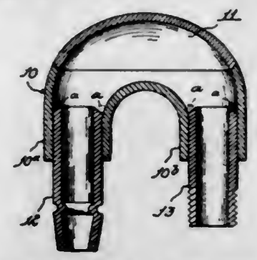
3. In a structure of the class described, a cup-like member having a trimmer and crimper, a dough former, a rod carrying said former and surrounded by a spring, a handle structure on said cup-like member, and a guide and detachable nut connection between the rod and handle structure, whereby to permit the former to be detached when the crimper is brought into play.

2,409,022
SAFETY SWITCH
John H. Diedring, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 18, 1944, Serial No. 564,157
2 Claims. (Cl. 200—172)



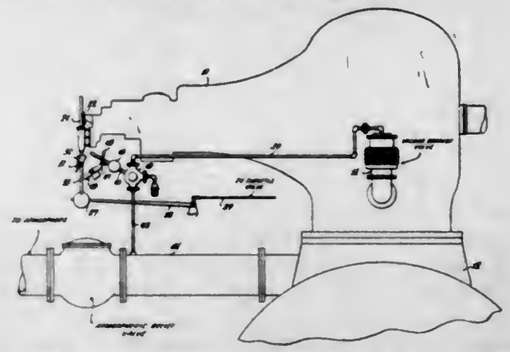
1. In a switch, an operating stem pivotally mounted for angular movement between a pair of spaced operative positions closing separate circuits and an intermediate inoperative position, a plate having a slot through which said stem passes, a knob slidably mounted on said stem at said slot and adapted to move axially of the stem to uncover the stem in the slot, a spring acting on said knob to normally hold it in a position covering said stem in the slot, said slot having a wide portion of sufficient width to receive said knob and a narrow portion of sufficient width to receive the exposed part of said stem but of insufficient width to receive said knob, the wide portion of said slot extending over the inoperative position of said stem and one of its operative positions, and the narrow portion of said slot extending over the other of the operative positions of said stem so that unobstructed movement of said stem is permitted between its inoperative position and one of said operative positions and movement to the other of said operative positions is possible only when said knob is moved axially on said stem against the action of said spring to uncover said stem in the slot and permit entrance of said stem into the narrow portion of the slot.

2,409,023
METHOD OF MAKING RETURN BEND PIPE COUPLINGS
Charles A. Dies, Chicago, Ill.
Application May 10, 1943, Serial No. 486,352
1 Claim. (Cl. 29—157.6.)



The method of making a return bend pipe coupling for radiators and coils for steam boilers which consists in cutting away a small portion at one side of a short length of pipe to provide an arcuate opening, bending the pipe at the center of the opening to form the side members and connecting portion of the return bend with the aforementioned arcuate opening in the upper part of the connecting portion, and attaching short lengths of pipe—with pipe connecting means at their outer ends—to the outer ends of the side members by inserting the short lengths of pipe into the outer ends of the side members and welding them thereto at their inner ends through the aforementioned opening in the connecting portion of the return bend, and finally welding a cap over said opening.

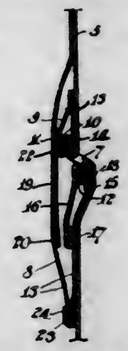
2,409,024
STEAM TURBINE CONTROL MECHANISM
Frederick L. Dornbrook, Milwaukee, Wis., assignor to Wisconsin Electric Power Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 15, 1944, Serial No. 563,584
7 Claims. (Cl. 60—95)



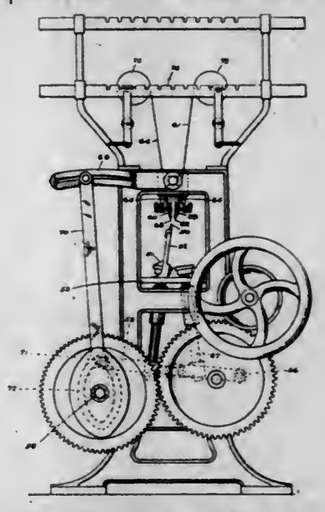
2. In a steam turbine having a rotor, a condenser, and a vacuum breaker valve for said condenser, the combination of an overspeed governor for said turbine, fluid pressure operated means to open said breaker valve through the vacuum of the condenser to reduce the speed of the turbine and to close said valve on the release of vacuum, a control valve for said valve operating means, and means controlled by said overspeed governor for moving said control valve to breaker valve opening position.

2,409,025
POCKET CONSTRUCTION FOR TROUSERS
Irving M. Falk, Philadelphia, Pa., assignor to The Nu Pocket Method Co., Philadelphia, Pa.
Application December 18, 1944, Serial No. 568,715
2 Claims. (Cl. 2—248)

1. The method of making a garment pocket which comprises placing a double length of pocket material on a garment, slitting both the pocket material and garment and folding said pocket material upwardly upon itself, stitching the upturned portion of the pocket material to the garment above the slit, and stitching a strip of tape over the side edges of the pocket material to close the pocket.



2,409,026
KNITTING MACHINE AND METHOD
Louis N. Feinstein, Brooklyn, N. Y., assignor to Sam Feinstein, Rebecca Feinstein, and Louis Feinstein, doing business as Feinstein Knitting Mills, Inc., New York, N. Y.
Application February 3, 1945, Serial No. 575,954
3 Claims. (Cl. 66—86)

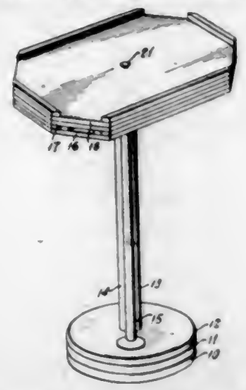


1. A warp knitting machine to produce a knitted fabric of diamond shaped pattern, said machine comprising two guide bars having uniformly spaced guides, a needle bar having uniformly spaced needles, each guide of said guide bars being adapted to have a yarn threaded therethrough, a pattern drum having two series of links thereon, the first series of links comprising the following pattern: 0, 2, 0, 2, 4, 2, 4, 2 to control the first guide bar, and the second series of links comprising the following pattern: 0, 2, 0, 0, 4, 2, 4, 4 to control the second guide bar.

2,409,027
NESTED SERVING TABLE
Alan R. Fergusson, Larchmont, N. Y.
Application March 8, 1944, Serial No. 525,805
5 Claims. (Cl. 311—1)

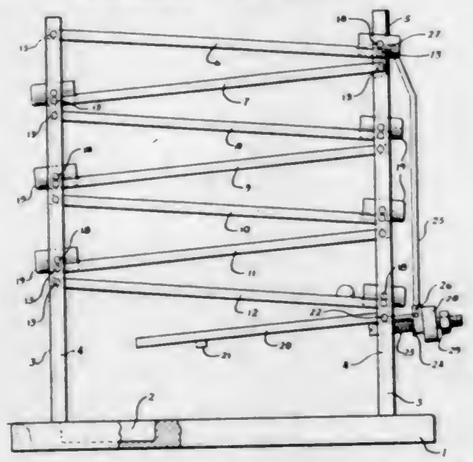
1. In a serving table combination, a plurality of interengaged units, each unit consisting of a base, a standard and a tray, the trays and bases of all units being nested with one another, while their standards are in parallel relation to each other, in that the bases of the upper units are adapted to facilitate the passage therethrough of the standards of the lower units, means for at-

taching the trays individually to their intended standards, when the units are separated, said means serving as supports for the nested trays,



and other means for connecting all standards with each other and for securing the trays of all units in their nested position to the connected standards.

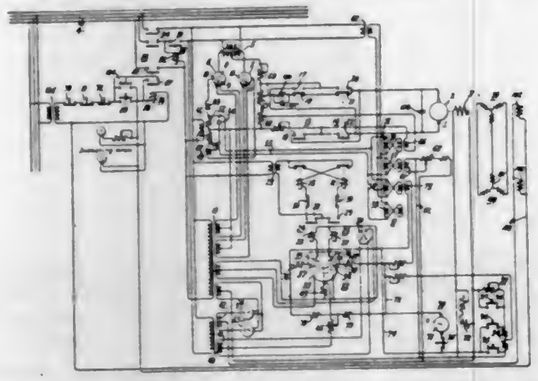
2,409,028
MECHANICAL TOY
Everett V. Filbrun, Dayton, Ohio
Application May 11, 1945, Serial No. 593,133
2 Claims. (Cl. 46—43)



1. A mechanical toy, a pair of standards, a plurality of sets of oppositely inclined tracks attached to and supported by the standards, one of said tracks pivotally mounted on one of the standards, pivoted pocket members mounted on the standards adapted to receive marbles from one set of tracks and discharge them on another set of tracks, one of said pocket members being connected to and tilted by the pivotally mounted track.

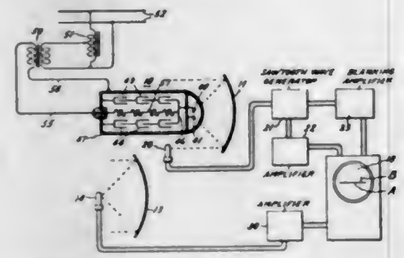
2,409,029
ELECTRIC VALVE MOTOR CONTROL SYSTEM
Lyman R. Fink, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 14, 1940, Serial No. 340,494
9 Claims. (Cl. 172—179)

1. In combination, an alternating current circuit, a dynamo-electric machine having an armature winding and a field winding, electric translating apparatus energized from said circuit and including electric valve means, reversing switching means connected between said electric valve means and one of the windings of said machine for controlling the polarity of the voltage impressed thereacross, said switching means having an actuating means, control means for said electric valve means to control the magnitude of the voltage supplied to said one winding, means for energizing said actuating means selectively to control the polarity of the voltage impressed



across said one winding and including an electric discharge device having a control grid, means for impressing a control voltage on said grid to control the polarity of the voltage impressed across said one winding and means responsive to said control voltage for controlling the output voltage of said electric valve means.

2,409,030
LIGHT-IMPULSE SYSTEM
Victor H. Fraenckel and Siegfried Hansen, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 22, 1941, Serial No. 423,984
10 Claims. (Cl. 315—59)

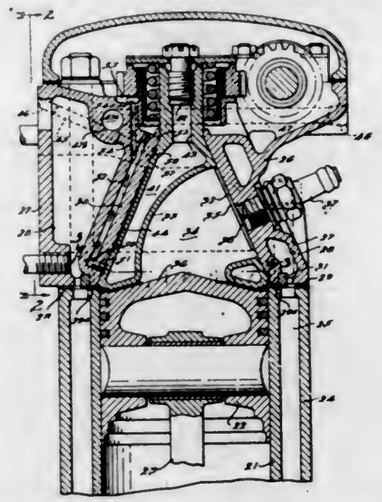


1. In a system in which light impulses are transmitted to a distant object and thereafter corresponding reflected impulses are received from said object in a time dependent upon the distance to the object, the combination which comprises a charge-storing agency, means for periodically charging the said agency, a spark-discharge type of light source, and circuit connections between the charge-storing agency and the light source for allowing the intermittent discharge of the former through the latter, said charge-storing agency and said circuit-connections being of such small inductance that the duration of each of the resultant light impulses is a fraction of the time required for reflection of such impulses from the aforesaid distant object.

2,409,031
ENGINE
Clarence E. Frank, Fraser, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 20, 1944, Serial No. 527,222
20 Claims. (Cl. 123—80)

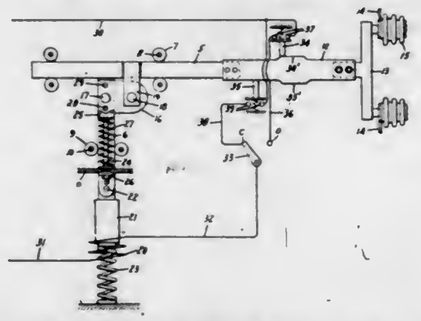
1. In an internal combustion engine having a cylinder, a cylinder head, a rotatable valve in said

head associated with the cylinder, an oil inlet conduit in said cylinder head communicating with a bearing surface of the valve for delivering oil



thereto, and a porous plug element in said conduit contacting said valve and restricting the flow of oil to said bearing surface, and constructed to permit flow of the oil through the pores thereof.

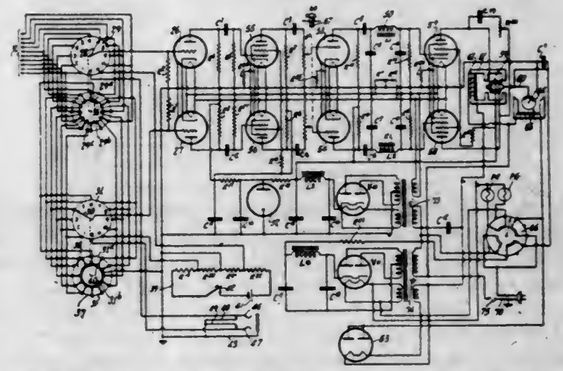
2,409,032
OPERATING MECHANISM
Charles E. Freese, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application October 13, 1943, Serial No. 506,053
13 Claims. (Cl. 200—87)



6. An operating mechanism for electric switches comprising a contact operator and an actuator therefor respectively mounted for reciprocating rectilinear movement of predetermend extents in directions substantially perpendicular to each other, electromagnetically actuated means for effecting substantially one-half of the movement of said contact operator in one direction of its movement upon a complete forward movement of the actuator and substantially the other half of the movement of said contact operator in said one direction of its movement upon a complete reverse movement of the actuator, and means controlled by said contact operator for effectively deenergizing said electromagnetically actuated means at an intermediate point of the movement of said contact operator.

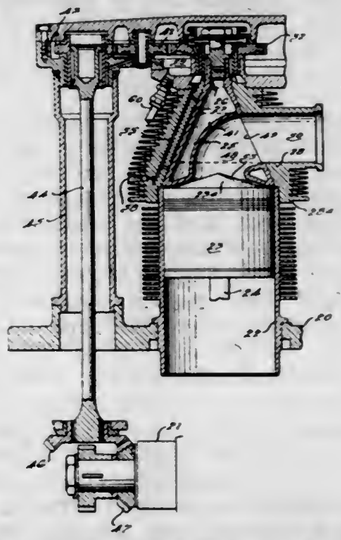
2,409,033
ELECTROENCEPHALOGRAPH DEVICE
Lovett Garceau, Holliston, Mass.
Application November 4, 1941, Serial No. 417,865
12 Claims. (Cl. 128—2.1)

1. In a device for making recordings of potentials generated in the human brain, a multistage push-pull amplifier, a plurality of contact members, means to hold said contact members in predetermined or definite positions in contact with the scalp of a patient, switching means, conductors for connecting said contact members to said switching means, connections between said switching means and the control grids of the first stage of said amplifier, said switching means being adapted to selectively connect said grids to any two of said conductors and to ground all of the other conductors,



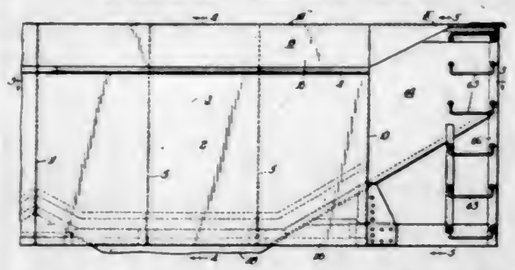
shielding means surrounding said conductors and connected to ground potential, a metallic table or the like for supporting said patient, a thin insulating pad between said table and said patient, means for connecting said support to ground potential thereby reducing the impedance of said tissue and leading off interfering potentials to ground, and a recording device connected to the output of said amplifier for recording potentials picked up by said contact members from said patient after the same have been amplified.

2,409,034
ENGINE
Waldo G. Gernandt and Alfred E. Walden, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 19, 1943, Serial No. 495,260
23 Claims. (Cl. 123—80)



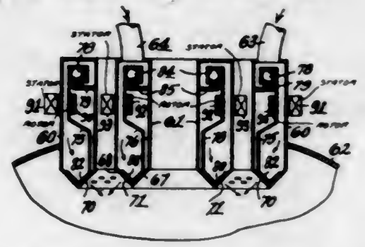
1. In an internal combustion engine, a cylinder head, and a rotatable generally frusto-conical valve therein, the outer wall of said valve and the juxtaposed wall of the cylinder head being relatively relieved to provide a circumferential area of varying clearance between the juxtaposed walls of the cylinder head and valve, said relieved area having a carbon formation therein providing a bearing surface between the valve and cylinder head.

2,409,035
RAILWAY CAR STRUCTURE
Garth G. Gilpin, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application October 27, 1943, Serial No. 508,083
6 Claims. (Cl. 105—409)



1. A wall for a railway car comprising spaced apart stakes each comprising a single web extending transversely of said car and chamfered at its upper outer edge, a wall sheet bent along its upper portion to the plane of said chamfers and welded to the outer edges of said stakes including the chamfered portions thereof, and a top chord comprising an inverted L-shaped section welded at both edges thereof to the bent portion of said wall sheet in overlapping relation with said stakes.

2,409,036
FEEDING DEVICE FOR COMBUSTION CHAMBERS
Robert H. Goddard, Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Application October 12, 1942, Serial No. 461,670
5 Claims. (Cl. 158—36)



2. Feeding mechanism for a combustion chamber in a rocket motor comprising concentric fixed annular casings mounted on said combustion chamber and projecting therein and having slots in their lower end portions, means to feed fluid fuel and a fluid oxidizing agent to said concentric fixed casings, rotatable annular members mounted within said fixed casings and having slots in their lower end portions coacting with said first-named slots to provide fluid passages when aligned therewith, and means to rotate said annular members.

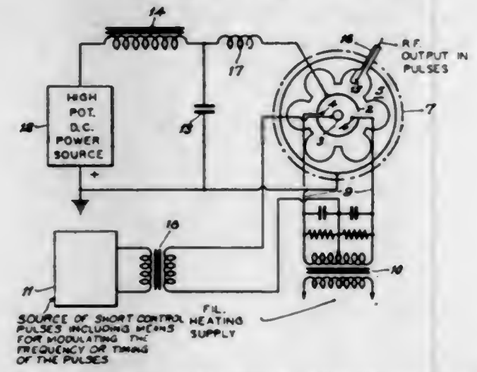
2,409,037
DOOR CONSTRUCTION
Frederick A. Guth, Denver, Ohio
Application September 4, 1944, Serial No. 552,590
10 Claims. (Cl. 160—33)

1. Door construction comprising a plurality of relatively slidable rigid door sections effective when in extended positions to close an associated doorway and to occupy relatively overlapping positions of marginal registration when positioned to open said doorway, means for supporting and moving said door sections between positions of doorway opening and closure, each pair of said door sections being formed with registering channels, and a rigid bar member movably occupying said channels and confined for longitudinal move-



ment therein, said bar members serving to unite the door sections associated therewith for guided relative movement.

2,409,038
MAGNETRON AND CIRCUIT THEREFOR
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1942, Serial No. 470,768
28 Claims. (Cl. 250—36)

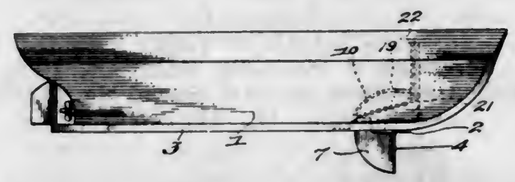


23. An electron discharge device comprising a metallic anode structure having a plurality of similar inwardly projecting electron target portions surrounding a substantially cylindrically-shaped hollow cathode, said anode and cathode being coaxially arranged, the spacing between the outside diameter of said cathode and the internally projecting target portions being less than the diameter of said cathode.

2,409,039
HALOGENATED COMPOUNDS AND PROCESS FOR MAKING SAME
Edgar E. Hardy, Anniston, Ala., and Gennady M. Kosolapoff, Dayton, Ohio, assignors to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application January 28, 1944, Serial No. 520,100
14 Claims. (Cl. 260—461)

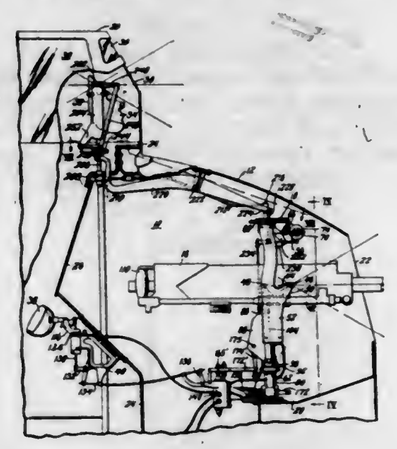
1. The process for manufacturing dialkyl phosphate derivatives which comprises reacting an aliphatic alcohol with phosphorus trichloride to form a crude product containing a dialkyl hydrogen phosphite and then chlorinating said product to produce the corresponding dialkyl chlorophosphate.

2,409,040
COMBINED SEA ANCHOR AND STABILIZER FOR BOATS
Asa J. Harris, Balboa, C. Z.
Application March 21, 1945, Serial No. 583,987
3 Claims. (Cl. 114—126)



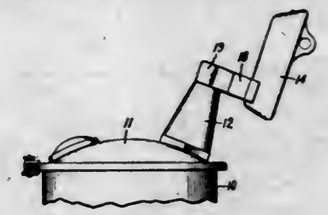
1. The combination with the hull of a boat having a keel, of a horizontal stabilizing fin fixed to the bottom of said keel and extending crosswise of the same, and a sea anchor comprising a drag plate hinged to said horizontal fin for swinging upwardly and rearwardly into horizontal position and downwardly into pendent substantially vertical position, and a vertical stabilizing fin extending from one side of said drag plate at a right angle thereto to trail said drag plate when said plate is swung downwardly, the vertical stabilizing fin extending upwardly through said keel for vertical swinging from a down swung position into an ineffective position and to swing the drag plate into horizontal position, and means in said hull to swing said vertical stabilizing fin upwardly.

2,409,041
GUN MOUNTING MECHANISM
Fred V. Hart, Lynn, and Lambert S. Linderoth, Jr., Marblehead, Mass., assignors, by mesne assignments, to the United States of America, as represented by the Secretary of War
Application May 12, 1942, Serial No. 442,688
5 Claims. (Cl. 89—41)



1. In a power operated mount for a gun, a pair of normally-vertical side plates embracing said gun and interconnected above and below said gun to form a frame, means pivoting said gun on and between said plates for elevation about a first normally-horizontal axis fixed relatively thereto, means mounting said frame for pivotal movement about a second normally-vertical axis and including a shaft aligned with said second axis and fixed to said frame, a traveler guided for translation only on and along said shaft, motor means connected to so translate said traveler, and link means pivoted at one end of said gun on an axis parallel to and offset with respect to said first axis, and to said traveler at the other end, whereby operation of said power means pivots said gun in elevation.

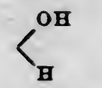
2,409,042
INSULATING GUARD
Benjamin R. Hermann, Lanesborough, Mass., assignor to General Electric Company, a corporation of New York
Application December 5, 1942, Serial No. 467,974
5 Claims. (Cl. 174—138)



1. In combination with an electrical device, an insulator including an electrical terminal at one end thereof, a circuit interrupting device, a supporting arm for said circuit interrupting device mounted on said terminal and electrically interconnecting said circuit interrupting device and said terminal, a resilient member mounted on said arm, a guard of insulating material enclosing the exposed parts of said terminal and arm for preventing foreign objects from adversely affecting said circuit interrupting device, and means including said resilient member engaging said guard to hold said guard in position on said arm.

2,409,043
HYDROXYLATED CYCLOPENTANO POLYHYDROPHENANTHRENE COMPOUNDS AND METHOD OF MAKING THE SAME
Hans Herloff Inhoffen, Berlin-Wilmersdorf, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application January 19, 1940, Serial No. 314,687. In Germany January 13, 1939
9 Claims. (Cl. 260—397.4)

1. In a process for the production of compounds of the cyclopentano polyhydrophenanthrene series, the step which comprises reacting a member of the group consisting of nuclearly saturated and nuclearly unsaturated 3-R-20-keto compounds of the pregnane series wherein R is a member of the class consisting of

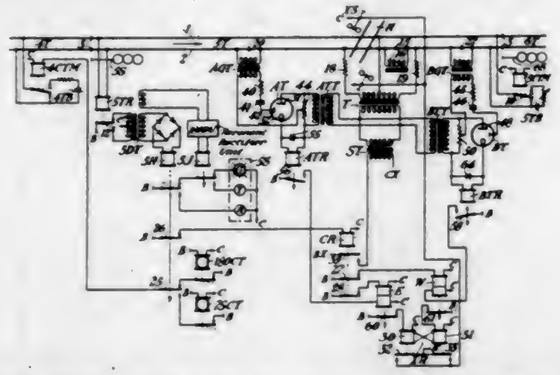


and groups convertible into the latter group with the aid of hydrolysis, there being a methyl group occupying the 21-position, with a halogen to convert said methyl group into —CH_2Hal, Hal standing for halogen.

2,409,044
RAILWAY SIGNALING APPARATUS
Arthur L. Jerome, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 9, 1943, Serial No. 471,838
17 Claims. (Cl. 246—130)

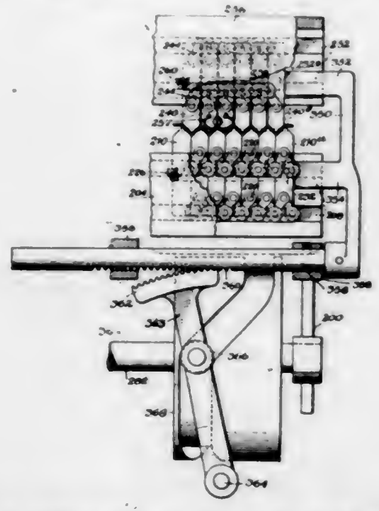
1. In apparatus for controlling the signal at the intersection between a highway and a stretch of railway track having track rails divided by insulated joints into track sections each of which is provided with track circuit apparatus comprising a relay governed by energy supplied over the section rails, said track stretch including an approach zone which is traversed by a train approaching said intersection and at least one end of which is situated at a point in said stretch

which is not a point of division between said track sections, in combination, a crossing signal, a first and a second transformer located at opposite ends of said approach zone and connected together in series over the rails of the portion of said stretch forming said approach zone, the relay of the track circuit for the track section which includes the highway intersection being



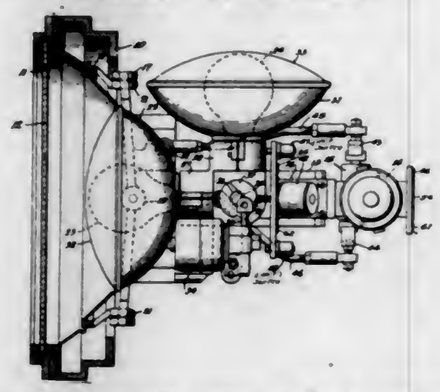
effective when picked up to prevent operation of said crossing signal and when released to cause to be supplied to said first transformer energy which is incapable of operating said track relay, and means responsive to energy supplied from said first transformer through said second transformer for also preventing operation of said crossing signal.

2,409,045
SLIP STITCHING MACHINE
Carl W. Johnson, Brooklyn, and Joseph A. Neumair, Hollis, N. Y., assignors to American Machine & Foundry Company, a corporation of New Jersey
Application February 17, 1943, Serial No. 476,164
5 Claims. (Cl. 112—174)



1. In a machine for making neckties, a row of spaced elements upon which a lining may be positioned with its length extending transversely thereof, and a folded necktie fabric having its longitudinal edges lapped upon each other may be positioned with its lapped edges extending along a longitudinal axis of said lining, a series of spaced members adapted to be engaged with the portions of said positioned necktie parts extending between said elements, springs connected to said elements and members and thereby maintaining them in spaced relation, means for moving said members to engage said members with and thereby flex the portions of said necktie parts intermediate said elements, and mechanism for moving said elements and members transversely toward each other to decrease the spacing thereof and thereby pleat the lining and fabric for stitching of the same together by a needle.

2,409,046
SIGNAL DEVICE
Jeremiah D. Kennelly, Oak Park, Ill.
Application June 22, 1944, Serial No. 541,561
6 Claims. (Cl. 177—329)



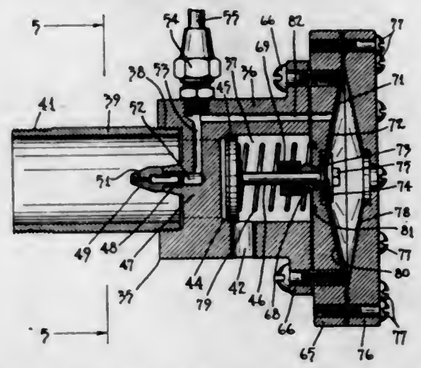
1. A signal device comprising a main frame adapted to be fixedly mounted on a car or the like and formed with an opening through which a light beam may project, a subframe, universal mounting means connecting the subframe to the main frame for universal pivotal movement relative thereto, a support pivoted on the subframe, a pair of light sources carried by the support to be moved selectively into register with the opening, means to oscillate the subframe about the universal mounting means, and means on the subframe to move the support to bring one or the other of the light sources into register with the opening.

2,409,047
PAPERBOARD COIN BOX
Clarence F. Klein, Columbus, Ohio, assignor to Frankenberg Bros., Inc., Columbus, Ohio, a corporation of Ohio
Application June 20, 1945, Serial No. 600,460
3 Claims. (Cl. 229—8.5)



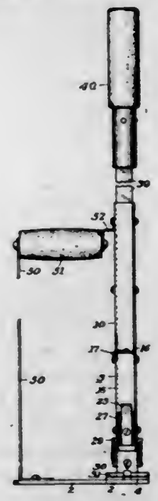
3. A normally closed coin-receiving box comprising a paperboard body composed of a single blank of material which is cut and folded to provide side, front and back panels and a plurality of reenforcing panels engageable with the inner surfaces of the front and back panels and with at least one of the side panels, a plurality of end-forming flaps formed with certain of said panels, the flaps at one end of said box embodying a pair of overlapping slotted flaps constituting integral extensions of said front and back panels, each of said slotted flaps possessing an area corresponding substantially to the full horizontal cross sectional area of the assembled box body, additional coin-retaining flaps integrally formed with the inner reenforcing front and back panels, each of said coin-retaining flaps possessing an area substantially less than that of the slotted flaps, so that the adjoining edges of the coin-retaining flaps are disposed substantially in alignment with the slots of the first-named flaps, and narrow inturned flap extensions formed with said side panels and arranged between the resiliently movable coin-retaining flaps and the slotted upper flaps for adhesive union with the lower of the slotted flaps.

2,409,048
WATER CLOSET
Frank J. La Mere, Minneapolis, Minn.
Application April 10, 1944, Serial No. 530,315
7 Claims. (Cl. 4—215)



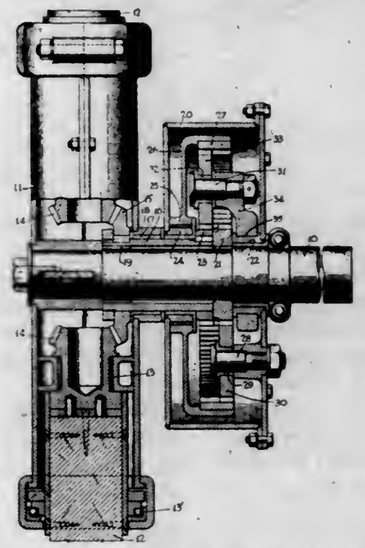
1. In combination with the bowl, stack and water supply pipe of a water closet, means forming a gas passageway between said bowl and stack, a valve in said passageway, an injector connected to said water pipe for procuring a draft through said passageway, means including an expansible fluid chamber connected to said water pipe for operating said valve and means for causing the simultaneous opening of said valve and operation of said injector.

2,409,049
DRIVER FOR TILT-TOP STAPLES
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocji Corporation, Pittsburgh, Pa., a corporation of Delaware
Application August 2, 1943, Serial No. 497,002
7 Claims. (Cl. 1—49)



1. A staple driving machine for use on roofs and like locations comprising a base plate of relatively large area, a driver mechanism and magazine mounted on the base plate, the base plate extending to one side of the driver and magazine sufficiently to provide a surface on which the operator of the machine may place his foot for holding the machine in place, the magazine being mounted directly on the base plate, and being provided with a feed mechanism for advancing a row of staples horizontally.

2,409,050
PROPELLER DRIVE WITH PITCH-CHANGING MECHANISM
Joseph Ledwinka, Philadelphia, Pa.
Application March 17, 1944, Serial No. 526,985
2 Claims. (Cl. 74—395)

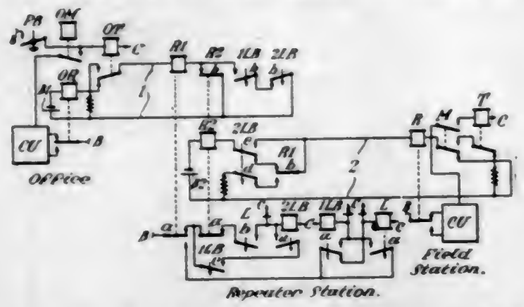


1. In a device of the class described, a pair of shafts rotatable about a common axis, one driving and one driven, and continuously intermeshed gearing forming a driving connection between said shafts, said gearing comprising an external gear fast to said driving shaft and a similar gear fast to said driven shaft and disposed in side by side relation to said first-named gear, an internal gear having a peripheral toothed portion encircling said external gears and spanning in width the combined width of their peripheries and further having a mounting portion disposed axially at one side only of said external gears for supporting it through a plain radial bearing for rotation about the common axis of said shafts, and a single pair of external gears rotatably mounted on respective normally fixed axes disposed on substantially diametrically opposite sides of said common shaft axis, the gears of said pair having their planes of rotation offset from each other in the direction of the common shaft axis, one meshing with the gear fast to said driving shaft and the other meshing with the gear fast to said driven shaft and both meshing with said internal gear and together forming the sole driving connection between said driving and driven shafts and said internal gear, the axis of one of said pair of external gears being mounted for angular adjustment about the common shaft axis to advance or retard the speed of one shaft with respect to the speed of the other.

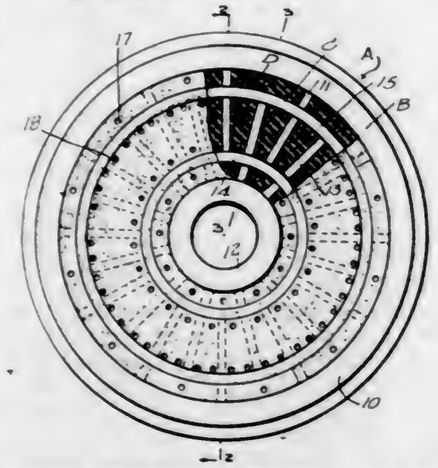
2,409,051
REMOTE CONTROL SYSTEM
Lloyd V. Lewis, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 2, 1944, Serial No. 552,504
12 Claims. (Cl. 177—353)

8. In a remote control system, a repeater including two line relays, a code transmitter at a control office for supplying code impulses to a first

communication circuit extending to said repeater for controlling one of said line relays, a code transmitter at a distant station for supplying code impulses to a second communication circuit extending to said repeater for controlling the other line relay, means including contacts of said one line relay for repeating code impulses received from the office into said second circuit, means controlled by the other line relay in response to the first impulse of a code received from said station for locally generating an impulse of relatively brief duration and for supplying such impulse to said first circuit, and means effective only if no impulse is received from the office during the reception by said repeater of the first impulse of a code received from said station for rendering the line relay for said second circuit effective to repeat the succeeding impulses of such code into said first circuit.



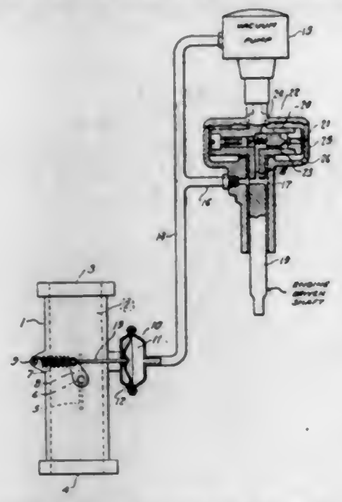
2,409,052
WHEEL
James Matthew MacLean, Detroit, Mich.
Application July 20, 1944, Serial No. 545,811
6 Claims. (Cl. 295—11)



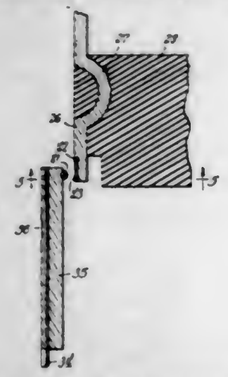
2. A wheel comprising two main structural elements in the form of a rim and a hub operatively arranged in concentric relation to one another, load supporting means in connection with each of said elements and a filling material having resilient characteristics disposed in the annular space between said elements and in contact with said load supporting means providing a resilient but stable wheel core and forming the means of continuity between the rim and the hub, said core being orificed adjacent to said load supporting means.

2,409,053
ENGINE GOVERNOR
Marion Mallory, Detroit, Mich.
Application June 11, 1945, Serial No. 598,818
6 Claims. (Cl. 123—103)

2. A governor for an internal combustion engine having an intake passageway comprising a throttle valve in said passageway, a pressure responsive device connected to said throttle valve, vacuum producing means in communication with said pressure responsive device and adapted to be driven by the engine so that the vacuum produced by said means will vary substantially in accordance with the speed of the engine, an air bleed to atmosphere for controlling the effective pressure at said pressure responsive device, and a centrifugally controlled valve for said air bleed responding at the governed speed of the engine and tending to close said air bleed whereby the pressure responsive device responds to the vacuum created by said means and tends to move said throttle valve toward closed position to decrease the charge entering the engine.

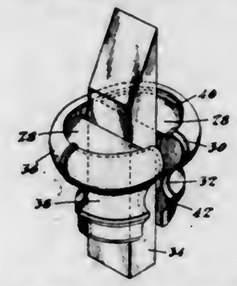


2,409,054
RELAY CONSTRUCTION
Frank R. McBerty, Mansfield, Ohio, assignor to The North Electric Manufacturing Company, Galion, Ohio, a corporation of Ohio
Original application July 29, 1940, Serial No. 348,222. Divided and this application June 28, 1943, Serial No. 492,568
8 Claims. (Cl. 200—104)



6. Multiple contact arrangement comprising a stationary contact element, a flat narrow metallic strip fixedly supported in insulated relation, a contact plate of erosion resisting metal clad upon the face of the lower end thereof, a groove formed in said contact plate to provide ridges on opposite sides of the groove, a cooperating movable contact element cooperating with said stationary contact element, said movable contact element comprising a narrow rigid metallic armature aligned longitudinally with said strip and having its inner end overlapping said contact plate, a slender spring wire reed upon the outer end of which said armature is rigidly attached in longitudinal alignment, and a short piece of fine contact wire of an erosion resisting metal welded upon and across the upper overlapping end of the armature and lying transverse to the aforesaid ridges on the stationary contact, said wire reed being adapted to be flexed longitudinally to bring said contact wire into engagement with said contact plate and adapted to be twisted if necessary to secure engagement of said contact wire with both ridges when the movable contact element is urged toward the stationary contact element.

2,409,055
METHOD OF MAKING HELMET EAR MUFFS
John J. McCann, Lowell, Mass.
Application February 10, 1944, Serial No. 521,767
11 Claims. (Cl. 2—209)



3. A method of making an annular shell, comprising the steps of placing an annulus of soft fabric over an expansible form having a substantially annular and convex outwardly curved peripheral portion and an adjacent substantially annular and concave inwardly curved peripheral portion of relatively smaller diameter, expanding the form to bring said portions into tight shaping contact with the annulus, removing the shaped annulus from the form, turning the larger portion outside-in to a position forming the outer wall of a hollow ring of which the relatively smaller shaped portion is the inner wall, and securing the free edges of the inner and outer walls together.

2,409,056
SOAP COMPOSITION
Herbert Kenneth McClain, Wyoming, Ohio, assignor to The Procter and Gamble Company, Ivorydale, Ohio, a corporation of Ohio
No Drawing. Application August 22, 1944, Serial No. 550,671
8 Claims. (Cl. 252—368)

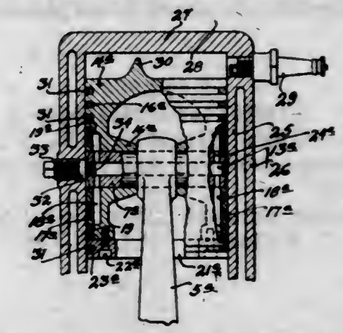
1. The process of inhibiting the development of rancidity and discoloration in a granular soap product prepared from a fat formula containing a minor proportion of rosin, which comprises incorporating with the soap a polyethylene polyamine of the formula

$$H_2N \cdot C_2H_4 \cdot (HN \cdot C_2H_4)_x \cdot NH_2$$

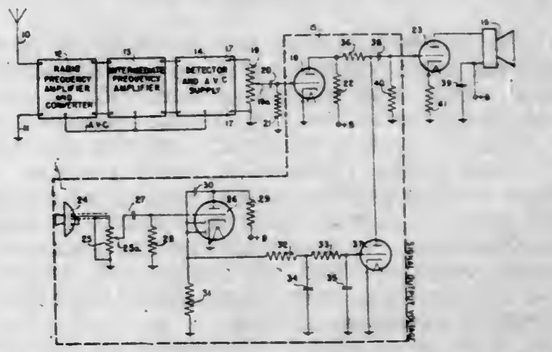
wherein x is a whole number from 1 to 3.

2,409,057
PISTON
Arthur E. Meinke, Minneapolis, Minn.
Application May 24, 1943, Serial No. 488,113
13 Claims. (Cl. 309—6)

8. In an engine, a cylinder, a piston working in said cylinder and having a head and a skirt, the skirt being formed by spaced inner and outer walls providing a lubricant reservoir therebetween, the outer cylinder-engaging portion of said walls being formed of a porous oil-absorbing metal, cooperating oil passages leading from the lubricating reservoir of the piston, aligned wrist pin-receiving apertures extending diametrically of the piston and through opposite sides of the inner and outer walls of the skirt, a wrist pin seated in the several aligned apertures, an oil passage through the cylinder wall at a point traversed by one of the wrist pin-receiving apertures in the outer wall of the piston skirt, and a cooperating oil passage from that end of the wrist pin to the piston's lubricant reservoir, a removable plug for closing the oil passageway in the wrist pin, and a removable plug for closing the oil passageway in the wrist pin, and a removable plug for closing the oil passage in the cylinder.



2,409,058
CONTROL SYSTEM FOR WAVE-SIGNAL RECEIVERS
Donald H. Mitchell, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application December 18, 1944, Serial No. 568,635
5 Claims. (Cl. 250—20)



1. In a modulated-wave-signal receiver adapted to be installed in an automobile and to operate under ambient noise levels of a wide range of values encountered while the automobile is in motion and including a sound-reproducer, a control system comprising, a signal-translating stage, a microphone displaced from said sound-reproducer and responsive to ambient noise in the vicinity of said receiver for developing a control signal, and means for utilizing said control signal to vary the signal output of said stage directly in accordance with said ambient noise.

2,409,059
PROCESS FOR REFINING MINERAL OILS
James V. Montgomery, Brownwood, Tex., L. Barrett Goodson, New York, N. Y., and Robert W. Henry, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Original application August 23, 1940, Serial No. 353,956. Divided and this application June 9, 1944, Serial No. 539,590
2 Claims. (Cl. 196—13)

1. The process of solvent extraction of mineral oils including the steps of mixing the oil with a solvent mixture comprising a hydrogenated selected fraction of commercial pyridine, an anti-solvent, and water, the selected fraction of com-

mercial pyridine boiling between the approximate limits of 240° and 500° F., and the hydrogenated material consisting essentially of pipecolines and the antisolvent being acetone, thereby forming a raffinate phase and an extract phase, and separating the raffinate phase from the extract phase.

2,409,060
LIGHTWEIGHT MAST
Harold A. Moore, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 11, 1943, Serial No. 490,441
4 Claims. (Cl. 20—99)



1. A lightweight mast composed of one or more sections, each comprising three parallel arranged wood rails substantially symmetrically related each to the other, corresponding recesses spaced along the length of said rails on each side thereof, bent rungs retained in said recesses, said rungs serving as steps and as means for retaining said rails as a unit, said rails being of reduced dimensions at each end and having enlarged recessed portions than the other end thereof so that the sections may be partially telescoped to extend the mast as desired.

2,409,061
BETA-AMINO, BETA-PROPYL GLUTARONITRILES AND PROCESS OF PREPARING THEM
Richard O. Norris, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 1, 1945, Serial No. 608,361
5 Claims. (Cl. 260—464)

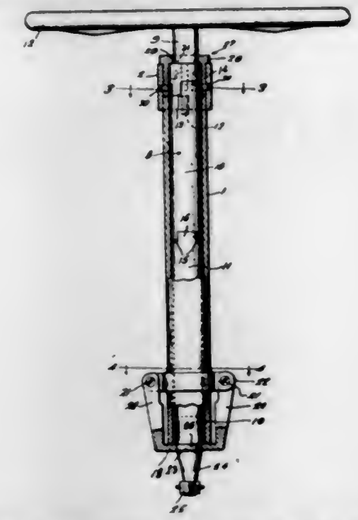
1. Compounds of the formula

$$N{\equiv}C{-}CH_2{-}\underset{\displaystyle R}{\overset{\displaystyle NH_2}{\underset{|}{\overset{|}{C}}}}{-}CH_2{-}CN$$

in which R is a radical of the group consisting of the propyl and isopropyl radicals.

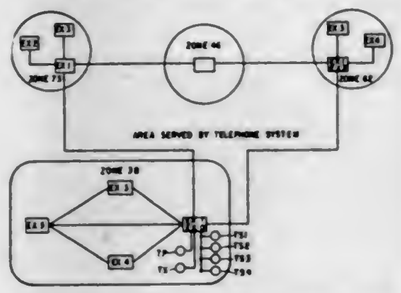
2,409,062
STEERING COLUMN
Charles C. Oliver, New Orleans, La., assignor of one-half to Avin C. Johnson, New Orleans, La.
Application March 10, 1945, Serial No. 582,086
5 Claims. (Cl. 64—3)

1. A steering column of the character described comprising a tubular housing, a removable shaft rotatably mounted in said housing, said shaft including a shoulder on one end portion, a sleeve fixed on the corresponding end portion of the housing and projecting therefrom, said sleeve having an internal circumferential groove and further having a longitudinal groove therein communicating with the first-named groove, a stop projecting into the first-named groove, a



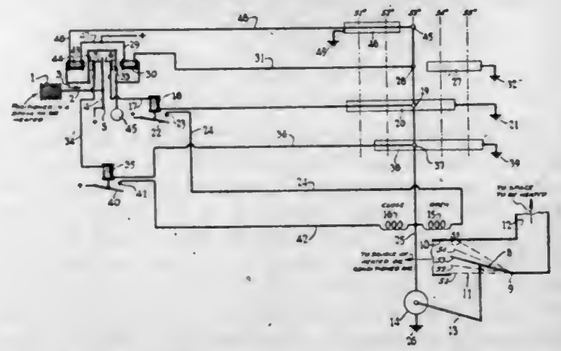
cap member mounted on the shaft and engaged with the shoulder, a lug on said cap member engageable in the first-named groove for anchoring said cap member in the sleeve, said lug being engageable with the stop, and a latch on the sleeve engageable with the lug for releasably securing the nut against retrograde rotation in said sleeve.

2,409,063
TELEPHONE SYSTEM
John E. Ostline, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application September 18, 1941, Serial No. 411,350
19 Claims. (Cl. 179—18)



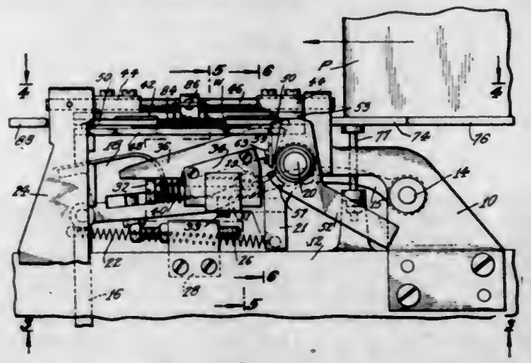
1. In a telephone system, a calling line, a called line, switching apparatus operative to set up a connection from said calling line to said called line, primary register mechanism, secondary register mechanism, means included in said primary register mechanism for registering therein digits transmitted over said calling line, additional means included in said primary register mechanism for determining in accordance with one or more of the digits registered therein whether said secondary register mechanism must be utilized to control said switching apparatus, further means included in said primary register mechanism and governed by said determining means for sending the digits registered therein to said secondary register mechanism, and means included in said secondary register mechanism for registering therein the digits sent from said primary register mechanism and for controlling said switching apparatus in accordance with the digits registered therein, whereby said switching apparatus is operated to set up a connection from said calling line to said called line.

2,409,064
DAMPER CONTROL
Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y., a corporation of New York
Application February 4, 1944, Serial No. 521,036
2 Claims. (Cl. 236—76)



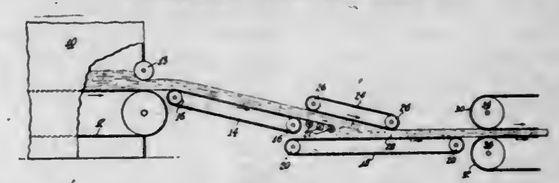
2. In a damper control, in combination: two separated juxtaposed contact fingers, said fingers having an unoperated position and an operated position, means normally biasing the contact fingers to unoperated position; a pivoted conducting member positioned therebetween and adapted to pivot so as to touch either of the contact fingers; electro-magnetic members, one positioned adjacent each of the contact fingers and each including an armature bearing a contact finger; means including a device actuated by the temperature of a space to be air-conditioned for moving the conducting member into contact with either of the said contact fingers and means for energizing either one or the other of the electromagnetic members whereby either one or the other of the contact fingers may be separated from the pivoted conducting member.

2,409,065
END LABELING MECHANISM
Ernest E. Pohl, Elmhurst, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application January 24, 1945, Serial No. 574,380
9 Claims. (Cl. 164—49)



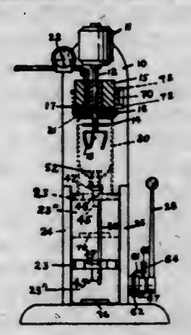
3. In a web-cutting mechanism, the combination with a stationary support, of a stationary knife provided with a cutting edge, said stationary knife also being provided with members which are pivotally mounted on said stationary support, an arm pivotally mounted for swinging movement to and fro, a knife supporting member pivotally mounted on said arm, a movable knife secured to said member and having a cutting edge adapted to coact with the cutting edge of said stationary knife to sever a length of material from a web of material positioned between the cutting edges of said knives, said stationary knife being pivotally movable upon said stationary support to a position wherein its cutting edge overlies one corner of said movable knife, and a spring urging said movable knife toward the stationary knife to maintain the corner of the movable knife underlying the stationary knife against the cutting edge of the stationary knife, the remainder of the movable knife being spaced sufficiently from the stationary knife to permit a web of material to be inserted between the cutting edges of the knives, said arm being movable toward the stationary knife to move the cutting edge of the lower knife across the cutting edge of the upper knife and thereby sever a length of material from said web, and a device for moving said movable knife away from the stationary knife to permit the stationary knife to be removed by swinging said members outwardly on said stationary support.

2,409,066
MANUFACTURE OF FELTED PRODUCTS
Edward R. Powell, North Plainfield, N. J., and Harry E. Holcomb, Stratford, Conn., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application January 23, 1943, Serial No. 473,368
7 Claims. (Cl. 154—28)



1. A method of reorienting the fibers of a traveling mat of felted mineral wool in which the fibers lie predominantly in planes parallel to the faces of the mat, said method comprising moving said mat to means traveling in a plane at an angle to the plane of such movement of said mat, but in the same general direction as, and at a slower speed than, such movement of said mat, and substantially simultaneously therewith confining the upper surface of said mat by means traveling in the plane of the upper surface of said mat and in the direction of movement of said mat.

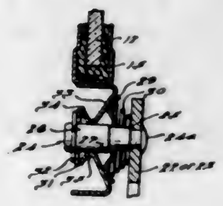
2,409,067
MEANS AND METHOD FOR MAKING PALATABLE MATERIAL
Claude A. Reed, Omaha, Nebr.
Application June 30, 1941, Serial No. 400,430
22 Claims. (Cl. 99—79)



1. The process of preparing a lacteal food comprising freezing a plurality of the ingredients

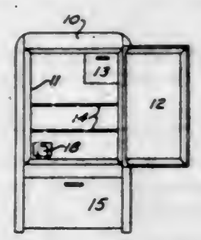
of said food into a solid mass, comminuting, mixing and impregnating ingredients of said food, including said solid mass, in a mixing zone with a gaseous material under superatmospheric pressure until a flowable mixture results, and releasing said flowable mixture to atmospheric pressure.

2,409,068
WINDOW REGULATOR
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application February 11, 1942, Serial No. 430,327
11 Claims. (Cl. 287—93)



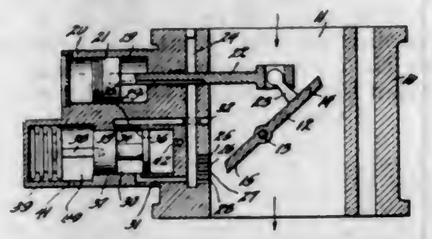
7. A window regulator comprising a swinging arm having a transverse stud fixed at its inner end adjacent one end of said arm, said stud having inner and outer annular abutments and a cylindrical portion therebetween, a yieldable washer located on the stud and slidable under spring pressure toward the outer end of the stud between the arm and the inner abutment and limited by said last abutment against outward movement on the stud, and means attachable to the stud and engaging the outer abutment for connecting the stud to a member.

2,409,069
REFRIGERATOR
Homer E. Rosebrook, Greenville, Mich., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application June 12, 1941, Serial No. 397,680
7 Claims. (Cl. 62—89)



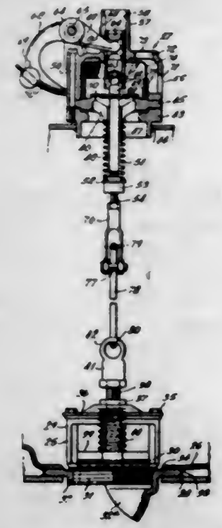
1. A refrigerator including, in combination, a cabinet formed to provide a main refrigerated compartment, a housing in said main compartment defining an auxiliary compartment, the walls of said housing being formed of relatively poor heat conducting material, means for refrigerating said main compartment including a condenser located outside of said main compartment, and heat transfer means for maintaining the temperature within said auxiliary compartment above that within the main compartment, said heat transfer means having a portion in heat exchange relation with said condenser and another portion in heat exchange relation with said auxiliary compartment, said last named portion being substantially insulated from said main refrigerated compartment.

2,409,070
SPEED GOVERNOR
Thomas M. Ruby, Whitmore Lake, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application April 27, 1945, Serial No. 590,541
8 Claims. (Cl. 137—153)



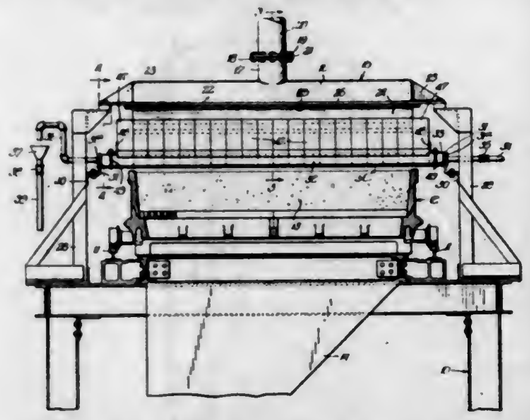
1. In a speed governor for internal combustion engines, a governor body enclosing a fuel-mixture conduit, an unbalanced throttle-plate supported in said conduit and adapted to be moved toward closed position by the flow of fuel mixture therethrough, means including a pressure-responsive element for urging said throttle-plate toward closed position, and means for progressively subjecting said pressure-responsive element to increasing degrees of engine vacuum as said throttle-plate approaches its closed position.

2,409,071
VENTING AND DISCHARGE VALVES FOR TANKS
Carlyle H. Scott, Forest Hills, and Paul H. Scott, Flushing, N. Y., assignors to The Safety Tank Truck Corporation, New York, N. Y., a corporation of New York
Application May 25, 1940, Serial No. 337,269
2 Claims. (Cl. 137—21)



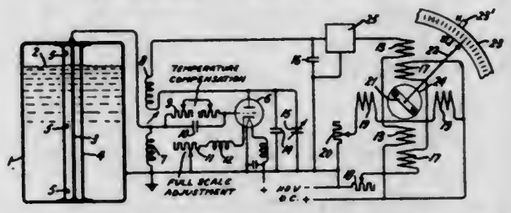
1. In a vent and breather valve for tanks for storing liquids having volatile components, comprising a valve seat, a valve head, yieldable means for normally holding said valve head on said seat, the combination therewith comprising a cap overlying said valve seat, and means movably mounted on said cap for lifting said valve from said seat against the resistance of said spring by a lost motion linkage whereby the valve may move independently and auxiliary discharge means for said valve comprising vent openings in said cap, a second set of vent openings in said cap, and fusible and frangible means normally closing said openings but adapted to yield under conditions of excessive pressure or temperature.

2,409,072
IGNITION FURNACE
Edward W. Shallock, Chicago, Ill., assignor to American Ore Reclamation Company, Chicago, Ill., a corporation of New York
Application August 26, 1943, Serial No. 500,075
8 Claims. (Cl. 266—21)



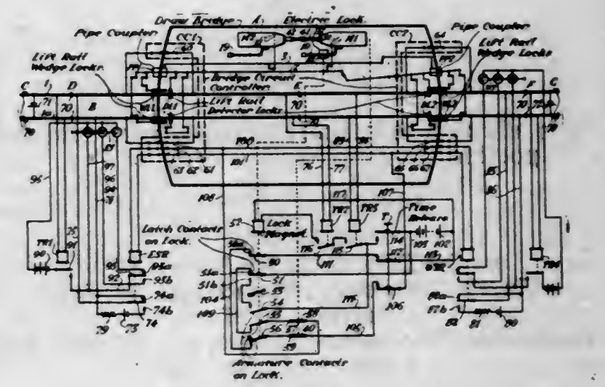
1. In an ignition furnace for sintering machines, a fuel supply retort having a downwardly extending tip member, a supporting frame disposed below said retort provided with substantially horizontal tubular members disposed at opposite sides of said tip member, said tubular members being adapted for circulation therethrough of a cooling fluid, refractory members seating adjacent their lower ends on the upper portions of said tubular members and seating adjacent their upper ends against the opposite sides of said tip member defining a downwardly opening combustion chamber, said refractory members being free from each other and from said tubular members and said tip member for individual removal and replacement, said tip member opening into said chamber for supplying fuel thereto, and refractory members mounted on said tubular members closing the ends of said chamber.

2,409,073
CAPACITOR FUEL GAUGE
Frederick R. Sias, Lynnfield Center, and Donald B. Pearson, Marblehead, Mass., assignors to General Electric Company, a corporation of New York
Application March 7, 1945, Serial No. 581,494
6 Claims. (Cl. 177—351)



1. An oscillation circuit measuring system comprising a vacuum tube having cathode, control grid and plate electrodes, a tuned input circuit connected between the cathode and grid containing a variable measurement condenser, a tuned output circuit including a direct current source of supply connected between the cathode and plate, said tuned circuits including a coil connected across the input circuit and a coil connected in the output circuit for coupling said circuits, a measuring instrument responsive to changes in current in the output circuit caused by variations of the measurement condenser in the input circuit, variable resistance means in the output circuit for obtaining full scale instrument adjustment, variable capacitance connected across the coil in the output circuit for varying the tuning of such circuit and obtaining zero scale instrument adjustment, and a grid leak in the grid connection of said vacuum tube including resistance having a temperature coefficient of resistance selected to compensate said measuring system for temperature errors.

2,409,074
DRAWBRIDGE INTERLOCKING
Roger Mills Snyder, Norfolk County, Va., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 18, 1944, Serial No. 545,523
6 Claims. (Cl. 246—118)



1. In an interlocking for a drawbridge over which the rails of a stretch of railway track pass, locks for locking the rails on said bridge in the proper positions relative to the rails on the bridge abutments for the passage of trains over said bridge, manually operable means operatively connected with said rail locks for actuating them between locking and unlocking positions, an electric lock controlling the operation of said manually operable means, two detector track sections one extending onto said bridge at each end of said bridge, means controlled in part by said detector sections for controlling the energization of said electric lock, said electric lock being effective when deenergized to prevent operation of said manually operable means away from the position in which said rail locks are in their locking positions, a control circuit controlled in accordance with the energized or deenergized condition of said electric lock and including a single pair of control wires extending across said bridge, and signals governing the passage of trains over said bridge controlled by said control circuit.

2,409,075
EXTENSIBLE STAND
Arthur M. Starck, Stamford, Conn.
Application November 18, 1944, Serial No. 564,110
2 Claims. (Cl. 248—161)

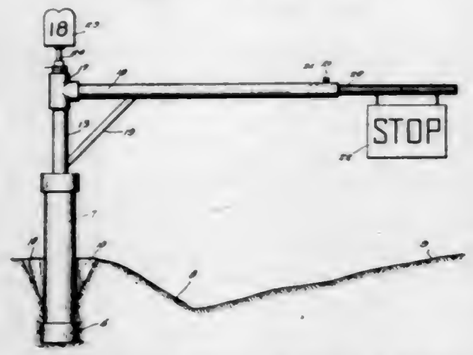
1. In a telescoping stand having stationary and movable relatively non-rotatable portions, a device for counterbalancing the weight of the movable portion, said device comprising a helical compression spring non-rotatably secured at one end to the stationary portion, a cap member rigidly secured to the other end of said spring, and an elongated member non-rotatably secured at one end to the movable portion and provided with a helical element extending through and threadedly engaging said cap member to torsion

said spring, said cap member reacting under the torsional force of said spring to provide a vertical



force adapted to support the weight of said movable portion.

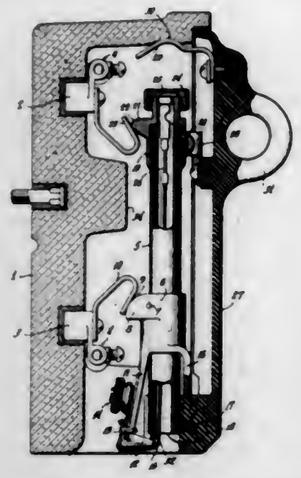
2,409,076
SWINGABLE ROAD SIGN
Harry J. Steinberger and Sam Sanders, Artesia, N. Mex.
Application December 27, 1944, Serial No. 570,027
1 Claim. (Cl. 40—145)



A road sign comprising a base, a tubular member fixed to the base and rising therefrom, a tubular housing rising from the base and adapted for embedding in the ground, a cylindrical guide positioned in the member and projecting upwardly therefrom, said member having an inclined upper edge, a tubular post having a correspondingly inclined lower edge rotatably supported on said member and receiving said guide, a horizontal arm attached to the upper end of the post and adapted to rotate the post upon an object engaging and moving the arm, and spring means exerting a downward pressure on the post to yieldably maintain the inclined edges in matching relation.

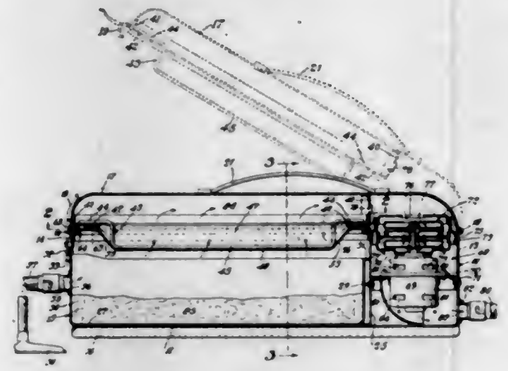
2,409,077
EXPULSION FUSE
Alwin G. Steinmayer, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application June 4, 1943, Serial No. 489,599
10 Claims. (Cl. 200—114)

1. A housed type of drop-out fuse construction comprising a housing, a fuse tube pivotally supported from the housing and normally positioned within the housing, pivot means fixedly carried by said fuse tube, a door pivoted on said pivot means, said fuse tube having spaced contacts, stationary contacts carried by said housing and normally engaging the contacts of said fuse tube, a fuse link within said fuse tube normally electrically connecting the contacts of said fuse tube and coacting with said door to nor-



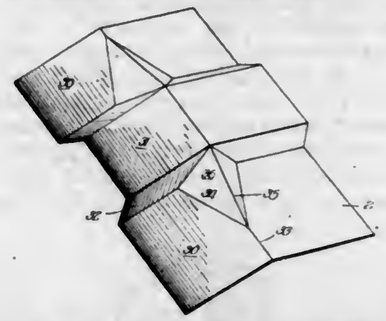
mally prevent said door from pivoting with reference to said fuse tube, said door being biased towards rocking motion with reference to said fuse tube and said fuse tube being biased towards rocking motion with reference to said housing, said door normally interlocking with said housing and releasing itself from said housing when said door rocks with reference to said fuse tube.

2,409,078
SUCTION CLEANER
Edward R. Swann, Floral Park, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 13, 1943, Serial No. 506,043
3 Claims. (Cl. 183—71)



1. A suction cleaner comprising a casing, a movable cover for said casing, a filter having elongated corrugations including alternate ridges and depressions each terminating at their opposite ends in one plane at the marginal edge of said filter, cooperating means on said cover and casing each in one plane, closing said cover clamping said marginal edge of said filter in one plane, and a filter supporting frame mounted in said cover and movable therewith, closing said cover positioning said frame only in the said ridges of said filter to support said ridges against the force of said air stream and said depressions unsupported.

2,409,079
RAILWAY CAR ROOF STRUCTURE
James S. Swann, Homewood, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application April 2, 1945, Serial No. 586,090
5 Claims. (Cl. 108—5.4)

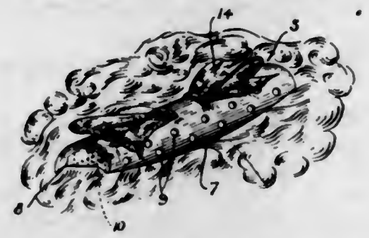


1. A car roof sheet of thin metallic material having a main portion, an offset portion in a plane substantially parallel to said main portion, and a web connecting said portions, said portions and said web being bent to form a ridge extending transversely of said sheet, said sheet formed with an embossment springing from the ridge of said main portion and merging with the adjacent edge of the ridge of the offset portion and merging into said main portion and web on opposite sides of said ridge.

2,409,080
PREPARATION OF ALKYLATED CYCLIC HYDROCARBONS
Carlisle M. Thacker and Richmond T. Bell, Highland Park, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application March 4, 1944, Serial No. 525,100
17 Claims. (Cl. 260—671)

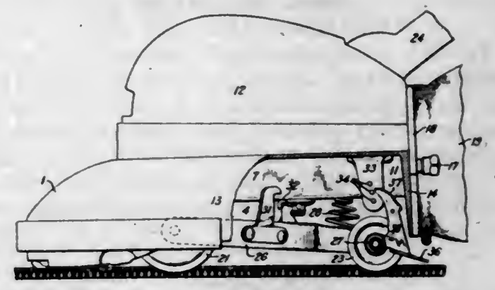
6. The method of alkylating benzene which comprises contacting a mixture of benzene and a sulfur compound selected from the group consisting of alkyl mercaptans and alkyl sulfides with copper pyrophosphate at a temperature of approximately 200–525° C.

2,409,081
ORNAMENTAL HAIR CURLER COVER
Julia R. W. Torrens, Lake Jackson, Tex.
Application July 19, 1945, Serial No. 605,933
4 Claims. (Cl. 132—31)



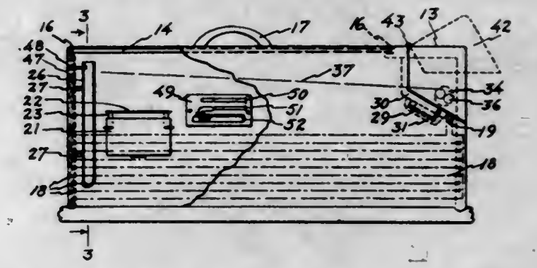
4. As a new article of manufacture, an accessory fashioned to receive, enclose and wholly conceal an unsightly tubular hair curler, comprising a mask, said mask being in the form of a hollow shell of elongated concavo convex form and including longitudinal side portions and enclosing transverse end portions, said end portions being provided with laterally inturned attaching and retaining fingers adapted to fit into open ends of the tubular portion of the aforementioned hair curler.

2,409,082
SUCTION CLEANER
Charles G. Troxler, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 19, 1943, Serial No. 483,557
7 Claims. (Cl. 15—16)



3. In a suction cleaner, a first part comprising a body including a nozzle adapted to drop down into contact with an underlying surface covering and to determine the plane of the aforesaid top surface thereof, said first part also comprising a first supporting wheel fixed to said body, a second part comprising a second supporting wheel movable relative to said body, and means to adjust said second supporting wheel relative to said body to position said nozzle relative to said surface covering through determining the angular position of said body on said first supporting wheel, said means including a plurality of fixed contacts carried by one of said parts and a movable operator-operable element carried by the other part and provided with a cam surface adapted selectively to engage said fixed contacts, said cam surface shaped as to cam said second supporting wheel relative to said body to alter its position relative thereto to raise said nozzle from a position in contact with said surface covering for determining the plane of the top surface thereof to an optimum operating position thereabove.

2,409,083
ENCLOSURE FOR BASSINETS
Robert Valverde, New York, N. Y.
Application August 25, 1943, Serial No. 500,023
3 Claims. (Cl. 128—1)



1. An incubator for premature infants, said incubator comprising a cabinet having an open bottom, the edges of which form a rectangle slightly smaller than the top surface of a mattress of a hospital bassinet so as to enclose the infant completely, the cabinet also having a top opening of substantial size and through which a nurse can service an infant in the incubator, a flange around the top opening, and a transparent cover that fits within the flange and closes said top opening of the incubator, said transparent cover being free along all four sides so that any edge of the cover can be tipped up above the edge of the flange and the cover slid toward the tipped-up edge to provide an opening of any desired width along any side of the cabinet.

2,409,084
PROCESS OF BLEACHING AND STERILIZING STARCH
George Paul Vincent, Poughkeepsie, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of West Virginia
No Drawing. Application August 3, 1940, Serial No. 351,207
5 Claims. (Cl. 127—71)

1. In the bleaching and sterilizing of starch, the improvement which comprises subjecting the starch in a substantially dry state to the action of an activated soluble, inorganic chlorite by intimately admixing the starch with the chlorite and activating the chlorite while in admixture with the starch by an acid in a non-liquid state.

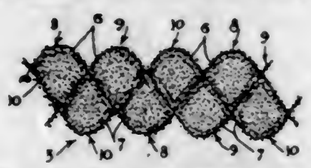
2,409,085
STARCH SOLUBILIZATION
George P. Vincent, Briarcliff Manor, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application January 25, 1944, Serial No. 519,660
4 Claims. (Cl. 127—33)

1. A process which comprises treating starch in an acid aqueous medium with about 0.15% to 2.5% by weight on the starch of a soluble inorganic chlorite in the presence of an activating agent for the chlorite, the agent being present in an amount effective to activate the chlorite, the temperature and the duration of he treatment being such as to result in substantial solubilization of the starch.

2,409,086
REACTION PRODUCTS OF NITRILES AND ALDEHYDES
Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 1, 1943, Serial No. 485,361
1 Claim. (Cl. 260—464)

As a new chemical compound γ-formyl pimelonitrile.

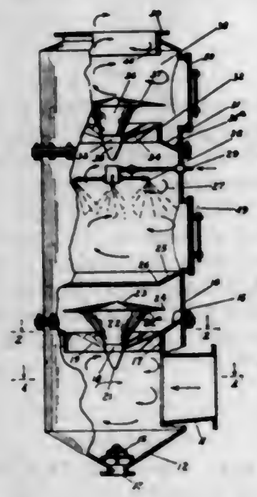
2,409,087
WOVEN CLOTH
Jan V. Weinberger, Truro, Nova Scotia, Canada
Application August 10, 1945, Serial No. 610,077
In Canada October 21, 1943
7 Claims. (Cl. 139—390)



1. A woven cloth comprising a plurality of courses of large gauge weftwise extending fillers bound in place and crushed together by a plurality of intersecting woven binding fabrics.

2,409,088
DEVICE FOR WASHING AND CONDITIONING AIR AND GASES
John Weits, Baldwin, and Hans Held, Flushing, N. Y.
Application July 9, 1943, Serial No. 493,962
5 Claims. (Cl. 183—21)

4. An air cleansing device comprising in combination a cylindrical casing having a vertical axis, comprising an intake chamber at the bottom, a spray chamber above said intake chamber and a separating chamber above said spray chamber, said intake chamber having a tangential inlet to establish a rotary motion in incoming air to form a rotating column within said intake chamber, said spray chamber having jets for projecting a spray through air rotating in said spray chamber, an annular baffle extending inwardly and downwardly from said casing between said intake chamber and said spray chamber, a second annular baffle extending inwardly from said casing between the spray chamber and the separating chamber, each of said baffles having a central opening, an inverted conical deflector supported within and extending downwardly into the opening of each of said baffles, each forming with the



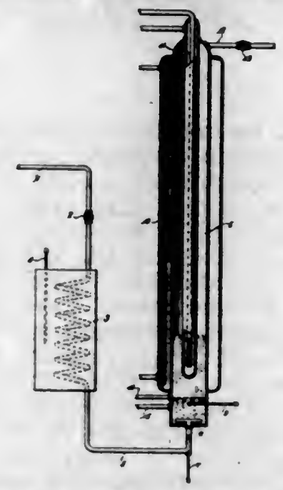
baffle an upwardly and outwardly extending annular channel, a set of vanes for said first mentioned conical deflector and a set of vanes for said second mentioned conical deflector, all of said vanes being attached along their inner edges to each of said conical deflectors and extending from said point of attachment radially outward, and attached along their outer ends to corresponding annular baffle dividing each of said channels into a plurality of upwardly extending passageways, said vanes being inclined to the vertical, one set to receive the rotating column of air from said intake chamber and maintain it in rotation and deliver it smoothly into the spray chamber and the other set to receive the rotating column of air from said spray chamber and maintain it in rotation and deliver it smoothly into the separating chamber.

2,409,089
DIRECTIONALLY STIFF WOVEN FABRIC AND METHOD
Ross C. Whitman, Walpole, Mass., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Application May 17, 1943, Serial No. 487,360
18 Claims. (Cl. 139—420)



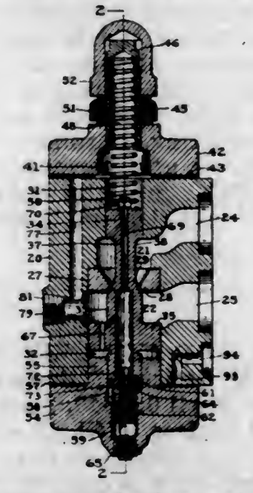
1. A woven fabric having much greater stiffness in one yarn direction than in the other, comprising sets of warp and filling yarns interwoven with each other, one of said sets consisting mainly of fused cellulosic oppositely twisted yarns materially stiffer than those of the other set and providing greater stiffness in their direction.

2,409,090
ETHYLENE ALKYLATION
Robert E. Woodward, Westville, and Wendell P. Hawthorne, Wenonah, N. J., and Jacob R. Meadow, Memphis, Tenn., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application November 29, 1944, Serial No. 565,787
8 Claims. (Cl. 260—683.4)



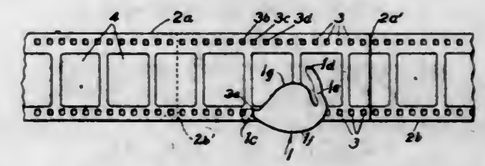
1. A process for the synthesis of valuable hydrocarbon products by alkylation of isoparaffins with ethylene which comprises forming a vapor phase charge mixture containing ethylene and isoparaffin, dispersing said charge mixture as a vapor at a temperature of 400° F. to 1000° F. into a body of liquid hydrogen fluoride maintained at a temperature of about 100° F. to 200° F. under a pressure sufficient to maintain liquid hydrogen fluoride in said body, separating hydrocarbons from hydrogen fluoride and separating valuable synthetic products from the separated hydrocarbons.

2,409,091
HYDRAULIC APPARATUS
Fred J. Wright, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application February 29, 1944, Serial No. 524,407
12 Claims. (Cl. 137—15.3)



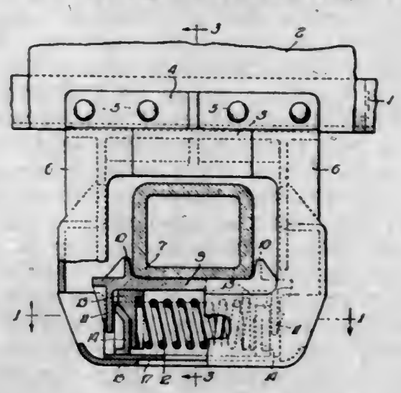
1. A fluid pressure reducing valve comprising, in combination, a valve body having inlet and outlet ports and a passage connecting the same; valve means in said body for dividing the passage into a high pressure chamber and a low pressure chamber connected, respectively, to said inlet and outlet ports, said valve means including a valve seat and a valve movable onto and away from the seat for controlling the flow of fluid between said chambers, said high pressure chamber including a cylinder; a movable body, including said valve, forming a piston, said piston being slidable in said cylinder, one of said bodies providing a restricted passage leading to opposite ends of the piston, said body forming a third chamber and a passage connecting the same with a source of pressure; and means responsive to an increase in pressure in the third chamber for actuating the movable body to decrease communication between said chambers.

2,409,092
SPLICE FROG FOR TEMPORARILY JOINING MOTION-PICTURE FILM SECTIONS
Joseph Yolo, Yakima, Wash.
Application October 19, 1944, Serial No. 559,470
7 Claims. (Cl. 88—19.5)



4. In a splice frog for temporarily joining lapped motion picture film sections having two rows of aligned sprocket sprocket wheel apertures, the combination of a body portion having oppositely disposed edges, a head portion hooked toward one edge of said body portion and adapted to be inserted through a pair of aligned said apertures of one row, and a tail portion adapted then to be inserted slantwise through a pair of said aligned apertures in the other row by turning said body portion in the general direction toward its other edge.

2,409,093
CAR COUPLER CENTERING DEVICE
Kurt E. Zeidler, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application June 3, 1943, Serial No. 489,559
6 Claims. (Cl. 213—21)



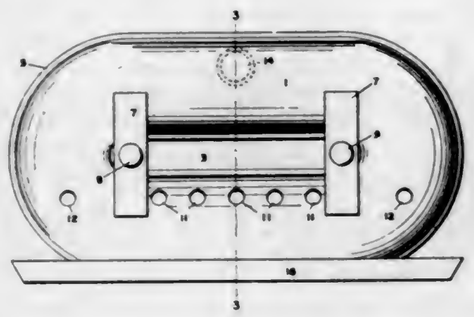
3. A coupler carrying and centering device for a railway car having a member rigidly mounted thereupon and adapted to support a coupler shank, said device comprising a carrier having spaced upwardly projecting lugs adapted to receive a coupler shank therebetween and spaced depending flanges, a pair of telescopic followers

adjacent each flange, the outer follower of each pair supported by said member and slidable thereupon and engageable therewith to limit the outward movement of said follower, and the inner follower of each pair supporting said carrier between said flanges, and a coil spring between the paired followers, each pair of followers having downwardly and inwardly inclined surfaces arranged so that a downward and/or lateral movement of said carrier causes compression of said spring and is thereby resiliently resisted so that said parts are returned to normal when free to do so.

2,409,094
BALLAST BLOCK
Carl C. Ahles, Albany, N. Y.
No Drawing. Application May 29, 1943, Serial No. 489,257
4 Claims. (Cl. 106—97)

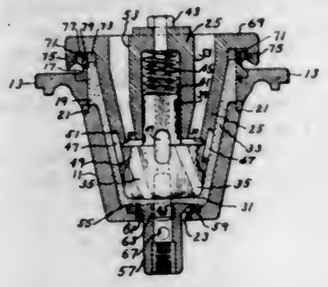
1. A magnetic ballast block having a specific gravity of the order of 3 and up and formed of concrete comprising, by weight, about one part of hydraulic cement and from about four to about eight parts of magnetite.

2,409,095
RETORT TYPE OIL BURNER
Ernest J. Ashby, Indianapolis, Ind.
Application September 16, 1944, Serial No. 554,506
1 Claim. (Cl. 158—63)



An oil burner comprising a two part vaporizing chamber of circular form in cross section and oval form in elevation, both parts of the chamber being substantially similar in form and of completely curved form throughout the interior of each part, the two parts of the chamber being hollow and fitted edge to edge to complete a substantially closed chamber, the chamber having a central web in line with the junction of the meeting edges of the two parts of the chamber with the central web formed with an opening, a pin passed through said opening, a plate on each side of the chamber in parallelism with the central web through which the pin is passed, a head on one end of the pin to bear against one plate, and a wedge key to be passed through an opening in the pin to overly the other plate to secure the parts of the sectional chamber removably together, a supply pipe entering the chamber near the top thereof, the chamber being formed in parallelism with the central web and throughout the length thereof with openings for the escape of the vapor of the medium used, and further formed beyond such escape openings with further openings for the admission of air to the chamber, the wedge key maintaining the junction of the chamber parts under a sealing tension and permitting ready separation of the chamber parts when desired.

2,409,096
PLASTIC FORMING APPARATUS
William J. Baird, Birmingham, and William N. Sparks, Inkster, Mich.
Application November 24, 1944, Serial No. 564,984
3 Claims. (Cl. 25—26)



1. A spinner for rotatable insertion into a mold for shaping plastic material to form smoothly finished ware comprising, a body of substantially circular cross-sections, the upper end of said body being adapted for mounting upon axial rotation means, a nose on the other end of said body, means for slidably supporting said nose on said body for movement toward the body to define a contiguous peripheral surface therewith and for movement away from the body to separate formed wares therefrom, the adjacent portions of said body and nose being formed to meet along a plane at right angles to the axis of rotation, trimming means around the upper end of said body, an elongated driving and wiping key, key receiving slots extending in aligned interconnecting relation in the adjacent peripheral surfaces of said body and nose for receiving said key flush with said surfaces, and one end of said key being secured in one of said slots so that the other end of the key may slide back and forth in the other slot as the nose is moved toward or away from the body.

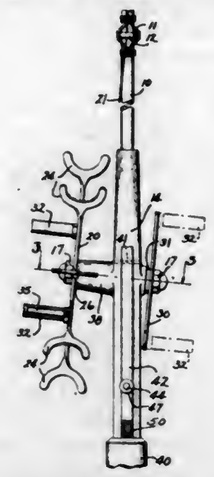
2,409,097
ELECTROLYTIC POLISHING
Clements Batcheller, Glens Falls, N. Y.
No Drawing. Application January 7, 1941, Serial No. 373,461
3 Claims. (Cl. 204—140)

1. The method of polishing the surface of a metal alloy of the group consisting of "Monel" metal and the chrome-nickel stainless steels, which comprises subjecting the alloy to electrolytic action as anode at a current density of from about ½ to about 30 amperes per square inch and in an electrolyte containing a plurality of ingredients of which the following, in the percentages by weight stated, are the only necessary ingredients, free sulphuric acid from about 15% to about 55%, a second acid selected from the group consisting chromic, vanadic, metavanadic, manganic and permanganic from about 2% to about 20%, and the balance water; the temperature of said electrolyte being in execess of about 160° F.

2,409,098
FISHING ROD AND REEL ASSEMBLY
John M. Benson, Milwaukee, Wis.
Application April 6, 1945, Serial No. 586,938
8 Claims. (Cl. 43—20)

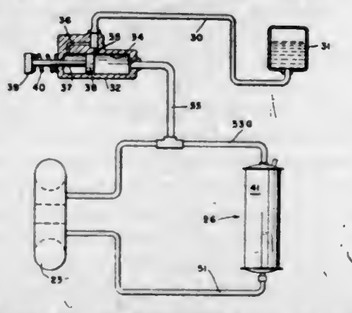
1. A fishing rod and reel assembly comprising the combination with a casting rod, of a transverse reel supporting shaft obliquely mounted in the rod, and an open reel disk fixedly secured to

the shaft at one end and provided with transversely disposed arcuate line-gathering wings, radially spaced from the disk, a brake lever pivoted to the rod in bearing relation to said shaft,



and a spring interposed between the actuating arm of the brake lever and the rod in a position to normally urge the lever out of bearing contact with the shaft.

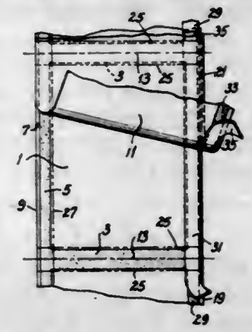
2,409,099
BRAKE COOLER
John J. Bloomfield, Burbank, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation, a corporation of California
Application July 12, 1943, Serial No. 494,330
8 Claims. (Cl. 188—264)



1. In a brake system having a brake drum, friction means operable into cooperation with the drum and a fluid pressure system for operating the friction means, the combination of coolant discharge means for discharging coolant adjacent the drum and friction means, and means controlled and operated by said fluid pressure system for supplying coolant under superatmospheric pressure to the discharge means including piston means actuated by the fluid pressure in said system and operable to impose pressure on the coolant to force the same to the discharge means.

2,409,100
BAG STRUCTURE AND PROCESS OF MANUFACTURE
Charles V. Brady, Webster Groves, and Russell J. Williams, Richmond Heights, Mo., assignors to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application November 1, 1943, Serial No. 508,534
6 Claims. (Cl. 93—35)

3. A method of manufacturing bags comprising applying to a continuous web portion of material laterally located and longitudinally spaced bars of adhesive, applying longitudinal stripes joining the ends of said bars of adhesive and located near the edges of said web, applying a continuous tape over one of said stripes to cover the same, said last-named stripe being tacky to permit tape removal, applying an edgewise stripe of tacky adhesive to a second web portion of material, applying said second web portion to the



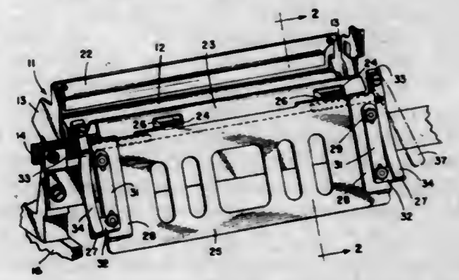
first web portion so as to bring its stripe of tacky adhesive opposite said tape-covered stripe on the other web, locating a second covering of continuous removable tape between the last-named adhesive and the first-named tape, and segmenting both web portions and the tapes in the regions of said laterally located adhesive bars.

2,409,101
FINGER OR HAND ATTACHMENT
Vertner D. Brittingham, Dearborn, Mich.
Application November 23, 1943, Serial No. 511,409
1 Claim. (Cl. 2—21)



A finger attachment comprising an element formed from hard surfaced material and adapted to be positioned over a finger of the user, said element having on the outer surface a pair of relatively large flat surfaces angularly disposed one to the other, said surfaces abutting on the ball side of the finger along substantially the center line of the finger, whereby the flat surfaces on an attachment positioned on the user's thumb will engage corresponding flat surfaces on two other similar attachments on the fingers to provide an improved gripping action.

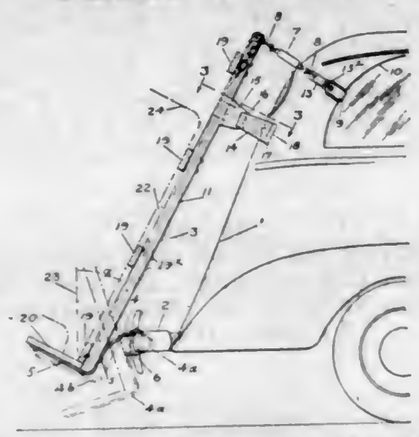
2,409,102
GUIDING MEANS
Charles W. Burcky, Park Ridge, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application January 29, 1945, Serial No. 575,131
3 Claims. (Cl. 197—133)



1. In a printing apparatus, a stationary frame, a platen carriage movable upon said frame for character spacing, a convex apron at the rear of said carriage having a set of slots near the

rearmost edge thereof, a paper guiding chute having ears insertable into said slots for supporting said chute to extend obliquely downwardly from said apron, a pair of flat spring hold-down clamps pivotally attached to said carriage, one adjacent each edge of said chute, cooperating lugs on said chute, whereby said clamps are adapted to be superimposed upon said lugs to retain said chute and to be swung clear of said lugs to render said chute readily detachable, and means on said chute coactive with the extremities of said clamps to obviate disalignment of said chute with respect to the paper.

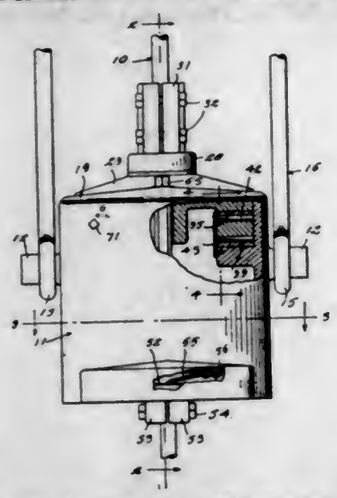
2,409,103
AUTOMOBILE LUGGAGE CARRIER
John C. A. Cameron, Washington, D. C.
Application August 17, 1943, Serial No. 498,963
3 Claims. (Cl. 224—29)



1. An automobile luggage carrier which includes: a frame composed of uprights connected by cross arms; a foot-board at the bottom of said frame; shock-absorbing leaf spring members, one end of each leaf-spring member being secured to the lower part of the frame and extending upwardly from the same, the other end of each leaf-spring member being formed into a hook to hook over and under the rear bumper of an automobile; blocks secured to said uprights; a bar shaped to fit crosswise of the back of the automobile and having portions engaged by said blocks with rolling contact; and means to connect the upper part of the frame with the side windows of the automobile.

2,409,104
SUCKER ROD TIGHTENER
James D. Cavaness, Arlington, Tex.
Application February 26, 1945, Serial No. 579,877
5 Claims. (Cl. 255—14)

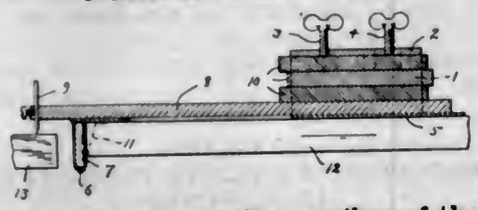
1. A sucker rod tightener comprising a housing engaging about polish rod, oppositely extending trunnions carried by said housing, means engaging said trunnions supporting said housing for vertical reciprocating movement, and means in said housing for effecting rotation of said rod in one direction upon upward movement of said housing, said latter means including a pair of oppositely disposed wedge members slidably mounted in said housing, a plate, movable endwise with respect to said housing and rotatable about said rod, said plate formed with inclined surfaces engageable with said wedge members for sliding said wedge members upon vertical movement of said housing, a pair of rock levers engageable at one end thereof with said wedge members, whereby movement of said wedge members will rock said levers, a pair of oppositely disposed pawls carried by the opposite ends of said levers, and a toothed plate loose in said housing and fixed to said rod, said pawls engaging said plate to thereby effect the rotation of said plate upon rocking of said levers in one direction.



2,409,105
ELECTRICAL TIMING ARRANGEMENT
David Adam Christian, Batley, England, assignor to Siemens Brothers & Co. Limited, London, England, a British company
Application October 21, 1943, Serial No. 507,115
In Great Britain November 19, 1942
14 Claims. (Cl. 179—16)

1. Electrical timing apparatus for deriving a time interval which bears a linear relation to a given time interval comprising first and second timing means arranged to be operated at different rates, means for starting the first timing means at the beginning of the given time interval, means for starting the second timing means at the end of the given time interval, and means controlled by said two timing means responsive to their reaching a common condition for determining the duration of the derived time interval.

2,409,106
SCRIBER
Robert T. Connelly, Duluth, Minn.
Application March 17, 1944, Serial No. 526,968
3 Claims. (Cl. 33—41)

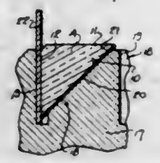


1. The combination with a scriber of the class described having a hollow body portion normally open at opposite ends, an arm-like gauging member carried upon the lowermost longitudinal face of said body portion, a gauging beam longitudinally adjustable within said body portion, and means for holding same in any of its adjusted positions; of means carried by said body portion for selective positioning of said beam in spaced relation perpendicularly in respect to said arm-like member.

2,409,107
PROCESSING OF CERTAIN NONGELATIN EMULSIONS
John I. Crabtree and George T. Eaton, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 16, 1942, Serial No. 462,233
4 Claims. (Cl. 95—88)

1. The method of treating an exposed photographic element which comprises immersing the element including a layer of a polyvinyl resin which contains a silver salt and which is not readily permeable to processing baths, in a processing bath which contains an inorganic thiocyanate and ethanolamine.

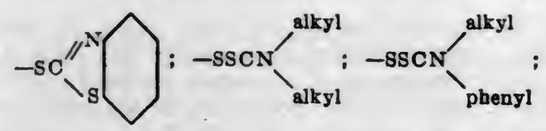
2,409,108
PROCESS OF FORMING GLASS PRISMS
Joseph P. Crowley, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 2, 1942, Serial No. 464,174
3 Claims. (Cl. 51—283)



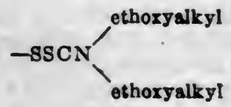
2. In apparatus for the processing of solid glass prism blanks having a hypothenuse face and two side faces extending at angles with respect thereto, a recessed table for supporting said blanks during grinding and polishing, said recess having an accurately machined inclined wall for receiving the hypothenuse face of the prism blank and an accurately machined substantially vertical wall, and spacing means adapted to be inserted between the substantially vertical wall of the recess and a side wall of said prism blank to properly position the said blank within said recess with the side face thereof to be ground and polished above the top of the supporting table.

2,409,109
DIARYL GUANIDINE ADDITION PRODUCTS
Arnold Rogers Davis, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 7, 1944, Serial No. 548,497
5 Claims. (Cl. 260—306.6)

1. A reaction product of one to two mols of a diaryl-guanidine and one mol of a zinc salt having the formula $Zn(X)_2$ in which X represents a member of the group consisting of the

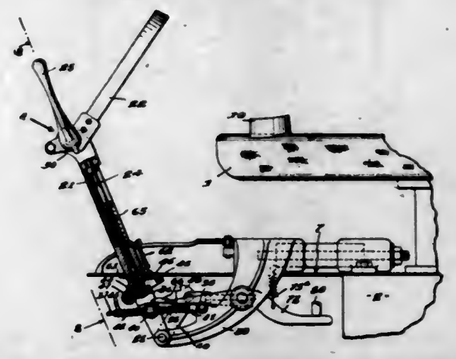


and



radicals.

2,409,110
NECK BAND CLAMP MECHANISM
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application January 6, 1941, Serial No. 373,257
8 Claims. (Cl. 38—13)



1. In a neck band clamping mechanism for garment presses including a pressing element provided with a neck band form, said mechanism including a carrier, a neck band clamping member pivoted thereto, the carrier being movable to carry the clamping member into a position over said element, a handle supported by the carrier and operable to swing the clamping member relative to the carrier into a position overreaching and spaced from the form, spring means between the handle and the clamping member operable to yieldingly transmit the movement of the handle to the clamping member, and permit the handle to have an additional movement when the clamping member is in operative position, the clamping member being movable into frictional locking engagement with the form, returning means acting on the carrier tending to return it to starting position and cause the clamping member to move from its overreaching position into frictional coaction with the form upon the additional movement of the handle, returning means tending to move the clamping member in a retrograde direction relative to the carrier, means operable by the additional movement of the handle to apply increased force to the carrier and hold the clamping member in frictionally locked contact with the form, and means operable to release the holding means.

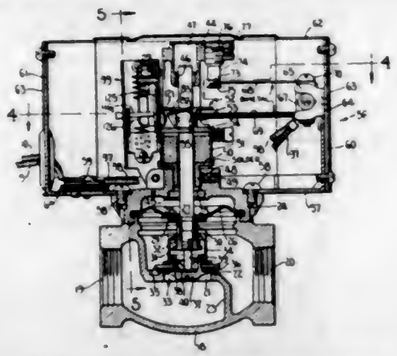
2,409,111
PYROTECHNIC DEVICES
Tenney L. Davis, Norwell, Mass., assignor to National Fireworks, Inc., Hanover, Mass., a corporation of Massachusetts
No Drawing. Application January 21, 1943, Serial No. 473,097
4 Claims. (Cl. 52—23)

1. A pyrotechnic composition designed to produce a colored smoke, comprising a volatile colored organic compound and a cool guanidine explosive.

2,409,112
AUTOMATIC VALVE
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application June 3, 1942, Serial No. 445,571
27 Claims. (Cl. 137—139)

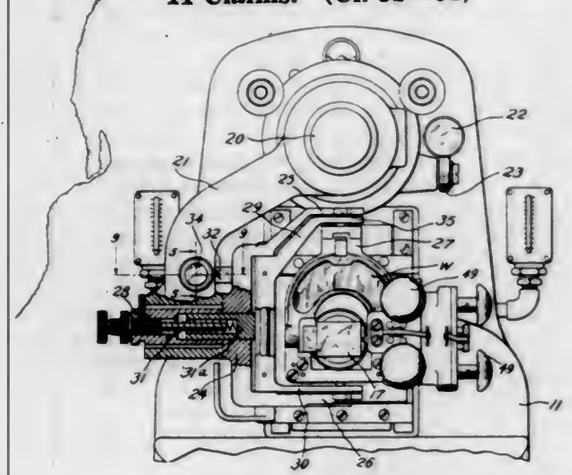
23. An automatically operable valve, comprising a valve member having a stem, an abutment on said stem, automatic means operable to move said valve member toward open position, a piv-

oted arm extending into the path of movement of said abutment and spaced from said abutment in valve member closed position, said arm having a cam portion, an adjustable stop member movable along said cam portion to determine the



spacing of said arm from said abutment in valve member closed position, and means acting on said arm to interrupt opening movement of said valve member, said automatic means being operable to overcome said acting means and continue the opening movement of said valve member.

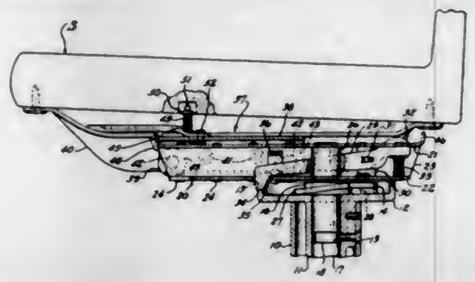
2,409,113
GAUGE LAPPING MACHINE
Alden M. Drake, West Hartford, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application June 27, 1944, Serial No. 542,288
11 Claims. (Cl. 51—64)



4. An operating mechanism for the lapping member of a lapping machine comprising a rotatable spindle having an eccentric at one end, a slide reciprocated thereby in a vertical plane normal to the axis of said spindle, a second slide mounted within said first mentioned slide for free movement in a plane at right angles to the plane of movement of said first slide, and a lapping member having opposite plane parallel lapping surfaces mounted in said second slide for free rotary movement about its longitudinal central axis.

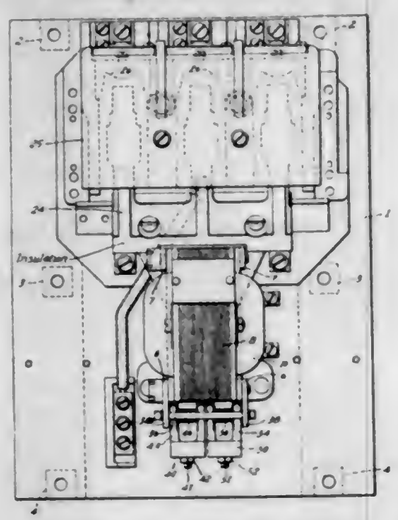
2,409,114
ADJUSTABLE CHAIR SEAT
Tom Elleman, Port Washington, and Roy W. Johnson, Milwaukee, Wis., assignors, by mesne assignments, to The Seng Company, Chicago, Ill., a corporation of Illinois
Application May 18, 1944, Serial No. 536,092
6 Claims. (Cl. 155—95)

1. In a chair seat support, a relatively-fixed bearing, a slide support mounted for rotation with respect to said bearing, a locking lever carried by one of said relatively movable parts and engageable with the other to prevent relative movement therebetween, a seat-carrying slide carried by said slide support and laterally movable with respect thereto, and camming means between said locking lever and said slide to move said locking lever to disengaged position when said slide is in its fully retracted position.



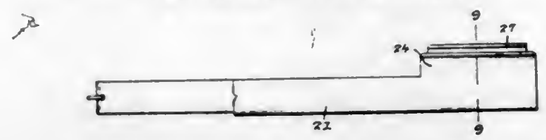
6. In a chair seat support, a slide support comprising a top plate and a lower plate spaced apart by side plates extending therebetween, said side plates being spaced inwardly from the edges of said top and lower plates to form a pair of tracks, a chair seat carrying slide having a top portion and down-turned side flanges, said down-turned side flanges overlapping the edges of the top plate of said slide support, non-metallic rollers carried on the inner surface of each of said down-turned side flanges, said rollers riding in said tracks and being fixedly spaced relative to each other and to said slide top portion.

2,409,115
SHOCKPROOF CONTACTOR
Delbert Ellis and Owen L. Taylor, Wilkinsburg, and Robert T. Basnett, Edgewood, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 8, 1943, Serial No. 513,364
7 Claims. (Cl. 74—527)



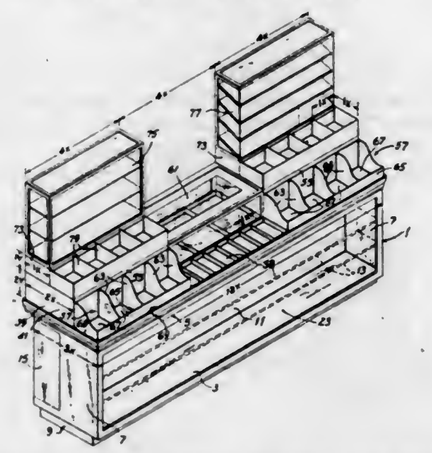
1. An electric apparatus comprising, in combination, a base plate for mounting the apparatus, an operating member mounted on said plate for motion between two positions, a movable latch arranged for locking said member in either of said positions and normally biased for motion in unlocking direction, and a stop member arranged for limiting the unlatching motion of said latch and movably mounted for motion toward and away from said base plate, said stop member having a portion normally resting against said plate so that said stop member is flung toward said latch in order to move it into latching position when said plate is subjected to high impact shock in the moving direction of said stop member.

2,409,116
SAFETY RAZOR BLADE HOLDER
Alfred Felardo, Bronx, N. Y.
Application January 10, 1944, Serial No. 517,716
4 Claims. (Cl. 30—334)



1. A holder of the kind described, comprising interfitting slidably related relatively flat members, one of which is bent upon itself longitudinally to have relatively spaced substantially parallel sides between which the other member is slidably received, means for anchoring a razor blade within the innermost member, and laterally extending opposed jaws formed on the outermost member for engaging and supporting the razor blade when anchored.

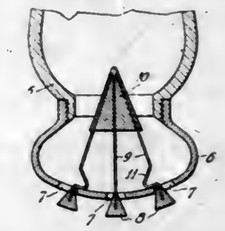
2,409,117
STORE FIXTURE
George G. Fero, Newton Upper Falls, Mass., assignor to United-Rexall Drug Company, a corporation of Delaware
Application May 2, 1945, Serial No. 591,462
7 Claims. (Cl. 312—107)



1. A counter comprising a unit having a bottom, closed ends and a top, a longitudinal divider in the counter, removable end panels within said ends flush with the backs of the counter and covering openings in the ends to which a cooperating pair of doors may be applied to form common unobstructed entry means into the space between two dividers when two counters are used back to back.

2,409,118
CONDIMENT HOLDER
Glen D. Fleak, Beaumont, Tex.
Application September 24, 1943, Serial No. 503,617
2 Claims. (Cl. 65—57)

1. An article of the class described, comprising a container having a plurality of small spaced dispensing openings in a wall thereof, a tapering plug extending into each opening from the exterior and movable into said opening far enough to completely close it, and resilient rods secured to said plugs and extending from the smaller ends thereof, the several rods converging as they extend into the container and being connected to each other at a distance from the plugs,



the rods having offsets therein adjacent their connection to the plugs to provide stops limiting the outward movement of the plugs to maintain the inner ends of said plugs in said openings at the limit of their outward movement.

2,409,119
METHOD OF ELECTROPLATING NICKEL AND COBALT, BATHS AND AGENTS THEREFOR
Meyer L. Freed, Ansonia, Conn., assignor to The Seymour Manufacturing Co., Seymour, Conn.
No Drawing. Application April 28, 1939, Serial No. 270,513
34 Claims. (Cl. 204—49)

1. An aqueous, acid electroplating bath which comprises in the aqueous medium a metal-ion yielding material consisting essentially of a mixture of the sulfate and of the chloride of one of the metals selected from the group consisting of nickel and cobalt, together with an amount of a sulfonated aryl aldehyde sufficient to permit a brilliant cathodic deposit of the metal to be obtained upon the passage of an electric current from an anode comprising said metal through the bath to a cathode, under the operating conditions.

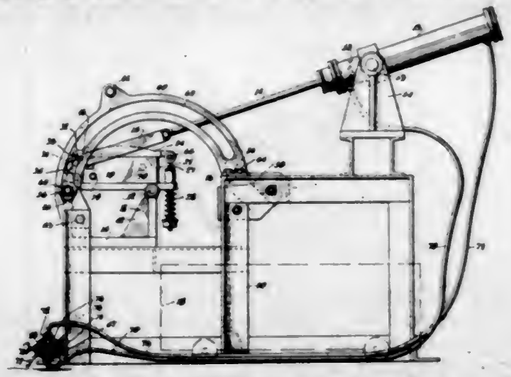
2,409,120
PRODUCTION OF BRIGHT METALLIC DEPOSITS
Meyer L. Freed, Ansonia, and Oscar A. Stocker, New Haven, Conn., assignors to The Seymour Manufacturing Co., Seymour, Conn.
No Drawing. Application April 15, 1940, Serial No. 329,724
27 Claims. (Cl. 204—49)

1. An aqueous electroplating bath for producing by electrodeposition under acid conditions a brilliant, cathodic deposit of nickel, which bath comprises in addition to nickel ion yielding material selected from nickel sulfate, nickel chloride, and a mixture of nickel sulfate and nickel chloride, a thiourea as the brightening agent and in a concentration less than about one and one-half grams per liter but in a quantity sufficient to permit a brilliant deposit of nickel of unusually satisfactory hiding power to be obtained under the operating conditions.

2,409,121
DUMPING MECHANISM FOR MOLDS
Arthur Fritschle, University City, Mo., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application April 29, 1943, Serial No. 484,968
5 Claims. (Cl. 22—91)

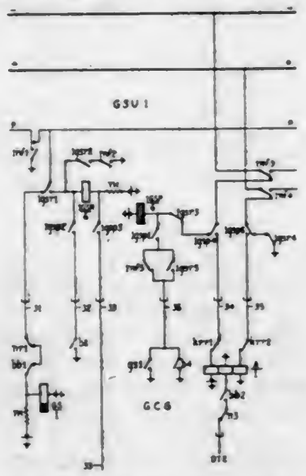
1. In a self-dumping mold, a frame, an open-top ingot mold adapted to rest on said frame in pouring position, hinge means connecting the rear of said mold and said frame, an anvil in back of said mold to engage the mold when it is

swung to dumping position, operating mechanism for moving said mold between pouring and dumping positions, a shaft passing through the



front of said mold, semi-circular slotted roller guides concentric with said dumping hinge, and rollers in said guides disposed on said shaft.

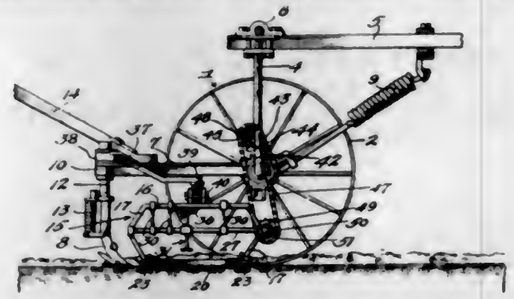
2,409,122
CROSSBAR SELECTOR SWITCHING UNIT
Charles Gillings and Lawrence John Murray, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 4, 1943, Serial No. 512,888
In Great Britain January 8, 1943
8 Claims. (Cl. 179—22)



1. In a switching system, a plurality of groups of lines, a numerical switch, means for operating said switch directively to select any one of said groups, a crossbar switch thereupon operated by said numerical switch to complete connections simultaneously to all of the lines of the selected group, means for testing the lines of the selected group successively over the connections completed to the respective ones of said lines by said crossbar switch, and means operated responsive to said testing means finding a line having a predetermined condition on it for causing said crossbar switch to interrupt all of said connections except the one completed to the line having such condition on it.

2,409,123
COMBINATION CULTIVATOR AND ROW THINNER
Russell L. Harral, Jonesboro, Ark.
Application April 5, 1945, Serial No. 586,692
5 Claims. (Cl. 97—12)

1. The combination with a wheel-supported straddle-row cultivator including a pair of trailing shovel-carrying beams, of a skid frame intermediate said beams for straddling a row being cultivated and adapted to travel over the ground, ground-engaging skids on said frame for supporting the same, a combined row-thinning and hoeing element mounted in said frame to travel over

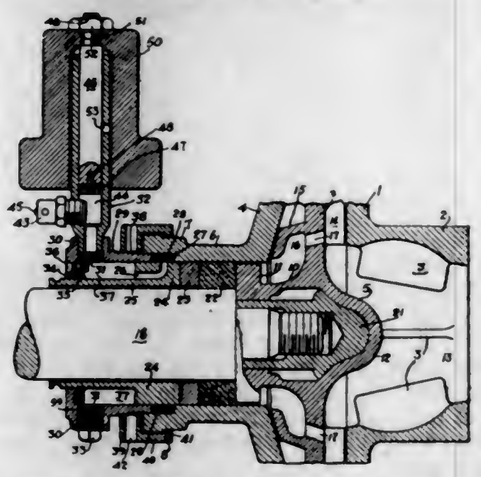


the row and be revolved crosswise of the row, means to revolve said element operative by a wheel of the cultivator, and means to detachably attach said frame to one of said beams to travel in advance of the shovel carried by the beam.

2,409,124
PREPARATION OF ACRYLONITRILE
Ralph V. Heuser, Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application October 19, 1940, Serial No. 361,986
19 Claims. (Cl. 260—464)

1. The process of preparing acrylonitrile which comprises reacting acetylene and hydrocyanic acid in an aqueous solution of a cuprous halide as a catalyst at a temperature within the range of 60° to 110° C.

2,409,125
SHAFT SEAL
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application June 24, 1944, Serial No. 541,860
3 Claims. (Cl. 286—9)



1. A seal for a fluid pressure pump having a casing, a pump shaft and an impeller connected thereto, said impeller being provided with a thrust collar, said seal comprising a sealing ring mounted about the shaft and in abutting relation to the thrust collar, and means for applying a continuous pressure to said sealing ring, said means including a pressure block mounted on said shaft and having a reduced sleeve portion, a gland surrounding said sleeve and providing with said sleeve a pressure chamber for receiving hydraulic fluid, whereby sealing pressure is applied to said sealing ring.

2,409,126
SYNTHETIC NITROGENOUS RESINS AND INTERMEDIATES THEREFOR
William O. Kenyon and Delbert D. Reynolds, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 20, 1943, Serial No. 479,304
2 Claims. (Cl. 260—83)

2. Polymerized N-(α-methacrylyl)-dl-α-aminophenyl acetic acid ethyl ester.

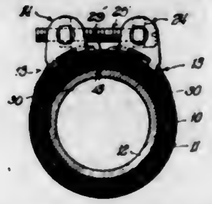
2,409,127
QUINONYLAMINO-N-ALKYLENESULFONIC ACIDS AS PRINTING AIDS
Roy Herman Kienle and Chester Albert Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 1, 1943, Serial No. 493,138
8 Claims. (Cl. 8—70)

1. A color composition comprising a vat dye and a printing assistant having the type formula

$$Q—(NH—Alk—SO_3—X)_n$$

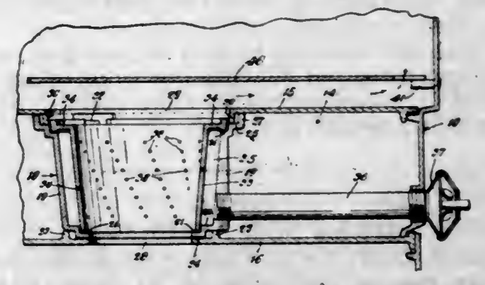
in which Q represents an anthraquinonyl radical, Alk represents a short chain alkylene radical, X represents a radical selected from the group consisting of hydrogen and the monovalent alkali radicals and n represents a small whole number selected from the group consisting of one and two.

2,409,128
BANDING MEANS
Rudolf G. Krasberg, Chicago, Ill.
Application February 25, 1944, Serial No. 523,786
5 Claims. (Cl. 24—19)



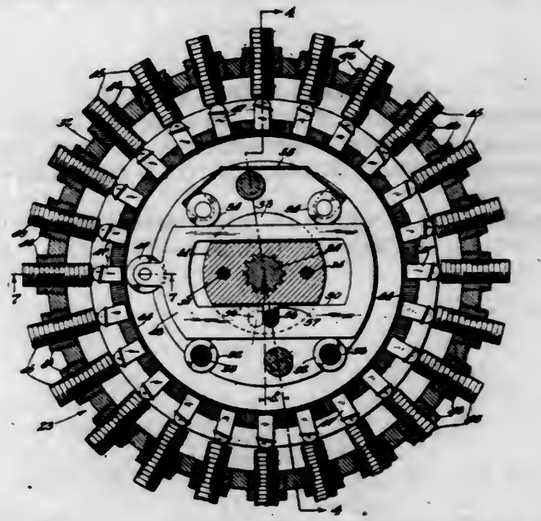
1. A clamp, which comprises a banding element adapted substantially to encompass an object to be clamped thereby with end portions terminating in loops, and U-shaped locking members constituting spaced apart substantially parallel upstanding wall members integrally connected to each other by bridging pieces underlying the wall members and providing an apertured base for each of said locking members, one of said bridging pieces on each locking member having its lower surface lying in a plane below said other bridging piece on its locking member with said banding element in the area of each loop secured between said walls of said locking members and carried by each of said loops, each of said locking members having a cross-head swivelly mounted and connected by a bolt adapted to draw said cross-heads together and to constrict the banding element, said bolt being screw-threaded and one of said cross-heads constituting a nut for said bolt having trunnions journaled in said side walls, each of said locking members overlying an inner portion of its loop and being pressed thereagainst by the remaining overlying portion of the loop to press said inner portion and said locking member into frictional engagement with said object to be clamped.

2,409,129
GAS BURNER
Henry Lange, Quincy, Ill., assignor to The Quincy Stove Manufacturing Company, Quincy, Ill., a corporation of Illinois
Application September 16, 1943, Serial No. 502,583
7 Claims. (Cl. 126—36)



1. In combination with spaced horizontal walls of an oven gas flue provided with vertically aligned openings therein a gas burner positioned between said horizontal walls, said burner comprising an outer tubular member extending between said walls and provided with means at the upper and lower ends thereof providing gas-tight seals with said walls at the margins of said openings, an inner tubular member positioned within said outer member, said inner member defining therein a central combustion chamber substantially equal in length to the distance between said walls and being open at the upper and lower ends for permitting flow of air upwardly through the chamber, said tubular members having upper and lower contacting portions providing gas seals therebetween and being spaced apart intermediate said contacting portions to provide an annular gas distributing passage therebetween, and a plurality of gas ports in said inner member for jetting gas from said passage into the stream of air in said chamber for combustion therein.

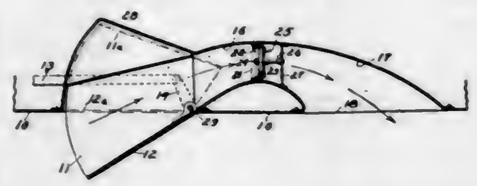
2,409,130
RADIO AZIMUTH COMPENSATOR
William P. Lear, Piqua, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application October 31, 1942, Serial No. 464,016
15 Claims. (Cl. 250—11)



1. In a bearing compensator, a rotatable shaft, a corrector arm in engagement with said shaft whereby said arm and shaft are rotated together, said arm being movable radially in a plane including said shaft, a flexible member in engagement with said arm to position said arm radially relative to said shaft, a plurality of displaceable

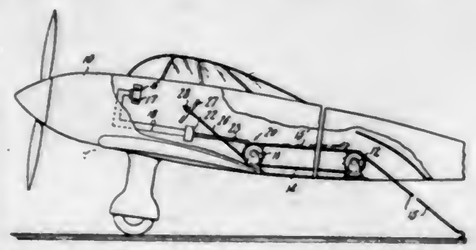
units individually gripping said flexible member at spaced intervals for establishing a predetermined compensator cam surface, an output disk engaged with said corrector arm for transmitting compensated angular positions by said output disk in correspondence with the shaft positions, a first annular dial attached to said shaft for indicating the shaft orientation, and a second annular dial arranged concentrically about said front dial and secured to said output disk, whereby the compensated bearing positions of said output disk are indicated by said second dial for each reading of said first dial.

2,409,131
SIREN FOR AIRCRAFT
William P. Lear, North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Original application February 21, 1942, Serial No. 431,814. Divided and this application August 24, 1943, Serial No. 499,755
4 Claims. (Cl. 244—1)



1. The combination with an aircraft of sirens fixedly mounted within the fuselage of the aircraft; an air duct surrounding each of said sirens and extending on either end to air intake and air outlet openings in the fuselage, each of said ducts converging from each end toward its center; said sirens being supported at substantially the narrowest cross-sectional region in said ducts; air scooping means attached to said fuselage at said intake openings; said air scoop means each having a fuselage section secured thereto and conforming with the surface contour of the fuselage when said scoop means is retracted; and said ducts being formed with receptacle portions receiving said scoop means in the retracted position.

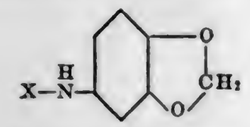
2,409,132
REELING MECHANISM
William P. Lear, North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application October 19, 1943, Serial No. 506,796
9 Claims. (Cl. 244—110)



9. In combination, an aircraft having a fuselage; a landing hook adapted to be extended from and retracted into said fuselage; a first sprocket located adjacent the mid-section of said fuselage; a second sprocket located adjacent the rear section of said fuselage; an endless chain engaging said sprockets; an electric motor; reduction gearing connected to said one sprocket; planetary gearing, said planetary gearing including an element coupled to said reduction gearing, a movable mounting plate and an element adapted to be coupled to said electric motor; means effective upon energization of said electric motor to connect said motor to said last named element; a pair of switches interposed in the circuit of said electric motor; an actuating member disposed in operative relation with said switches, said actuating member being operable by said mounting plate to selectively open said switches to deenergize said electric motor when the torque of said motor exceeds a preselected value; means normally restraining movement of said mounting plate and said actuating member; a reel; a bracket supporting said reel; a cable secured to said reel to rotate the same in one direction; a grip secured to said cable; means urging said reel to rotate in the opposite direction to rewind said cable thereon; a ratchet secured to said first sprocket; a pawl mounted on said reel adjacent said ratchet; means urging said pawl into engagement with said ratchet to interconnect said reel and said one sprocket; and a cam secured to said bracket and adapted to engage said pawl to disengage the same from said ratchet.

2,409,133
N-SUBSTITUTED DERIVATIVES OF 5-AMINO-1,3-BENZODIOXOLES
Hans Z. Lecher, Plainfield, and John P. Goulding, Neshanic Station, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 10, 1943, Serial No. 513,735
3 Claims. (Cl. 260—338)

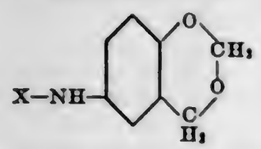
1. Chemical compounds selected from the group consisting of derivatives of 5-amino-1,3-benzodioxole represented by the formula



in which X represents a mononuclear para-amino-phenyl radical and the salts of said compounds.

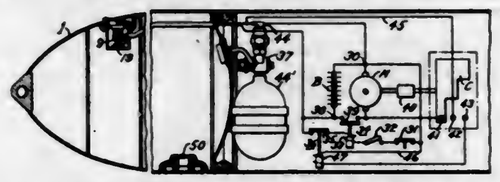
2,409,134
DERIVATIVES OF 6-AMINO-1,3-BENZODIOXAN
Hans Z. Lecher, Plainfield, John P. Goulding, Neshanic Station, and Robert P. Parker, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 10, 1943, Serial No. 513,733
5 Claims. (Cl. 260—338)

1. Chemical compounds selected from the group consisting of compounds represented by the formula



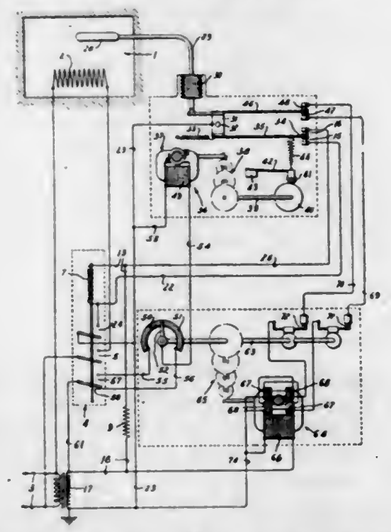
in which X represents a mononuclear para-aminophenyl radical, and the salts of said compounds.

2,409,135
BUOYANCY CONTROL SYSTEM
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 5, 1944, Serial No. 548,279
10 Claims. (Cl. 114—20)



1. For the control of the exercise head of a torpedo which is filled with a ballast liquid, as water, to balance the torpedo and to give it a predetermined negative buoyancy and which exercise head is associated with a source of gas under relatively high pressure for expelling the ballast liquid from the torpedo exercise head, in combination, a source of electric energy, electrically actuated buoyancy control means for connecting, the gas pressure of the source of relatively high pressure, to the interior of the exercise head to cause the expulsion of the ballast liquid from the exercise head, electrically actuated timing means set in operation by the firing of the torpedo for causing the operation of the buoyancy control means a predetermined time after firing of the torpedo, switching means for causing the operation of said buoyancy control means independent of the timing means, and means responsive to both the pressure of the water outside of the torpedo and the speed of the torpedo with reference to the water outside of the torpedo for causing the operation of said switching means.

2,409,136
CONDITION CONTROL
Edgar D. Lilja, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application September 22, 1941, Serial No. 411,893
6 Claims. (Cl. 236—46)

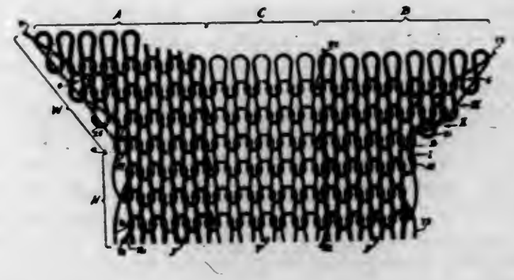


1. The combination of a condition-responsive instrument having a variably adjustable control point, mechanism including an electric timing motor operating continuously to raise and lower said control point alternately through a fixed range, voltage regulating means governing the speed of operation of said motor during the raising and lowering periods, a reversible motor operable to actuate said voltage regulating means and decrease or increase the voltage applied to said timing motor according to the direction of operation of the reversible motor, and means responsive to deviations of said condition from a predetermined desired value to determine the direction and extent of operation of said reversible motor.

2,409,137
PROCESS OF SEPARATING TALL OIL INTO FRACTIONS BY TREATMENT WITH LEVULINIC ACID ESTER
Kermit D. Longley, Philadelphia, Pa., assignor to Quaker Chemical Products Corp., Conshohocken, Pa., a corporation of Pennsylvania
No Drawing. Application December 26, 1944, Serial No. 569,907
2 Claims. (Cl. 260—97.5)

1. The process of separating tall oil into useful fractions which comprises mixing tall oil with a liquid ester of levulinic acid to form an apparently homogeneous solution, allowing the solution to stand at approximately normal room temperature until a waxy solid precipitates, separating the precipitate from the supernatant and cooling the supernatant to substantially below room temperature whereby a fraction consisting largely of fatty acids precipitates.

2,409,138
HOSIERY
Sterling C. Mack, Bangor, Pa., assignor to Julius Kayser & Co., Brooklyn, N. Y.
Application July 9, 1942, Serial No. 450,330
18 Claims. (Cl. 66—187)

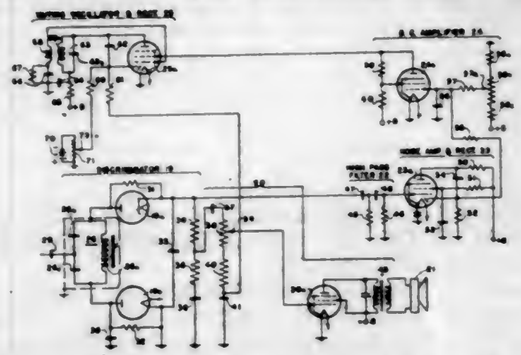


1. A flat knitted fabric comprising series of courses, the courses in each series being knitted from separate but identical yarns, certain of said courses having a pair of needle loops and an intermediate sinker loop added thereonto, the portions of the several yarns incorporated in the courses of one series and floating from the selvage thereof passing through such a sinker loop added onto courses of subsequent series.

2,409,139
RADIO RECEIVING SYSTEM
Henry Magnuski, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application July 3, 1943, Serial No. 493,322
16 Claims. (Cl. 250—20)

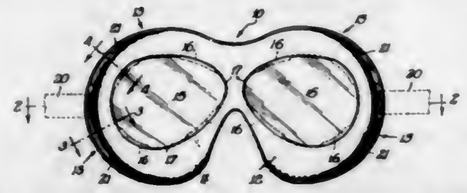
1. In a wave signal receiving system which includes a signal responsive device, means responsive solely to undesired noise signals appearing in said system in the absence of a received desired signal for developing a control voltage, means responsive to a received desired signal in the presence of noise signals for changing said voltage, an oscillator, means responsive to said voltage

for controlling an electrical characteristic of the output of said oscillator, and means controlled by



said oscillator output for determining the responsiveness of said device.

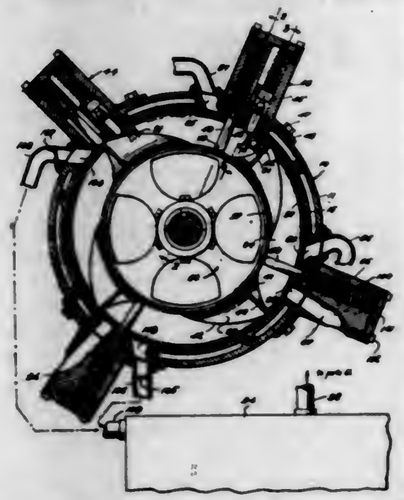
2,409,140
INDUSTRIAL EYESHIELD
Robert L. Malcom, Chicago, Ill., assignor to Chicago Eye Shield Company, Chicago, Ill., a corporation of Illinois
Application April 29, 1944, Serial No. 533,305
3 Claims. (Cl. 2—14)



1. An industrial eye shield, which comprises a resilient plastic frame, said frame having a frontal section with lens-receiving openings therein, said frontal section, around each lens-receiving opening, having a plurality of spaced apart inner ledges extending generally toward each other on the inside of the frame and adapted to support a lens in each opening along marginal portions of an inner surface of each lens, said frontal section, around each lens-receiving opening, also having a plurality of spaced apart outer projections extending generally toward each other on the outside of the frame, said outer projections overlying the spaces between said inner ledges and adapted to maintain the lens in locked position in each opening and in abutting relation against said inner ledges by pressing against marginal portions of the opposite surface of each lens after an edge of a lens is inserted in each opening between said ledges and said projections and the frame is flexed so that the lens can be sprung into the opening and positioned therein.

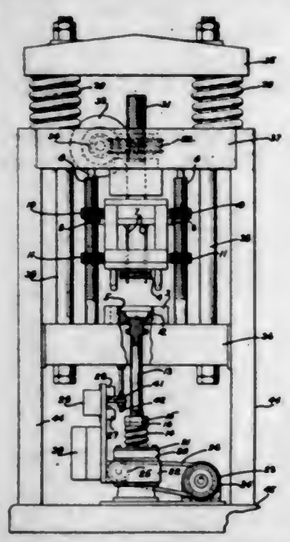
2,409,141
ROTARY INTERNAL-COMBUSTION ENGINE
Louis Margolis, Washington, D. C., assignor of five per cent to Eugene Berger, Washington, D. C.
Application August 30, 1944, Serial No. 551,877
1 Claim. (Cl. 123—14)

A rotary internal combustion engine comprising a substantially toroidal cylinder, a rotor including a plurality of circumferentially spaced apart pistons movable in said cylinder, a housing extending radially from and secured to said cylinder, an abutment slidably carried by said housing and normally biased to a position across said cylinder, each piston including a cam-shaped leading portion engageable with said abutment for moving the latter outwardly into said housing, a fuel intake valve carried by said housing, and means connected to said valve and projecting into said cylinder in a position for engagement with said cam-shaped leading portion for moving said valve to open position, said latter means including a bell crank pivotally carried



by said housing and having an elongated slot in one arm thereof, a pin carried by said valve loosely engaging in said slot, a second pin slidable through said cylinder, and means rockably connecting said second pin to the other arm of said bell crank.

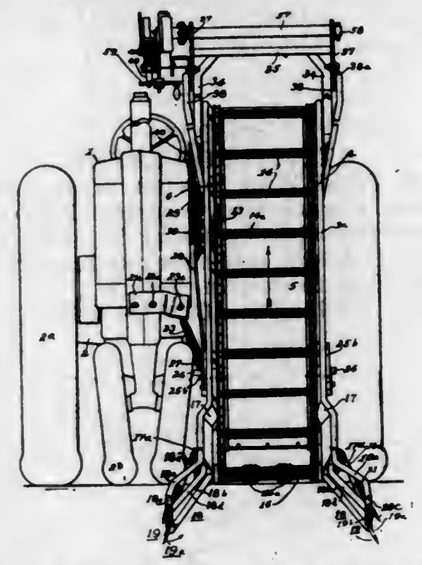
2,409,142
MOLDING APPARATUS
Clarence E. McCoy, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1942, Serial No. 430,391
5 Claims. (Cl. 18—16)



1. An apparatus for compression molding a threaded article including a sectional mold, a rotatable, threaded mold core, means for clamping the sections of said mold together to close said mold, means for moving said mold, a motor for rotating said core, a current supply for said motor, a magnetic switch for controlling the energization of said motor, a double pole relay associated with said magnetic switch for controlling the energization of said magnetic switch, a normally closed single contact switch connected to said current supply, said switch being operable to deenergize said relay a double contact switch normally biased to complete a circuit from said single contact switch to said magnetic switch

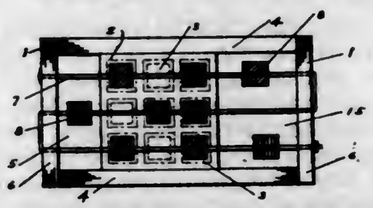
but movable to open said circuit and to energize said relay, a holding circuit completed by the energizing of said relay when said single contact switch is closed for holding said relay closed as said double contact switch returns to its normal biased position, a second circuit prepared by the energizing of said relay, said second circuit connecting the magnetic switch to the double contact switch, and means operable in response to the movement of said mold for alternately actuating said single contact switch and said double contact switch.

2,409,143
LOADER
Eric M. McElhinney and James A. Podhajsky, Tama County, Iowa
Application May 14, 1942, Serial No. 442,902
19 Claims. (Cl. 198—13)



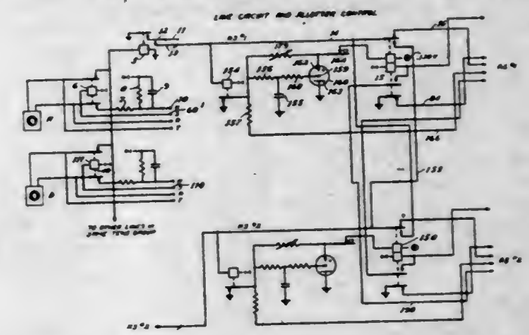
1. In combination with a wheeled structure having a pair of traction wheels mounted on an axle support, a conveyer comprising a basal body inclined downwardly toward its forward end and having its rear portion carried by and adjustably mounted above said axle support and its forward portion adjustably mounted for up and down movement on said wheeled structure forwardly of said axle support, an endless conveyer mounted on said basal body and having its upper course traveling rearwardly and upwardly, the forward end of said basal body being provided with forwardly extending and laterally inclined gathering arms having gathering fingers rockable inwardly toward each other against a normal bias, and driving means for connecting said endless conveyer to a power source.

2,409,144
GAME
Gillis A. Mills, Pikesville, Md.
Application December 1, 1944, Serial No. 566,095
2 Claims. (Cl. 273—130)



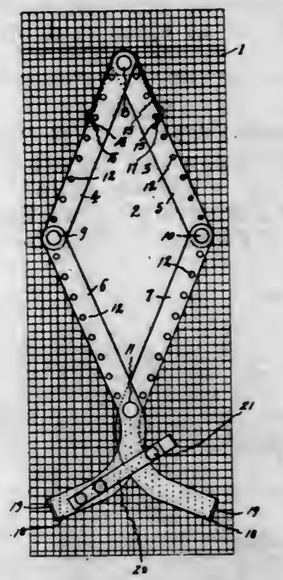
2. A game device of the class described comprising a support, a playing board mounted in said support to create open spaces at each end, playing cubes for movement over the face of said board, and means for supporting the playing cubes on the face of said playing board.

2,409,145
CONTROL AND TRIGGER CIRCUIT FOR TELEPHONE SYSTEMS AND THE LIKE
Frank A. Morris, Rochester, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application September 26, 1944, Serial No. 555,850
20 Claims. (Cl. 179—175.2)



1. The method of initiating electrical conduction through an arc discharge device having an anode, a cathode and a starter electrode, said cathode and said anode being connected in series with a source of unidirectional electrical energy, which method comprises accumulating an electrostatic charge from a relative low voltage source, discharging said charge, utilizing said discharge to develop a voltage of a higher order, applying said higher voltage to the starter electrode to cause a discharge in said device.

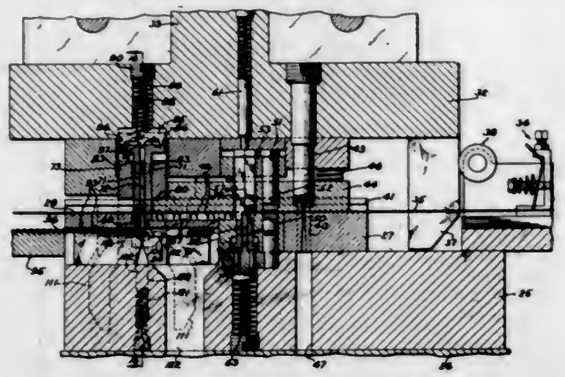
2,409,146
SHUTTER FOR FISHING NETS
John Motel, Cleveland, Ohio
Application July 11, 1945, Serial No. 604,435
1 Claim. (Cl. 43—7)



In or for a fishing-net, a shutter apparatus comprising the combination of a plurality of articulated links normally held in closed position, manually operated means having a normally inactive position connected to and movable with one of the aforesaid articulated links and adapted to release the links, when manually manipulated,

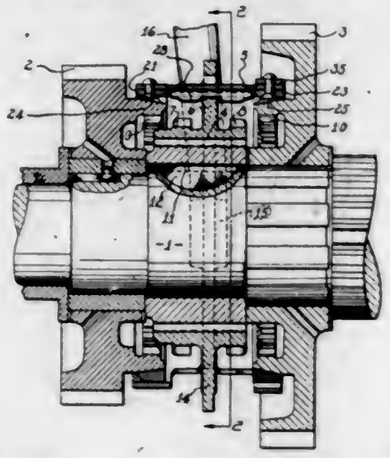
to produce an opening in the fishing-net, and means cooperating with the links to hold the links in closed position when the manually operated inactive means is returned to its initial position.

2,409,147
APPARATUS FOR FORMING AND ASSEMBLING ARTICLES
Elmer C. Neuhaus, Chicago, and Charles W. Verrill, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 20, 1943, Serial No. 495,472
5 Claims. (Cl. 153—1)



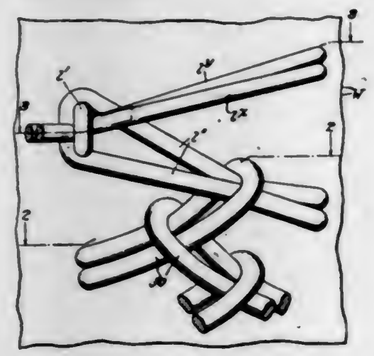
1. In an assembling apparatus, a fixed cutting die, a movable cutting member cooperating with said cutting die for severing a blank from a strip of material, a pair of transfer jaws yieldably carried by said cutting member and projecting in advance of said cutting member and normally movable therewith for receiving said severed blank and transferring said severed blank to a predetermined position, resilient means for maintaining said transfer jaws in said normal advanced relation to said cutting member, means for actuating said cutting member to sever said blank from said strip and carry said blank to said predetermined position, and means for arresting the movement of the transfer jaws adjacent said predetermined position to cause a relative movement between said jaws and said cutting member to eject said blank.

2,409,148
SYNCHRONIZING CLUTCH CONSTRUCTION
Carl D. Peterson and Robert R. Burkhalter, Toledo, Ohio
Application January 20, 1945, Serial No. 573,731
6 Claims. (Cl. 192—53)



1. In a synchronizing clutch of the type shiftable in opposite directions from neutral to connect together driving and driven elements through different speed ratios, including two members, one being a toothed member rotatable with and shiftable axially of one of said elements into and out of clutching engagement and having an annular peripheral flange, the flange being formed with arcuate slots extending through the opposite faces thereof, and a friction member including a sleeve having lengthwise slots extending through the arcuate slots of the flange, the portions between the lengthwise slots being formed to coact at their side edges with the end walls of the arcuate slots to block relative shifting movement except when the speeds of the driving and driven elements approach synchronization, internal bands at opposite ends of the sleeve, and a bow spring extending lengthwise of each of said portions and having its apex portion provided with spaced apart bosses providing a depression arranged astride the inner wall of the arcuate slot, with the bosses on opposite sides of the flange in an axial direction, the spring thrusting at its ends against the bands.

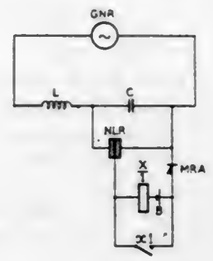
2,409,149
STITCH FORMATION
Joseph H. Pikul, West Newton, Mass., assignor to The Reece Corporation, a corporation of Maine
Original application February 21, 1944, Serial No. 523,173. Divided and this application September 11, 1944, Serial No. 553,527
4 Claims. (Cl. 112—262)



1. A tying stitch for chain sewing in which the last-formed loop of the thread extends through the work and between the legs of the next to the last-formed loop, and, after emerging from the work, the free end of the thread passes first over one leg of the next to the last loop and then through the last loop, said last loop being drawn tight and pulling the free end against the next to the last loop and the work.

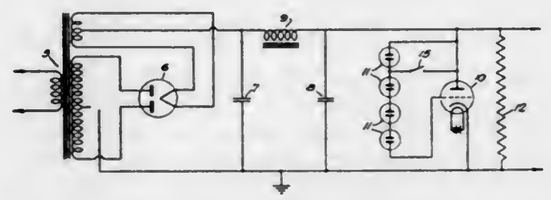
2,409,150
ELECTRICAL CIRCUIT EMPLOYING NON-LINEAR RESISTANCE MATERIAL
Thomas George Rice, Huyton, near Liverpool, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application May 27, 1944, Serial No. 537,566
In Great Britain July 13, 1943
10 Claims. (Cl. 175—320)

1. In combination, a non-inductive non-linear electrical resistance device having a high resistance at low voltages and a low resistance at high voltages, a low voltage circuit connected across at least a portion of said resistance device, a high voltage circuit connected across said resistance device, and means for impressing a high voltage from said high voltage circuit across said resistance device, to cause a substantially increased



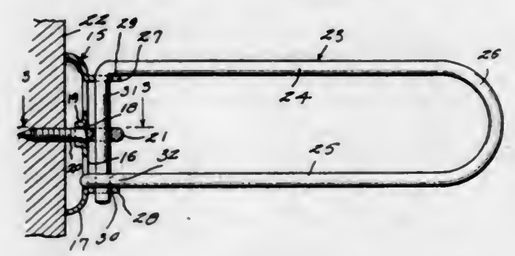
current flow in said low voltage circuit and said resistance device.

2,409,151
ELECTRICAL REGULATING DEVICE
Donald H. Rogers, Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 2, 1943, Serial No. 474,477
6 Claims. (Cl. 171—312)



1. A voltage regulating device comprising a current supply circuit having impedance, a triode tube connected across said supply, and a neon tube connected between the grid and the plate of said tube.

2,409,152
SWINGING BRACKET
Raymond R. Rundell, Miami, Fla.
Application June 13, 1944, Serial No. 540,079
4 Claims. (Cl. 248—289)



1. A swinging bracket comprising a base formed with an opening, a pair of ears extending from said base, an article supporting bracket including a pair of parallel arms, an integral connecting member connecting the outer ends of said arms together, a stub shaft integral with the inner end of one of said arms and pivotally engaging through one of said ears, a second stub shaft integral with the inner end of the other of said arms and pivotally engaging through the other of said ears and aligning with said first stub shaft, a sleeve telescoping said shafts between said ears, means fixedly securing said sleeve to at least one stub shaft, and an eye screw having the shank thereof extended through said opening and the eye thereof engaging about said sleeve.

2,409,153
PROCESSING APPARATUS
Harold D. Russell and John I. Crabtree, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 30, 1943, Serial No. 512,348
8 Claims. (Cl. 95—94)



1. A fluid treating compartment for a machine for processing strip material comprising bottom, side and end walls, one of said end walls constituting a first end wall and the other of the end walls constituting a second end wall, a pair of resilient rollers, one mounted adjacent the first end wall and the other mounted adjacent the second end wall, both of said rollers pressing toward the bottom wall, power means for turning the roller adjacent the first end wall in a counter-clockwise direction and for turning the roller adjacent the second end wall in a clockwise direction, a sponge means movably mounted between the rollers and driven by said power means for turning the rollers for carrying a quantity of fluid into contact with a strip of film stretched between the rollers, said fluid being confined to the film between the rollers by the pressure of the resilient rollers against said film and towards the bottom of the treating compartment.

2,409,154
FISHING REEL
John V. Schafer, Bronson, Mich.
Application August 6, 1943, Serial No. 497,570
7 Claims. (Cl. 242—84.5)

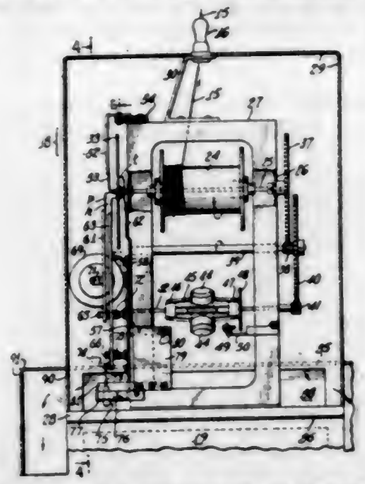


2. A reel comprising, a frame including an end member, a spool rotatably mounted in said frame, a drive shaft journalled in said end member, a gear member carried by said shaft, a recess provided in one of said members, an element having a relatively large braking surface disposed in said recess between said members, and means bearing on the shaft for urging the gear in a direction to cause the element to effect a braking action upon the gear.

2,409,155
RADIO TRANSMISSION APPARATUS
Eugene L. Schellens, Essex, and Norman E. Gibbs, Old Lyme, Conn., assignors to The R. W. Cramer Company, Incorporated, Centerbrook, Conn., a corporation of Connecticut
Application September 4, 1942, Serial No. 457,268
6 Claims. (Cl. 177—380)

1. In a balloon-elevated radiometeorograph, in combination, a suspension cord below the balloon, a telemeter, a suspended housing closed at top and sides and enclosing the telemeter, and for driving the telemeter a gravity motor comprising a drum from which said cord unwinds by the relative descent of the telemeter, and a radio-signal transmitter operated by the telemeter; the suspended housing enclosing the telemeter having at the top wall thereof an exit guide for the

relatively ascending drive cord, comprising a rubbery nipple member through which the cord slides



and which excludes entrance of water from the cord into the telemeter.

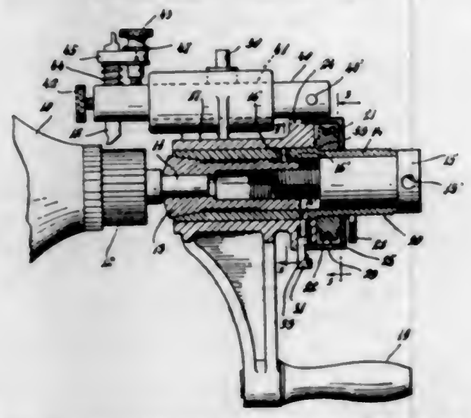
2,409,156
FUEL COMPOSITION
Walter A. Schulze and Richard C. Alden, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application March 28, 1942, Serial No. 436,714
4 Claims. (Cl. 44—80)

1. An improved method of operating an aviation gasoline engine requiring a fuel having an octane number of at least about 100, which consists of supplying to said engine as the fuel during an operating period a gasoline comprising essentially a mixture of isoparaffin hydrocarbons having five, six, seven, eight and nine carbon atoms per molecule and about 10 per cent by volume of isopropyl benzene and at least about 3 ml. of tetraethyl lead fluid per gallon, said hydrocarbons being so proportioned that said mixture has gasoline characteristics of distillation range and contains isopentane in an amount not more than is sufficient to result in a Reid vapor pressure not greater than seven pounds, and maintaining during said operating period for said aviation engine rich-mixture operating conditions such that the fuel-air ratio is at least about .09.

2,409,157
FUEL COMPOSITION
Walter A. Schulze and Richard C. Alden, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application March 28, 1942, Serial No. 436,715
7 Claims. (Cl. 44—80)

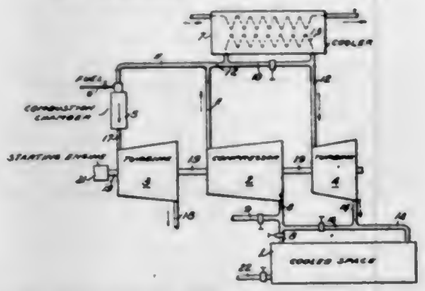
1. An improved method of operating an aviation gasoline engine requiring a fuel having an octane number of at least about 100, which consists of supplying to said engine as the fuel during an operating period a gasoline comprising essentially a mixture of isoparaffin hydrocarbons having five, six, seven, eight and nine carbon atoms per molecule and between about 2 and about 7% by volume of a mono-butylbenzene other than normal butylbenzene and at least about 3 ml. of tetraethyl lead fluid per gallon, said hydrocarbons being so proportioned that said mixture has gasoline characteristics of distillation range and contains isopentane in an amount not more than is sufficient to result in a Reid vapor pressure not greater than seven pounds, and maintaining during said operating period for said aviation enigine rich-mixture operating conditions such that the fuel-air ratio is at least about .09.

2,409,158
APPARATUS FOR TRIMMING COMMUTATORS
John Simpson, Jr., and James Williams, North Tiverton, R. I.; said Williams assignor to said Simpson, Jr.
Application December 30, 1944, Serial No. 570,570
3 Claims. (Cl. 82—4)



1. A commutator trimmer including a collet and a draw-in screw, a sleeve embracing said collet and screw and having a recess, a cutter carrier rotatable on said sleeve, an interlocking plunger pin mounted in the carrier and adapted to be inserted into said recess in said sleeve for interlocking the carrier to the sleeve, said pin having a notch in one side and a member carried by said cutter carrier and projecting into said notch to limit the movement of said pin.

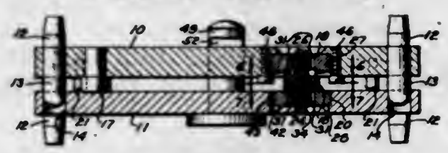
2,409,159
ELASTIC FLUID CONDITIONING APPARATUS
Joseph L. Singleton, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 26, 1944, Serial No. 551,370
14 Claims. (Cl. 257—9)



1. A self operative power unit for cooling and delivering large quantities of air or other combustion supporting elastic fluid into a fluid confining space comprising means for compressing a combustion supporting elastic fluid, a plurality of fluid expanding prime movers drivingly connected with said compressing means, fluid conductors severally connecting the inlets of said prime movers with the discharge of said compressing means, a fuel combusting means forming at least a part of one of said conductors and disposed in upstream relation with respect to the inlet of the prime mover connected thereto, means for cooling the fluid flowing through another one of said conductors prior to its entering the inlet of the prime mover connected thereto, and conduit

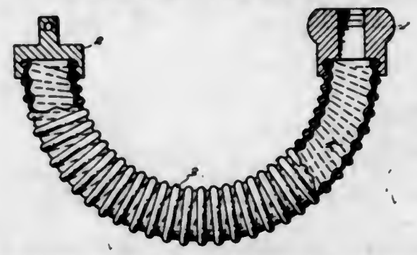
means connecting the exhaust of the prime mover receiving compressed fluid through another one of said conductors with a fluid confining space to be cooled.

2,409,160
WORK SUPPORT
Emil Sirp, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 29, 1944, Serial No. 542,760
6 Claims. (Cl. 77—62)



5. A work support and tool jig comprising a plate having an aperture, a work piece support freely rotatably mounted for limited rotation in said aperture and having a tool guiding aperture, means carried by said plate cooperating with a formation on said support for predeterminedly limiting the rotation of said support, and a member having peripheral formations engageable in alignable slots formed in central apertures in said support and the work piece to maintain said support and work piece in predetermined alignment.

2,409,161
BOURDON TUBE
Jens Sivertsen, Philadelphia, Pa.
Application February 22, 1943, Serial No. 476,744
3 Claims. (Cl. 73—418)



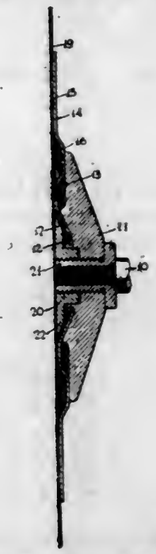
1. A Bourdon tube having a composite wall formed of a tube to seal the internal pressure and an encircling spring, the tube being within the spring and expanded outwardly between adjacent turns of the spring to form elastic bridge portions, whereby radial and axial strains on the Bourdon tube are substantially equalized and maximum tip travel is obtained.

2,409,162
PHOTOGRAPHIC MATERIAL
Cyril J. Staud, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 15, 1942, Serial No. 439,007
1 Claim. (Cl. 95—8)



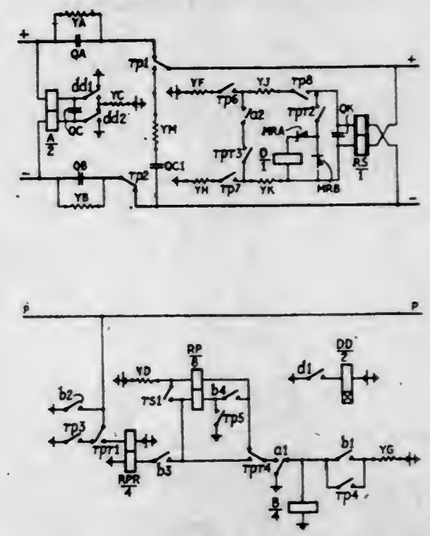
A photographic element comprising a rigid, opaque, non-frangible support, a layer of luminescent material thereon which emits green light when subjected to X-rays and a photographically sensitive layer insensitive to green light over said luminescent layer.

2,409,163
BACKING PAD FOR ABRASIVE DISKS
William Stever, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 15, 1943, Serial No. 502,423
6 Claims. (Cl. 51—197)



1. Flexible disk for supporting abrasive means, said disk consisting of sheet material and comprising a wide substantiallly flat annular marginal portion, an intermediate narrow annular portion forming a beading on one side and an open groove on the other side of the plane of said disk as defined by its said marginal portion and a central portion adapted for attachment to a supporting head, said beading and groove imparting to the disk added flexibility and reducing warping and breakage.

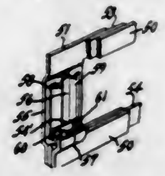
2,409,164
TELEPHONE SYSTEM
Reginald Taylor and George Thomas Baker, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application September 25, 1943, Serial No. 503,750
In Great Britain November 10, 1942
10 Claims. (Cl. 179—18)



1. In a telephone system, two exchanges interconnected by a trunk line, means in one of said exchanges operated to seize said trunk line, means effective upon such seizure to condition said trunk

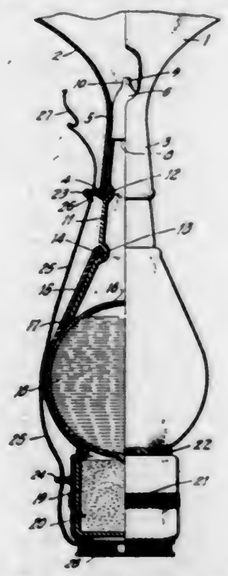
line for the transmission of impulses thereover, means in said one exchange operated to transmit impulses over said trunk line after it has been thus conditioned, means in the other of said exchanges associated with said trunk line for registering said impulses and controlling the extension of a connection in accordance therewith, and means thereafter controlled by said impulse registering means to alter the connections of said trunk line in said one exchange thereby to condition said trunk line for the transmission of speech thereover.

2,409,165
ELECTRON DISCHARGE DEVICE
Harry C. Thompson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 25, 1945, Serial No. 574,472
9 Claims. (Cl. 250—162)



1. An electron discharge device having a cathode means for supplying electrons, and an electrode in the path of said electrons, and beam defining means positioned between said cathode means and said electrode and through which the path of the beam of electrons lies, said beam defining means including a pair of oppositely disposed conducting members spaced apart to provide a passageway therebetween, registering spring-like elements mounted on said conducting members and having ribs extending transversely of the beam path on opposite sides of the beam path, and extending toward each other to provide an aperture therebetween, and means at opposite edges of said spring-like elements for maintaining said ribs in spaced relationship for positively determining the aperture width.

2,409,166
SIGNAL DEVICE
John M. Tracy and Harold G. Veeder, Loudonville, N. Y.
Application January 17, 1944, Serial No. 518,672
4 Claims. (Cl. 244—33)

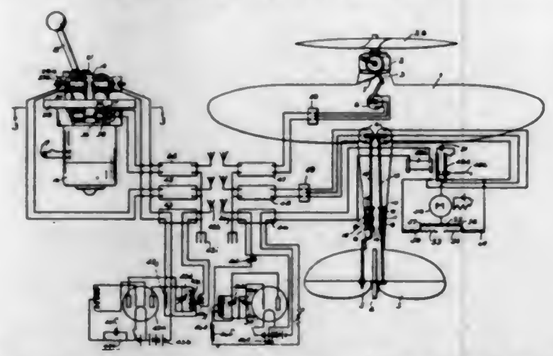


1. In a compact, portable signal device adapted to be carried by hunters for use in indicating their location when lost, the combination with a balloon bag formed of thin elastic material and having a restricted throat portion, of a hydrogen generator separate from said bag and comprising a gas-impervious casing of elastic material enclosing and closely engaging a hermetically sealed container having an acid therein, whereby said container may be broken by a blow on the outside of said casing, a metal in said casing adapted to react with said acid to generate hydrogen when said acid container is broken, and passage forming means providing communication between said generator and said balloon bag and frictionally engaged by the restricted throat portion of said bag for detachably connecting said balloon bag to said generator; whereby said bag, when inflated may be detached from said generator.

2,409,167
MOTOR FUELS
Preston L. Veltman, Port Arthur, Tex., assignor to Texaco Development Corporation, Jersey City, N. J., a corporation of Delaware
No Drawing. Application July 17, 1942, Serial No. 451,324
14 Claims. (Cl. 44—68)

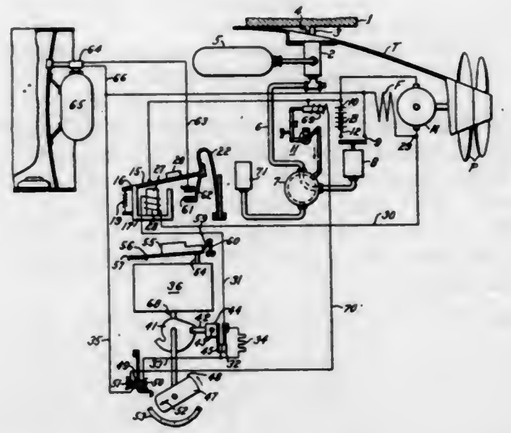
1. A motor fuel comprising a hydrocarbon base fuel having dissolved therein a minor amount of an organo-metallic anti-knock agent comprising essentially a product obtained by heating together under pressure an unsaturated hydrocarbon and a carbonyl of a metal of atomic number 26 to 28.

2,409,168
DISTANT CONTROL
Nevilles E. Walker, Portland, Oreg.
Application October 15, 1941, Serial No. 415,109
10 Claims. (Cl. 172—282)



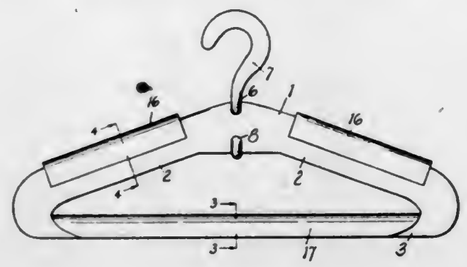
9. In combination with a mobile object a control including a reversible electric motor having reversible power circuits characterized by having a relay circuit receptive to and energized by interrupted electric impulses, thereby to make said control independent of the amplitude of said impulses, remote actuating apparatus including a motor driven make-and-break having an adjustable device for varying the duration and spacing of the electric impulses thereby to vary correspondingly the operation of said control, a clutch mechanism in said control adapted to be disengaged automatically when it is actuated past a fixed point and means for returning it to a neutral position, and inversely balanced resistance elements in electrical series with the power circuits leading to said motor, said resistance elements having movable contacts electrically connected therewith and physically joined to a rotatable member actuated by said motor and being operatively arranged to maintain said motor at any angular position to which it has been rotated.

2,409,169
CONTROL SYSTEM FOR EXHAUSTING BALLAST FROM TORPEDOES
Charles C. Whittaker, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 9, 1945, Serial No. 592,803
8 Claims. (Cl. 114—20)



1. In an electro-mechanical control system for controlling the buoyancy of an underwater craft normally having a negative buoyancy, in combination, a chamber containing a ballast liquid, a flask containing gas under pressure mounted on the craft for connection to the chamber containing the ballast liquid, means for establishing fluid communication between the chamber and flask, a pair of electric terminals normally energized at a substantially constant potential, means responsive to predetermined drop of said potential for operating said means for establishing fluid communication between the chamber and the flask to thus admit gas from the flask into the chamber containing the ballast liquid.

2,409,170
METHOD OF MAKING GARMENT HANGERS
Leonard A. Young, Detroit, Mich.
Application August 28, 1943, Serial No. 500,341
4 Claims. (Cl. 223—87)

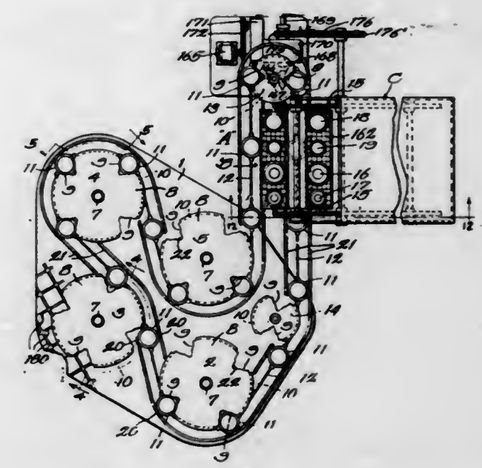


1. The method of making garment hangers comprising the steps of applying adhesive to at least one of the surfaces of a plurality of plies of paper stock, superimposing the plies with the adhesive therebetween, stamping from such multi-ply material prior to the setting of the adhesive a blank comprising an integral yoke portion having downwardly diverging arm portions and a strut portion integrally connected with the lower ends of the arm portions, the upper edges of the arm portions having flap-like portions of substantial length extending therefrom, the upper edge of the strut portion having a flap-like portion extending therefrom, and conforming and folding the said flap portions of said arms and strut to provide relatively wide curved garment supporting edges and portions extending downwardly against the sides of the arms and strut from which they project prior to the setting of said adhesive between said plies to facilitate the conforming and folding of said flap portions, and retaining said flap portions as thus conformed and folded until said adhesive sets to facilitate permanent retention of the flap portions in the conformed and folded position, the central portion of the yoke being of substantially greater width than the arms of the yoke, and affixing a hook to said widened central portion.

2,409,171
MOTOR FUELS
Paul L. De Verter, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 3, 1943, Serial No. 512,781
7 Claims. (Cl. 44—69)

1. A motor fuel comprising a hydrocarbon mixture normally stable against gum formation and composed predominately of saturated aliphatic hydrocarbons and containing a small amount of a lead alkyl anti-knock agent which in the presence of said hydrocarbons tends during storage to form lead-containing precipitates and a hydroxy aromatic hydrocarbon of the class consisting of hydroquinone and quinhydrone in an amount sufficient to inhibit the formation of a lead-containing precipitate during storage.

2,409,172
APPARATUS FOR THE MANUFACTURE OF POTTERYWARE
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 6, 1941, Serial No. 413,734
35 Claims. (Cl. 25—22)



1. In combination, a feeding means, preforming means and profiling means, carriers therefor and means for moving said carriers and means in orbital paths with uninterrupted forward movement, a pottery mold, a carrier therefor, means for moving said mold carrier and mold in another path with uninterrupted forward movement to bring the mold successively into registration with the feeding means and preforming means and

profiling means, means for causing said feeding, preforming and jiggering means to perform their designated functions whilst in registration with the mold.

2,409,173
PROCESS FOR PREPARING STABLE ROSIN ESTERS
Frederick J. Webb, Passaic, N. J., assignor to Ridbo Laboratories, Inc., Paterson, N. J., a corporation of New Jersey
No Drawing. Application November 11, 1943, Serial No. 509,901
11 Claims. (Cl. 260—104)

1. In the production of a rosin ester of low unsaturation from rosin of high unsaturation, the process for concurrently effecting esterification and reduction of unsaturation, which process consists in heating the rosin to a temperature between about 150° C. and 300° C. and subjecting the heated rosin concurrently to the action of an alcohol and of from 0.5% to 25% by weight of the rosin of sulfur, the temperature and time of heating being sufficient to effect esterification and reduction of unsaturation.

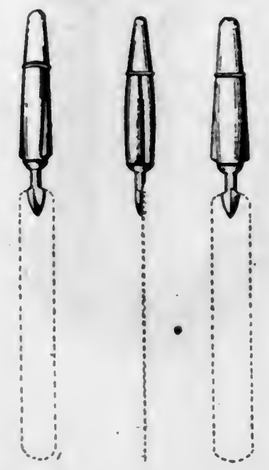
2,409,174
LUMINESCENT MATERIALS
Herbert J. Dietz, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 2, 1944, Serial No. 533,802
5 Claims. (Cl. 252—301.4)

1. A luminescent composition comprising as its principal ingredient a barium fluorhalide which has been heat-treated at a temperature of the order of 1450° and containing at least one quarter of one per cent by weight of a silicon compound selected from the silico fluorides, the silicates and silicon dioxide.

DESIGNS

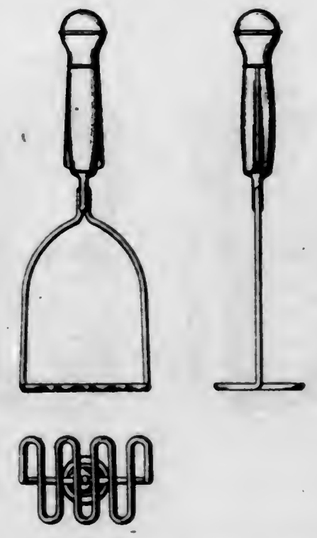
OCTOBER 8, 1946

145,685
DESIGN FOR A KITCHEN TOOL OR SIMILAR ARTICLE
James Harvey Chandler, Oak Park, and Allen J. Eggleston, Chicago, Ill., assignors to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application August 4, 1945, Serial No. 121,208
Term of patent 14 years
(Cl. D44—29)



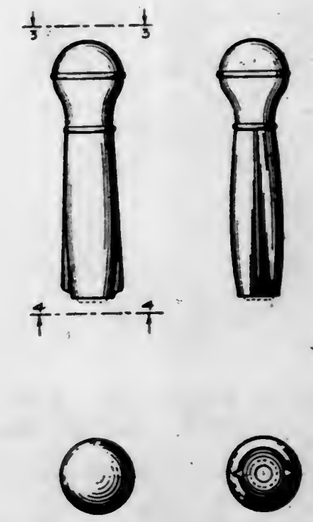
The ornamental design for a kitchen tool or similar article, as shown and described.

145,686
DESIGN FOR A KITCHEN TOOL OR SIMILAR ARTICLE
James Harvey Chandler, Oak Park, and Allen J. Eggleston, Chicago, Ill., assignors to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application September 19, 1945, Serial No. 122,180
Term of patent 14 years
(Cl. D89—1)



The ornamental design for a kitchen tool or similar article, as shown.

145,687
DESIGN FOR A HANDLE FOR KITCHEN UTENSILS OR SIMILAR ARTICLES
James Harvey Chandler, Oak Park, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application September 19, 1945, Serial No. 122,183
Term of patent 14 years
(Cl. D44—29)



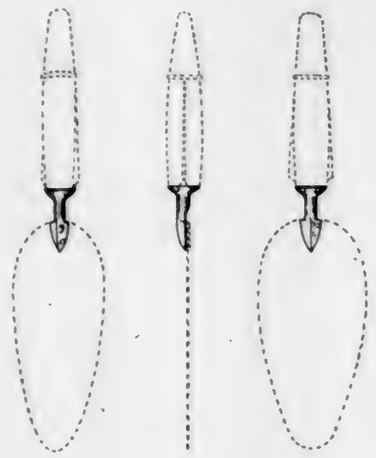
The ornamental design for a handle for kitchen utensils or similar articles, as shown.

145,688
DESIGN FOR A SHOE
Joseph K. Eagan, Peoria, Ill.
Application April 26, 1946, Serial No. 128,974
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a shoe, as shown.

145,689
DESIGN FOR A KITCHEN TOOL OR SIMILAR ARTICLE
Allen J. Eggleston, Chicago, Ill., assignor to Ekco Products Company, a corporation of Illinois
Application June 30, 1945, Serial No. 120,414
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a kitchen tool or similar article, as shown and described.

145,690
DESIGN FOR A LUBRICATING EQUIPMENT CABINET
Arthur M. Fitzpatrick, Jr., Detroit, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 26, 1945, Serial No. 123,216
Term of patent 14 years
(Cl. D52—2)



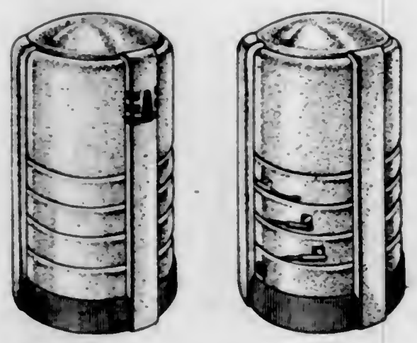
The ornamental design for a lubricating equipment cabinet, substantially as shown and described.

145,691
DESIGN FOR A LUBRICATING EQUIPMENT CABINET
Arthur M. Fitzpatrick, Jr., Detroit, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 26, 1945, Serial No. 123,217
Term of patent 14 years
(Cl. D52—2)



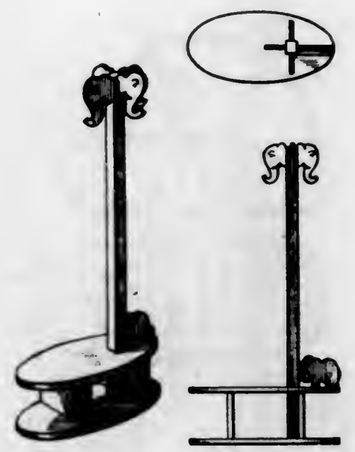
The ornamental design for a lubricating equipment cabinet, substantially as shown and described.

145,692
DESIGN FOR A LUBRICATING EQUIPMENT CABINET
Arthur M. Fitzpatrick, Jr., Detroit, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 26, 1945, Serial No. 123,218
Term of patent 14 years
(Cl. D52—2)



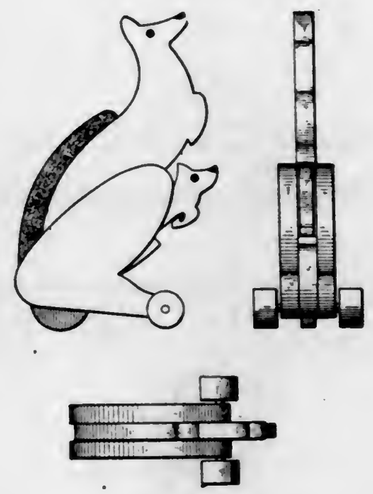
The ornamental design for a lubricating equipment cabinet, substantially as shown.

145,693
DESIGN FOR A YOUTH'S COSTUMER
Jack W. Floyd, Seattle, Wash.
Application November 23, 1945, Serial No. 124,039
Term of patent 7 years
(Cl. D33—8)



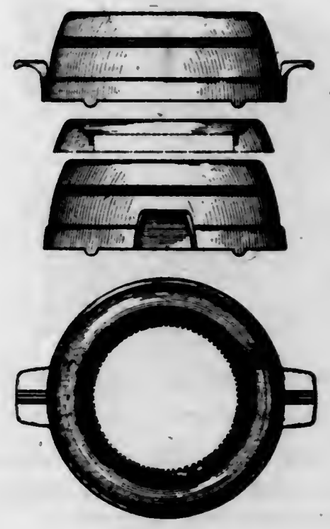
The ornamental design for a youth's costumer, as shown.

145,694
DESIGN FOR A PULL TOY
John A. Healey, Chicago, Ill.
Application September 24, 1945, Serial No. 122,269
Term of patent 14 years
(Cl. D34—15)



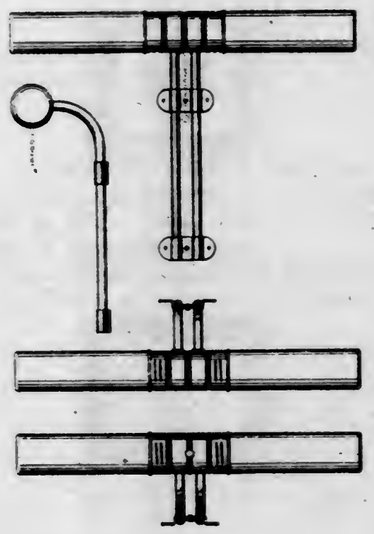
The ornamental design for a pull toy, as shown.

145,695
DESIGN FOR AN ELECTRIC STOVE
Raymond Heer, Chicago, Ill., assignor to General Consumer Products, Inc., Chicago, Ill., a corporation of Illinois
Application December 15, 1945, Serial No. 124,769
Term of patent 14 years
(Cl. D81—10)



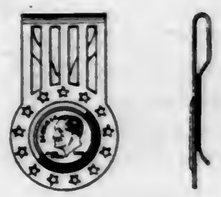
The ornamental design for an electric stove, as shown and described.

145,696
DESIGN FOR A LIGHT FIXTURE
Clyde D. McCann, Des Moines, Iowa
Application November 10, 1945, Serial No. 123,652
Term of patent 14 years
(Cl. D48—4)



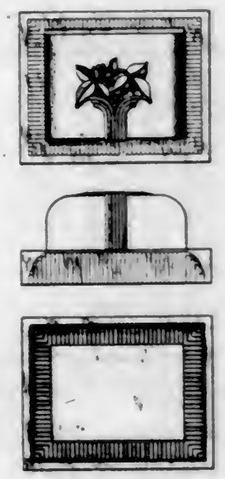
The ornamental design for a light fixture, substantially as shown and described.

145,697
DESIGN FOR A MONEY CLIP
Charles E. Mills, Cleveland, Ohio, assignor to Juno Products Company, an Ohio partnership composed of Erick Weinberger and S. Weinberger
Application June 7, 1946, Serial No. 130,503
Term of patent 3½ years
(Cl. D74—2)



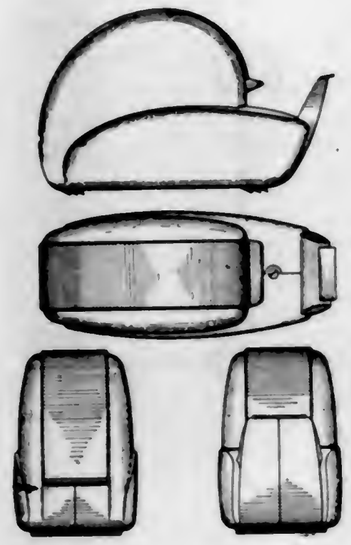
The ornamental design for a money clip, substantially as shown and described.

145,698
DESIGN FOR A GIFT BOX
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 14, 1945, Serial No. 123,747
Term of patent 14 years
(Cl. D58—12.6)



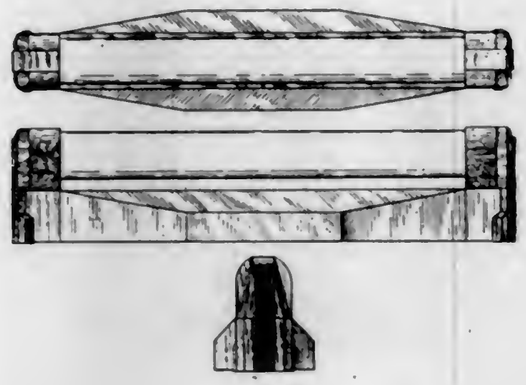
The ornamental design for a gift box, as shown.

145,699
DESIGN FOR A TAPE DISPENSER
Harry Preble, Jr., New York, N. Y., assignor to International Plastic Corporation, Morristown, N. J., a corporation of Illinois
Application January 26, 1946, Serial No. 126,019
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a tape dispenser, substantially as shown.

145,700
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Nathan M. Robboy, Cleveland Heights, Ohio
Application November 20, 1945, Serial No. 123,925
Term of patent 14 years
(Cl. D48—23)



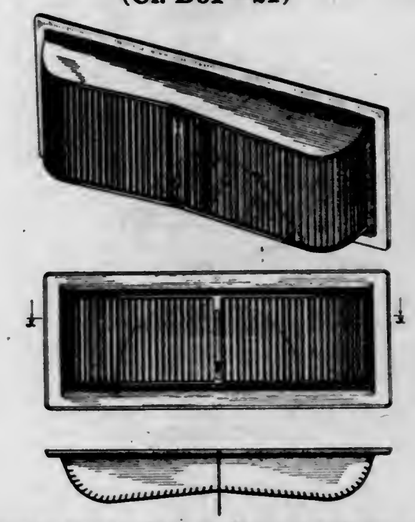
The ornamental design for a fluorescent lighting fixture, substantially as shown.

145,701
DESIGN FOR AN ANIMAL FIGURE
William W. Rodgers, Wilmington, Del.
Application June 26, 1946, Serial No. 131,060
Term of patent 14 years
(Cl. D34—2)



The ornamental design for an animal figure, as shown.

145,702
DESIGN FOR A REGISTER OR SIMILAR ARTICLE
Morris Sanders, New York, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 15, 1945, Serial No. 122,833
Term of patent 14 years
(Cl. D81—21)



The ornamental design for a register or similar article, substantially as shown.

145,703
DESIGN FOR A DRESS
Max Schneck, Long Island, N. Y., assignor to Max Schneck & Bros., Inc., New York, N. Y., a corporation of New York
Application October 17, 1945, Serial No. 122,922
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,704
DESIGN FOR A DRESS
Max Schneck, Long Island, N. Y., assignor to Max Schneck & Bros., Inc., New York, N. Y., a corporation of New York
Application October 17, 1945, Serial No. 122,923
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,705
DESIGN FOR A CLIP BOOKMARK
Edward Leonidas Woodley, Baird, Tex.
Application January 21, 1946, Serial No. 125,828
Term of patent 14 years
(Cl. D6—1)



The ornamental design for a clip bookmark, as shown.

145,706
DESIGN FOR A CLIP BOOKMARK
Edward Leonidas Woodley, Baird, Tex.
Application April 5, 1946, Serial No. 128,328
Term of patent 14 years
(Cl. D6—1)



The ornamental design for a clip bookmark, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Airkem, Inc., New York, N. Y. Preparations for freshening or deodorizing the air. Serial No. 498,573; Oct. 8. Class 6.

American Engineering Company, Philadelphia, Pa. Electric hoists, electric winches, electric windlasses, etc. Serial No. 499,984; Oct. 8. Class 21.

Artcraft Metal Products, Inc., West Haven, Conn. Toy sewing machines. Serial No. 506,573; Oct. 8. Class 22.

Artistic Card Company, Elmira, N. Y. Greeting cards. Serial No. 489,708; Oct. 8. Class 38.

Barone, Tony, doing business as Laboratory Products Company, Detroit, Mich. Medicines. Serial No. 494,006; Oct. 8. Class 6.

Beau Brummel Polish Corp., Brooklyn, N. Y. Shoe polish. Serial No. 494,650; Oct. 8. Class 4.

Becton, Dickinson & Co., Rutherford, N. J. Clinical thermometers. Serial No. 506,634; Oct. 8. Class 44.

Bevodel Company, The, Sacramento, Calif. Nonalcoholic, maltless beverages. Serial No. 502,941; Oct. 8. Class 45.

Biggar & Biggar, Fort Myers, Fla. Fresh vegetables. Serial No. 497,010; Oct. 8. Class 46.

Bird Electronic Corporation, The, Cleveland, Ohio. Electrical switches. Serial No. 497,990; Oct. 8. Class 21.

Bishop, J., & Company Platinum Works, Malvern, Pa. Hypodermic needles. Serial No. 505,727; Oct. 8. Class 44.

Bloomfield Company, The, Cleveland, Ohio. Women's outer apparel. Serial No. 497,065; Oct. 8. Class 39.

Boyle-Midway Inc., Jersey City, N. J. Hand sprayers. Serial Nos. 499,476–7; Oct. 8. Class 23.

Breuer Electric Mfg. Co., Chicago, Ill. Electric markers, and etchers. Serial No. 498,752; Oct. 8. Class 21.

Breuer Electric Mfg. Co., Chicago, Ill. Electric dust collectors. Serial No. 498,753; Oct. 8. Class 21.

Brunswick-Balke-Collender Company,, The, Wilmington, Del., and Chicago, Ill. Bowling balls. Serial No. 506,729; Oct. 8. Class 22.

Caldex Company, The, Sheldon, Ill. Toy gliders. Serial No. 506,798; Oct. 8. Class 22.

Cargair, Inc., Los Angeles, Calif. Refrigerators for refrigerating goods being transported. Serial No. 485,193; Oct. 8. Class 31.

Cleveland, Clark, Inc., Binghamton, N. Y. Dental plate cleaner, in powder form. Serial No. 495,012; Oct. 8. Class 4.

Clougherty Bros., assignor to Clougherty Packing Company, Vernon, Calif. Meat and meat products. Serial No. 491,232; Oct. 8. Class 46.

Clougherty Packing Company, assignee: *See*—
Clougherty Bros.

Cohen Bros. Specialties Inc., New York, N. Y. Men's outer shirts, lounging and bath robes, and sport coats. Serial No. 498,604; Oct. 8. Class 39.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Household cleanser. Serial Nos. 495–588–9; Oct. 8. Class 4.

College Deb Coats: *See*—
Jerry Coat Company.

Concordade Company, Inc., Providence, R. I. Non-alcoholic, non-cereal, maltless beverages. Serial No. 502,122; Oct. 8. Class 45.

Consolidated Cosmetics, Chicago, Ill. Leather cosmetic kit bags and cases, etc. Serial No. 493,325; Oct. 8. Class 3.

Consolidated Cosmetics, Chicago, Ill. China dinnerware and china and earthenware chambers, pitchers, etc. Serial No. 500,605; Oct. 8. Class 30.

Constant, Harold E., doing business as Constant Hosiery Mills, Milwaukee, Wis. Hosiery. Serial No. 490,795; Oct. 8. Class 39.

Constant Hosiery Mills: *See*—
Constant, Harold E.

Constitution Tobacco Products Corp., New York, N. Y. Cigarettes. Serial No. 499,319; Oct. 8. Class 17.

Cosmetic Arts Laboratories: *See*—
Grossman, Eve R.

Couper, Thomas B., Jr., Glen Ridge, N. J. Phonograph sound records. Serial No. 497,848; Oct. 8. Class 36.

Daniels, C. R., Inc., Hillsdale, Baltimore, Md. Tents. Serial No. 498,507; Oct. 8. Class 50.

Davis, J. W., Company: *See*—
Davis, Joseph W.

Davis, Joseph W., doing business as J. W. Davis Company, Bloomington, Ill. Belt type conveying apparatus. Serial No. 494,821; Oct. 8. Class 23.

De Marbel (Société à Responsabilité Limitée), Neuilly Sur Seine, France. Perfumes, toilet waters, rouge, etc. Serial No. 498,986; Oct. 8. Class 6.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. Serial No. 490,580; Oct. 8. Class 37.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. Serial No. 493,329; Oct. 8. Class 37.

Diversified Fabrics, Inc., New York, N. Y. Rayon piece goods. Serial No. 477,262; Oct. 8. Class 42.

Dohrmann Hotel Supply Co., San Francisco, Calif. Janitorial supplies. Serial No. 487,598; Oct. 8. Class 4.

Duell, Edith B., Detroit, Mich. Cigarette cases. Serial No. 497,923; Oct. 8. Class 8.

E. N. T. Tampon Company: *See*—
Riordan, Howard C.

Eaton-Dikeman Company, The, Mount Holly Springs, Pa. Filter paper. Serial No. 495,279; Oct. 8. Class 31.

Eaton Manufacturing Company, Cleveland, Ohio. Heat, wear, corrosion and erosion resistant poppet valve mechanisms, facings and parts thereof. Serial No. 494,826; Oct. 8. Class 23.

Edo Aircraft Corporation, New York, and College Point, Long Island, N. Y. Step stools. Serial No. 506,585; Oct. 8. Class 32.

Electric Sprayit Co., The, Sheboygan, Wis. Hydraulic actuating cylinders, hydraulic operating valves, air compressors, etc. Serial No. 481,617; Oct. 8. Class 23.

Electric Steel Foundry, Portland, Oreg. Plastic metallic gaskets. Serial No. 490,939; Oct. 8. Class 35.

Endo Products, Inc., New York, N. Y. Hematinic. Serial No. 489,051; Oct. 8. Class 6.

Essick Manufacturing Company, Los Angeles, Calif. Concrete mixers. Serial No. 489,725; Oct. 8. Class 23.

Ewing, Ray, Company, The, South Pasadena, Calif. Vitamin and amino acid supplement. Serial No. 497,472; Oct. 8. Class 6.

Farm Minerals Company, Inc., The, Fishers, Ind. Supplement for feed for poultry, live stock or other animals. Serial No. 497,085; Oct. 8. Class 6.

Fluordent, Inc., New Orleans, La. Dentifrice. Serial No. 491,251; Oct. 8. Class 6.

Galloway, George M., doing business as Grand Lake Fishing Tackle, Celina, Ohio. Artificial fish baits. Serial No. 504,172; Oct. 8. Class 22.

General Aniline & Film Corporation, New York, N. Y. Photographic cameras. Serial No. 491,640; Oct. 8. Class 26.

General Ceramics and Steatite Corporation, Keasbey, N. J. Electrical apparatus in the nature of combinations of metals and ceramics. Serial No. 481,021; Oct. 8. Class 21.

Gilcor Manufacturing Company, Inc., New York, N. Y. Liquid laundry starch. Serial No. 497,789; Oct. 8. Class 6.

Gildner, Henry G., doing business as Travel-Toi Company, Detroit, Mich. Children's toilet chairs. Serial No. 497,662; Oct. 8. Class 32.

Gill, J. J., & Associates, Los Angeles, Calif. Artificial fish bait. Serial No. 504,267; Oct. 8. Class 22.

Glensder Textile Co., New York, N. Y. Ladies' and children's hats, and hat and scarf sets. Serial No. 487,253; Oct. 8. Class 39.

Gojer Laboratories, Akron, Ohio. Detergents. Serial No. 493,374; Oct. 8. Class 4.

Goldstein, Irving, Forest Hills, N. Y. Ladies', misses', and junior misses' dresses. Serial No. 499,620; Oct. 8. Class 39.

Gonyea, Maude, Hazel Park, Mich. Hair restorer. Serial No. 499,548; Oct. 8. Class 6.

Grand Lake Fishing Tackle: *See*—
Galloway, George M.

Grossman, Eve R., doing business as Cosmetic Arts Laboratories, Upper Montclair, N. Y. Nail polish, nail oil, skin cream, etc. Serial No. 494,557; Oct. 8. Class 6.

Hall, Storrs H., Southgate, Calif. Perfume. Serial No. 498,992; Oct. 8. Class 6.

Harter Corporation, Sturgis, Mich. Chairs, seats, and office stands, etc. Serial No. 506,314; Oct. 8. Class 32.

Heribert, Herbert J., New York, N. Y. Plastic composition. Serial No. 497,860; Oct. 8. Class 1.

Heribert, Herbert J., New York, N. Y. Solution to be used as a coating, finish or lacquer for textiles and for plastics. Serial No. 497,861; Oct. 8. Class 6.

Hester, George C., Glendale, doing business as Janet Hester, Hollywood, Calif. Perfumes. Serial Nos. 498,139–40; Oct. 8. Class 6.

Hester, Janet: *See*—
Hester, George C.

Hills Bros. Coffee, Inc., San Francisco, Calif. Coffee. Serial Nos. 495,800–1; Oct. 8. Class 46.

Hilltop Farm Feed Company, Minneapolis, Minn. Poultry feeds. Serial No. 478,326; Oct. 8. Class 46.

Hoak, D. R., doing business as West Coast Growers & Packers, Fresno, Calif. Raisins. Serial No. 500,304; Oct. 8. Class 46.

Hudson Products, Inc., Jersey City, N. J. Cream for holding false teeth tightly. Serial No. 499,231; Oct. 8. Class 6.
Hunt Foods, Inc., San Francisco, Calif. Canned fruits and vegetables. Serial No. 495,475; Oct. 8. Class 46.
Jana Handbags, Inc., New York, N. Y. Ladies' handbags. Serial No. 506,602; Oct. 8. Class 3.
Jefferson Chemical Company, Inc., New York, N. Y. Ethylene oxide and ethylene glycol. Serial No. 497,864; Oct. 8. Class 6.
Jerry Coat Company, doing business as College Deb Coats, New York, N. Y. Women's junior coats and suits. Serial No. 493,445; Oct. 8. Class 39.
Kaktine Company, The, Glendale, Calif. Preparation having use as a mouth wash and throat gargle. Serial No. 484,407; Oct. 8. Class 6.
Keen-Aire Research Laboratories: *See*—
Keenoy, F. P.
Keenoy, F. P., doing business as Keen-Aire Research Laboratories, Kansas City, Mo. Deodorizing material for closed spaces. Serial No. 498,905; Oct. 8. Class 6.
Keever Starch Company, The, Columbus, Ohio. Wall size. Serial No. 500,985; Oct. 8. Class 5.
Kemp and Lane, Inc., Leroy, N. Y. Preparation for indigestion, constipation, heartburn, etc. Serial No. 499,416; Oct. 8. Class 6.
Kennedy, David E., Inc., Brooklyn, N. Y. Wax to preserve, protect, and polish asphalt tile, etc. Serial No. 497,251; Oct. 8. Class 16.
Kennedy, Jerome D., doing business as United Chemical Company, Rutland, Vt. Insecticides. Serial No. 498,635; Oct. 8. Class 6.
Kirk and Weideman, Los Angeles, Calif. Brassières, corsets, foundation garments, etc. Serial No. 496,246; Oct. 8. Class 39.
Koh-I-Noor Pencil Factory L. & C. Hardmuth, Caske Budejovice, Czechoslovakia. Screwing and pressing pencils, and fountain-pens. Serial No. 497,941; Oct. 8. Class 37.
Kollmorgen Optical Corporation, Brooklyn, N. Y. Optical goods. Serial No. 491,578; Oct. 8. Class 26.
Kornblum, Herman E., Monticello, N. Y. Non-alcoholic, non-cereal, maltless beverages. Serial No. 502,757; Oct. 8. Class 45.
Kotalko Sales Company: *See*—
Lafayette Drug Company, Inc.
Laboratory Products Company: *See*—
Barone, Tony.
Lafayette Drug Company, Inc., doing business as Kotalko Sales Company, Jersey City, N. J. Hair tonics and ointment. Serial No. 498,138; Oct. 8. Class 6.
La France Industries, Philadelphia, Pa. Disinfectant and mildew and bacteria preventative. Serial No. 495,297; Oct. 8. Class 6.
Leco Feed Mills, Inc., Kinston, N. C. Feeds for poultry. Serial No. 496,640; Oct. 8. Class 46.
Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. Serial No. 505,214; Oct. 8. Class 35.
Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. Serial Nos. 499,787–90; Oct. 8. Class 6.
Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. Serial No. 495,053; Oct. 8. Class 4.
Lewis Bros. & Spritzer Hosiery Corp., New York, N. Y. Hosiery. Serial No. 498,642; Oct. 8. Class 39.
Lexington Machinery & Development Co., Inc., Clifton, N. J. Electric toasters. Serial No. 493,788; Oct. 8. Class 21.
M. O. T. Industries: *See*—
Teetor, Macy O.
Maas & Waldstein Company, Newark, N. J. Coating compositions. Serial No. 488,339; Oct. 8. Class 16.
Marjan, Incorporated, Lancaster, Pa. Infants' and children's dresses. Serial No. 500,550; Oct. 8. Class 39.
Markwell Mfg. Co., Inc., New York, N. Y. Stapling machines. Serial No. 494,620; Oct. 8. Class 23.
Marwin Dyestuff Corporation, Jersey City, N. J. Dyestuff. Serial No. 492,638; Oct. 8. Class 6.
Marwin Dyestuff Corporation, Jersey City, N. J. Dyestuff. Serial Nos. 492,642–6; Oct. 8. Class 6.
Mathieson Alkali Works, The, New York, N. Y. Quaternary ammonium sanitizing powder. Serial No. 497,614; Oct. 8. Class 6.
Mathieson Alkali Works, The, New York, N. Y. Quaternary ammonium sanitizing solution. Serial Nos. 497,615–16; Oct. 8. Class 6.
Mengel Company, The, Louisville, Ky. Dressers, bureaus, highboys, etc. Serial No. 500,683; Oct. 8. Class 32.
Metal and Alloy Specialties Company, Inc., Buffalo, N. Y. Metal castings. Serial No. 472,905; Oct. 8. Class 14.
Metallurgical Equipment Co., Inc., East Rutherford, N. J. Flexible all metal hose. Serial No. 506,680; Oct. 8. Class 35.
Milwaukee Lace Paper Company, Milwaukee, Wis. Paper napkins and paper tray covers. Serial No. 497,116; Oct. 8. Class 37.
Monsanto Chemical Company, St. Louis, Mo. Chemicals for use in making synthetic resins and plastics. Serial No. 498,241; Oct. 8. Class 6.
Monumental Bowling and Billiard Supply Company, Baltimore, Md. Bowling pins. Serial No. 506,183; Oct. 8. Class 22.
Mook Brothers, New York, N. Y. Piece goods of cotton, of rayon, and of mixtures of cotton, rayon and wool. Serial No. 466,946; Oct. 8. Class 42.
Moore, Robert, Montclair, N. J. All white, non-fabric, lawn tennis court marking tape. Serial No. 502,761; Oct. 8. Class 22.
Niemann, William H., & Co., New York, N. Y. Flower seeds, grass seed, bulbs, etc. Serial No. 493,277; Oct. 8. Class 1.
Packaged Foods Products Co., Detroit, Mich. Potato pancake mixture. Serial No. 496,329; Oct. 8. Class 46.
Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, eau de colognes, etc. Serial No. 497,735; Oct. 8. Class 6.
Parke, Davis & Company, Detroit, Mich. Anti-malarial preparation. Serial No. 498,027; Oct. 8. Class 6.
Penndale Distilling Company, Philadelphia, Pa. Corn whiskey. Serial No. 499,729; Oct. 8. Class 49.
Penndale Distilling Company, Philadelphia, Pa. Blended whiskey. Serial No. 499,965; Oct. 8. Class 49.
Peterman, William, Inc., Newark, N. J. Insecticide. Serial No. 494,573; Oct. 8. Class 6.
Plant Products Corporation, Blue Point, N. Y. Weed killer. Serial No. 497,493; Oct. 8. Class 6.
Plymouth Wholesale Drygoods Corporation, New York, N. Y. Fertilizers. Serial No. 488,418; Oct. 8. Class 10.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Floor furniture and automobile waxes and polishes, paints sold in dry form, etc. Serial No. 488,421; Oct. 8. Class 16.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Electric, gas, and mechanical refrigerators. Serial No. 504,695; Oct. 8. Class 31.
Pritikin Furniture Company: *See*—
Zarbin, Richard B.
Pritzker, Charles M., New York, N. Y. Plastic cigarette container in the nature of cigarette cases. Serial No. 497,331; Oct. 8. Class 8.
Protecto Products Co., Inc., Pomona, Calif. Paper toilet seat covers. Serial No. 497,566; Oct. 8. Class 37.
Purity Drug Co., Inc., Passaic, N. J. Cream deodorant. Serial No. 498,079; Oct. 8. Class 6.
Republic Rubber Division: *See*—
Lee Rubber & Tire Corporation.
Riley, Stephen, Company: *See*—
Riley, Stephen E.
Riley, Stephen E., doing business as Stephen Riley Company, Los Angeles, Calif. Perfume. Serial No. 498,076; Oct. 8. Class 6.
Riordan, Howard C., doing business as E. N. T. Tampon Company, Oak Park, Ill. Tampons and surgical dressings. Serial No. 502,845; Oct. 8. Class 44.
Röhm & Haas Company, Philadelphia, Pa. Insecticides, fungicides, and disinfectants. Serial No. 487,864; Oct. 8. Class 6.
Rose City Foods: *See*—
Searcy, Floyd H.
Saks & Company, New York, N. Y. Misses' and children's dresses, hats, coats, etc. Serial No. 498,314; Oct. 8. Class 39.
Salem Products Corp., New York, N. Y. Shoulder pads. Serial No. 495,829; Oct. 8. Class 40.
Santos, R. L., Company: *See*—
Santos, Ralph L.
Santos, Ralph L., doing business as R. L. Santos Company, Cambridge, Mass. Games. Serial No. 505,862; Oct. 8. Class 22.
Sauer, Leo A., doing business as V-O Manufacturing Co., Glendale, Calif. Chemical solutions. Serial No. 484,910; Oct. 8. Class 6.
Schoble Hats, Inc., Philadelphia, Pa. Men's hats. Serial No. 475,303; Oct. 8. Class 39.
Schoble Hats, Inc., Philadelphia, Pa. Men's hats. Serial No. 475,770; Oct. 8. Class 39.
Schoble Hats, Inc., Philadelphia, Pa. Men's hats. Serial No. 476,306; Oct. 8. Class 39.
Scott & Williams, Incorporated, Laconia, N. H. Hosiery. Serial No. 501,476; Oct. 8. Class 39.
Searcy, Floyd H., doing business as Rose City Foods, Thomasville, Ga. Peanut butter. Serial No. 499,436; Oct. 8. Class 46.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial and ear drop preparation. Serial No. 494,715; Oct. 8. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin and mineral preparation. Serial No. 498,257; Oct. 8. Class 6.
Silliphant, Leigh, Glendale, Calif. Garlic sauce and soy sauce and wine vinegars. Serial No. 491,173; Oct. 8. Class 46.
Societe Anonyme Solex, Neuilly-sur-Seine (Seine), France. Petroleum products. Serial No. 485,425; Oct. 8. Class 15.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Porous inorganic material. Serial No. 498,092; Oct. 8. Class 6.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. Serial No. 505,863; Oct. 8. Class 2.
Sparky Specialties, Inc., Chicago, Ill. Electrical coils, electrical switches, and condensers. Serial No. 498,727; Oct. 8. Class 21.

Staber's For Beauty, Los Angeles, Calif. Wave cream, hair dressing, and oil hair dressing. Serial No. 497,504; Oct. 8. Class 6.
Standard Blade Co., Inc., New York, N. Y. Razor blades. Serial No. 499,971; Oct. 8. Class 23.
Stor-Aid, Inc., New York, N. Y. Decorative edgings of plastic material for shelves. Serial No. 490,510; Oct. 8. Class 13.
Sugar Products Co., Bloomfield, N. J. Candy. Serial No. 465,234; Oct. 8. Class 46.
Sun Oil Company, Philadelphia, Pa. Rubber vulcanizing cement and cementitious vulcanizing gum. Serial No. 496,346; Oct. 8. Class 5.
Swallow Airplane Company, Inc., Wichita, Kans. Door checks. Serial No. 498,037; Oct. 8. Class 13.
Teasdale & Co. Limited, Carlisle, England. Medicated sweetmeats. Serial No. 497,278; Oct. 8. Class 6.
Teetor, Macy O., doing business as M. O. T. Industries, New Castle, Ind. Garment hangers. Serial No. 494,639; Oct. 8. Class 50.
Textron Incorporated, Providence, R. I. Bedspreads, vanity table skirts, and textile bridge table covers. Serial No. 498,360; Oct. 8. Class 42.
Travel-Toi Company: *See*—
Gildner, Henry G.
Tubbs Cordage Company, San Francisco, Calif. Paper covered twine. Serial No. 504,944; Oct. 8. Class 7.
United Chemical Company: *See*—
Kennedy, Jerome D.
V-O Manufacturing Co.: *See*—
Sauer, Leo A.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Whipping and emulsifying agent. Serial No. 497,148; Oct. 8. Class 46.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Whipping and emulsifying agent. Serial No. 497,150; Oct. 8. Class 46.
Velsicol Corporation, Chicago, Ill. Core oils. Serial No. 497,903; Oct. 8. Class 5.
Viragon Products, Kansas City, Mo. Electric lamps emitting ultraviolet rays. Serial No. 498,817; Oct. 8. Class 21.
Wallau, Alex L., Inc., New York, N. Y. Socks and stockings. Serial No. 492,752; Oct. 8. Class 39.
Weiner, Martin, New York, N. Y. Piece goods. Serial No. 490,867; Oct. 8. Class 42.
West Coast Growers & Packers: *See*—
Hoak, D. R.
Westerfield Pharmacal Co. Inc., Dayton, Ohio. Chemical test set for detecting albumin in urine. Serial No. 491,182; Oct. 8. Class 44.
Westinghouse Electric Corporation, East Pittsburgh, Pa., and Baltimore, Md. Apparatus employed for the purpose of making radiographic and fluoroscopic diagnostic examinations. Serial No. 506,715; Oct. 8. Class 44.
Windee, Inc., New York, N. Y. Boys' undershirts, outershirts, and pajamas. Serial No. 498,741; Oct. 8. Class 39.
Winer Manufacturing Company, Hammond, Ind. Sport jackets. Serial No. 499,979; Oct. 8. Class 39.
Witco Chemical Company, Chicago, Ill. Hard wax-like substance. Serial No. 480,260; Oct. 8. Class 6.
Wooldridge Manufacturing Company, Sunnyvale, Calif. Earth moving carrier scrapers. Serial No. 498,101; Oct. 8. Class 23.
Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. Serial No. 498,363; Oct. 8. Class 42.
Zarbin, Richard B., doing business as Pritikin Furniture Company, Chicago, Ill. Mattresses, pillows, box springs, etc. Serial No. 501,943; Oct. 8. Class 32.

LIST OF REGISTRANTS OF TRADE-MARKS

Abouchar & Co., to Abouchar & Co. Inc., New York, N. Y. Linen piece goods. 208,704; renewed Feb. 9, 1946. O. G. Oct. 8. Class 42.
Abouchar & Co. Inc.: *See*—
Abouchar & Co.
Ace Sample Card Co.: *See*—
Stein, Harry.
Acme Brick Company, Fort Worth, Tex. Brick. 219,422; renewed Oct. 19, 1946. O. G. Oct. 8. Class 12.
Aermotor Company, Chicago, Ill. Windmills. 56,596; re-renewed Oct. 9, 1946. O. G. Oct. 8. Class 23.
Affiliated Retailers, Inc., New York, N. Y. Razor blades. 424,512–14; Oct. 8; Serial Nos. 494,998–5,000; published July 9, 1946. Class 23.
Alabama Feed Mills, Tuscaloosa, Ala. Horse and mule feed. 424,486; Oct. 8; Serial No. 491,305; published July 16, 1946. Class 46.
American Crayon Company, The, Sandusky, Ohio. Writing and printing ink in paste form. 219,746; renewed Oct. 26, 1946. O. G. Oct. 8. Class 11.
American Crayon Company, The, Sandusky, Ohio. Modeling clay. 220,196; renewed Nov. 2, 1946. O. G. Oct. 8. Class 1.
American Manufacturing Company: *See*—
American Manufacturing Company, The.
American Manufacturing Company, The, New York, to American Manufacturing Company, Brooklyn, N. Y. Rope, cord, lines, and twine. 57,434; re-renewed Nov. 13, 1946. O. G. Oct. 8. Class 7.
American Steel and Wire Company, Chicago, Ill., to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Woven-wire fencing. 53,740; re-renewed June 12, 1946. O. G. Oct. 8. Class 13.
American Steel and Wire Company of New Jersey, The: *See*—
American Steel and Wire Company.
American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md., to Butler Brothers, Chicago, Ill. Canvas, leather, felt, and rubber shoes. 215,613; renewed July 20, 1946. O. G. Oct. 8. Class 39.
Anchor Hocking Glass Corporation, Lancaster, Ohio. Closure caps. 424,542; Oct. 8. Class 50.
Armour and Company: *See*—
Luxor, Limited.
Armour and Company, Chicago, Ill. Soap. 218,958; renewed Oct. 5, 1946. O. G. Oct. 8. Class 4.
Arons, Herman, doing business as Newark Luggage Co., Newark, N. J. Suitcases, trunks, and bags. 216,258; renewed Aug. 10, 1946. O. G. Oct. 8. Class 3.
Arrowhead and Puritas Waters Inc.: *See*—
Los Angeles Ice & Cold Storage Co.
Artcraft Hosiery Company: *See*—
Artcraft Silk Hosiery Mills, Inc.
Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa., and New York, N. Y., to Artcraft Hosiery Company, Philadelphia, Pa. Ladies' hosiery. 214,858; renewed July 6, 1946. O. G. Oct. 8. Class 39.
Arthur's, Chicago, Ill. Confectionery. 424,569; Oct. 8. Class 46.
Atlas Instrument Company, Haddonfield, N. J. Electric scissors. 424,516; Oct. 8; Serial No. 495,161; published July 9, 1946. Class 21.
Aviola Radio Corporation, Glendale, Calif. Radio receiving sets, electric record players, radio manual, etc. 424,490; Oct. 8; Serial No. 492,125; published July 16, 1946. Class 21.
Babson Bros. Co., Chicago, Ill. Milking equipment. 424,488; Oct. 8; Serial No. 492,027; published July 16, 1946. Class 23.
Baer, Clyde K., Philadelphia, Pa. Laxative pills, arsenated iron tablets, indigestion treatment, etc. 212,757; renewed May 11, 1946. O. G. Oct. 8. Class 6.
Balch Flavor Company: *See*—
Balch, Gerald C.
Balch, Gerald C., doing business as Balch Flavor Company, Pittsburgh, Pa. Flavoring extracts for ice cream. 424,454; Oct. 8; Serial No. 484,774; published July 16, 1946. Class 46.
Balcrank Inc., Cincinnati, Ohio. Lubrication equipment. 424,451; Oct. 8; Serial No. 484,337; published July 16, 1946. Class 26.
Bancroft Racket Company, Pawtucket, R. I. Badminton and tennis rackets. 424,582; Oct. 8. Class 22.
Baron-Abramson, Inc., Boston, Mass. Women's and misses' spectator sportswear and wearing apparel. 424,580; Oct. 8. Class 39.
Barr Electric Company: *See*—
Barr, William W.
Barr, William W., doing business as Barr Electric Company, Dallas, Tex. Electrical equipment and appliances. 424,503; Oct. 8; Serial No. 493,879; published July 16, 1946. Class 21.
Bastian-Morley Co., to Bastian-Morley Co., Inc., La Porte, Ind. Asbestos felt jackets for water heaters and boilers. 218,182; renewed Sept. 21, 1946. O. G. Oct. 8. Class 12.
Bastian-Morley Co., Inc.: *See*—
Bastian-Morley Co.
Bates, C. J., & Son, Chester, Conn. Hand-operated reels. 424,434; Oct. 8; Serial No. 474,107; published July 16, 1946. Class 23.
Baton Rouge Rice Mill, Inc., Baton Rouge, La. Rice. 424,446–7; Oct. 8; Serial Nos. 484,007–8; published July 16, 1946. Class 46.
Bay City Milling Company, Bay City, Mich. Malt sirup for food purposes. 213,949; renewed June 8, 1946. O. G. Oct. 8. Class 46.
Beandry Brothers Candy Co., Los Angeles, Calif. Candy. 424,578; Oct. 8. Class 46.
Beaver Gear Works, Inc., Rockford, Ill. Precision gears. 424,438; Oct. 8; Serial No. 481,691; published Nov. 13, 1945. Class 23.
Becton, Dickinson & Company, East Rutherford, N. J. Hypodermic needles. 424,583; Oct. 8. Class 44.
Bemis Bro. Bag Company, St. Louis, Mo. Paper bags and sacks. 424,440; Oct. 8; Serial No. 482,131; published July 24, 1945. Class 2.

Benfield, John D., Detroit, Mich. Electrical connectors. 424,475; Oct. 8; Serial No. 488,733; published July 16, 1946. Class 21.

Bennett Pumps Corporation, Muskegon, Mich., to John Wood Manufacturing Company., Inc., Philadelphia, Pa. Self-measuring oil and grease dispensing devices. 218,118; renewed Sept. 21, 1946. O. G. Oct. 8. Class 26.

Berg, Charles F., to Charles F. Berg, Inc., Portland, Oreg. Wearing apparel. 215,299; renewed July 13, 1946. O. G. Oct. 8. Class 39.

Berg, Charles F., Inc.: *See*
Berg, Charles F.

Berti Brothers, New York, N. Y. Candy. 219,743; renewed Oct. 26, 1946. O. G. Oct. 8. Class 46.

Biddle-Cox Company, Inc., New York, N. Y. Luminous capsules. 424,495; Oct. 8; Serial No. 492,424; published July 2, 1946. Class 50.

Black, M., Manufacturing Company: *See*
Black, Max.

Black, Max, doing business as M. Black Manufacturing Company, Philadelphia, Pa. Photographic lighting equipment. 424,493; Oct. 8; Serial No. 492,354; published July 16, 1946. Class 21.

Boccia, Charles, New York, N. Y. Small cookies. 218,835; renewed Oct. 5, 1946. O. G. Oct. 8. Class 46.

Booth Packing Company, The, to Gibbs & Company, Incorporated, Baltimore, Md. Canned fruits and vegetables. 57,135–6; re-renewed Nov. 6, 1946. O. G. Oct. 8. Class 46.

Boyle-Midway Inc.: *See*—
Gilpin, Langdon & Company, Incorporated.

Brass, Edward A., doing business as Southern Switch & Signal Company, Shreveport, La. Traffic signal lights and electric controllers therefor, etc. 424,443; Oct. 8; Serial No. 483,206; published July 16, 1946. Class 21.

Bridges, John S., doing business as John S. Bridges & Co., to Harry S. Scott, Inc., Baltimore, Md. Printed mailing envelopes, letterheads, billheads, etc. 218,755; renewed Oct. 5, 1946. O. G. Oct. 8. Class 37.

Bridges, John S., doing business as John S. Bridges & Co., to Harry S. Scott, Inc., Baltimore, Md. Printed books, pamphlets, catalogues, etc. 218,764; renewed Oct. 5, 1946. O. G. Oct. 8. Class 38.

Bridges, John S., & Co.: *See*—
Bridges, John S.

Broadway Beverage Corporation, to Sol Lenzner Corporation, Buffalo, N. Y. Nonalcoholic, noncereal, maltless beverages. 208,425; renewed Feb. 2, 1946. O. G. Oct. 8. Class 45.

Buffalo Fire Appliance Corporation, Buffalo, N. Y. Portable hand fire extinguishers. 424,562; Oct. 8. Class 23.

Burg, Fred, doing business as Burg Tool Mfg. Co., Los Angeles, Calif. Holders for drilling, boring, reaming, etc. tools. 424,437; Oct. 8; Serial No. 481,313; published July 16, 1946. Class 23.

Burg Tool Mfg. Co.: *See*—
Burg, Fred.

Butler Brothers: *See*—
American Wholesale Corporation (Baltimore Bargain House).

Butler Optical Company, Milwaukee, Wis. Eyeglass lenses and goggle lenses or glasses. 424,551; Oct. 8. Class 26.

Buttitta, Francesco, doing business as Buttitta Olive Oil Co., Woodlake, Calif. Olives, olive oil, and tomato sauce. 424,532; Oct. 8; Serial No. 495,860; published July 16, 1946. Class 46.

Buttitta Olive Oil Co.: *See*—
Buttitta, Francesco.

Byck Bros. & Company, Incorporated, Louisville, Ky. Ladies' handbags. 424,448; Oct. 8; Serial No. 484,082; published July 16, 1946. Class 3.

Canada Dry Ginger Ale, Incorporated, to Canada Dry Ginger Ale, Incorporated, New York, N. Y. Carbonated table or drinking water. 219,300; renewed Oct. 12, 1946. O. G. Oct. 8. Class 45

Candy Bros. Mfg. Co., to Candy Brothers Manufacturing Company, Incorporated, St. Louis, Mo. Candy. 198,264; renewed May 12, 1945. O. G. Oct. 8. Class 46.

Candy Brothers Manufacturing Company, Incorporated: *See*—
Candy Bros. Mfg. Co.

Candy Products Company, to Candy Products Company, Portland, Oreg. Candy. 211,729; renewed Apr. 20, 1946. O. G. Oct. 8. Class 46.

Carolina Refractories Company, Hartsville, S. C. Furnace linings, fire brick, face brick, etc. 220,447; renewed Nov. 9, 1946. O. G. Oct. 8. Class 12.

Carpenter Steel Company, The, Reading, Pa. Steel in the form of wire, strips, billets, and shapes. 424,558; Oct. 8. Class 14.

Cass, N. D., Co., The, Athol, Mass. Certain articles of furniture. 219,987; renewed Oct. 26, 1946. O. G. Oct. 8. Class 32.

Cavendish Trading Corp., New York, N. Y. Radios, and radio and phonograph combinations. 424,511; Oct. 8; Serial No. 494,653; published July 16, 1946. Class 21.

Celanese Corporation of America, New York, N. Y. Reticular metallic and/or textile base. 424,483; Oct. 8; Serial No. 490,998; published July 2, 1946. Class 50.

Chicago Dietetic Supply House, Inc., The, Chicago, Ill. Weighing scales. 218,862; renewed Oct. 5, 1946. O. G. Oct. 8. Class 26.

Chicago Dietetic Supply House, Inc., The, Chicago, Ill. Washed bran, bran wafers, bran breakfast food, etc. 220,019; renewed Oct. 26, 1946. O. G. Oct. 8. Class 46.

Chippewa Shoe Co.: *See*—
Chippewa Shoe Manufacturing Company.

Chippewa Shoe Manufacturing Company, to Chippewa Shoe Co., Chippewa Falls, Wis. Leather boots and shoes. 220,130; renewed Nov. 2, 1946. O. G. Oct. 8. Class 39.

Church & Dwight Company, to Church & Dwight Co. Inc., New York, N. Y. Bicarbonates of soda. 57,849; re-renewed Nov. 27, 1946. O. G. Oct. 8. Class 6.

Church & Dwight Co. Inc.: *See*—
Church & Dwight Company.

Clipon Sports Corporation: *See*—
Sports Products Corporation.

Coastal Canning Corporation, Philadelphia, Pa. Canned dog food. 424,520–4; Oct. 8; Serial Nos. 495,575–9; published July 16, 1946. Class 46.

Coastal Canning Corporation, Philadelphia, Pa. Canned dog food. 424,525–6; Oct. 8; Serial Nos. 495,581–2; published July 16, 1946. Class 46.

Coastal Canning Corporation, Philadelphia, Pa. Canned dog food. 424,527; Oct. 8; Serial No. 495,584; published July 16, 1946. Class 46.

Cohen, Joseph H., & Sons, Inc.: *See*—
Cohen, Joseph H., & Sons, Vanity Clothes Inc.

Cohen, Joseph H., & Sons, Vanity Clothes Inc., to Joseph H. Cohen & Sons, Inc., New York, N. Y. Trousers. 219,331; renewed Oct. 19, 1946. O. G. Oct. 8. Class 39.

Columbia Phonograph Company, Inc., to Columbia Recording Corporation, Bridgeport, Conn. Phonograph records, phonograph apparatus and parts thereof, etc. 219,539; renewed Oct. 19, 1946. O. G. Oct. 8. Class 36.

Columbia Recording Corporation: *See*—
Columbia Phonograph Company, Inc.

Concord Soya Corporation, Concord, Mich. Stock feed. 424,548; Oct. 8. Class 46.

Consolidated Wholesale Grocery Company: *See*
Egerton Brothers.

Corning Glass Works, Corning, N. Y. Glass containers. 424,425; Oct. 8; Serial No. 453,716; published July 16, 1946. Class 33.

Cosmex Corp., New York, N. Y. Liquid preparation for use as a substitute for soap. 424,555; Oct. 8. Class 4.

Cumberland Macaroni Mfg. Company, Cumberland, Md. Spaghetti, macaroni elbows, and egg noodles. 219,337; renewed Oct. 19, 1946. O. G. Oct. 8. Class 46.

Cushman's Sons, Inc., New York, N. Y. Certain bakery products. 219,053; renewed Oct. 12, 1946. O. G. Oct. 8. Class 46.

Dental-Specialty Manufacturing Co., Inc., The, Denver, Colo. Handpiece lubricant and cleaner. 424,499; Oct. 8; Serial No. 493,433; published July 2, 1946. Class 15.

Dielectric Materials Company: *See*—
Isenberg, Hans D.

Dixie Cup Company, Chicago, Ill. Paper cups. 424,535; Oct. 8; Serial No. 497,785; published July 16, 1946. Class 2.

Dixie Laboratories, The: *See*—
Hinkle, Fred E.

Dixie Laboratories, Inc.: *See*—
Hinkle, Fred E.

Doehler Die Casting Co., assignor to Doehler-Karvis Corporation, New York, N. Y. Metal castings of all nonferrous metals. 424,546; Oct. 8. Class 14.

Doehler-Jarvis Corporation, assignee: *See*—
Doehler Die Casting Co.

Dryden, Frank W., & Sons, Baltimore, Md. Lubricating oils and greases. 424,449; Oct. 8; Serial No. 484,163; published June 25, 1946. Class 15.

Egerton Brothers, to Consolidated Wholesale Grocery Company, Baltimore, Md. Wheat flour. 209,742; renewed Mar. 2, 1946. O. G. Oct. 8. Class 46.

Egerton Brothers, to Consolidated Wholesale Grocery Co., Baltimore, Md. Table and cooking sirups. 210,258; renewed Mar. 16, 1946. O. G. Oct. 8. Class 46.

Eggers Fabric Company, New York, N. Y. Coated fabrics. 424,455–6; Oct. 8; Serial Nos. 485,336–7; published July 9, 1946. Class 50.

Electrical Research Laboratories, Inc., Chicago, to Sentinel Radio Corporation, Evanston, Ill. Radio receiving sets, loud speakers, and reproducing units, etc. 212,709; renewed May 11, 1946. O. G. Oct. 8. Class 21.

Electronic Mechanical Products Company, Atlantic City, N. J. Electronic-mechanical instrument. 424,460; Oct. 8; Serial No. 486,298; published July 16, 1946. Class 26.

Enro Shirt Company, Inc., The, Louisville, Ky. Sport shirts. 214,199; renewed June 15, 1946. O. G. Oct. 8. Class 39.

Enterprise Manufacturing Company, The, Akron, Ohio. Spinners. 219,474; renewed Oct. 19, 1946. O. G. Oct. 8. Class 22.

Evans, Floyd W., doing business as Karbrite Manufacturing Company, Flint, Mich. Cleaning and polishing compound for automobiles, etc. 424,563; Oct. 8. Class 16.

Farmers Friend Mineral Company: *See*—
Meyer, Otto W.

Fashion Park, Inc.: *See*—
Rosenberg Bros. & Co.

Federal Auto Products Company, Chicago, Ill. Hydraulic automotive jacks. 424,577; Oct. 8. Class 23.

Firestone Tire & Rubber Company, The, Akron, Ohio. Sectional air bags for tire repairing. 424,424; Oct. 8; Serial No. 453,597; published July 16, 1946. Class 23.

Folger, J. A., & Company, Kansas City, Mo. Coffee. 424,541; Oct. 8; Serial No. 498,412; published July 16, 1946. Class 46.

Foreman, Edwin H.: *See*—
Peckham-Foreman Inc.

Fox, Samuel, & Company Limited: *See*—
Fox, Samuel, & Co., Limited.

Fox, Samuel, & Co., Limited, Stockbridge Works, near Sheffield, to Samuel Fox & Company Limited, Sheffield, England. Umbrella-frames of metal. 53,902; re-renewed June 12, 1946. O. G. Oct. 8. Class 41.

Fram Corporation, East Providence, R. I. Oil filters. 424,473; Oct. 8; Serial No. 488,401; published July 16, 1946. Class 23.

Frost-Cooked Foods, Inc., Boston, Mass. Cooked food products. 424,571; Oct. 8. Class 46.

Gaebler, Adolph N., doing business as King Manufacturing Company, St. Louis, Mo. Perfumes and face powders. 219,205; renewed Oct. 12, 1946. O. G. Oct. 8. Class 6.

Gallstyn Company, The, New York, N. Y. Glass perfume bottles, table glassware, glass beverage sets, etc. 424,496; Oct. 8; Serial No. 492,434; published July 16, 1946. Class 33.

Giannini, G. M., & Co. Inc., Pasadena, Calif. Potentiometers. 424,570; Oct. 8. Class 26.

Gibbs & Company, Incorporated: *See*—
Booth Packing Company, The.

Gibson, Inc., Kalamazoo, Mich. Stringed musical instruments. 219,149; renewed Oct. 12, 1946. O. G. Oct. 8. Class 36.

Gilpin, Langdon & Company, Incorporated, Baltimore, Md., to Boyle-Midway Inc., New York, N. Y. Vermifuge. 55,607; re-renewed Aug. 21, 1946. O. G. Oct. 8. Class 6.

Golden Nugget Sweets, to Golden Nugget Sweets Ltd., San Francisco, Calif. Candy. 217,930; renewed Sept. 14, 1946. O. G. Oct. 8. Class 46.

Golden Nugget Sweets Ltd.: *See*—
Golden Nugget Sweets.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Blow-out patches for pneumatic vehicle tires. 218,161; renewed Sept. 21, 1946. O. G. Oct. 8. Class 35.

Grand Union Company, The, New York, N. Y. Salad dressing, French dressing, and canned fruits, etc. 424,442; Oct. 8; Serial No. 483,177; published July 16, 1946. Class 46.

Greene, Myles L., doing business as Myles L. Greene & Co., Fort Lauderdale, Fla. Fresh tomatoes. 424,474; Oct. 8; Serial No. 488,587; published July 16, 1946. Class 46.

Greene, Myles L., & Co.: *See*—
Greene, Myles L.

Greenfield Tap and Die Corporation, Greenfield, Mass. Taps and small cutting tools. 424,545; Oct. 8. Class 23.

Gustafson, August W., doing business as Gustafson Manufacturing Co., Corpus Christi, Tex. Dusting machines used in applying insecticidal powders to vegetation. 424,544; Oct. 8. Class 23.

Gustafson Manufacturing Co.: *See*—
Gustafson, August W.

Habitant Shops, Inc., Bay City, Mich. Trestle tables, card tables, corner tables, etc. 424,478; Oct. 8; Serial No. 490,306; published July 16, 1946. Class 32.

Hammel, Riglander & Co., to Hammel, Riglander & Co. Inc., New York, N. Y. Watch glasses and crystals. 220,416; renewed Nov. 9, 1946. O. G. Oct. 8. Class 33.

Hammel, Riglander & Co. Inc.: *See*—
Hammel, Riglander & Co.

Hanlon & Goodman Co., New York, N. Y., and Belleville, N. J., to Hanlon & Goodman Co., Belleville, N. J. Brushes. 217,967; renewed Sept. 14, 1946. O. G. Oct. 8. Class 29.

Hascall, George C., to The Hascall Paint Company, Cleveland, Ohio. Mixed paints. 56,587; re-renewed Oct. 9, 1946. O. G. Oct. 8. Class 16.

Hascall Paint Company, The: *See*—
Hascall, George C.

Hasco Valve and Machine Co., Milwaukee, Wis. Piston type force pumps. 424,504; Oct. 8; Serial No. 493,957; published July 16, 1946. Class 23.

Hayden Company, Kendallville, Ind. Lawn rake. 424,510; Oct. 8; Serial No. 494,502; published July 16, 1946. Class 23.

Hedstrom, Oscar W., Corporation, Chicago, Ill. Drilling jigs. 424,549; Oct. 8. Class 23.

Hely-Arc Model Equipment Co., Akron, Ohio. Wheels for model airplanes. 424,477; Oct. 8; Serial No. 490,065; published July 16, 1946. Class 50.

Hinkle, Fred E., doing business as The Dixie Laboratories, to Dixie Laboratories, Inc., Atlanta, Ga. Scalp and hair rectifier; also shampoo emulsion. 203,506; renewed Sept. 22, 1945. O. G. Oct. 8. Class 6.

Holzapfel, Louis, doing business as Sanitary Supply Company, to The Sanco Products Co., Inc., Greenville, Ohio. Fly killer, deodorizing compound, drainpipe solvent, etc. 219,401; renewed Oct. 19, 1946. O. G. Oct. 8. Class 6.

Honeycup Ice Cream Co., Middlesboro, Ky., to Swift & Company, Chicago, Ill. Ice cream. 207,700; renewed Jan. 5, 1946. O. G. Oct. 8. Class 46.

Hunt Brothers Packing Company, San Francisco, Calif., now by change of name Hunt Foods, Inc. Canned fruits, canned fruit juices, canned fish, etc. 424,552; Oct. 8. Class 46.

Hunt Foods, Inc.: *See*—
Hunt Brothers Packing Company.

Illustrated Soap Co., assignee: *See*—
Illustrated Soap, Inc.

Illustrated Soap, Inc., assignor to Illustrated Soap Co., New York, N. Y. Soap. 424,547; Oct. 8. Class 4.

Industrial Abrasives, Inc., Chicago, Ill. Diamond carrying tools. 424,554; Oct. 8. Class 23.

Industrial Products Company: *See*—
Perkins, William W.

Insley Manufacturing Corporation, Indianapolis, Ind. Lifting cranes mounted on rubber tired automobile truck chassis. 424,575; Oct. 8. Class 23.

International Electric Fence Co.: *See*—
Turk, Richard H.

International Model Aircraft Limited, Merton, London, England. Toy model aircraft. 424,436; Oct. 8; Serial No. 481,111; published July 16, 1946. Class 22.

Isenberg, Hans D., doing business as Dielectric Materials Company, Chicago, Ill. Electrical insulating materials. 424,444; Oct. 8; Serial No. 483,306; published July 16, 1946. Class 21.

Jeffrey Company, The, assignee: *See*—
Jeffrey Manufacturing Company, The.

Jeffrey Manufacturing Company, The, Columbus, Ohio, now by change of name The Jeffrey Company, assignor to The Jeffrey Manufacturing Company. Crushers. 424,439; Oct. 8; Serial No. 481,791; published July 16, 1946. Class 23.

Karbrite Manufacturing Company: *See*—
Evans, Floyd W.

Karnes, E. L., doing business as The Puritol Company, to The E. H. Wright Company, Ltd., Kansas City, Mo. Meat preservative, flavoring, and coloring compound. 167,930; renewed May 8, 1943. O. G. Oct. 8. Class 6.

Kauffmann Department Stores, Inc., Pittsburgh, Pa. Bicycles. 214,341; renewed June 22, 1946. O. G. Oct. 8. Class 19.

Kearfott Engineering Co., New York, N. Y. Rotary motion transmitting apparatus. 424,450; Oct. 8; Serial No. 484,300; published July 16, 1946. Class 23.

Keith Paper Company, Turners Falls, Mass. Writing and printing paper. 424,464; Oct. 8; Serial No. 487,084; published Dec. 25, 1945. Class 37.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 424,468; Oct. 8; Serial No. 487,422; published July 16, 1946. Class 21.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 424,530–1; Oct. 8; Serial Nos. 495,745–6; published July 16, 1946. Class 21.

King Manufacturing Company: *See*—
Gaebler, Adolph N.

Kleinert, I. B., Rubber Company, New York, N. Y. Baby pants. 218,193; renewed Sept. 21, 1946. O. G. Oct. 8. Class 39.

Knapway Devices, Inc., Kansas City, Mo. Vending machines. 424,500; Oct. 8; Serial No. 493,496; published July 16, 1946. Class 23.

Koppers Company, Inc.: *See*—
Tar Products Corporation.

Kress, S. H., & Co., New York, N. Y. Hosiery. 220,453; renewed Nov. 9, 1946. O. G. Oct. 8. Class 39.

Lamb Electric Company, The, Kent, Ohio. Fractional horse power electrical motors. 424,435; Oct. 8; Serial No. 479,850; published July 16, 1946. Class 21.

La Mont Corporation, New York, N. Y. Apparatus for the exchange of heat. 213,076; renewed May 18, 1946. O. G. Oct. 8. Class 34.

Lange Canning Corporation, Eau Claire, Wis. Canned vegetables. 424,540; Oct. 8; Serial No. 498,153; published July 16, 1946. Class 46.

Larré Laboratories, Denver, Colo. Vaginal diaphragm inserters. 424,537; Oct. 8; Serial No. 498,066; published July 16, 1946. Class 44.

Lauer Manufacturing Company, Chicago, Ill. Stove mats and table mats having an asbestos back and a metal top. 424,498; Oct. 8; Serial No. 493,368; published July 16, 1946. Class 50.

Leach & Company: *See*—
Leach, Sydney M.

Leach, Sydney M., doing business as Leach & Company, Toledo, Ohio. Juvenile and nursery furniture. 424,564; Oct. 8. Class 32.

Lee Rubber and Tire Corporation: *See*—
Republic Rubber Company, The.

Lefax, Philadelphia, Pa. Loose-leaf binders, loose-leaf blank books and parts thereof, etc. 218,813; renewed Oct. 5, 1946. O. G. Oct. 8. Class 37.

Le May, Robert L., Omaha, Nebr. Hand painted table glassware. 424,482; Oct. 8; Serial No. 490,952; published July 16, 1946. Class 33.

Lemmer, Sol, Corporation: *See*—
Broadway Beverage Corporation.

Lexington Machinery & Development Co., Inc., Clifton, N. J. Electric toasters. 424,505; Oct. 8; Serial No. 493,971; published July 16, 1946. Class 21.

Liberty Farms Co., San Francisco, Calif. Fresh asparagus. 219,547; renewed Oct. 19, 1946. O. G. Oct. 8. Class 46.

Lindley Box & Paper Company, Marion, Ind. Cardboard containers. 424,556; Oct. 8. Class 2.

Link-Belt Company, Chicago, Ill. Combined electric motor and hydraulic coupling drives. 424,560; Oct. 8. Class 21.

Los Angeles Ice & Cold Storage Co., Los Angeles, to Arrowhead and Puritas Waters, Inc., San Francisco, Calif. Bottled water. 215,186; renewed July 13, 1946. O. G. Oct. 8. Class 45.

Los Angeles Ice & Cold Storage Co., Los Angeles, to Arrowhead and Puritas Waters, Inc., San Francisco, Calif. Distilled water. 215,284; renewed July 13, 1946. O. G. Oct. 8. Class 45.

Lucido Bros. Grocery Co.: *See*—
Lucido Brothers Grocery Co.

Lucido Brothers Grocery Co., Granite City, Ill., to Lucido Bros. Grocery Co., St. Louis, Mo. Canned fruits. 214,332; renewed June 22, 1946. O. G. Oct. 8. Class 46.

Luxor, Limited, to Armour and Company, Chicago, Ill. Complexion powders, compacts, rouges, etc. 215,461; renewed July 20, 1946. O. G. Oct. 8. Class 6.

Madison Woolen Co., Madison, Maine. Woolen piece goods. 220,409; renewed Nov. 9, 1946. O. G. Oct. 8. Class 42.

Madsen Iron Works, Huntington Park, Calif. Self-aligning pump valves and parts thereof. 424,430; Oct. 8; Serial No. 469,409; published July 16, 1946. Class 13.

Manor Record Co., Newark, N. J. Phonograph grooved records. 424,462; Oct. 8; Serial No. 486,796; published July 16, 1946. Class 36.

Markets, Inc., Oakland, Calif. Canned vegetable juices, salad dressing and mayonnaise. 424,543; Oct. 8. Class 46.

Marion Confections Company, New York, N. Y. Candies. 424,433; Oct. 8; Serial No. 471,954; published Sept. 4, 1945. Class 46.

Marshall-Wells Company, Duluth, Minn. Water systems. 424,441; Oct. 8; Serial No. 482,431; published July 16, 1946. Class 23.

Master Electric Company, The, Dayton, Ohio. Electric motors and parts thereof and electric generators and parts thereof. 424,431; Oct. 8; Serial No. 471,266; published July 16, 1946. Class 21.

McKesson & Robbins, to McKesson & Robbins, Incorporated, New York, N. Y. Products of petroleum or preparations containing such products. 56,690; re-renewed Oct. 16, 1946. O. G. Oct. 8. Class 6.

McKesson & Robbins, Incorporated: *See*—
McKesson & Robbins.

McQuay-Norris Manufacturing Company, St. Louis, Mo. Engine bearings. 424,458; Oct. 8; Serial No. 485,876; published July 9, 1946. Class 23.

Meyer, Otto W., doing business as Farmers Friend Mineral Company, Napoleon, Ohio. Mineral feed for livestock, poultry, and fur bearing animals. 424,533; Oct. 8; Serial No. 496,255; published July 16, 1946. Class 46.

Meyerson, Sidney, doing business as United Plastic Mfg. Co., New York, N. Y. Toy plastic coin banks. 424,536; Oct. 8; Serial No. 498,017; published July 16, 1946. Class 22.

Michaels & Co., Inc., Brooklyn, N. Y. Crockery, earthenware, and porcelain, etc. 424,489; Oct. 8; Serial No. 492,071; published June 25, 1946. Class 30.

Millerd, Francis, and Company Limited, Vancouver, British Columbia, Canada. Canned fish. 424,492; Oct. 8; Serial No. 492,215; published July 16, 1946. Class 46.

Mills, Dennis, doing business as Uncle Sam Produce, New York, N. Y. Celery. 424,428; Oct. 8; Serial No. 467,345; published Nov. 7, 1944. Class 46.

Molded Insulation Company, Philadelphia, Pa. Radio home receiving sets. 424,517; Oct. 8; Serial No. 495,322; published July 9, 1946. Class 21.

Monsanto Chemical Company: *See*—
Rubber Service Laboratories Company, The.

Moore, L. H., Canning Co.: *See*—
Moore, Lewis H.

Moore, Lewis H., doing business as L. H. Moore Canning Co., McAllen, Tex. Canned fruits and vegetables. 424,561; Oct. 8. Class 46.

Morgan's, Enoch, Sons Company, New York, N. Y. Cleansing or scouring compound. 56,811; re-renewed Oct. 23, 1946. O. G. Oct. 8. Class 4.

Mueller, Carl C., doing business as The Peerless Manufacturing Co., Washington, D. C., to Phoebe Phelps Caramel Company, Boston, Mass. Chewing gum. 217,577; renewed Sept. 7, 1946. O. G. Oct. 8. Class 46.

Mueller, Henry J., Nashville, Ill. Ointments for certain ailments. 219,658; renewed Oct. 19, 1946. O. G. Oct. 8. Class 6.

Mulford, H. K., Company, Philadelphia, Pa. Alkaline antiseptic and deodorant mouth and tooth wash. 54,618; re-renewed June 26, 1946. O. G. Oct. 8. Class 6.

Mulford, H. K., Company, to Sharp & Dohme, Incorporated, Philadelphia, Pa. Compressed tablets. 213,761; renewed June 1, 1946. O. G. Oct. 8. Class 6.

Myers, F. E., & Brother, to The F. E. Myers & Bro. Co., Ashland, Ohio. Hay-carriers. 56,933; re-renewed Oct. 23, 1946. O. G. Oct. 8. Class 23.

Myers, F. E., & Bro. Co., The: *See*—
Myers, F. E., & Brother.

Nash, Daniel J., doing business as Nash Manufacturing Co., Jersey City, N. J. Billfolds, purses, handbags, etc. 424,553; Oct. 8. Class 3.

Nash Manufacturing Co.: *See*—
Nash, Daniel J.

National City Dairy Company: *See*—
Whitford, E. O., Company, The.

National Malleable Castings Company, The, to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway-car castings. 55,135; re-renewed Aug. 7, 1946. O. G. Oct. 8. Class 14.

National Malleable and Steel Castings Company: *See*—
National Malleable Castings Company, The.

Newark Luggage Co.: *See*—
Arons, Herman.

New Standard Corporation, Mount Joy, Pa. Pick-up rakes. 424,515; Oct. 8; Serial No. 495,089; published July 9, 1946. Class 23.

New York Air Brake Company, The, Watertown, N. Y. Master cylinders. 424,519; Oct. 8; Serial No. 495,555; published July 9, 1946. Class 23.

Northern Iowa Oil Company, Cresco, Iowa. Gasoline, kerosene, fuel oil, etc. 220,339; renewed Nov. 9, 1946. O. G. Oct. 8. Class 15.

Northwest Chemurgy Co-Operative, Wenatchee, Wash. Table syrup. 424,534; Oct. 8.; Serial No. 497,677; published July 16, 1946. Class 46.

Oakite Products, Inc., assignee: *See*—
Oakley Chemical Co.

Oakley Chemical Co., assignor to Oakite Products, Inc., to Oakite Products, Inc., New York, N. Y. General cleansing and washing compound. 218,727; renewed Oct. 5, 1946. O. G. Oct. 8. Class 4.

Oppenheim & McEwan Co., Inc., Albany, N. Y. Canned vegetables and tomato catchup. 424,445; Oct. 8; Serial No. 483,694; published July 16, 1946. Class 46.

Oscar Schmidt-International, Incorporated, Jersey City, N. J. Zithers. 424,491; Oct. 8; Serial No. 492,157; published June 25, 1946. Class 36.

Ostrom, C. W., doing business as Ostrom Mushroom Co., Seattle, Wash. Mushrooms, mushroom soup, mushrooms in cream, etc. 424,550; Oct. 8. Class 24.

Ostrom Mushroom Co.: *See*—
Ostrom, C. W.

Otis Elevator Company, Jersey City, N. J., and New York, N. Y., to Otis Elevator Company, New York, N. Y. Elevators, escalators, endless carriers, etc. 219,894; renewed Oct. 26, 1946. O. G. Oct. 8. Class 23.

Oxweld Acetylene Company, to Union Carbide and Carbon Corporation, New York, N. Y. Welding fluxes. 219,699; renewed Oct. 19, 1946. O. G. Oct. 8. Class 6.

Oxweld Acetylene Company, to Union Carbide and Carbon Corporation, New York, N. Y. Acetylene welding and cutting apparatus and parts thereof. 220,133; renewed Nov. 2, 1946. O. G. Oct. 8. Class 34.

Pacific Food Products Company, to Pacific Food Products Company, Seattle, Wash. Jams, jellies, peanut butter, etc. 218,808; renewed Oct. 5, 1946. O. G. Oct. 8. Class 46.

Pacific Mills, Lawrence, Mass., to Pacific Mills, New York, N. Y. Dyed and printed all wool and cotton warp piece goods and dyed and printed cotton piece goods. 55,704; re-renewed Aug. 21, 1946. O. G. Oct. 8. Class 42.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils and greases. 216,371; renewed Aug. 10, 1946. O. G. Oct. 8. Class 15.

Park Lane Plastics Co., New York, N. Y. Ladies', misses', and children's handbags. 424,581; Oct. 8. Class 3.

Patrick, John L., Los Angeles, Calif. Lubricating oil. 424,465; Oct. 8; Serial No. 487,202; published June 25, 1946. Class 15.

Peckham-Foreman Inc., to E. H. Foreman, New York, N. Y. Bathing suits; bathing shirts, trunks, etc. 213,319; renewed May 25, 1946. O. G. Oct. 8. Class 39.

Peckham-Foreman Inc., to E. H. Foreman, New York, N. Y. Knit articles of wearing apparel. 213,963; renewed June 8, 1946. O. G. Oct. 8. Class 39.

Peerless Manufacturing Co., The: *See*—
Mueller, Carl C.

Pendleton Woolen Mills, Portland, Oreg. Blankets of cotton and woolen materials. 215,591; renewed July 20, 1946. O. G. Oct. 8. Class 42.

Perkins, William W., doing business as Industrial Products Company, Wakefield, Mass. Graphite wads sold in ribbon form. 424,469; Oct. 8; Serial No. 487,521; published July 16, 1946. Class 15.

Permutit Company, The, New York, N. Y. Industrial and/or municipal apparatus. 424,426; Oct. 8; Serial No. 459,013; published July 16, 1946. Class 23.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic motor-vehicle tires and inner tubes. 218,866; renewed Oct. 5, 1946. O. G. Oct. 8. Class 35.

Phelps, Phoebe, Caramel Company: *See*—
Mueller, Carl C.

Pomona Manufacturing Company: *See*—
Pomona Mills Inc.

Pomona Mills Inc., Greensboro, to Pomona Manufacturing Company, Pomona, N. C. Cotton piece goods. 220,380; renewed Nov. 9, 1946. O. G. Oct. 8. Class 42.

Poor, Nathan H., Company, Peabody, Mass. Unimpregnated cleaning and polishing cloths. 219,066; renewed Oct. 12, 1946. O. G. Oct. 8. Class 29.

Popper, Gray & Co., to Popper, Gray & Co. Inc., New York, N. Y. Cheese. 56,831; re-renewed Oct. 23, 1946. O. G. Oct. 8. Class 46.

Popper, Gray & Co. Inc.: *See*—
Popper, Gray & Co.

Puritol Company, The: *See*—
Karnes, E. L.

Purox Company, Denver, Colo., to Union Carbide and Carbon Corporation, New York, N. Y. Oxygen, hydrogen, and acetylene gases. 216,352; renewed Aug. 10, 1946. O. G. Oct. 8. Class 6.

Pyraglass, Inc., Newburgh, N. Y. Advertising display signs and art panels and pictures. 220,125; renewed Nov. 2, 1946. O. G. Oct. 8. Class 50.

Quaker City Chocolate and Confectionery Company, Philadelphia, Pa. Hard and soft candy. 57,604–5; re-renewed Nov. 13, 1946. O. G. Oct. 8. Class 46.

Quaker Oats Company, The, Chicago, Ill. Wheat flour. 424,470; Oct. 8; Serial No. 488,124; published July 16, 1946. Class 46.

Queen City Cutlery Company, Titusville, Pa. Pen knives, shears, kitchen knives, etc. 424,480; Oct. 8; Serial No. 490,447; published July 16, 1946. Class 23.

Radbord Bros., Pittsburgh, Pa. Men's and boys' dress, negligee, and work shirts and blouses. 219,134; renewed Oct. 12, 1946. O. G. Oct. 8. Class 39.

Ralston Purina Company, assignee: *See*—
Taylor Milling Corporation.

Red Devil Tools, Irvington, N. J. Electric fencers, electric paint conditioners, electric paint mixers, etc. 424,479; Oct. 8; Serial No. 490,398; published July 16, 1946. Class 21.

Remington Rand Inc., Buffalo, N. Y. Filing racks. 424,452; Oct. 8; Serial No. 484,359; published Sept. 25, 1945. Class 32.

Republic Coal and Coke Company, Chicago, Ill. Coal. 218,760; renewed Oct. 5, 1946. O. G. Oct. 8. Class 1.

Republic Rubber Company, The, to Lee Rubber and Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Rubber-tile flooring. 218,429; renewed Sept. 28, 1946. O. G. Oct. 8. Class 12.

Republic Rubber Company, The, to Lee Rubber and Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Rubber and rubber-fabric hose. 218,479; renewed Sept. 28, 1946. O. G. Oct. 8. Class 35.

Republic Rubber Division: *See*—
Lee Rubber and Tire Corporation.
Republic Rubber Company, The.

Revoc, Inc., New York, N. Y. Articles made of glass. 424,472; Oct. 8; Serial No. 488,374; published July 9, 1946. Class 33.

Rex Cutlery Corporation, Irvington, N. J. Household scissors, sewing scissors, pocket scissors, etc. 424,559; Oct. 8. Class 23.

Rice, C. M., Paper Company, Portland, Maine. Bond paper, ledger paper, writing paper, and cardboard. 218,895; renewed Oct. 5, 1946. O. G. Oct. 8. Class 37.

Roasted Shell Eggs, Inc., Boston, Mass. Preserved eggs. 424,557; Oct. 8. Class 46.

Robins, G. S., & Company, St. Louis, Mo. Acetone, benzol, carbon tetrachloride, etc. 219,174; renewed Oct. 12, 1946. O. G. Oct. 8. Class 6.

Roditi, D., & Sons, Inc., New York, N. Y. Pocketbooks, brief cases, portfolios, etc. 424,538; Oct. 8; Serial No. 498,081; published July 16, 1946. Class 3.

Rogers Imports Inc., New York, N. Y. Billfolds. 424,566; Oct. 8. Class 3.

Rogers Imports Inc., New York, N. Y. Wallets. 424,567; Oct. 8. Class 3.

Rosenberg Bros. & Co., to Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 218,194; renewed Sept. 21, 1946. O. G. Oct. 8. Class 39.

Rubber Service Laboratories Company, The, Akron, Ohio, to Monsanto Chemical Company, St. Louis, Mo. Ore concentration and flotation agent. 220,448; renewed Nov. 9, 1946. O. G. Oct. 8. Class 6.

Russell & Stoll Company, Inc., New York, N. Y. Electrical supervisory alarm signalling apparatus. 424,459; Oct. 8; Serial No. 485,887; published July 16, 1946. Class 21.

Sacks-Barlow Foundries, Inc.: *See*—
Sacks, Louis.

Sacks, Louis, to Sacks-Barlow Foundries, Inc., Newark, N. J. Heel-plates for boots and shoes. 56,506; re-renewed Oct. 2, 1946. O. G. Oct. 8. Class 13.

Sanco Products Co., Inc., The: *See*—
Holzapfel, Louis.

Sanitary Supply Company: *See*—
Holzapfel, Louis.

Santa Maria Distributors, Santa Maria, Calif. Fresh vegetables. 424,528–9; Oct. 8; Serial Nos. 495,696–7; published July 16, 1946. Class 46.

Sapun Ceramics, Inc., New York, N. Y. Articles of chinaware. 424,573; Oct. 8. Class 30.

Scott, Harry S., Inc.: *See*—
Bridges, John S.

Sentinel Radio Corporation: *See*—
Electrical Research Laboratories, Inc.

Sharp & Dohme, Incorporated: *See*—
Mulford, H. K., Company.

Shearer's Dried Milk Products Corporation, Philadelphia, Pa. Swine and poultry feeds. 424,501; Oct. 8; Serial No. 493,832; published July 16, 1946. Class 46.

Shur-Antenna-Mount, Inc., Sea Cliff, N. Y. Transmitting and receiving radio antennas. 424,481; Oct. 8; Serial No. 490,709; published July 16, 1946. Class 21.

Sipe, James B., & Company, Pittsburgh, Pa. Mixed and paste paints. 218,439; renewed Sept. 28, 1946. O. G. Oct. 8. Class 16.

Sipe, James B., & Company, Pittsburgh, Pa. Ready-mixed lacquer. 218,650–1; renewed Sept. 28, 1946. O. G. Oct. 8. Class 16.

Sipe, James B., & Company, Pittsburgh, Pa. Mixed and paste paint. 218,675; renewed Sept. 28, 1946. O. G. Oct. 8. Class 16.

Smith, A. O., Corporation, Milwaukee, Wis. Electric welding apparatus. 424,432; Oct. 8; Serial No. 471,762; published July 16, 1946. Class 21.

Society for Visual Education, Inc., Chicago, Ill. Protection screens. 424,576; Oct. 8. Class 26.

Sonard Corporation, Cleveland, Ohio. Lubricating oils. 424,487; Oct. 8; Serial No. 491,371; published June 25, 1946. Class 15.

Southern Supply Co., Pasadena, Calif. Cleaning guns. 424,461; Oct. 8; Serial No. 486,506; published July 9, 1946. Class 23.

Southern Switch & Signal Company: *See*—
Brass, Edward A.

Spalding, A. G., & Bros., New York, N. Y., to A. G. Spalding & Bros. Inc., Chicopee, Mass. Certain named implements, apparatus, and articles used in athletic games and sports. 56,737–8; re-renewed Oct. 16, 1946. O. G. Oct. 8. Class 22.

Spalding, A. G., & Bros. Inc.: *See*—
Spalding, A. G., & Bros.

Sports Products Corporation, New York, N. Y., assignor to Clipon Sports Corporation. Supports for golf bags. 424,565; Oct. 8. Class 22.

Spruance, Gilbert, Co., The, Philadelphia, Pa. Lacquers. 219,333; renewed Oct. 19, 1946. O. G. Oct. 8. Class 16.

Squire, John P., & Company, Boston and Cambridge, Mass., to Swift & Company, Chicago, Ill. Lard, sausages, bacon, etc. 56,929; re-renewed Oct. 23, 1946. O. G. Oct. 8. Class 46.

Staley, A. E., Manufacturing Company, Decatur, Ill. Starch. 219,693; renewed Oct. 19, 1946. O. G. Oct. 8. Class 6.

Staley, A. E., Manufacturing Company, Decatur, Ill. Stock feed. 219,972; renewed Oct. 26, 1946. O. G. Oct. 8. Class 46.

Stamping Service, Inc., Detroit, Mich. Unitary combination mechanical brush and dustpan. 424,502; Oct. 8; Serial No. 493,843; published July 16, 1946. Class 23.

Statler Mfg. Co.: *See*—
Statler Merchandise Company.

Statler Merchandise Company, assignor to Statler Mfg. Co., Chicago, Ill. Synthetic plastics in granular, sheet, tube, and rod form, etc. 424,574; Oct. 8. Class 1.

Stein, Harry, doing business as Ace Sample Card Co., New York, N. Y. Textile sample cards. 424,497; Oct. 8; Serial No. 492,528; published July 16, 1946. Class 50.

Stimpson, Edwin B., Company, to Edwin B. Stimpson Company, Inc., Brooklyn, N. Y. Metal stampings from all metals and for all purposes, etc. 214,955; renewed July 6, 1946. O. G. Oct. 8. Class 14.

Stimpson, Edwin B., Company, to Edwin B. Stimpson, Inc., Brooklyn, N. Y. Metal stampings from all metals and for all purposes, etc. 216,343; renewed Aug. 10, 1946. O. G. Oct. 8. Class 14.

Stimpson, Edwin B., Company, Inc.: *See*—
Stimpson, Edwin B., Company.

Stokes Bros. Manufacturing Co., Freehold, N. J. Rasps and files. 424,471; Oct. 8; Serial No. 488,288; published July 16, 1946. Class 23.

Stout Control Foundations Inc., New York, N. Y. Ladies' corselets and brassières. 424,579; Oct. 8. Class 39.

Strietmann Biscuit Co., The, Cincinnati, Ohio, to United Biscuit Company of America, Chicago, Ill. Crackers. 217,591; renewed Sept. 7, 1946. O. G. Oct. 8. Class 46.

Strombeck Press Inc., Moline, Ill. Writing paper and envelopes. 424,429; Oct. 8; Serial No. 469,314; published July 31, 1945. Class 37.

Sun Oil Company, Philadelphia, Pa. Lubricating oils. 424,506–9; Oct. 8; Serial Nos. 494,372–5; published July 16, 1946. Class 15.

Sunny Mountain Orange Co., Riverside, Calif. Oranges, tangerines, grapefruit. 220,496; renewed Nov. 9, 1946. O. G. Oct. 8. Class 46.

Swift & Company: *See*—
Honeycup Ice Cream Co.
Squire, John P., & Company.

Tanglefoot Company, The, Grand Rapids, Mich. Electrically heated atomizer. 424,466; Oct. 8; Serial No. 487,218; published July 16, 1946. Class 21.

Tar Products Corporation, Providence and East Providence, R. I., to Koppers Company, Inc., Pittsburgh, Pa. Insecticide. 215,884; renewed July 27, 1946. O. G. Oct. 8. Class 6.

Tar Products Corporation, Providence and East Providence, R. I., to Koppers Company, Inc., Pittsburgh, Pa. Insecticide. 215,895; renewed July 27, 1946. O. G. Oct. 8. Class 6.
Taylor Milling Corporation, Los Angeles, Calif., assignor to Ralston Purina Company, St. Louis, Mo. Cattle feed. 424,453; Oct. 8; Serial No. 484,508; published Mar. 12, 1946. Class 46.
Testing Apparatus, Inc., Detroit, Mich. Testing devices for vehicle wheels. 424,427; Oct. 8; Serial No. 460,129; published May 22, 1945. Class 26.
Textileather Corporation, Toledo, Ohio. Treated material in the nature of artificial leather. 424,457; Oct. 8; Serial No. 485,705; published July 16, 1946. Class 50.
Thayer, Henry, & Co., Inc., Cambridge, Mass. Medicinal confection. 217,076; renewed Aug. 24, 1946. O. G. Oct. 8. Class 6.
Theonett & Co., Chicago, Ill. Candy, ice cream, and frozen confections. 218,821; renewed Oct. 5, 1946. O. G. Oct. 8. Class 46.
Thomas Products, Inc., to Irving U. Townsend, Jr., trustee, Boston, Mass. Serviettes. 212,267; renewed Apr. 27, 1946. O. G. Oct. 8. Class 44.
Thurston Cutting Corporation, to W. Harris Thurston, Inc., New York, N. Y. Typewriter ribbons. 212,732; renewed May 11, 1946. O. G. Oct. 8. Class 11.
Thurston, W. Harris, Inc.: *See*—
Thurston Cutting Corporation.
Townsend, Irving U., Jr., trustee: *See*—
Thomas Products, Inc.
Towse Publishing Co., New York, N. Y. Weekly journal. 57,008; re-renewed Oct. 30, 1946. O. G. Oct. 8. Class 38.
Toy Town Corporation, New York, N. Y. Plastic toy banks. 424,484; Oct. 8; Serial No. 491,180; published July 16, 1946. Class 22.
Traverse City Canning Co., Traverse City, Mich. Canned fruits. 220,524; renewed Nov. 9, 1946. O. G. Oct. 8. Class 46.
Tupper, Earl S., assignor to Tupper Plastics, Inc., Farnumsville, Mass. Molded plastic cocktail spoons, forks, spears, etc. 424,494; Oct. 8; Serial No. 492,405; published July 16, 1946. Class 23.
Tupper Plastics, Inc., assignee: *See*—
Tupper, Earl S.
Turk, Richard H., doing business as International Electric Fence Co., Chicago, Ill. Electric fences. 424,467; Oct. 8; Serial No. 487,342; published July 16, 1946. Class 21.
Udylite Corporation, The: *See*—
Udylite Process Company.
Udylite Process Company, Kokomo, Ind., to The Udylite Corporation, Detroit, Mich. Test sets and testing equipment. 220,590; renewed Nov. 9, 1946. O. G. Oct. 8. Class 26.
Uncle Sam Produce: *See*—
Mills, Dennis.
Union Carbide and Carbon Corporation: *See*—
Oxweld Acetylene Company.
Purox Company.
United Biscuit Company of America: *See*—
Strietmann Biscuit Co., The.
United Plastic Mfg. Co.: *See*—
Meyerson, Sidney.
United States Products Corporation, Ltd., San Jose, Calif. Canned fruits and canned vegetables. 424,572; Oct. 8. Class 46.
United States Radium Corporation, New York, N. Y. Static eliminators. 424,518; Oct. 8; Serial No. 495,347; published July 9, 1946. Class 21.
Vogel, Elias H., Lancaster, Pa. Fresh deciduous fruits. 219,759; renewed Oct. 26, 1946. O. G. Oct. 8. Class 46.
Wallace, Burton & Davis Co., Inc., New York, N. Y. Dessert pudding powders. 424,539; Oct. 8; Serial No. 498,098; published July 16, 1946. Class 46.
Wallace & Tiernan Co., Inc., Belleville, N. J. Combined portable pump and filter units. 424,476; Oct. 8; Serial No. 489,839; published July 16, 1946. Class 31.
Webb Manufacturing Company, Trussville, Ala. Popcorn. 424,485; Oct. 8; Serial No. 491,296; published Mar. 26, 1946. Class 46.
Weber, F., Co., Philadelphia, Pa. Artists' school and show-card colors; artists' oils, varnishes, etc. 220,190; renewed Nov. 2, 1946. O. G. Oct. 8. Class 16.
Weill, Charles, Inc.: *See*—
Weill & Hartmann.
Weill & Hartmann, to Charles Weill, Inc., New York, N. Y. Ladies' and misses' hats, dresses, coats, etc. 216,916; renewed Aug. 24, 1946. O. G. Oct. 8. Class 39.
Wells Lamont Corporation: *See*—
Wells-Lamont Manufacturing Co.
Wells-Lamont Manufacturing Co., Minneapolis, Minn., to Wells Lamont Corporation, Chicago, Ill. Knitted and woven fabric gloves with or without leather facings. 219,164–5; renewed Oct. 12, 1946. O. G. Oct. 8. Class 39.
Wells-Lamont Manufacturing Co., Minneapolis, Minn., to Wells Lamont Corporation, Chicago, Ill. Knitted and woven fabric gloves with or without leather facings. 219,876; renewed Oct. 26, 1946. O. G. Oct. 8. Class 39.
Western Oregon Packing Corporation, Corvallis, Oreg. Canned fruits, berries, and vegetables. 219,067; renewed Oct. 12, 1946. O. G. Oct. 8. Class 46.
Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Ready-mixed paints. 216,611; renewed Aug. 17, 1946. O. G. Oct. 8. Class 16.
Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Ready-mixed lacquers. 216,724; renewed Aug. 17, 1946. O. G. Oct. 8. Class 16.
White, S. S., Dental Manufacturing Company, The: *See*—
White, S. S., Dental Mfg. Co., The.
White, S. S., Dental Mfg. Co., The, Philadelphia, Pa., Chicago, Ill., New York, Brooklyn, and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Wax. 53,258; re-renewed May 29, 1946. O. G. Oct. 8. Class 44.
White, S. S., Dental Mfg. Co., The, Philadelphia, Pa., Chicago, Ill., New York, Brooklyn, and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Tooth-paste. 53,359; re-renewed May 29, 1946. O. G. Oct. 8. Class 6.
Whitford, E. O., Company, The, to National City Dairy Company, Washington, D. C. Butter. 51,287; re-renewed Apr. 10, 1946. O. G. Oct. 8. Class 46.
Wood, John, Manufacturing Company, Inc.: *See*—
Bennett Pumps Corporation.
Woodhead, Daniel, Company, Chicago, Ill. Handle and guard for portable electric lamps. 219,779; renewed Oct. 26, 1946. O. G. Oct. 8. Class 21.
Worley, John, Jewel Company, Waltham, Mass. Thread guides made of sapphire, ruby, corundum, etc. 424,568; Oct. 8. Class 23.
Wright, E. H., Company, Ltd., The: *See*—
Karnes, E. L.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay, Modeling. American Crayon Company. 220,196; renewed Nov. 2, 1946. O. G. Oct. 8.
Coal. Republic Coal and Coke Company. 218,760; renewed Oct. 5, 1946. O. G. Oct. 8.
Plastics in granular, sheet, tube, and rod form, etc. Statler Merchandise Company. 424,574; Oct. 8.

CLASS 2

Bags and sacks, Paper. Bemis Bro. Bag Company. 424,440; Oct. 8; Serial No. 482,131; published July 24, 1945.
Containers, Cardboard. Lindley Box & Paper Company. 424,556; Oct. 8.
Cups, Paper. Dixie Cup Company. 424,535; Oct. 8; Serial No. 497,785; published July 16, 1946.

CLASS 3

Billfolds. Rogers Imports Inc. 424,566; Oct. 8.
Billfolds, purses, handbags, etc. D. J. Nash. 424,553; Oct. 8.
Handbags, Ladies'. Byck Bros. & Company, Incorporated. 424,448; Oct. 8; Serial No. 484,082; published July 16, 1946.
Handbags, Ladies', misses', and children's. Park Lane Plastics Co. 424,581; Oct. 8.
Pocketbooks, brief cases, portfolios, etc. D. Roditi & Sons, Inc. 424,538; Oct. 8; Serial No. 498,081; published July 16, 1946.
Suitcases, trunks, and bags. H. Arons. 215,258; renewed Aug. 10, 1946. O. G. Oct. 8.
Wallets. Rogers Imports Inc. 424,567; Oct. 8.

CLASS 4

Cleansing and washing compound, General. Oakley Chemical Co. 218,727; renewed Oct. 5, 1946. O. G. Oct. 8.
Cleansing or scouring compound. Enoch Morgan's Sons Company. 56,811; re-renewed Oct. 23, 1946. O. G. Oct. 8.
Liquid preparation for use as a substitute for soap. Cosmex Corp. 424,555; Oct. 8.
Soap. Armour and Company. 218,958; renewed Oct. 5, 1946. O. G. Oct. 8.
Soap. Illustrated Soap, Inc. 424,547; Oct. 8.

CLASS 6

Acetone, benzol, carbon tetrachloride, etc. G. S. Robins & Company. 219,174; renewed Oct. 12, 1946. O. G. Oct. 8.
Bicarbonates of soda. Church & Dwight Company. 57,849; re-renewed Nov. 27, 1946. O. G. Oct. 8.
Confection, Medicinal. Henry Thayer & Co., Inc. 217,076; renewed Aug. 24, 1946. O. G. Oct. 8.

Fly killer, deodorizing compound, drainpipe solvent, etc. L. Holzapfel. 219,401; renewed Oct. 19, 1946. O. G. Oct. 8.
Gases, Oxygen, hydrogen, and acetylene. Purox Company. 216,352; renewed Aug. 10, 1946. O. G. Oct. 8.
Insecticide. Tar Products Corporation. 215,884; renewed July 27, 1946. O. G. Oct. 8.
Insecticide. Tar Products Corporation. 215,895; renewed July 27, 1946. O. G. Oct. 8.
Laxative pills, arsenated iron tablets, indigestion treatment, etc. C. K. Baer. 212,757; renewed May 11, 1946. O. G. Oct. 8.
Meat preservative, flavoring, and coloring compound. E. L. Karnes. 167,930; renewed May 8, 1943. O. G. Oct. 8.
Mouth and tooth wash, Alkaline antiseptic and deodorant. H. K. Mulford Company. 54,618; re-renewed June 26, 1946. O. G. Oct. 8.
Ointment for certain ailments. Henry J. Mueller. 219,658; renewed Oct. 19, 1946. O. G. Oct. 8.
Ore concentration and flotation agent. Rubber Service Laboratories Company. 220,448; renewed Nov. 9, 1946. O. G. Oct. 8.
Perfumes and face powders. A. N. Gaebler. 219,205; renewed Oct. 12, 1946. O. G. Oct. 8.
Petroleum or preparations containing such products, Products of McKesson & Robbins. 56,690; re-renewed Oct. 16, 1946. O. G. Oct. 8.
Powders, compacts, rouges, etc., Complexion. Luxor, Limited. 215,461; renewed July 20, 1946. O. G. Oct. 8.
Rectifier; also shampoo emulsion, Scalp and hair. F. E. Hinkle. 203,506; renewed Sept. 22, 1945. O. G. Oct. 8.
Starch. A. E. Staley Manufacturing Company. 219,693; renewed Oct. 19, 1946. O. G. Oct. 8.
Tablets, Compressed. H. K. Mulford Company. 213,761; renewed June 1, 1946. O. G. Oct. 8.
Tooth-paste. S. S. White Dental Mfg. Co. 53,359; re-renewed May 29, 1946. O. G. Oct. 8.
Vermifuge. Gilpin, Langdon & Company, Incorporated. 55,607; re-renewed Aug. 21, 1946. O. G. Oct. 8.
Welding fluxes. Oxweld Acetylene Company. 219,699; renewed Oct. 19, 1946. O. G. Oct. 8.

CLASS 7

Rope, cord, lines, and twine. American Manufacturing Company. 57,434; re-renewed Nov. 13, 1946. O. G. Oct. 8.

CLASS 11

Ink in paste form, Writing and printing. American Crayon Company. 219,746; renewed Oct. 26, 1946. O. G. Oct. 8.
Typewriter ribbons. Thurston Cutting Corporation. 212,732; renewed May 11, 1946. O. G. Oct. 8.

CLASS 12

Brick. Acme Brick Company. 219,422; renewed Oct. 19, 1946. O. G. Oct. 8.
Flooring, Rubber-tile. Republic Rubber Company. 218,429; renewed Sept. 28, 1946. O. G. Oct. 8.
Jackets for water heaters and boilers Asbestos felt. Bastian-Morley Co. 218,182; renewed Sept. 21, 1946. O. G. Oct. 8.
Linings, fire bricks, face bricks, etc., Furnace. Caroline Refractories Company. 220,447; renewed Nov. 9, 1946. O. G. Oct. 8.

CLASS 13

Fencing, Woven-wire. American Steel and Wire Company. 53,740; re-renewed June 12, 1946. O. G. Oct. 8.
Heel-plates for boots and shoes. L. Sacks. 56,506; re-renewed Oct. 2, 1946. O. G. Oct. 8.
Valves and parts thereof, Self-aligning pump. Madsen Iron Works. 424,430; Oct. 8; Serial No. 469,409; published July 16, 1946.

CLASS 14

Castings made of all non-ferrous metals, Metal. Doehler Die Casting Co. 424,546; Oct. 8.
Castings, Railway-car. National Malleable Castings Company. 55,135; re-renewed Aug. 7, 1946. O. G. Oct. 8.
Stampings from all metals and for all purposes, etc., Metal. Edwin B. Stimpson Company. 214,955; renewed July 6, 1946. O. G. Oct. 8.
Stampings from all metals and for all purposes, etc., Metal. Edwin B. Stimpson Company. 216,343; renewed Aug. 10, 1946. O. G. Oct. 8.
Steel in the form of wire, strips, billets and shapes. Carpenter Steel Company. 424,558; Oct. 8.

CLASS 15

Gasoline, kerosene, fuel oil, etc. Northern Iowa Oil Company. 220,339; renewed Nov. 9, 1946. O. G. Oct. 8.
Graphite wads sold in ribbon form. W. W. Perkins. 424,469; Oct. 8; Serial No. 487,521; published July 16, 1946.
Lubricant and cleaner, Handpiece. Dental-Specialty Manufacturing Co. 424,499; Oct. 8; Serial No. 493,433; published July 2, 1946.
Oil, Lubricating. J. L. Patrick. 424,465; Oct. 8; Serial No. 487,202; published June 25, 1946.
Oils and greases, Lubricating. Frank W. Dryden & Sons. 424,449; Oct. 8; Serial No. 484,163; published June 25, 1946.
Oils and greases, Lubricating. Panther Oil & Grease Mfg. Co. 216,371; renewed Aug. 10, 1946. O. G. Oct. 8.
Oils, Lubricating. Sonard Corporation. 424,487; Oct. 8; Serial No. 491,371; published June 25, 1946.
Oils, Lubricating. Sun Oil Company. 424,506–9; Oct. 8; Serial Nos. 494,372–5; published July 16, 1946.

CLASS 16

Cleaning and polishing compound for automobiles, etc. F. W. Evans. 424,563; Oct. 8.
Colors; artists' oils, varnishes, etc., Artists' school, and show-card. F. Weber Co. 220,190; renewed Nov. 2, 1946. O. G. Oct. 8.
Lacquer, Ready-mixed. James B. Sipe & Company. 218,650–1; renewed Sept. 28, 1946. O. G. Oct. 8.
Lacquers. Gilbert Sprucance Co. 219,333; renewed Oct. 19, 1946. O. G. Oct. 8.
Lacquers, Ready-mixed. Geo. D. Wetherill & Co., Inc. 216,724; renewed Aug. 17, 1946. O. G. Oct. 8.
Paint, Mixed and paste. James B. Sipe & Company. 218,675; renewed Sept. 28, 1946. O. G. Oct. 8.
Paints, Mixed. G. C. Hascall. 56,587; re-renewed Oct. 9, 1946. O. G. Oct. 8.
Paints, Mixed and paste. James B. Sipe & Company. 218,439; renewed Sept. 28, 1946. O. G. Oct. 8.
Paints, Ready-mixed. Geo. D. Wetherill & Co., Inc. 216,611; renewed Aug. 17, 1946. O. G. Oct. 8.

CLASS 19

Bicycles. Kauffmann Department Stores, Inc. 214,341; renewed June 22, 1946. O. G. Oct. 8.

CLASS 21

Atomizer, Electrically heated. Tanglefoot Company. 424,466; Oct. 8; Serial No. 487,218; published July 16, 1946.
Connectors, Electrical. J. D. Benfield. 424,475; Oct. 8; Serial No. 488,733; published July 16, 1946.
Cords, Extensible electrical. Kellogg Switchboard and Supply Company. 424,468; Oct. 8; Serial No. 487,422; published July 16, 1946.
Cords, Extensible electrical. Kellogg Switchboard and Supply Company. 424,530–1; Oct. 8; Serial Nos. 495,745–6; published July 16, 1946.
Electric fences. R. H. Turk. 424,467; Oct. 8; Serial No. 487,342; published July 16, 1946.
Electric motor and hydraulic coupling drives, Combined. Link-Belt Company. 424,560; Oct. 8.
Electric motors and parts thereof and electric generators and parts thereof. Master Electric Company. 424,431; Oct. 8; Serial No. 471,266; published July 16, 1946.
Electric toaster. Lexington Machinery & Development Co., Inc. 424,505; Oct. 8; Serial No. 493,971; published July 16, 1946.
Electric welding apparatus. A. O. Smith Corporation. 424,432; Oct. 8; Serial No. 471,762; published July 16, 1946.
Electrical equipment and appliances. W. W. Barr. 424,503; Oct. 8; Serial No. 493,879; published July 16, 1946.
Electrical insulating materials. H. D. Isenberg. 424,444; Oct. 8; Serial No. 483,306; published July 16, 1946.
Electrical motors, Fractional horse power. Lamb Electric Company. 424,435; Oct. 8; Serial No. 479,850; published July 16, 1946.
Eliminators, Static. United States Radium Corporation. 424,518; Oct. 8; Serial No. 495,347; published July 9, 1946.
Fencers, Electric paint conditioners, electric paint mixers, etc., Electric. Red Devil Tools. 424,479; Oct. 8; Serial No. 490,398; published July 16, 1946.
Lighting equipment, Photographic. M. Black. 424,493; Oct. 8; Serial No. 492,354; published July 16, 1946.
Lights and electric controllers therefor, etc., Traffic signal. E. A. Brass. 424,443; Oct. 8; Serial No. 483,206; published July 16, 1946.
Radio antennas, Transmitting and receiving. Shur-Antenna-Mount, Inc. 424,481; Oct. 8; Serial No. 490,709; published July 16, 1946.
Radio home receiving sets. Molded Insulation Company. 424,517; Oct. 8; Serial No. 495,322; published July 9, 1946.
Radio receiving sets, electric record players, radio manual, etc. Aviola Radio Corporation. 424,490; Oct. 8; Serial No. 492,125; published July 16, 1946.
Radio receiving sets, loud speakers, and reproducing units, etc. Electrical Research Laboratories, Inc. 212,709; renewed May 11, 1946. O. G. Oct. 8.
Radios, and radio and phonograph combinations. Cavendish Trading Corp. 424,511; Oct. 8; Serial No. 494,653; published July 16, 1946.
Scissors, Electric. Atlas Instrument Company. 424,516; Oct. 8; Serial No. 495,161; published July 9, 1946.
Signalling apparatus, Electrical supervisory, Alarm. Russell & Stoll Company, Inc. 424,459; Oct. 8; Serial No. 485,887; published July 16, 1946.

CLASS 22

Implements, apparatus, and articles used in athletic games and sports, Certain named. A. G. Spalding & Bros. 56,737–38; re-renewed Oct. 16, 1946. O. G. Oct. 8.
Rackets, Badminton and tennis. Bancroft Racket Company. 424,582; Oct. 8.
Spinners. Enterprise Manufacturing Company. 219,474; renewed Oct. 19, 1946. O. G. Oct. 8.
Supports for golf bags. Sports Products Corporation. 424,565; Oct. 8.
Toy banks, Plastic. Toy Town Corporation. 424,484; Oct. 8; Serial No. 491,180; published July 16, 1946.
Toy model aircraft. International Model Aircraft Limited. 424,436; Oct. 8; Serial No. 481,111; published July 16, 1946.
Toy plastic coin banks. S. Meyerson. 424,536; Oct. 8; Serial No. 498,017; published July 16, 1946.

CLASS 23

Air bags for tire repairing, Sectional. Firestone Tire & Rubber Company. 424,424; Oct. 8; Serial No. 453,507; published July 16, 1946.
Bearings, Engine. McQuay-Norris Manufacturing Company. 424,458; Oct. 8; Serial No. 485,876; published July 9, 1946.
Brush and dustpan, Unitary combination mechanical. Stamping Service, Inc. 424,502; Oct. 8; Serial No. 493,843; published July 16, 1946.
Cranes mounted on rubber tired automobile trucks chassis, Lifting. Insley Manufacturing Corporation. 424,575; Oct. 8.
Crushers. Jeffrey Manufacturing Company. 424,439; Oct. 8; Serial No. 481,791; published July 16, 1946.
Cylinders, Master. New York Air Brake Company. 424,519; Oct. 8; Serial No. 495,555; published July 9, 1946.
Dusting machines used in applying insecticidal powders to vegetation. A. W. Gustafson. 424,544; Oct. 8.
Elevators, escalators, endless carriers, etc. Otis Elevator Company. 219,894; renewed Oct. 26, 1946. O. G. Oct. 8.
Filters, Oil. Fram Corporation. 424,473; Oct. 8; Serial No. 488,401; published July 16, 1946.
Fire extinguishers, Portable hand. Buffalo Fire Appliance Corporation. 424,562; Oct. 8.
Gears, Precision. Beaver Gear Works, Inc. 424,438; Oct. 8; Serial No. 481,691; published Nov. 13, 1945.
Guides made of sapphire, ruby, corundum, etc., Thread. John Worley Jewel Company. 424,568; Oct. 8.
Guns, Cleaning. Southern Supply Co. 424,461; Oct. 8; Serial No. 486,506; published July 9, 1946.
Hay-carriers. F. E. Myers & Brother. 56,933; re-renewed Oct. 23, 1946. O. G. Oct. 8.
Holders for drilling, boring, reaming, etc., tools. F. Burg. 424,437; Oct. 8; Serial No. 481,313; published July 16, 1946.
Industrial and/or municipal apparatus. Permutit Company. 424,426; Oct. 8; Serial No. 459,013; published July 16, 1946.
Jacks, Hydraulic automotive. Federal Auto Products Company. 424,577; Oct. 8.
Jigs, Drilling. Oscar W. Hedstrom Corporation. 424,549; Oct. 8.
Knives, shears, kitchen knives, etc., Pen. Queen City Cutlery Company. 424,480; Oct. 8; Serial No. 490,447; published July 16, 1946.
Milking equipment. Babson Bros. Co. 424,488; Oct. 8; Serial No. 492,027; published July 16, 1946.
Pumps, Piston type force. Hasco Valve and Machine Co. 424,504; Oct. 8; Serial No. 493,957; published July 16, 1946.
Rake, Lawn. Hayden Company. 424,510; Oct. 8; Serial No. 494,502; published July 16, 1946.
Rakes, Pick-up. New Standard Corporation. 424,515; Oct. 8; Serial No. 495,089; published July 9, 1946.
Rasps and files. Stokes Bros. Manufacturing Co. 424,471; Oct. 8; Serial No. 488,288; published July 16, 1946.
Razor blades. Affiliated Retailers, Inc. 424,512–14; Oct. 8; Serial Nos. 494,998–495,000; published July 9, 1946.
Reels, Hand-operated. C. J. Bates & Son. 424,434; Oct. 8; Serial No. 474,107; published July 16, 1946.
Scissors, sewing scissors, pocket scissors, etc., Household. Rex Cutlery Corporation. 424,559; Oct. 8.
Spoons, forks, spears, etc., Molded plastic cocktail. E. S. Tupper. 424,494; Oct. 8; Serial No. 492,405; published July 16, 1946.
Taps and small cutting tools. Greenfield Tap and Die Corporation. 424,545; Oct. 8.
Tools, Diamond carrying. Industrial Abrasives, Inc. 424,554; Oct. 8.
Transmitting apparatus, Rotary motion. Kearfott Engineering Co. 424,450; Oct. 8; Serial No. 484,300; published July 16, 1946.
Vending machines. Knapway Devices, Inc. 424,500; Oct. 8; Serial No. 493,496; published July 16, 1946.
Water systems. Marshall-Wells Company. 424,441; Oct. 8; Serial No. 482,431; published July 16, 1946.
Windmills. Aermotor Company. 56,596; re-renewed Oct. 9, 1946. O. G. Oct. 8.

CLASS 26

Dispensing devices, Self-measuring oil and grease. Bennett Pumps Corporation. 218,118; renewed Sept. 21, 1946. O. G. Oct. 8.
Electric-mechanical instrument. Electronic Mechanical Products Company. 424,460; Oct. 8; Serial No. 486,298; published July 16, 1946.
Handle and guard for portable electric lamps. Daniel Woodhead Company. 219,779; renewed Oct. 26, 1946. O. G. Oct. 8.
Lenses and goggle lenses or glasses, Eyeglass. Butler Optical Company. 424,551; Oct. 8.
Lubrication equipment. Balcrank Inc. 424,451; Oct. 8; Serial No. 484,337; published July 16, 1946.
Potentiometers. G. M. Giannini & Co. Inc. 424,570; Oct. 8.
Scales, Weighing. Chicago Dietetic Supply House, Inc. 218,862; renewed Oct. 5, 1946. O. G. Oct. 8.
Screens, Protection. Society for Visual Education, Inc. 424,576; Oct. 8.
Test sets and testing equipment. Udylite Process Corporation. 220,590; renewed Nov. 9, 1946. O. G. Oct. 8.
Testing devices for vehicle wheels. Testing Apparatus, Inc. 424,427; Oct. 8; Serial No. 460,129; published May 22, 1945.

CLASS 29

Brushes. Hanlon & Goodman Co. 217,967; renewed Sept. 14, 1946. O. G. Oct. 8.
Cleaning and polishing cloths, Unimpregnated. Nathan H. Poor Company. 219,066; renewed Oct. 12, 1946. O. G. Oct. 8.

CLASS 30

Chinaware, Articles of. Sapun Ceramics, Inc. 424,573; Oct. 8.
Crockery, earthenware, and porcelain, etc. Michaels & Co., Inc. 424,489; Oct. 8; Serial No. 492,071; published June 25, 1946.

CLASS 31

Pump and filter units, Combined portable. Wallace & Tiernan Co., Inc. 424,476; Oct. 8; Serial No. 489,830; published July 16, 1946.

CLASS 32

Furniture, Certain articles of. N. D. Cass Co. 219,987; renewed Oct. 26, 1946. O. G. Oct. 8.
Furniture, Juvenile and nursery. S. M. Leach. 424,564; Oct. 8.
Racks, Filing. Remington Rand Inc. 424,452; Oct. 8; Serial No. 484,359; published Sept. 25, 1945.
Tables, card tables, corner tables, Trestle. Habitant Shops, Inc. 424,478; Oct. 8; Serial No. 490,306; published July 16, 1946.

CLASS 33

Glass, Articles made of. Revoc, Inc. 424,472; Oct. 8; Serial No. 488,374; published July 9, 1946.
Glass containers. Corning Glass Works. 424,425; Oct. 8; Serial No. 453,716; published July 16, 1946.
Glass perfume bottles, table glassware, glass beverage sets, etc. Gailstyn Company. 424,496; Oct. 8; Serial No. 492,434; published July 16, 1946.
Glassware, Hand painted table. R. L. Le May. 424,482; Oct. 8; Serial No. 490,952; published July 16, 1946.
Glasses and crystals. Watch. Hammel, Riglander & Co. 220,416; renewed Nov. 9, 1946. O. G. Oct. 8.

CLASS 34

Acetylene welding and cutting apparatus and parts thereof. Oxweld Acetylene Company. 220,133; renewed Nov. 2, 1946. O. G. Oct. 8.
Apparatus for the exchange of heat. La Mont Corporation. 213,076; renewed May 18, 1946. O. G. Oct. 8.

CLASS 35

Hose, Rubber and rubber-fabric. Republic Rubber Company. 218,479; renewed Sept. 28, 1946. O. G. Oct. 8.
Patches for pneumatic vehicle tires, Blow-out. Goodyear Tire & Rubber Company. 218,161; renewed Sept. 21, 1946. O. G. Oct. 8.
Tires and inner tubes, Pneumatic motor-vehicle. Pharis Tire and Rubber Company. 218,866; renewed Oct. 5, 1946. O. G. Oct. 8.

CLASS 36

Musical instruments, Stringed. Gibson, Inc. 219,149; renewed Oct. 12, 1946. O. G. Oct. 8.
Phonograph grooved records. Manor Record Co. 424,462; Oct. 8; Serial No. 486,796; published July 16, 1946.
Phonograph records, phonograph apparatus, and parts thereof, etc. Columbia Phonograph Company, Inc. 219,539; renewed Oct. 19, 1946. O. G. Oct. 8.
Zithers. Oscar Schmidt-International, Incorporated. 424,491; Oct. 8; Serial No. 492,157; published June 25, 1946.

CLASS 37

Envelopes, letterheads, billheads, etc., Printed mailing. J. S. Bridges. 218,755; renewed Oct. 5, 1946. O. G. Oct. 8.
Loose-leaf binders, loose-leaf blank books and parts thereof, etc. Lefax. 218,813; renewed Oct. 5, 1946. O. G. Oct. 8.
Paper and envelopes, Writing. Strombeck Press Inc. 424,429; Oct. 8; Serial No. 469,314; published July 31, 1945.
Paper, ledger paper, writing paper, and cardboard, Bond. C. M. Rice Paper Company. 218,895; renewed Oct. 5, 1946. O. G. Oct. 8.
Paper, Writing and printing. Keith Paper Company. 424,464; Oct. 8; Serial No. 487,084; published Dec. 25, 1945.

CLASS 38

Journal, Weekly. Towse Publishing Co. 57,008; re-renewed Oct. 30, 1946. O. G. Oct. 8.
Printed books, pamphlets, catalogues, etc. J. S. Bridges. 218,764; renewed Oct. 5, 1946. O. G. Oct. 8.

CLASS 39

Apparel, Knit articles of wearing. Peckham-Foreman Inc. 213,963; renewed June 8, 1946. O. G. Oct. 8.
Apparel, Wearing. C. F. Berg. 215,299; renewed July 13, 1946. O. G. Oct. 8.
Boots and shoes, Leather. Chippewa Shoe Manufacturing Company. 220,130; renewed Nov. 2, 1946. O. G. Oct. 8.
Coats, vests, pants, and overcoats, Men's. Rosenberg Bros. & Co. 218,194; renewed Sept. 21, 1946. O. G. Oct. 8.
Corselets and brassières, Ladies'. Stout Control Foundations Inc. 424,579; Oct. 8.
Gloves with or without leather facings, Knitted and woven fabric. Wells-Lamont Manufacturing Co. 219,164–5; renewed Oct. 12, 1946. O. G. Oct. 8.
Gloves, with or without leather facings, Knitted and woven fabric. Wells-Lamont Manufacturing Co. 219,876; renewed Oct. 26, 1946. O. G. Oct. 8.
Hats, dresses, coats, etc., Ladies' and misses'. Weill & Hartmann. 216,916; renewed Aug. 24, 1946. O. G. Oct. 8.
Hosiery. S. H. Kress & Co. 220,453; renewed Nov. 9, 1946. O. G. Oct. 8.
Hosiery, Ladies'. Artcraft Silk Hosiery Mills, Inc. 214,858; renewed July 6, 1946. O. G. Oct. 8.
Pants, Baby. I. B. Kleinert Rubber Company. 218,193; renewed Sept. 21, 1946. O. G. Oct. 8.
Shirts and blouses, Men's and boys' dress, negligee, and work. Radbord Bros. 219,134; renewed Oct. 12, 1946. O. G. Oct. 8.
Shirts, Sport. Enro Shirt Company, Inc. 214,199; renewed June 15, 1946. O. G. Oct. 8.
Shoes, Canvas, leather, felt, and rubber. American Wholesale Corporation (Baltimore Bargain House). 215,613; renewed July 20, 1946. O. G. Oct. 8.
Sportswear and wearing apparel, Women's and misses' spectator. Baron-Abramson, Inc. 424,580; Oct. 8.
Suits; Bathing shirts, trunks, etc., Bathing. Peckham-Foreman Inc. 213,319; renewed May 25, 1946. O. G. Oct. 8.
Trousers. Joseph H. Cohen & Sons, Vanity Cloths Inc. 219,331; renewed Oct. 19, 1946. O. G. Oct. 8.

CLASS 41

Umbrella-frames of metal. Samuel Foc & Company. 53,902; re-renewed June 12, 1946. O. G. Oct. 8.

CLASS 42

Blankets of cotton and woolen materials. Pendleton Woolen Mills. 215,591; renewed July 20, 1946. O. G. Oct. 8.
Cotton piece goods. Pomona Mills Inc. 220,380; renewed Nov. 9, 1946. O. G. Oct. 8.
Dyed and printed all wool and cotton warp piece goods and dyed and printed cotton piece goods. Pacific Mills. 55,704; re-renewed Aug. 21, 1946. O. G. Oct. 8.
Linen piece goods. Abouchar & Co. 208,704; renewed Feb. 9, 1946. O. G. Oct. 8.
Woolen piece goods. Madison Woolen Co. 220,409; renewed Nov. 9, 1946. O. G. Oct. 8.

CLASS 44

Needles, Hypodermic. Becton, Dickinson & Company. 424,583; Oct. 8.
Serviettes. Thomas Products, Inc. 212,267; renewed Apr. 27, 1946. O. G. Oct. 8.
Vaginal diaphragm inserters. Larré Laboratories. 424,537; Oct. 8; Serial No. 498,066; published July 16, 1946.
Wax. S. S. White Dental Mfg. Co. 53,258; re-renewed June 12, 1946. O. G. Oct. 8.

CLASS 45

Beverages, Nonalcoholic, noncereal, maltless. Broadway Beverage Corporation. 208,425; renewed Feb. 2, 1946. O. G. Oct. 8, 1946.
Water, Bottled. Los Angeles Ice & Cold Storage Company. 215,186; renewed July 13, 1946. O. G. Oct. 8.
Water, Carbonated table or drinking. Canada Dry Ginger Ale, Incorporated. 219,300; renewed Oct. 12, 1946. O. G. Oct. 8.
Water, Distilled. Los Angeles Ice & Cold Storage Co. 215,284; renewed July 13, 1946. O. G. Oct. 8.

CLASS 46

Asparagus, Fresh. Liberty Farms Co. 219,547; renewed Oct. 19, 1946. O. G. Oct. 8.
Bakery products, Certain. Cushman's Sons, Inc. 219,053; renewed Oct. 12, 1946. O. G. Oct. 8.
Bran, bran wafers, bran breakfast food, etc., Washed. Chicago Dietetic Supply House, Inc. 220,019; renewed Oct. 26, 1946. O. G. Oct. 8.
Butter. E. O. Whitford Company. 51,287; re-renewed April 10, 1946. O. G. Oct. 8.
Candies. Marion Confections Company. 424,433; Oct. 8; Serial No. 471,954; published Sept. 4, 1945.
Candy. Beaudry Brothers Candy Co. 424,578; Oct. 8.
Candy. Berti Brothers. 219,743; renewed Oct. 26, 1946. O. G. Oct. 8.
Candy. Candy Bros. Mfg. Co. 198,264; renewed May 12, 1945. O. G. Oct. 8.
Candy. Candy Products Company. 211,729; renewed Apr. 20, 1946. O. G. Oct. 8.
Candy. Golden Nugget Sweets. 217,930; renewed Sept. 14, 1946. O. G. Oct. 8.
Candy, Hard and soft. Quaker City Chocolate and Confectionery Company. 57,604–5; re-renewed Nov. 13, 1946. O. G. Oct. 8.
Candy, ice cream, and frozen confections. Theonett & Co. 218,821; renewed Oct. 5, 1946. O. G. Oct. 8.
Canned dog food. Coastal Canning Corporation. 424,520–24; Oct. 8; Serial Nos. 495,575–79; published July 16, 1946.
Canned dog food. Coastal Canning Corporation. 424,525–6; Oct. 8; Serial Nos. 495,581–2; published July 16, 1946.
Canned dog food. Coastal Canning Corporation. 424,527; Oct. 8; Serial No. 495,584; published July 16, 1946.
Canned fish. F. Millerd and Company, Limited. 424,492; Oct. 8; Serial No. 492,215; published July 16, 1946.
Canned fruits. Lucido Bros. Grocery Co. 214,332; renewed June 22, 1946. O. G. Oct. 8.
Canned fruits and canned vegetables. United States Products Corporation, Ltd. 424,572; Oct. 8.
Canned fruits and vegetables. Booth Packing Company. 57,135–6; re-renewed Nov. 6, 1946. O. G. Oct. 8.
Canned fruits and vegetables. L. H. Moore. 424,561; Oct. 8.
Canned fruits, berries, and vegetables. Western Oregon Packing Corporation. 219,067; renewed Oct. 12, 1946. O. G. Oct. 8.
Canned fruits, canned fruit juices, canned fish, etc. Hunt Brothers Packing Company. 424,552; Oct. 8.
Canned vegetable juices, salad dressing and mayonnaise dressing. Markets, Inc. 424,543; Oct. 8.
Canned vegetables and tomato catchup. Oppenheim & McEwan Co., Inc. 424,445; Oct. 8; Serial No. 483,694; published July 16, 1946.
Canned vegetables. Lange Canning Corporation. 424,540; Oct. 8; Serial No. 498,153; published July 16, 1946.
Celery. D. Mills. 424,428; Oct. 8; Serial No. 467,345; published Nov. 7, 1944.
Cheese. Popper, Gray & Co. 56,831; re-renewed Oct. 23, 1946. O. G. Oct. 8.
Coffee. J. A. Folger & Company. 424,541; Oct. 8; Serial No. 498,412; published July 16, 1946.
Confectionery. Arthur's. 424,569; Oct. 8.
Cookies, Small. C. Boccia. 218,835; renewed Oct. 5, 1946. O. G. Oct. 8.
Crackers. Striefmann Biscuit Co. 217,591; renewed Sept. 7, 1946. O. G. Oct. 8.
Eggs, Preserved. Roasted Shell Eggs, Inc. 424,557; Oct. 8.
Feed, Cattle. Taylor Milling Corporation. 424,453; Oct. 8; Serial No. 484,508; published Mar. 12, 1946.
Feed for livestock, poultry, and fur bearing animals. O. W. Meyer. 424,533; Oct. 8; Serial No. 496,255; published July 16, 1946.
Feed, Horse and mule. Alabama Feed Mills. 424,486; Oct. 8; Serial No. 491,305; published July 16, 1946.
Feed, Stock. Concord Soya Corporation. 424,548; Oct. 8.
Feed, Stock. A. E. Staley Manufacturing Company. 219,972; renewed Oct. 26, 1946. O. G. Oct. 8.
Feeds, Swine and poultry. Shearer's Dried Milk Products Corporation. 424,501; Oct. 8; Serial No. 493,832; published July 16, 1946.
Flavoring extracts for ice cream. G. C. Balch. 424,454; Oct. 8; Serial No. 484,774; published July 16, 1946.
Flour, Wheat. Quaker Oats Company. 424,470; Oct. 8; Serial No. 488,124; published July 16, 1946.
Food products, Cooked. Frost-Cooked Foods, Inc. 424,571; Oct. 8.
Fruits, Fresh deciduous. E. H. Vogel. 219,759; renewed Oct. 26, 1946. O. G. Oct. 8.
Gum, Chewing. C. C. Mueller. 217,577; renewed Sept. 7, 1946. O. G. Oct. 8.
Ice cream. Honeycup Ice Cream Co. 207,700; renewed Jan. 5, 1946. O. G. Oct. 8.
Company. 218,808; renewed Oct. 5, 1946. O. G. Oct. 8.

Jams, jellies, peanut butter, etc. Pacific Food Products Company. 218,808; renewed Oct. 5, 1946. O. G. Oct. 8.
Lard, sausages, bacon, etc. John P. Squire & Company. 56,929; re-renewed Oct. 23, 1946. O. G. Oct. 8.
Malt sirup for food purposes. Bay City Milling Company. 213,949; renewed June 8, 1946. O. G. Oct. 8.
Mushrooms, mushroom soup, mushrooms in cream, etc. C. W. Ostrom. 424,550; Oct. 8.
Olives, olive oil, and tomato sauce. F. Buttitta. 424,532; Oct. 8; Serial No. 495,860; published July 16, 1946.
Oranges, tangerines, grapefruit. Sunny Mountain Orange Co. 220,496; renewed Nov. 9, 1946. O. G. Oct. 8.
Popcorn. Webb Manufacturing Company. 424,485; Oct. 8; Serial No. 491,296; published Mar. 26, 1946.
Pudding powders, Desert. Wallace, Burton & Davis Co., Inc. 424,539; Oct. 8; Serial No. 498,098; published July 16, 1946.
Rice. Baton Rouge Rice Mill, Inc. 424,446–7; Oct. 8; Serial Nos. 484,007–8; published July 16, 1946.
Salad dressing, French dressing, and canned fruits. Grand Union Company. 424,442; Oct. 8; Serial No. 483,177; published July 16, 1946.
Sirups, Table and cooking. Egerton Brothers. 210,358; renewed Mar. 16, 1946. O. G. Oct. 8.
Spaghetti, macaroni elbows, and egg noodles. Cumberland Macaroni Mfg. Company. 219,337; renewed Oct. 19, 1946. O. G. Oct. 8.
Syrup, Table. Northwest Chemurgy Co-Operative. 424,534; Oct. 8; Serial No. 497,677; published July 16, 1946.
Tomatoes, Fresh. M. L. Greene. 424,474; Oct. 8; Serial No. 488,587; published July 16, 1946.
Vegetables, Fresh. Santa Maria Distributors. 424,528–9; Oct. 8; Serial Nos. 495,696–7; published July 16, 1946.
Wheat flour. Egerton Brothers. 209,742; renewed Mar. 2, 1946. O. G. Oct. 8.

CLASS 50

Capsules, Luminous. Biddle-Cox Company, Inc. 424,495; Oct. 8; Serial No. 492,424; published July 2, 1946.
Closure caps. Anchor Hocking Glass Corporation. 424,542; Oct. 8.
Fabrics, Coated. Eggers Fabric Company. 424,436–7; Oct. 8; Serial Nos. 485,336–7; published July 9, 1946.
Leather, Treated material in the nature of artificial. Textileather Corporation. 424,457; Oct. 8; Serial No. 485,705; published July 16, 1946.
Mats and table mats having an asbestos back and metal top, Stove. Lauer Manufacturing Company. 424,498; Oct. 8; Serial No. 493,368; published July 16, 1946.
Reticular metallic and/or textile base. Celanese Corporation of America. 424,483; Oct. 8; Serial No. 490,998; published July 2, 1946.
Signs and art panels and pictures, Advertising display. Pyraglass, Inc. 220,125; renewed Nov. 2, 1946. O. G. Oct. 8.
Textile sample cards. H. Stein. 424,497; Oct. 8; Serial No. 492,528; published July 16, 1946.
Wheels for model airplanes. Hely-Arc Model Equipment Co. 424,477; Oct. 8; Serial No. 490,065; published July 16, 1946.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Hyre, Warren, Clearwater, Fla. Form aligner. Re. 22,799; Oct. 8.
Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Catalytic dehydrogenation of hydrocarbons. Re. 22,800; Oct. 8.
Nusign Electric Limited, assignee: *See*—
Starnes, James R.
Standard Oil Development Company, assignee: *See*—
Kearby, Kenneth K.
Starnes, James R., Toronto, Ontario, Canada, assignor, by mesne assignments, to Nusign Electric Limited. Interchangeable letter sign. Re. 22,801; Oct. 8.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc., assignee: *See*—
Swim, Herbert C.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 712; Oct. 8.

LIST OF DESIGN PATENTEES

Chandler, James H., Oak Park, and A. J. Eggleston, assignors to Ekco Products Company, Chicago, Ill. Kitchen tool or similar article. 145,685; Oct. 8.
Chandler, James H., Oak Park, and A. J. Eggleston, assignors to Ekco Products Company, Chicago, Ill. Kitchen tool or similar article. 145,686; Oct. 8.
Chandler, James H., Oak Park, assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils for similar article. 145,687; Oct. 8.
Eagan, Joseph K., Peoria, Ill. Shoe. 145,688; Oct. 8.
Eggleston, Allen J.: *See*—
Chandler, James H., and Eggleston.
Eggleston, Allen J., Chicago, Ill., assignor to Ekco Products Company. Kitchen tool or similar article. 145,689; Oct. 8.
Ekco Products Company, assignee: *See*—
Chandler, James H., and Eggleston.
Chandler, James H.
Eggleston, Allen J.
Fitzpatrick, Arthur M., Jr., Detroit, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 145,690; Oct. 8.
Fitzpatrick, Arthur M., Jr., Detroit, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 145,691; Oct. 8.
Fitzpatrick, Arthur M., Jr., Detroit, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 145,692; Oct. 8.
Floyd, Jack W., Seattle, Wash. Youth's costumer. 145,693; Oct. 8.
General Consumer Products, Inc., assignee: *See*—
Heer, Raymond.
General Electric Company, assignee: *See*—
Petzold, William B.
Healey, John A., Chicago, Ill. Pull toy. 145,694; Oct. 8.
Heer, Raymond, assignor to General Consumer Products, Inc., Chicago, Ill. Electric stove. 145,695; Oct. 8.
International Plastic Corporation, assignee: *See*—
Preble, Harry, Jr.
Juno Products Company, assignee: *See*—
Mills, Charles E.
McCann, Clyde D., Des Moines, Iowa. Light fixture. 145,696; Oct. 8.
Mills, Charles E., Cleveland, Ohio, assignor to Juno Products Company. Money clip. 145,697; Oct. 8.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Sanders, Morris.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Gift box. 145,698; Oct. 8.
Preble, Harry, Jr., New York, N. Y., assignor to International Plastic Corporation, Morristown, N. J. Tape dispenser. 145,699; Oct. 8.
Robboy, Nathan M., Clevalnd Heights, Ohio. Fluorescent lighting fixture. 145,700; Oct. 8.
Rodgers, William W., Wilmington, Del. Animal figure. 145,701; Oct. 8.
Sanders, Morris, New York, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Register or similar article. 145,702; Oct. 8.
Schneck, Max, & Bros., Inc., assignee: *See*—
Schneck, Max.
Schneck, Max, Long Island, assignor to Max Schneck & Bros., Inc., New York, N. Y. Dress. 145,703; Oct. 8.
Schneck, Max, Long Island, assignor to Max Schneck & Bros., Inc., New York, N. Y. Dress. 145,704; Oct. 8.
Stewart-Warner Corporation, assignee: *See*—
Fitzpatrick, Arthur M., Jr.
Woodley, Edward L., Baird, Tex. Clip bookmark. 145,705; Oct. 8.
Woodley, Edward L., Baird, Tex. Clip bookmark. 145,706; Oct. 8.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abernethy, Vardy M., Forest City, N. C. Support. 2,408,719; Oct. 8.

Acheson, Louis K., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,409,008; Oct. 8.

Aeronautical & Mechanical Investments Limited, assignee: *See*—
Arnot, Alfred.

Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Hoover, Samuel R., Allen, and Naghski.
Wells, Percy A., and Swern.

Ahles, Carl C., Albany, N. Y. Ballast block. 2,409,094; Oct. 8.

Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Meat tendering machine. 2,408,747; Oct. 8.

Air Reduction Company, Incorporated, assignee: *See*—
Crowe, John J.

Alden, Richard C.: *See*—
Schulze, Walter A., and Alden.

Alexander, Peter P., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of lithium hydride. 2,408,748; Oct. 8.

Alger, Blandford A., Belleville, N. J. Attachment for audio receivers. 2,408,720; Oct. 8.

Alien Property Custodian: *See*—
Fluchaire, Maurice L. A.
Kientz, Louis R. J.

Allen, Kenneth C.: *See*—
Meeker, David A., and Allen.

Allen, Paul J.: *See*—
Hoover, Samuel R., Allen, and Naghski.

Allied Chemical & Dye Corporation, assignee: *See*—
Engel, Karl H.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Singleton, Joseph L.

Alston, Paul W., Berkeley, and E. E. Morse, Woodland, Calif. Method and apparatus for detecting sugar. 2,408,900; Oct. 8.

Altsheler, William B., Louisville, assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Pneumatically-operated liquid-recirculating device. 2,408,721; Oct. 8.

American Cyanamid Company, assignee: *See*—
Davis, Arnold R.
Heuser, Ralph V.
Kienle, Roy H., and Amick.
Lecher, Hans Z., and Goulding.
Lecher, Hans Z., Goulding, and Parker.

American Machine & Foundry Company, assignee: *See*—
Johnson, Carl W., and Neumair.
Pohl, Ernest E.

American Ore Reclamation Company, assignee: *See*—
Shallock, Edward W.

American Smelting and Refining Company, assignee: *See*—
Fritschle, Arthur.

Amick, Chester A.: *See*—
Kienle, Roy H., and Amick.

Anderson, Arthur, Brooklyn, N. Y. Apparatus for forming cam surfaces upon cylindrical cam bodies. 2,408,722; Oct. 8.

Andrews, Troy M.: *See*—
Haney, Clifford I., Martin, and Andrews.

Armstrong Siddeley Motors Limited, assignee: *See*—
Clark, Thomas, Windsor, and Hart.

Arnot, Alfred, Warrington, England, assignor to Aeronautical & Mechanical Investments Limited. Electric switch sensitive to small operating movements. 2,408,901; Oct. 8.

Arpin, Helen G.: *See*—
Arpin, Leonard G. and H. G.

Arpin, Leonard G. and H. G., Montclair, N. J. Undergarment. 2,408,723; Oct. 8.

Ashby, Ernest J., Indianapolis, Ind. Retort type oil burner. 2,409,095; Oct. 8.

Automatic Electric Laboratories, Inc., assignee: *See*—
Gillings, Charles, and Murray.
Ostline, John E.
Rice, Thomas G.
Taylor, Reginald, and Baker.

Autopoint Company, assignee: *See*—
Beckstrom, Garfield L.

Bailey, William M., Company, assignee: *See*—
Bowland, Andrew.

Bailie, James C., and R. V. Shankland, assignors to Standard Oil Company, Chicago, Ill. Toluene process. 2,408,724; Oct. 8.

Baird, William J., Birmingham, and W. N. Sparks, Inkster, Mich. Plastic forming apparatus. 2,409,096; Oct. 8.

Baker, George T.: *See*—
Taylor, Reginald, and Baker.

Bakke, Hans A., Swampscott, Mass., assignor to General Electric Company. One-way drive with magnetic lock. 2,409,009; Oct. 8.

Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Automatic control equipment. 2,409,010; Oct. 8.

Barber-Colman Company, assignee: *See*—
Lilja, Edgar D.

Basnett, Robert T.: *See*—
Ellis, Delbert, Taylor, and Basnett.

Bastian Blessing Co., The, assignee: *See*—
Buttner, William C.

Batcheller, Clements, Glens Falls, N. Y. Electrolytic polishing. 2,409,097; Oct. 8.

Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Container for pencil leads and the like. 2,408,902; Oct. 8.

Belcher, Harold H., assignor to Rodney Hunt Machine Company, Orange, Mass. Fulling mill. 2,409,011; Oct. 8.

Belchetz, Arnold, Kew Gardens, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Hydrocarbon conversion. 2,408,725; Oct. 8.

Bell, Richmond T.: *See*—
Thacker, Carlisle M., and Bell.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Cahill, Harold D.
Goodall, William M.
Matte, Andrew L.
Pierce, John R.

Bemis Bro. Bag Company, assignee: *See*—
Brady, Charles V., and Williams.

Bendix Aviation Corporation, assignee: *See*—
Nardone, Romeo M.

Benson, John M., Milwaukee, Wis. Fishing rod and reel assembly. 2,409,098; Oct. 8.

Bentley, George P.: *See*—
Frische, Carl A., Bentley, and Halpert.

Berg, Floyd H., Minneapolis, Minn. Washing and drying fabric articles. 2,408,749; Oct. 8.

Berger, Eugene, assignee: *See*—
Margolis, Louis.

Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,408,726; Oct. 8.

Bigelow-Sanford Carpet Co., Inc., assignee: *See*—
Dow, James N., and Dildilian.

Biggs, Orrick H., Beverly, and H. Heins, Marblehead, assignors to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency generator. 2,408,903; Oct. 8.

Black, Howard C., assignor to Industrial Patents Corporation, Chicago, Ill. Color stabilization. 2,408,904; Oct. 8.

Black, Howard C., and C. A. Overley, assignors to Industrial Patents Corporation, Chicago, Ill. Preparation of synthetic glycerides. 2,408,905; Oct. 8.

Bliss, E. W., Company, assignee: *See*—
Rode, Fredrich J.

Bliss, Warren H., Orono, Maine, assignor to Radio Corporation of America. Radio receiving system. 2,409,012; Oct. 8.

Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Circuit time constant measurement. 2,408,727; Oct. 8.

Bloch, Herman S.: *See*—
Pines, Herman, and Bloch.

Bloomfield, John J., Burbank, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Brake cooler. 2,409,099; Oct. 8.

Bocchicchio, Alfeo, assignor to J. M. Zaccaria, Chicago, Ill. Scoop dispensing device for scales. 2,408,906; Oct. 8.

Bocjl Corporation, assignee: *See*—
Lang, Joseph C.

Bodmer, Ernest, Geneva, Switzerland. Regulating device for friction-cones clutches. 2,409,013; Oct. 8.

Bohmer, Clarence I., and A. S. Millikip, assignors to The Jaeger Machine Company, Columbus, Ohio. Mix-consistency indicator for concrete mixers. 2,409,014; Oct. 8.

Bolidens Gruvaktiebolag, assignee: *See*—
Häger, Bror O.

Bolte, Leo R., Staten Island, N. Y. Temperature indicating electric iron. 2,408,750; Oct. 8.

Booth, Earl C., assignor to Noblett-Sparks Industries, Inc., Columbus, Ind. Metal furniture. 2,408,907; Oct. 8.

Borchardt, Lester F., Minneapolis, Minn., assignor, by mesne assignments, to General Mills, Inc. Producing antirachitic material. 2,408,908; Oct. 8.

Bordenca, Carl, Chicago, and C. J. B. Thor, Western Springs, assignors to The Visking Corporation, Chicago, Ill. Method of making alkoxy acetals. 2,409,015; Oct. 8.

Bowland, Andrew, Mount Lebanon, Pa., assignor to William M. Bailey Company. Hot-blast stove. 2,408,728; Oct. 8.

Brackett, Jesse W., New Bedford, Mass. Cutting machine. 2,408,729; Oct. 8.

Brady, Charles V., Webster Groves, and R. J. Williams, Richmond Heights, assignors to Bemis Bro. Bag Company, St. Louis, Mo, Bag structure and process of manufacture. 2,409,100; Oct. 8.

Brandon, Harold: *See*—
Breiter, Harold, and Brandon.

Brassel, Jakob: *See*—
Straub, Fritz, Brassel, and Mayer.

Brede, Martin H., Denver, Colo. Carrying pocket for hearing aids. 2,408,966; Oct. 8.

Breiter, Harold, New York, and H. Brandon, Brooklyn, N. Y. Change purse. 2,408,751; Oct. 8.

Breslav, Jack, New Haven, Conn. Stock supporting table. 2,408,730; Oct. 8.

Briggs Manufacturing Company, assignee: *See*—
Frank, Clarence E.
Gernandt, Waldo G., and Walden.

Brittingham, Vertner D., Dearborn, Mich. Finger or hand attachment. 2,409,101; Oct. 8.

Brown, Clarence E., Clarksburg, W. Va. Coal mining apparatus. 2,408,967; Oct. 8.

Brown, Linwood M., Homestead, Pa. Shock-resistant silicon steel hardened with titanium. 2,409,016; Oct. 8.

Brummer, Olin, Oak Park, Ill. Annular fluid seal. 2,408,909; Oct. 8.

Brunner Manufacturing Company, assignee: *See*—
Hirsch, Sylvan R.

Brush Beryllium Company, The, assignee: *See*—
Kjellgren, Bengt R. F.

Bucyrus-Erie Company, assignee: *See*—
Mork, George W.

Budd Company, The, assignee: *See*—
Stever, William.

Burcky, Charles W., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Guiding means. 2,409,102; Oct. 8.

Burger, Joseph, New York, N. Y. Container or shipping case having a removable cover to be locked and sealed. 2,408,731; Oct. 8.

Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Preparation of branched chain hydrocarbons. 2,408,752; Oct. 8.

Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Treatment of hydrocarbons. 2,408,753; Oct. 8.

Burkhalter, Robert R.: *See*—
Peterson, Carl D., and Burkhalter.

Burnham, John, assignor to Sprague Electric Company, North Adams, Mass. Electrical condenser. 2,408,910; Oct. 8.

Burry, Arthur A., Toronto, Ontario, Canada, assignor to C. Fuller. Plastic molding machine. 2,408,911; Oct. 8.

Bush, George L., Flushing, assignor to The Teleregister Corporation, New York, N. Y. Photoelectric transmitting typewriter apparatus. 2,408,754; Oct. 8.

Buttner, William C., Winnetka, assignor to The Bastian Blessing Co., Chicago, Ill. Fitting. 2,408,912; Oct. 8.

Cahill, Harold D., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Latching mechanism. 2,408,755; Oct. 8.

Caldes, Constantine A., Jersey City, N. J. Circular loom. 2,408,732; Oct. 8.

Cameron, John C. A., Washington, D. C. Automobile luggage carrier. 2,409,103; Oct. 8.

Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Roof hatch for railway cars. 2,408,733; Oct. 8.

Carson, George J., Worcester, Mass., assignor to O. S. Walker Company, Inc. Magnetic swivel work holder. 2,409,017; Oct. 8.

Carter Carburetor Corporation, assignee: *See*—
Bicknell, George M.

Carter, Franklyn Y.: *See*—
Dillman, Earnest J., and Carter.

Case, J. I., Company, assignee: *See*—
Leland, Alfred W.
Magee, Kenneth L.

Cavaness, James D., Arlington, Tex. Sucker rod tightener. 2,409,104; Oct. 8.

Celanese Corporation of America, assignee: *See*—
Haney, Clifford I., Martin, and Andrews.

Chaplin, Merle P., South Portland, Maine. Molded fiber edge forming apparatus. 2,408,734; Oct. 8.

Chester Manufacturing Company, assignee: *See*—
Wright, Hal F.

Chicago Eye Shield Company, assignee: *See*—
Malcom, Robert L.

Christian, David A., Batley, assignor to Siemens Brothers & Co. Limited, London, England. Electrical timing arrangement. 2,409,105; Oct. 8.

Cimaglia, Arthur C., Chicago, Ill. Toy gun. 2,408,913; Oct. 8.

Claflin, Roland S., Park Ridge, Ill. Teething device. 2,408,735; Oct. 8.

Clark, Thomas, E. V. Windsor, and L. Hart, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Pressure lubrication system. 2,408,914; Oct. 8.

Codish, George, New York, N. Y. Sole for shoes, slippers, or other articles of footwear. 2,408,736; Oct. 8.

Cody, Clifford S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air conditioning apparatus. 2,408,973; Oct. 8.

Conditioned Air Equipment Co., assignee: *See*—
Millott, Arthur T., and Graham.

Cones, Ben, Indianapolis, Ind. Piston. 2,408,915; Oct. 8.

Connelly, Robert T., Duluth, Minn. Scriber. 2,409,106; Oct. 8.

Corey, Warner R., Inkster, Mich. Warning signal 2,409,018; Oct. 8.

Cormier, Louis A., West Hempstead, assignor to Hammel. Riglander & Co. Inc., New York, N. Y. Watchcase tool. 2,408,737; Oct. 8.

Cornwall, Leo W.: *See*—
Gross, Bernard, and Cornwall.

Crabtree, John I.: *See*—
Russell, Harold D., and Crabtree.

Crabtree, John I., and G. T. Eaton, assignors to Eastman Kodak Company, Rochester, N. Y. Processing of certain nongelatin emulsions. 2,409,107; Oct. 8.

Cramer, R. W., Company, Incorporated, assignee: *See*—
Schellens, Eugene L., and Gibbs.

Crawford, William A., Mattoon, Ill., assignor to United Shoe Machinery Corporation, Flemington, N. J. Moccasin sewing machine. 2,408,738; Oct. 8.

Cree, Marion S., Washington, Pa. Template. 2,409,019; Oct. 8.

Crompton & Knowles Loom Works, assignee: *See*—
Turner, Richard G.

Cross, Robert C., Riverside, assignor to Sears, Roebuck and Co., Chicago, Ill. Boiler construction. 2,408,968; Oct. 8.

Cross, Robert C., Riverside, and G. W. Smardon, Lombard, assignors to Sears, Roebuck and Co., Chicago, Ill. Stoker boiler unit. 2,408,969; Oct. 8.

Crot, André, North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Bit sharpener. 2,408,916; Oct. 8.

Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Desulphurizing iron with molten calcium carbide. 2,409,020; Oct. 8.

Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process of forming glass prisms. 2,409,108; Oct. 8.

Crown Cork & Seal Company, Inc., assignee: *See*—
Wilckens, Elbe A., and Magill.

Curtis Pump Company, assignee: *See*—
Curtis, Russell R.

Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Slotted throat booster pump. 2,408,918; Oct. 8.

Dale, Loring J. Pie dough former, trimmer, and crimper. 2,409,021; Oct. 8.

Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Diaryl guanidine addition products. 2,409,109; Oct. 8.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Neck band clamp mechanism. 2,409,110; Oct. 8.

Davis, Tenney L., Norwell, assignor to National Fireworks, Inc., Hanover, Mass. Pyrotechnic devices. 2,409,111; Oct. 8.

Dawes, Rodney, Royal Oak, Mich. Window construction. 2,408,739; Oct. 8.

De Asis, Paul, New York, N. Y. Animal trap. 2,408,740; Oct. 8.

Deere & Company, assignee: *See*—
Rollin, Harvey G.

Delamere Company, Inc., assignee: *See*—
Huppert, William.

Denison Engineering Company, The, assignee: *See*—
Wright, Fred J.

Detroit Lubricator Company, assignee: *See*—
Dillman, Earnest J.

De Verter, Paul L., Baytown, Tex., assignor to Standard Oil Development Company. Motor fuels. 2,409,171; Oct. 8.

Dictaphone Corporation, assignee: *See*—
Yerkovich, Simon.

Diedring, John H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Safety switch. 2,409,022; Oct. 8.

Dies, Charles A. Making return bend pipe couplings. 2,409,023; Oct. 8.

Dietz, Herbert J., assignor to Eastman Kodak Company, Rochester, N. Y. Luminescent materials. 2,409,174; Oct. 8.

Dildilian, Ara T.: *See*—
Dow, James N., and Dildilian.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Automatic valve. 2,409,112; Oct. 8.

Dillman, Earnest J., and F. Y. Carter, assignors to Detroit Lubricator Company, Detroit, Mich. Refrigeration expansion valve. 2,408,919; Oct. 8.

Dodge, Adiel Y.: *See*—
Swenson, Carl E., and Dodge.

Dodge, William R., Aldan, Pa., assignor to Hajoca Corporation. Self-cleaning straining device. 2,408,741; Oct. 8.

Dornbrook, Frederick L., assignor to Wisconsin Electric Power Company, Milwaukee, Wis. Steam turbine control mechanism. 2,409,024; Oct. 8.

Dougherty, Patrick F.: *See*—
Winn, William E., and Dougherty.

Doumani, Thomas F., Long Beach, and D. A. Skinner, Compton, assignors to Union Oil Company of California, Los Angeles, Calif. Butadiene purification. 2,408,970; Oct. 8.

Dow Chemical Company, The, assignee: *See*—
Nutting, Howard S., and Horsley.

Dow, James N., Longmeadow, Mass., and A. T. Dildilian, Suffield, assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Pile fabric manufacture. 2,408,756; Oct. 8.

Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Gauge lapping machine. 2,409,113; Oct. 8.

Drennan, Harry E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating mercaptans. 2,408,920; Oct. 8.

Driver-Harris Company, assignee: *See*—
German, Howard M.

Duncan, Gordon W., Scotch Plains, N. J., assignor to Standard Oil Development Company. Slushing composition. 2,408,971; Oct. 8.

Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator. 2,408,757; Oct. 8.

Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Safety apparatus for elevators. 2,408,758; Oct. 8.

Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Deck-edge elevator. 2,408,759; Oct. 8.

Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator. 2,408,760; Oct. 8.

Dunlop, James, Ridgewood, N. J., and H. E. Hansen, Westerligh, Staten Island, N. Y., assignors, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Safety device for elevators. 2,408,761; Oct. 8.

Dunlop, James, Ridgewood, and L. R. Rissler, Hohokus, N. J., assignors, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locking apparatus for elevator platforms. 2,408,762; Oct. 8.

Dunlop, James, Ridgewood, and L. R. Rissler, Hohokus, N. J., assignors, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator. 2,408,763; Oct. 8.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Tauch, Ernest J.
Walker, Joseph F.

Duriron Company, Inc., The, assignee: *See*—
Jacobsen, Oystein.

Eastman Kodak Company, assignee: *See*—
Crabtree, John I., and Eaton.
Dietz, Herbert J.
Kenyon, William O., and Reynolds.
Russell, Harold D., and Crabtree.
Staud, Cyril J.

Eaton, George T.: *See*—
Crabtree, John I., and Eaton.

Eaton, Thomas T., Haddon Heights, N. J., assignor to Radio Corporation of America. Radio system for velocity measurement. 2,408,742; Oct. 8.

Eberhart, Arthur H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air conditioning apparatus. 2,408,972; Oct. 8.

Edgerton, Harold E., Belmont, Mass. High-speed flash-photography. 2,408,764; Oct. 8.

Eifel, Joseph, Chicago, Ill. Place marker for books and the like. 2,408,974; Oct. 8.

Elastic Stop Nut Corporation, assignee: *See*—
Mason, Veyne V.

Electrical Engineering and Manufacturing Corporation, assignee: *See*—
Hoover, Valno A.

Elleman, Tom, Port Washington, and R. W. Johnson, Milwaukee, Wis., assignors, by mesne assignments, to The Seng Company, Chicago, Ill. Adjustable chair seat. 2,409,114; Oct. 8.

Elliott, Albert G., Quarndon, Derby, England. Jet-propulsion apparatus for aircraft. 2,408,743; Oct. 8.

Ellis, Delbert, O. L. Taylor, Wilkinsburg, and R. T. Basnett, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shockproof contactor. 2,409,115; Oct. 8.

Emery Industries, Inc., assignee: *See*—
Stegemeyer, Lou A.

Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Producing esters. 2,408,744; Oct. 8.

Engel, Karl H., West Englewood, N. J., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Separation of organic bases. 2,408,975; Oct. 8.

Enterprise Railway Equipment Company, assignee: *See*—
Campbell, Argyle.

Erickson, John E., Phoenix, Ariz. Air compressor. 2,408,765; Oct. 8.

Espley, Dennis C., North Wembley, assignor to The General Electric Company Limited, London, England. Variable impedance transformer. 2,408,745; Oct. 8.

Esson, Edwin, assignor to Locke Stove Company, Kansas City, Mo. Stove for burning solid fuels and an ash container therefor. 2,408,921; Oct. 8.

Evans, Theodore W., Oakland, R. C. Morris, Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Separation of diolefins by azeotropic distillation. 2,408,922; Oct. 8.

Evert, Ralph W., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Apparatus for measuring tires. 2,408,746; Oct. 8.

Falk, Irving M., assignor to The Nu Pocket Method Co., Philadelphia, Pa. Pocket construction for trousers. 2,409,025; Oct. 8.

Fatland, Conrad, Chicago, Ill. Dust mop. 2,408,766; Oct. 8.

Feinstein Knitting Mills, Inc., assignee: *See*—
Feinstein, Louis N.

Feinstein, Louis, assignee, et al.: *See*—
Feinstein, Louis N.

Feinstein, Louis N., Brooklyn, assignor to S., R., and L. Feinstein, doing business as Feinstein Knitting Mills, Inc., New York, N. Y. Knitting machine and method. 2,409,026; Oct. 8.

Feinstein, Rebecca, assignee, et al.: *See*—
Feinstein, Louis N.

Feinstein, Sam, assignee, et al.: *See*—
Feinstein, Louis N.

Felardo, Alfred, Bronx, N. Y. Safety razor blade holder. 2,409,116; Oct. 8.

Fergusson, Alan R., Larchmont, N. Y. Nested serving table. 2,409,027; Oct. 8.

Fero, George G., Newton Upper Falls, Mass., assignor to United-Rexall Drug Company. Store fixture. 2,409,117; Oct. 8.

Filbrun, Everett V., Dayton, Ohio. Mechanical toy. 2,409,028; Oct. 8.

Fink, Lyman R., Schenectady, N. Y., assignor to General Electric Company. Electric valve motor control system. 2,409,029; Oct. 8.

Fisher, George A., Jr.: *See*—
Heath, Robert L., Fisher, and Holbrook.

Fleak, Glen D., Beaumont, Tex. Condiment holder. 2,409,118; Oct. 8.

Fleming, Robert B., Huntington Park, assignor to Bert M. Morris Co., Los Angeles, Calif. Pencil sharpener. 2,408,767; Oct. 8.

Fluchaire, Maurice L. A., Lyon, France; vested in the Alien Property Custodian. Producing solutions of chlorides of polyvinyl. 2,408,769; Oct. 8.

Folland, Donald F.: *See*—
Jenks, Frederic A., and Folland.

Food Machinery Corporation, assignee: *See*—
Halt, James M.
Reynolds, George A., Jr.

Forbragd, John, Garden City, S. Dak. Tire inflating and testing device. 2,408,976; Oct. 8.

Fox, Joseph E., N. A. Nelson, and W. S. Quincy, Jr., Dayton, Ohio. Quartz crystal holder. 2,408,768; Oct. 8.

Fraenckel, Victor H., and S. Hansen, Schenectady, N. Y., assignors to General Electric Company. Light-impulse system. 2,409,030; Oct. 8.

Frank, Clarence E., Fraser, assignor to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,409,031; Oct. 8.

Frankenberg Bros., Inc., assignee: *See*—
Klein, Clarence F.

Frederick, Charles W., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Trap for chips. 2,408,923; Oct. 8.

Freed, Meyer L., Ansonia, assignor to The Seymour Manufacturing Co., Seymour, Conn. Electroplating nickel and cobalt, baths and agents therefor. 2,409,119; Oct. 8.

Freed, Meyer L., Ansonia, and O. A. Stocker, New Haven, assignors to The Seymour Manufacturing Co., Seymour, Conn. Production of bright metallic deposits. 2,409,120; Oct. 8.

Freese, Charles E., Scotia, assignor to General Electric Company, New York, N. Y. Operating mechanism. 2,409,032; Oct. 8.

French, George F., assignor to R. French, Manchester, England. Ladder webbing. 2,408,839; Oct. 8.

French, Roger, assignee: *See*—
French, G. F.

Friedman, Abraham, New York, N. Y. Removable shoulder pad. 2,408,840; Oct. 8.

Frische, Carl A., Great Neck, G. P. Bentley, Garden City, and P. Halpert, Kew Gardens, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electrohydraulic control system. 2,408,770; Oct. 8.

Fritschle, Arthur, University City, Mo., assignor to American Smelting and Refining Company, New York, N. Y. Dumping mechanism for molds. 2,409,121; Oct. 8.

Fritzsch, Frank A., assignor to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Machine tool structure. 2,408,841; Oct. 8.

Fuller, Cyril, assignee: *See*—
Burry, Arthur A.

Galvin Manufacturing Corporation, assignee: *See*—
Magnuski, Henry.
Mitchell, Donald H.
Vogel, William W.

Garceau, Lovett, Holliston, Mass. Electroencephalograph device. 2,409,033; Oct. 8.

Garretson, Owen L., Bartlesville, Okla., T. A. St. Clair, Pontiac, and A. R. Olson, Detroit, Mich., assignors to Phillips Petroleum Company. Automatic cylinder filling device. 2,408,842; Oct. 8.

Gauthier, Marcel C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical connector. 2,408,843; Oct. 8.

Gebauer, Adam H., Short Hills, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Treatment of wax-oil mixtures. 2,408,977; Oct. 8.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Bakke, Hans A.
Bany, Herman.
Fink, Lyman R.
Fraenckel, Victor H., and Hansen.
Freese, Charles E.
Gurewitsch, Anatole M.
Hermann, Benjamin R.
Sias, Frederick R., and Pearson.
Tanis, Hubert E., Jr.
Wall, Alexander C.
Warner, Donald F.

General Electric Company Limited, The, assignee: *See*—
Espley, Dennis Clark.

General Mills, Inc., assignee: *See*—
Borchardt, Lester F.

General Motors Corporation, assignee: *See*—
Diedring, John H.
Frederick, Charles W.
Griffith, Bain.
Heath, Robert L., Fisher, and Holbrook.
MacPherson, Earle S.

General Railway Signal Company, assignee: *See*—
Preston, Nell D.

German, Howard M., East Orange, assignor to Driver-Harris Company, Harrison, N. J. An austenitic chromium-nickel-iron. 2,408,771; Oct. 8.

Gernandt, Waldo G., and A. E. Walden, assignors to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,409,034; Oct. 8.

Gibbs, Norman E.: *See*—
Schellens, Eugene L., and Gibbs.

Gibson Refrigerator Company, assignee: *See*—
Rosebrook, Homer E.

Gill, Emerson C., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Holder and positioner for heel parts. 2,408,844; Oct. 8.

Gill, Emerson C., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening-inserting machine. 2,408,845; Oct. 8.

Gillings, Charles, and L. J. Murray, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Crossbar selector switching unit. 2,409,122; Oct. 8.

Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car structure. 2,409,035; Oct. 8.

Gisvold, Ole, assignor to Regents of the University of Minnesota, Minneapolis, Minn. Plant extracts and producing same. 2,408,924; Oct. 8.

Glasser, Charles J., Chicago, Ill. Variable density filter attachment for binoculars. 2,408,772; Oct. 8.

Globe, Samuel: *See*—
Hilsenrath, Joseph, and Globe.

Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Feeding device for combustion chambers. 2,409,036; Oct. 8.

Goddard, Rupert, Havre de Grace, and F. R. Weaver, Edgewood Arsenal, Md. Spray tank for dispersing fluids from aircraft. 2,408,774; Oct. 8.

Golden, Lucius D., and J. K. Gregg, Richmond, assignors to The Perfect Circle Company, Hagerstown, Ind. Antidetonation apparatus for automotive engines. 2,408,846; Oct. 8.

Goldsborough, Shirley L.: *See*—
Mehring, Arthur C., Lensner, and Goldsborough.

Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Position determining system. 2,408,773; Oct. 8.

Goodson, Barrett L.: *See*—
Montgomery, James V., Goodson, and Henry.

Goulding, John P.: *See*—
Lecher, Hans Z., and Goulding.
Lecher, Hans Z., Goulding, and Parker.

Graham, Edmund C.: *See*—
Millott, Arthur T., and Graham.

Graham, John E., Huntingdon, W. Va., assignor to The Watt Car & Wheel Company, Barnesville, Ohio. Buffer and draft gear. 2,408,925; Oct. 8.

Greenwood, Robert P., Youngstown, Ohio, assignor to Pesco Products Co. Booster pump. 2,408,775; Oct. 8.

Gregg, James K.: *See*—
Golden, Lucius D., and Gregg.

Griffith, Bain, assignor to General Motors Corporation, Detroit, Mich. Drive axle. 2,408,926; Oct. 8.

Grilli, John P.: *See*—
Mohr, Albert, Jr., and Grilli.

Griswold, Roger W., II: *See*—
Ludington, Charles T., and Griswold.

Gross, Bernard, and L. W. Cornwall, San Diego, assignors to Rohr Aircraft Corporation, Chula Vista, Calif. Spot-weld edge gauge. 2,408,847; Oct. 8.

Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.

Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Filtering arrangement. 2,408,927; Oct. 8.

Guth, Frederick A., Denver, Ohio. Door construction. 2,409,037; Oct. 8.

Häger, Bror O., assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden. Wood preservatives. 2,408,978; Oct. 8.

Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian steering mechanism. 2,408,928; Oct. 8.

Hajoca Corporation, assignee: *See*—
Dodge, William R.

Halpert, Percy: *See*—
Frische, Carl A., Bentley, and Halpert.

Hammel, Riglander & Co., Inc., assignee: *See*—
Cormier, Louis A.

Hammond Instrument Company, assignee: *See*—
Hammond, Laurens, and Hanert.

Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America. Navigational guide system. 2,408,848; Oct. 8.

Hammond, Laurens, Chicago, Ill. Steering apparatus. 2,408,929; Oct. 8.

Hammond, Laurens, Chicago, and J. M. Hanert, Wilmette, Ill.; said Hanert assignor to Hammond Instrument Company. Frequency meter. 2,408,930; Oct. 8.

Hanert, John M.: *See*—
Hammond, Laurens, and Hanert.

Haney, Clifford I., Greenwich, Conn., M. E. Martin, and T. M. Andrews, Cumberland, Md., assignors to Celanese Corporation of America. Cellulose purification. 2,408,849; Oct. 8.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Magnetron and circuit therefor. 2,409,038; Oct. 8.

Hansen, Hans E.: *See*—
Dunlop, James, and Hansen.

Hansen, Siegfried: *See*—
Fraenckel, Victor H., and Hansen.

Hansen, William W.: *See*—
Varian, Russell H., Hansen, and Woodyard.

Hardy, Edgar E., Anniston, Ala., and G. M. Kosolapoff, Dayton, Ohio, assignors to Monsanto Chemical Company. Halogenated compounds and making same. 2,409,039; Oct. 8.

Harral, Russell L., Jonesboro, Ark. Combination cultivator and row thinner. 2,409,123; Oct. 8.

Harris, Asa J., Balboa, C. Z. Combined sea anchor and stabilizer for boats. 2,409,040; Oct. 8.

Hart, Fred V., Lynn, and L. S. Linderoth, Jr., Marblehead, Mass., assignors, by mesne assignments, to the United States of America, as represented by the Secretary of War. Gun mounting mechanism. 2,409,041; Oct. 8.

Hart, Laurence: *See*—
Clark, Thomas, Windsor, and Hart.

Hawthorne, Wendell P.: *See*—
Woodward, Robert E., Hawthorne, and Meadow.

Heath, Robert L., G. A. Fisher, Jr., and T. R. Holbrook, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Stripping lead from bearings. 2,408,931; Oct. 8.

Heins, Harold: *See*—
Biggs, Orrick H., and Heins.

Held, Hans: *See*—
Weits, John, and Held.

Hendley, James A., assignor to The Russell Manufacturing Company, Middletown, Conn. Corded tape. 2,408,850; Oct. 8.

Henry, Robert W.: *See*—
Montgomery, James V., Goodson, and Henry.

Hermann, Benjamin R., Lanesborough, Mass., assignor to General Electric Company. Insulating guard. 2,409,042; Oct. 8.

Heuser, Ralph V., Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of acrylonitrile. 2,409,124; Oct. 8.

Hillier, Harold, and T. McAlpine, Cathcart, Glasgow, assignors to G. & J. Weir Limited, Glasgow, Scotland. Pump. 2,408,851; Oct. 8.

Hilsenrath, Joseph, and S. Globe, U. S. Navy. Azimuth computer. 2,408,776; Oct. 8.

Hirsch, Sylvan R., assignor to Brunner Manufacturing Company, Utica, N. Y. Compressor unloader. 2,408,932; Oct. 8.

Hobart Manufacturing Company, The, assignee: *See*—
Meeker, David A., and Allen.

Holbrook, Newton D., Thomaston, Conn. Tripod golf bag. 2,408,777; Oct. 8.

Holbrook, Thomas R.: *See*—
Heath, Robert L., Fisher, and Holbrook.

Holcomb, Harry E.: *See*—
Powell, Edward R., and Holcomb.

Holman, Gustave: *See*—
Holman, William and G.

Holman, William and G., Sheboygan, Wis. Frame corner structure. 2,408,852; Oct. 8.

Holt, Sherman H., Tulsa, Okla. Pump plunger. 2,408,979; Oct. 8.

Hoover Company, The, assignee: *See*—
Acheson, Louis K.
Swann, Edward R.
Troxler, Charles G.

Hoover, Samuel R., Philadelphia, Pa., P. J. Allen, Robles del Rio, Calif., and J. Naghski, Philadelphia, Pa. assignors to United States of America as represented by the Secretary of Agriculture. Guayule rubber by fermentation. 2,408,853; Oct. 8.

Hoover, Vaino A., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Stator for electric machines. 2,408,854; Oct. 8.

Horsley, Lee H.: *See*—
Nutting, Howard S., and Horsley.

Huebner, William C., New York, N. Y. Image reverser for cameras. 2,408,855; Oct. 8.

Huffman, Hal C.: *See*—
Parker, Robert L., Jr., and Huffman.

Hunt, Rodney, Machine Company, assignee: *See*—
Belcher, Harold H.

Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Making combs from sheet stock. 2,408,778; Oct. 8.

Hussman, Carl, Chicago, Ill. Vibration absorbing support. 2,408,856; Oct. 8.

Imperial Chemical Industries Limited, assignee: *See*—
Short, Nancy.

Industrial Patents Corporation, assignee: *See*—
Black, Howard C.
Black, Howard C., and Overley.

Inhoffen, Hans H., Berlin-Wilmersdorf, Germany, assignor to Schering Corporation, Bloomfield, N. J. Hydroxylated cyclopentano polyhydrophenanthrene compounds and method of making the same. 2,409,043; Oct. 8.

Interchemical Corporation, assignee: *See*—
Selden, George.

International Standard Electric Corporation, assignee: *See*—
McLarn, Ernest S.

Iverson, John O., assignor to Universal Oil Products Company, Chicago, Ill. Hydrogen fluoride alkylation process. 2,408,933; Oct. 8.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Shaft seal. 2,409,125; Oct. 8.

Jaeger Machine Company, The, assignee: *See*—
Bohmer, Clarence I., and Millikin.

James, Norman L., Ingersoll, Ontario, Canada. Snowplow. 2,408,857; Oct. 8.

Jenks, Frederic A., Mineola, and D. F. Folland, Hempstead, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. High-frequency coaxial distributor and system. 2,408,779; Oct. 8.

Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,409,044; Oct. 8.

Johns-Manville Corporation, assignee: *See*—
Powell, Edward R., and Holcomb.

Johnson, Arvin C., assignee: *See*—
Oliver, Charles C.

Johnson, Carl W., Brooklyn, and J. A. Neumair, Hollis, N. Y., assignor to American Machine & Foundry Company. Slip stitching machine. 2,409,045; Oct. 8.

Johnson, Roy W.: *See*—
Elleman, Tom, and Johnson.

Jones, Lloyd B., Hollidaysburg, Pa. Cushioning steam-actuated valves. 2,408,980; Oct. 8.

Kao, Chung-Chin, New York, N. Y. Meteorological recording method and apparatus. 2,408,780; Oct. 8.

Karelius, Albert C., Altadena, Calif. Lathing. 2,408,781; Oct. 8.

Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom shuttle. 2,408,981; Oct. 8.

Kayser, Julius, & Co., assignee: *See*—
Mack, Sterling C.

Keizer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Adjustment and testing of crystal rectifiers. 2,408,858; Oct. 8.

Kellogg, M. W., Company, The, assignee: *See*—
Belchetz, Arnold.

Kells, Edward L.: *See*—
Miller, Glen W., Kells, and Larsen.

Kendall Company, The, assignee: *See*—
Whitman, Ross C.

Kennelly, Jeremiah D., Oak Park, Ill. Signal device. 2,409,046; Oct. 8.

Kenyon, William O., and D. D. Reynolds, assignors to Eastman Kodak Company, Rochester, N. Y. Synthetic nitrogenous resins and intermediates therefor. 2,409,126; Oct. 8.

Kienle, Roy H., and C. A. Amick, Bound Brook, N. Y., assignors to American Cyanamid Company, New York, N. Y. Quinonylamino-N-alkylenesulfonic acids as printing aids. 2,409,127; Oct. 8.

Kientz, Louis R. J., Paris; vested in the Alien Property Custodian. Making varnishes. 2,408,782; Oct. 8.

King-Seeley Corporation, assignee: *See*—
Ruby, Thomas M.

Kjellgren, Bengt R. F., University Heights, assignor to The Brush Beryllium Company, Cleveland, Ohio. Recovering beryllium sulphate. 2,408,934; Oct. 8.

Klein, Clarence F., assignor to Frankenberg Bros., Inc., Columbus, Ohio. Paperboard coin box. 2,409,047; Oct. 8.

Kloner, Irving I., Brooklyn, N. Y. Extensible lighting fixture. 2,408,783; Oct. 8.

Koenig, Aaron, Far Rockaway, N. Y. Finger ring construction. 2,408,982; Oct. 8.

Kollen, Myron H., Detroit, Mich., assignor to Union Oil Company of California, Los Angeles, Calif. Composition of matter suitable as a hydraulic fluid. 2,408,983; Oct. 8.

Kosolapoff, Gennady M.: *See*—
Hardy, Edgar E., and Kosolapoff.

Krasberg, Rudolf G., Chicago, Ill. Banding means. 2,409,128; Oct. 8.

Kunst, Neil J., Grand Rapids, Mich. Fire basket. 2,408,935; Oct. 8.

La Mere, Frank J., Minneapolis, Minn. Water closet. 2,409,048; Oct. 8.

Lang Joseph C., assignor to Bocji Corporation, Pittsburgh, Pa. Driver for tilt-top staples. 2,409,049; Oct. 8.

Lange, Henry, assignor to The Quincy Stove Manufacturing Company, Quincy, Ill. Gas burner. 2,409,129; Oct. 8.

Lange, Willy, Cincinnati, Ohio, assignor, by direct and mesne assignments, to Ozark Chemical Company, Tulsa, Okla. Production of anhydrous monofluorophosphoric acid. 2,408,785; Oct. 8.

Lange, Willy, and R. Livingston, Cincinnati, Ohio, assignors, by direct and mesne assignments, to Ozark Chemical Company, Tulsa, Okla. Anhydrous monofluorophosphoric acid and producing it. 2,408,784; Oct. 8.

Larsen, Delmar H.: *See*—
Miller, Glen W., Kells, and Larsen.

Lawson, William E., Sr., Rahway, N. J. Toy pistol. 2,408,984; Oct. 8.

Leake, W. E. Company, Inc., assignee: *See*—
Leake, William E., Jr.

Leake, William E., Jr., Birmingham, Ala., assignor to W. E. Leake Company, Inc. Outdoor cooking apparatus. 2,408,859; Oct. 8.

Lear, Incorporated, assignee: *See*—
Lear, William P.

Lear, William P., Piqua, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Radio azimuth compensator. 2,409,130; Oct. 8.

Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Siren for aircraft. 2,409,131; Oct. 8.

Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Reeling mechanism. 2,409,132; Oct. 8.

Lecher, Hans Z., Plainfield, and J. P. Goulding, Neshanic Station, N. J., assignors to American Cyanamid Company, New York, N. Y. N-substituted derivatives of 5-amino-1,3-benzodioxoles. 2,409,133; Oct. 8.

Lecher, Hans Z., Plainfield, J. P. Goulding, Neshanic Station, and R. P. Parker, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Derivatives of 6-amino-1, 3-benzodioxan. 2,409,134; Oct. 8.

Ledwinka, Joseph, Philadelphia, Pa. Propeller drive with pitch-changing mechanism. 2,409,050; Oct. 8.

Leland, Alfred W., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Plow. 2,408,936; Oct. 8.

Leland Stanford Junior University, The Board of Trustees of the, assignee: *See*—
Varian, Russell H., Hansen, and Woodyard.

Lendermon, Homer S., Searcy, Ark. Two-wheeled handle guide tractor. 2,408,937; Oct. 8.

Lensner, Herbert W.: *See*—
Mehring, Arthur C., Lensner, and Goldsborough.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Buoyancy control system. 2,409,135; Oct. 8.

Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,409,051; Oct. 8.

Libbey-Owen Ford Glass Company, assignee: *See*—
Crowley, Joseph P.

Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Condition control. 2,409,136; Oct. 8.

Lindblad, George L., Chicago, Ill. Facial cleaner. 2,408,860; Oct. 8.

Line Material Company, assignee: *See*—
Steinmayer, Alwin G.

Linscott, Leroy N., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Loom. 2,408,861; Oct. 8.

Lisota, Edward, Patterson, Calif. Vehicle bed unloading device. 2,408,862; Oct. 8.

Lisota, Edward, Patterson, Calif. Baled hay elevator. 2,408,863; Oct. 8.

Livingston, Ralph: *See*—
Lange, Willy, and Livingston.

Locke Stove Company, assignee: *See*—
Esson, Edwin.

Lockheed Aircraft Corporation, assignee: *See*—
Bloomfield, John J.
Crot, André.

Lodge & Shipley Machine Tool Company, The, assignee: *See*—
Fritzsch, Frank A.

Lombardi, Anthony J., Floral Park, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Tuning mechanism. 2,408,786; Oct. 8.

Longbottom, Frank J., Philadelphia, Pa. Flash synchronizer for focal-plane shutters. 2,408,864; Oct. 8.

Longley, Kermit D., Philadelphia, assignor to Quaker Chemical Products Corp., Conshohocken, Pa. Separating tall oil into fractions by treatment with levulinic acid ester. 2,409,137; Oct. 8.

Lowell, Edward O., South Pasadena, assignor, by mesne assignments, to Lowell and Grayson Manufacturing Company, Monrovia, Calif. Inserted tooth milling cutter. 2,408,787; Oct. 8.

Lowell and Grayson Manufacturing Company, assignee: *See*—
Lowell, Edward O.

Ludington, Charles T., Ardmore, Pa., and R. W. Griswold, II, Old Lyme, Conn. Airfoil. 2,408,788; Oct. 8.

Luisada, August G., New York, N. Y. Inflatable boat and making same. 2,408,789; Oct. 8.

Mack, Edward L., New York, N. Y. Razor blade and other cutting tool. 2,408,790; Oct. 8.

Mack, Sterling C., Bangor, Pa., assignor to Julius Kayser & Co., Brooklyn, N. Y. Hosiery. 2,409,138; Oct. 8.

Mackaye, Henry D., Detroit, Mich. Oil burner. 2,408,865; Oct. 8.

MacLean, James M., Detroit, Mich. Wheel. 2,409,052; Oct. 8.

MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Wheel brake. 2,408,938; Oct. 8.

Madison Manufacturing Company, assignee: *See*—
Steiner, Herman L.

Magee, Kenneth L., Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis. Agricultural machine. 2,408,939; Oct. 8.

Magill, Ellis M.: *See*—
Wilckens, Eibe A., and Magill.

Magnuski, Henry, assignor to Galvin Manufacturing Corporation, Chicago, Ill. Radio communication system. 2,408,791; Oct. 8.

Magnuski, Henry, assignor to Galvin Manufacturing Corporation, Chicago, Ill. Radio receiving system. 2,409,139; Oct. 8.

Mahan, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of esters. 2,408,940; Oct. 8.

Malcom, Robert L., assignor to Chicago Eye Shield Company, Chicago, Ill. Industrial eyeshield. 2,409,140; Oct. 8.

Mallory, B. L., Company, The, assignee: *See*—
Mallory, Bonnie L.

Mallory, Bonnie L., Cleveland Heights, Ohio, assignor to The B. L. Mallory Company, Hazel Park, Mich. Shock absorber. 2,408,985; Oct. 8.

Mallory, Marion, Detroit, Mich. Engine governor. 2,409,053; Oct. 8.

Margolin, Meyer, Elgin, Ill. Arch support. 2,408,792; Oct. 8.

Margolis, Louis, assignor of five per cent to E. Berger, Washington, D. C. Rotary internal-combustion engine. 2,409,141; Oct. 8.

Marisic, Milton M., Woodbury, and A. C. Schmitt, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Gel bead. 2,408,986; Oct. 8.

Marquardt, Leonard A., Elmhurst, assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. 2,408,866; Oct. 8.

Martin, Mervin E.: *See*—
Haney, Clifford I., Martin, and Andrews.

Marvel Equipment Corporation, assignee: *See*—
Roethel, John H.

Mason, Weyne V., Scotch Plains, assignor to Elastic Stop Nut Corporation, Union, N. J. Manufacture of nuts and the like. 2,408,793; Oct. 8.

Mathieson Alkali Works, Inc., The, assignee: *See*—
Vincent, George P.

Matte, Andrew L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier wave signal system. 2,408,794; Oct. 8.

Matuszak, Maryan P., Bartlesville, Okla., and G. H. Morey, Terre Haute, Ind., assignors to Phillips Petroleum Company. Catalytic process. 2,408,987; Oct. 8.

Mavity, Julian M., and W. E. Moss, assignors to Universal Oil Products Company, Chicago, Ill. Production of isoparaffins. 2,408,941; Oct. 8.

Mawen Motor Corporation, assignee: *See*—
Meyer, André J.

Mayer, Hans: *See*—
Straub, Fritz, Brassel, and Mayer.

McAlpine, Thomas: *See*—
Hillier, Harold, and McAlpine.

McBerty, Frank R., Mansfield, assignor to The North Electric Manufacturing Company, Galion, Ohio. Relay construction. 2,409,054; Oct. 8.

McCann, John J., Lowell, Mass. Making helmet ear muffs. 2,409,055; Oct. 8.

McClain, Herbert K., Wyoming, Ohio, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Soap composition. 2,409,056; Oct. 8.

McCollum, Henry J. D., deceased, Chicago, Ill.; T. McCollum, executrix. Utilizing radiant heat in aircraft. 2,408,867; Oct. 8.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.

McCoy, Clarence E., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus. 2,409,142; Oct. 8.

McElhinney, Eric M., and J. A. Podhajsky, Tama County, Iowa. Loader. 2,409,143; Oct. 8.

McElroy, Frank H., Jersey Shore, Pa. Centrifugal type fluid clutch. 2,408,988; Oct. 8.

McGlone, John F., San Diego, Calif. Control means for fluid pressure motors. 2,408,795; Oct. 8.

McGrath, Ellen E.: *See*—
McGrath, Robert A., Sr., and E. E.

McGrath, Robert A., Sr., and E. E., Brooklyn, N. Y. Dowel bar protector. 2,408,989; Oct. 8.

McGraw Electric Company, assignee: *See*—
Osterheld, Clark M.
Scharf, Frank W.

McLarn, Ernest S., Manhasset, assignor to International Standard Electric Corporation, New York, N. Y. Telephone instrument. 2,408,796; Oct. 8.

McPheters, Erwin R., Boise, Idaho. Ore concentrating table. 2,408,797; Oct. 8.

Meadow, Jacob R.: *See*—
Woodward, Robert E., Hawthorne, and Meadow.

Meeker, David A., Troy, and K. C. Allen, Dayton, assignors to The Hobart Manufacturing Company, Troy, Ohio. Scale. 2,408,942; Oct. 8.

Mehring, Arthur C., H. W. Lensner, East Orange, and S. L. Goldsborough, Basking Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Carrier-current phase-angle relaying system. 2,408,868; Oct. 8.

Meinert, Richard N., Westfield, N. J., assignor to Standard Oil Development Company. Alkylation of mixed olefins. 2,408,798; Oct. 8.

Meinke, Arthur E., Minneapolis, Minn. Piston. 2,409,057; Oct. 8.

Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,408,943; Oct. 8.

Melichar, Joseph F., assignor to The Parker Appliance Company, Cleveland, Ohio. Shuttle valve. 2,408,799; Oct. 8.

Merrell, Wm. S., Company, The, assignee: *See*—
Shelton, Robert S., and Van Campen.

Metal Hydrides Incorporated, assignee: *See*—
Alexander, Peter P.

Meyer, André J., Lexington, Ky., assignor to Mawen Motor Corporation, New York, N. Y. Engine. 2,408,800; Oct. 8.

Michigan Tool Company, assignee: *See*—
Pelphrey, Harry.

Miller, Albert W., Jamaica, N. Y. "C" clamp. 2,408,801; Oct. 8.

Miller, Glen W., Glendale, E. L. Kells, Montrose, and D. H. Larsen, Los Angeles, Calif. Absorption refrigeration cycle. 2,408,802; Oct. 8.

Miller, John H., Short Hills, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Exposure meter. 2,408,944; Oct. 8.

Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.

Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Apparatus for preparing clay for jiggering in the manufacture of potteryware. 2,408,803; Oct. 8.

Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Apparatus for manufacturing jiggered potteryware. 2,408,804; Oct. 8.

Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Apparatus for the manufacture of potteryware. 2,409,172; Oct. 8.

Millikin, Arnold S.: *See*—
Bohmer, Clarence I., and Millikin.

Millott, Arthur T., and E. C. Graham, assignors to Conditioned Air Equipment Co., Minneapolis, Minn. Refrigerator. 2,408,805; Oct. 8.

Mills, Gillis A., Pikesville, Md. Game. 2,409,144; Oct. 8.

Miner, W. H., Inc., assignee: *See*—
Marquardt, Leonard A.

Mitchell, Donald H., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Control system for wave-signal receivers. 2,409,058; Oct. 8.

Mitchell, John E. M., Parkersburg, W. Va., assignor to Porcelain Products, Inc., Findlay, Ohio. Bushing insulator. 2,408,990; Oct. 8.

Mohr, Albert, Jr., and J. P. Grilli, Chicago, Ill. Blast furnace charging system. 2,408,945; Oct. 8.

Monsanto Chemical Company, assignee: *See*—
Hardy, Edgar E., and Kosolapoff.

Montgomery, James V., Brownwood, Tex., L. B. Goodson, Fort Schuyler, N. Y., and R. W. Henry, Bartlesville, Okla., assignors to Phillips Petroleum Company. Refining mineral oils. 2,409,059; Oct. 8.

Moore, Harold A., Riverhead, N. Y., assignor to Radio Corporation of America. Lightweight masts. 2,409,060; Oct. 8.

Morey, Glen H.: *See*—
Matuszak, Maryan P., and Morey.

Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Scraper. 2,408,806; Oct. 8.

Morris, Bert M., Co., assignee: *See*—
Fleming, Robert B.

Morris, Frank A., assignor to Stromberg-Carlson Company, Rochester, N. Y. Control and trigger circuit for telephone systems and the like. 2,409,145; Oct. 8.

Morris, Rupert C.: *See*—
Evans, Theodore W., Morris, and Shokal.

Morse, Erwin E.: *See*—
Alston, Paul W., and Morse.

Moss, Walter E.: *See*—
Mavity, Julian M., and Moss.

Motel, John, Cleveland, Ohio. Shutter for fishing nets. 2,409,146; Oct. 8.

Mount Sinai Hospital Research Foundation, Inc., assignee: *See*—
Sobotka, Harry.

Mullen, Thomas W., Evansville, Ind. Towel rack. 2,408,869; Oct. 8.

Mumma, George E., Winnetka, assignor to Sears, Roebuck and Company, Chicago, Ill. Warm air furnace. 2,408,991; Oct. 8.

Murdoch, Robert P., Mount Lebanon, Pa. Aircraft landing gear. 2,408,870; Oct. 8.

Murray, Lawrence J.: *See*—
Gillings, Charles, and Murray.

Naghski, Joseph: *See*—
Hoover, Samuel R., Allen, and Naghski.

Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Landing gear actuator. 2,408,992; Oct. 8.

Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Actuator unit for retractable landing gears. 2,408,993; Oct. 8.

National Automatic Tool Company, Inc., assignee: *See*—
Schafer, Robeft A., and Rodal.

National Fireworks, Inc., assignee: *See*—
Davis, Tenney L.

Nelson, Fred N., assignor to Safety Boat Company, Seattle, Wash. Floating naval base and harbor. 2,408,871; Oct. 8.

Nelson, Harold R., Detroit, Mich. Polishing wheel and cement therefor. 2,408,946; Oct. 8.

Nelson Neil A.: *See*—
Fox, Joseph E., Nelson, and Quincy.

Neuhaus, Elmer C., Chicago, and C. W. Verrill, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming and assembling articles. 2,409,147; Oct. 8.

Neumair, Joseph A.: *See*—
Johnson, Carl W., and Neumair.

Newbold, Park L., Cedar Rapids, Iowa. Hog trap. 2,408,872; Oct. 8.

Nihon, Alexis, Dorval, Quebec, Canada. Picture frame or the like. 2,408,994; Oct. 8.

Niles-Bement-Pond Company, assignee: *See*—
Drake, Alden M.

Noblett-Sparks Industries, Inc., assignee: *See*—
Booth, Earl C.

Norman, George, assignor to Spalding Knitting Mills, Griffin, Ga. Knitting method and machine. 2,408,807; Oct. 8.

Norris, Richard O., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Beta-amino, beta-propyl glutaronitriles and preparing them. 2,409,061; Oct. 8.

North Electric Manufacturing Company, The, assignee: *See*—
McBerty, Frank R.

Nu Pocket Method Co., The, assignee: *See*—
Falk, Irving M.

Nutting, Howard S., and L. H. Horsley, assignors to The Dow Chemical Company, Midland, Mich. Azeotropic distillation of aliphatic hydrocarbons having the formulas C_nH_{2n} and C_nH_{2n-2} from hydrocarbon mixtures comprising same. 2,408,947; Oct. 8.

Ocon, Cecilio L., and E. A. Ocon, Yonkers, N. Y.; said Cecilio L. Ocon assignor to said Ernest A. Ocon. Catalytic hydrocarbon reforming process. 2,408,948; Oct. 8.

Ocon, Ernest A.: *See*—
Ocon, Cecilio L., and E. A.

Oliver, Charles C., assignor of one-half to A. C. Johnson, New Orleans, La. Steering column. 2,409,062; Oct. 8.

Olson, Andrew R.: *See*—
Garretson, Owen L., St. Clair, and Olson.

Opheim, Norris B.: *See*—
Pigott, Jack, and Opheim.

Osplack, Joseph J., assignor to Vinco Corporation, Detroit, Mich. Spindle bearing. 2,408,995; Oct. 8.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Snap acting thermostatic switch. 2,408,873; Oct. 8.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Thermal retarder. 2,408,874; Oct. 8.

Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system. 2,409,063; Oct. 8.

Overley, Charles A.: *See*—
Black, Howard C., and Overley.

Ozark Chemical Company, assignee: *See*—
Lange, Willy.
Lange, Willy, and Livingston.

Parke, Davis & Company, assignee: *See*—
Wagner, Romeo B.

Parker Appliance Company, The, assignee: *See*—
Melichar, Joseph F.

Parker, Robert L., Jr., South Pasadena, and H. C. Huffman, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif. Catalyst rejuvenation. 2,408,996; Oct. 8.

Parker, Robert P.: *See*—
Lecher, Hans Z., Goulding, and Parker.

Parkins, Wright A., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Piston. 2,408,875; Oct. 8.

Parsons, Robert J., Schenectady, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Damper control. 2,409,064; Oct. 8.

Paulus, Charles L., and R. K. Stout, Dayton, Ohio. Automatic clutch and brake for electric motors and generators. 2,408,808; Oct. 8.

Pearson, Donald B.: *See*—
Sias, Frederick R., and Pearson.

Pelphrey, Harry, assignor to Michigan Tool Company, Detroit, Mich. Hob grinder. 2,408,949; Oct. 8.

Perfect Circle Company, The, assignee: *See*—
Golden, Lucius D., and Gregg.

Pesco Products Co., assignee: *See*—
Greenwood, Robert P.

Peterson, Carl D., and R. R. Burkhalter, Toledo, Ohio. Synchronizing clutch construction. 2,409,148; Oct. 8.

Phillips Petroleum Company, assignee: *See*—
Drennan, Harry E.
Garretson, Owen L., St. Clair, and Olson.
Mahan, John E.
Matuszak, Maryan P., and Morey.
Montgomery, James V., Goodson, and Henry.
Schulze, Walter A., and Alden.

Pierce, John R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode beam tube and velocity control electrode. 2,408,809; Oct. 8.

Pigott, Jack, and N. B. Opheim, Newport News, Va. Attachment for lathes. 2,408,876; Oct. 8.

Pikul, Joseph H., West Newton, Mass., assignor to The Reece Corporation. Stitch formation. 2,409,149; Oct. 8.

Pinder, Thomas, Scarborough, England. Coupling for model railway vehicles and the like. 2,408,877; Oct. 8.

Pines, Herman, and H. S. Bloch, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,408,950; Oct. 8.

Plessey Company Limited, The, assignee: *See*—
Pugh, Cyril A.

Podhajsky, James A.: *See*—
McElhinney, Eric M., and Podhajsky.

Pohl, Ernest E., Elmhurst, N. Y., assignor to American Machine & Foundry Company. End labeling mechanism. 2,409,065; Oct. 8.

Pollard, Willard L., Evanston, Ill. Transmission and control therefor. 2,408,951; Oct. 8.

Porcelain Products, Inc., assignee: *See*—
Mitchell, John E. M.

Powell, Edward R., North Plainfield, N. J., and H. E. Holcomb, Stratford, Conn., assignors to Johns-Manville Corporation, New York, N. Y. Manufacture of felted products. 2,409,066; Oct. 8.

Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Communication system. 2,408,878; Oct. 8.

Procter and Gamble Company, The, assignee: *See*—
McClain, Herbert K.

Prosperity Company, Inc., The, assignee: *See*—
Davis, Ernest.

Puening, Franz, Bethlehem, Pa. Method and apparatus for preparing coal for coking. 2,408,810; Oct. 8.

Pugh, Cyril A., assignor to The Plessey Company Limited, Ilford, England. Carburation apparatus for internal-combustion engines and the like. 2,408,879; Oct. 8.

Pure Oil Company, The, assignee: *See*—
Thacker, Carlisle M., and Bell.

Quaker Chemical Products Corp., assignee: *See*—
Longley, Kermit D.

Quincy Stove Manufacturing Company, The, assignee: *See*—
Lange, Henry.

Quincy, William S., Jr.: *See*—
Fox, Joseph E., Nelson, and Quincy.

Radio Corporation of America, assignee: *See*—
Bliss, Warren H.
Blitz, Daniel.
Eaton, Thomas T.
Hammond, John H., Jr.
Hansell, Clarence W.
Keizer, Eugene O.
Moore, Harold A.
Rettenmeyer, Francis X.
Thompson, Harry C.
Turner, Alfred H.

Raney, Charlie, Brownfield, Tex. Grain handling machine. 2,408,952; Oct. 8.

Rauland Corporation, The, assignee: *See*—
Szegho, Constantin S.

Ray, Joseph E., Denver, Colo. Reed sander. 2,408,953; Oct. 8.

Ray, William A., Glendale, Calif., assignor to General Controls Co. Fuel supply system. 2,408,954; Oct. 8.

Rebers, Paul A., Minneapolis, Minn. Artificial hand. 2,408,880; Oct. 8.

Reece Corporation, The, assignee: *See*—
Pikul, Joseph H.

Reed, Claude A., Omaha, Nebr. Making palatable material. 2,409,067; Oct. 8.

Reed Roller Bit Company, assignee: *See*—
Stokes, John C.

Regents of the University of Minnesota, assignee: *See*—
Gisvold, Ole.

Resk, Michel, New Rochelle, N. Y. Professional photographic camera. 2,408,811; Oct. 8.

Rettenmeyer, Francis X., Moorestown, N. J., assignor to Radio Corporation of America. Ultra high frequency ignition system. 2,408,881; Oct. 8.

Reynolds, Delbert D.: *See*—
Kenyon, William O., and Reynolds.

Reynolds, George A., Jr., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian steering device. 2,408,955; Oct. 8.

Rhodes, M. H., Inc., assignee: *See*—
Rhodes, Marcus H.

Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Timing device. 2,408,997; Oct. 8.

Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Escapement. 2,408,998; Oct. 8.

Rice, Thomas G., Huyton, near Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electrical circuit employing nonlinear resistance material. 2,409,150; Oct. 8.

Ridbo Laboratories, Inc., assignee: *See*—
Webb, Frederick J.

Rieke, Sidney C., Mission, Tex. Waxing machine. 2,408,812; Oct. 8.

Riggs, Alger S., Washington, D. C., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Apparatus for electrical control. 2,408,813; Oct. 8.

Rissler, Lennie R.: *See*—
Dunlop, James, and Rissler.

Robbins, Leo, assignor to Roberts Manufacturing Co., New York, N. Y. Swaging machine. 2,408,882; Oct. 8.

Roberts Manufacturing Co., assignee: *See*—
Robbins, Leo.

Robertson, Anthony E., Roselle, N. J., assignor to Standard Oil Development Company. Motor fuels. 2,408,999; Oct. 8.

Rodal, Ralph B.: *See*—
Schafer, Robert A., and Rodal.

Rode, Fredrich J., Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y. Solenoid controlled valve. 2,408,883; Oct. 8.

Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window regulator. 2,409,068; Oct. 8.

Rogers, Donald H., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical regulating device. 2,409,151; Oct. 8.

Rohr Aircraft Corporation, assignee: *See*—
Gross, Bernard, and Cornwall.

Rollin, Harvey G., assignor to Deere & Company, Moline, Ill. Clutch adjusting mechanism. 2,408,884; Oct. 8.

Romain, Fred, Chester, Mont. Horn weight. 2,408,956; Oct. 8.

Romme, William S., Stamford, Conn. Necktie. 2,408,885; Oct. 8.

Rosebrook, Homer E., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Refrigerator. 2,409,069; Oct. 8.

Rubenstein, Albert, Washington, D. C. Crayon. 2,409,000; Oct. 8.

Ruby, Thomas M., Whitmore Lake, assignor to King-Seeley Corporation, Ann Arbor, Mich. Speed governor. 2,409,070; Oct. 8.

Rundell, Raymond R., Miami, Fla. Swinging bracket. 2,409,152; Oct. 8.

Russell, Harold D., and J. I. Crabtree, assignors to Eastman Kodak Company, Rochester, N. Y. Processing apparatus. 2,409,153; Oct. 8.

Russell Manufacturing Company, The, assignee: *See*—
Hendley, James A.

Safety Boat Company, assignee: *See*—
Nelson, Fred N.

Safety Tank Truck Corporation, assignee: *See*—
Scott, Carlyle H. and P. H.

St. Clair, Theodore A.: *See*—
Garretson, Owen L., St. Clair, and Olson.

Sanders, Sam: *See*—
Steinberger, Harry J., and Sanders.

Schafer, John V., Bronson, Mich. Fishing reel. 2,409,154; Oct. 8.

Schafer, Robert A., and R. B. Rodal, assignors to National Automatic Tool Company, Inc., Richmond, Ind. Remote control apparatus for machine tools. 2,408,957; Oct. 8.

Scharf, Frank W., San Gabriel, Calif., assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 2,408,886; Oct. 8.

Schellens, Eugene L., Essex, and N. E. Gibbs, Old Lyme, assignors to The R. W. Cramer Company, Incorporated, Centerbrook, Conn. Radio transmission apparatus. 2,409,155; Oct. 8.

Schering Corporation, assignee: *See*—
Inhoffen, Hans H.

Schmitt, Arthur C.: *See*—
Marisic, Milton M., and Schmitt.

Schriner, Carl A., assignor of one-half to L. A. Snyder, Defiance, Ohio. Screw driver. 2,408,887; Oct. 8.

Schulze, Walter A., and R. C. Alden, Bartlesville, Okla., assignors to Phillips Petroleum Company. Fuel composition. 2,409,156; Oct. 8.

Schulze, Walter A., and R. C. Alden, Bartlesville, Okla., assignors to Phillips Petroleum Company. Fuel composition. 2,409,157; Oct. 8.

Scott, Carlyle H., Forest Hills, and P. H. Scott, Flushing, assignors to The Safety Tank Truck Corporation, New York, N. Y. Venting and discharge valves for tanks. 2,409,071; Oct. 8.

Scott, Paul H.: *See*—
Scott, Carlyle H. and P. H.

Seagram, Joseph E. & Sons, Inc., assignee: *See*—
Altsheler, William B.

Sears, Roebuck and Co., assignee: *See*—
Cross, Robert C.
Mumma, George E.

Selden, George, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y. Temporary coating. 2,408,814; Oct. 8.

Seng Company, The, assignee: *See*—
Elleman, Tom, and Johnson.

Seward, Emory A., Evanston, Ill. Sanding block. 2,408,815; Oct. 8.

Seymour Manufacturing Co., assignee: *See*—
Freed, Meyer L.
Freed, Meyer L., and Stocker.

Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Ignition furnace. 2,409,072; Oct. 8.

Shankland, Rodney V.: *See*—
Baillie, James C., and Shankland.

Shapiro, Maurice M., Cabin John, Md. Piezoelectric gauge and making the same. 2,408,816; Oct. 8.

Shell Development Company, assignee: *See*—
Evans, Theodore W., Morris, and Shokal.

Shelton, Robert S., Mariemont, and M. G. Van Campen, Jr., Silverton, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Esters of dimethylaminoethanol useful as local anesthetics. 2,409,001; Oct. 8.

Shokal, Edward C.: *See*—
Evans, Theodore W., Morris, and Shokal.

Shoop, Charles T., College Point, N. Y. Manicure device. 2,408,888; Oct. 8.

Short, Nancy, Runcorn, England, assignor to Imperial Chemical Industries Limited. Production of organic compounds. 2,408,889; Oct. 8.

Sias, Frederick R., Lynfield Center, and D. B. Pearson, Marblehead, Mass., assignor to General Electric Company. Capacitor fuel gauge. 2,409,073; Oct. 8.

Siemens Brothers & Co. Limited, assignee: *See*—
Christian, David A.

Simpson, John, Jr., and J. Williams, North Tiverton, R. I., assignor to John Simpson, Jr., North Tiverton, R. I. Apparatus for trimming commutators. 2,409,158; Oct. 8.

Sinclair Refining Company, assignee: *See*—
Norris, Richard O.

Singleton, Joseph L., Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Elastic fluid conditioning apparatus. 2,409,159; Oct. 8.

Sirp, Emil, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Work support. 2,409,160; Oct. 8.

Sivertsen, Jens, Philadelphia, Pa. Bourdon tube. 2,409,161; Oct. 8.

Skinner, Davis A.: *See*—
Doumani, Thomas F., and Skinner.

Smardon, George W.: *See*—
Cross, Robert C., and Smardon.

Smith, Alexander, & Sons Carpet Company, assignee: *See*—
Linscott, Leroy N.

Smith, Edwin G., Mount Lebanon, Pa., assignor, by mesne assignments, to Union Industries, Incorporated, Grantsville, Md. Method and apparatus for supplying pulverized coal and air to furnaces. 2,409,002; Oct. 8.

Smith, William H., Evanston, Ill. Bearing servicing equipment. 2,408,958; Oct. 8.

Snow, Donald L., Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc. Electron discharge apparatus. 2,408,817; Oct. 8.

Snyder, Lester A., assignee: *See*—
Schriner, Carl A.

Snyder, Roger M., Norfolk County, Va., assignor to The Union Switch and Signal Company, Swissvale, Pa. Drawbridge interlocking. 2,409,074; Oct. 8.

Sobotka, Harry, New York, N. Y., assignor to Mount Sinai Hospital Research Foundation, Inc. Medicated surgical dressings. 2,408,818; Oct. 8.

Society of Chemical Industry in Basle, assignee: *See*—
Straub, Fritz, Brassel, and Mayer.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Marisic, Milton M., and Schmitt.
Woodward, Robert E., Hawthorne, and Meadow.

Soprounoff, Theodore P., New York, N. Y. Internal-combustion engine. 2,408,890; Oct. 8.

Sorensen, Edward M., Dayton, Ohio. Radio remote control system. 2,408,819; Oct. 8.

Spalding Knitting Mills, assignee: *See*—
Norman, George.

Sparks, William N.: *See*—
Baird, William J., and Sparks.

Sperry Gyroscope Company, Inc., assignee: *See*—
Frische, Carl A., Bentley, and Halpert.
Jenks, Frederic A., and Folland.
Lombardi, Anthony J.
Riggs, Alger S.
Snow, Donald L.
Stearns, Horace M.

Sprague Electric Company, assignee: *See*—
Burnham, John.

Stamm, Benjamin I. J., New York, N. Y. Water heater and boiler. 2,408,820; Oct. 8.

Standard Oil Company, assignee: *See*—
Bailie, James C., and Shankland.

Standard Oil Company, The, assignee: *See*—
Burk, Robert E.

Standard Oil Development Company, assignee: *See*—
De Vertér, Paul L.
Duncan, Gordon W.
Meinert, Richard N.
Robertson, Anthony E.
Webber, William O.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Gilpin, Garth G.
Swann, James S.
Zeidler, Kurt E.

Starck, Arthur M., Stamford, Conn. Extensible stand. 2,409,075; Oct. 8.

Staud, Cyril J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic material. 2,409,162; Oct. 8.

Stearns, Horace M., Merrick, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic volume control. 2,408,821; Oct. 8.

Steel Heddle Manufacturing Company, assignee: *See*—
Kaufmann, John J., Jr.

Stegemeyer, Lou A., assignor to Emery Industries, Inc., Cincinnati, Ohio. Production of primary amines. 2,408,959; Oct. 8.

Steinberger, Harry J., and S. Sanders, Artesia, N. Mex. Swingable road sign. 2,409,076; Oct. 8.

Steiner, Herman L., assignor to Madison Manufacturing Company, Muskegon, Mich. Cutter. 2,408,891; Oct. 8.

Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Expulsion fuse. 2,409,077; Oct. 8.

Stever, William, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa. Backing pad for abrasive disks. 2,409,163; Oct. 8.

Stivason, William L., Hamilton Square, N. J., assignor to Whitehead Bros. Rubber Company, Trenton, N. J. Flexible pipe coupling. 2,409,960; Oct. 8.

Stocker, Oscar A.: *See*—
Freed, Meyer L., and Stocker.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Slush tube. 2,408,892; Oct. 8.

Stout, Raymond K.: *See*—
Paulus, Charles L., and Stout.

Straub, Fritz, Kaiseraugst, near Basel, J. Brassel, and H. Mayer, assignors to the firm Society of Chemicals Industry in Basle, Basel, Switzerland. Trisazo metallizable dyestuffs. 2,408,961; Oct. 8.

Stromberg-Carlson Company, assignee: *See*—
Morris, Frank A.

Sun Oil Company, assignee: *See*—
Winn, William E., and Dougherty.

Swan, Kenneth C., and N. G. White, Iowa City, Iowa. Choline-like compounds. 2,408,893; Oct. 8.

Swann, Edward R., Floral Park, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,409,078; Oct. 8.

Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car roof structure. 2,409,079; Oct. 8.

Swenson, Carl E., and A. Y. Dodge, Rockford, Ill. One-way clutch and bearing. 2,408,962; Oct. 8.

Swern, Daniel: *See*—
Wells, Percy A., and Swern.

Sylvania Electric Products Inc., assignee: *See*—
Biggs, Orrick H., and Heins.

Szegho, Constantin S., New York, N. Y., assignor to The Rauland Corporation, Chicago, Ill. Electrode. 2,408,894; Oct. 8.

Tanis, Hubert E., Jr., Schenectady, N. Y., assignor to General Electric Company. Electrical discharge device. 2,408,822; Oct. 8.

Tauch, Ernest J., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulphamic acid. 2,408,823; Oct. 8.

Taylor, Owen L.: *See*—
Ellis, Delbert, Taylor, and Basnett.

Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Telephone system. 2,409,164; Oct. 8.

Teleregister Corporation, The, assignee: *See*—
Bush, George L.

Teletype Corporation, assignee: *See*—
Burcky, Charles W.

Texaco Development Corporation, assignee: *See*—
Veltman, Preston L.

Thacker, Carlisle M., and Richmond T. Bell, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Preparation of alkylated cyclic hydrocarbons. 2,409,080; Oct. 8.

Thompson, Harry C., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,409,165; Oct. 8.

Thor, Clifford J. B.: *See*—
Bordenca, Carl, and Thor.

Tide Water Associated Oil Company, assignee: *See*—
Gebauer, Adam H.

Torrens, Julia R. W., Lake Jackson, Tex. Ornamental hair curler cover. 2,409,081; Oct. 8.

Tracy, John M., and H. G. Veeder, Loudonville, N. Y. Signal device. 2,409,166; Oct. 8.

Troxler, Charles G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,409,082; Oct. 8.

Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Ultra high frequency tuner. 2,408,895; Oct. 8.

Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Microwave multiband tuner. 2,408,896; Oct. 8.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle with rubber tip. 2,409,003; Oct. 8.

Union Industries, Incorporated, assignee: *See*—
Smith, Edwin G.

Union Oil Company of California, assignee: *See*—
Doumani, Thomas F., and Skinner.
Kollen, Myron H.
Parker, Robert L., Jr., and Huffman.

Union Switch & Signal Company, The, assignee: *See*—
Jerome, Arthur L.
Lewis, Lloyd V.
Snyder, Roger M.

United Aircraft Corporation, assignee: *See*—
Parkins, Wright A.

United-Rexall Drug Company, assignee: *See*—
Fero, George G.

United Shoe Machinery Corporation, assignee: *See*—
Crawford, William A.
Gill, Emerson C.

United States Rubber Company, assignee: *See*—
Evert, Ralph W.

U. S. Slicing Machine Co., assignee: *See*—
Ahrndt, Arthur H.

Universal Oil Products Company, assignee: *See*—
Iverson, John O.
Mavity, Julian M., and Moss.
Mekler, Lev A.
Pines, Herman, and Bloch.

Valverde, Robert, New York, N. Y. Enclosure for bassinets. 2,409,083; Oct. 8.

Van Campen, Marcus G., Jr.: *See*—
Shelton, Robert S., and Van Campen.

Varela, Arthur A., Washington, D. C. Impulse generator. 2,408,824; Oct. 8.

Varian, Russell H., Wantagh, and W. W. Hansen, and J. R. Woodyard, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Object detecting and locating system. 2,408,825; Oct. 8.

Veeder, Harold G.: *See*—
Tracy, John M., and Veeder.

Veltman, Preston L., Port Arthur, Tex., assignor to Texaco Development Corporation, Jersey City, N. J. Motor fuels. 2,409,167; Oct. 8.

Verrill, Charles W.: *See*—
Neuhaus, Elmer C., and Verrill.

Vincent, George P., Poughkeepsie, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Bleaching and sterilizing starch. 2,409,084; Oct. 8.

Vincent, George P., Briarcliff Manor, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Starch solubilization. 2,409,085; Oct. 8.

Vinco Corporation, assignee: *See*—
Osplack, Joseph J.

Visking Corporation, The, assignee: *See*—
Bordenca, Carl, and Thor.

Vogel, William W., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Combined frequency modulation radio transmitter and receiver. 2,408,826; Oct. 8.

Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,827; Oct. 8.

Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,828; Oct. 8.

Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,829; Oct. 8.

Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,830; Oct. 8.

Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,831; Oct. 8.

Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Pseudokryptogenin and its diacetate. 2,408,832; Oct. 8.

Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,833; Oct. 8.

Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,834; Oct. 8.

Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,835; Oct. 8.

Walden, Alfred E.: *See*—
Gernandt, Waldo G., and Walden.

Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction products of nitriles and aldehydes. 2,409,086; Oct. 8.

Walker, Nevilles E., Portland, Oreg. Distant control. 2,409,168; Oct. 8.

Walker, O. S., Company, Inc., assignee: *See*—
Carson, George J.

Wall, Alexander, Indianapolis, Ind., assignor to General Electric Company. Multicircuit connector. 2,409,004; Oct. 8.

War, United States of America as represented by the Secretary of, assignee: *See*—
Hart, Fred V., and Linderoth.

Warner, Donald F., Swampscott, Mass., assignor to General Electric Company. Barometric fuel valve. 2,408,836; Oct. 8.

Watt Car & Wheel Company, The, assignee: *See*—
Graham, John E.

Weaver, Fleming R.: *See*—
Goddard, Rupert, and Weaver.

Webb, Frederick J., Passaic, assignor to Ridbo Laboratories, Inc., Paterson, N. J. Process for preparing stable rosin esters. 2,409,173; Oct. 8.

Webber, William O., Baytown, Tex., assignor to Standard Oil Development Company. Treating emulsions. 2,409,005; Oct. 8.

Weinberger, Jan V., Truro, Nova Scotia, Canada. Woven cloth. 2,409,087; Oct. 8.

Weir, G. & J., Limited, assignee: *See*—
Hillier, Harold, and McAlpine.

Weits, John, Baldwin, Long Island, and Hans Held, Flushing, N. Y. Device for washing and conditioning air and gases. 2,409,088; Oct. 8.

Wells, Percy A., Abington, and D. Swern, Melrose Park, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Derivatives of isoascorbic acid. 2,408,897; Oct. 8.

Westcamp, Leslie L., North Sacramento, Calif. Aircraft landing wheel rotator. 2,408,963; Oct. 8.

Western Electric Company, Incorporated, assignee: *See*—
Gauthier, Marcel C.
McCoy, Clarence E.
Neuhaus, Elmer C., and Verrill.
Rogers, Donald H.
Sirp, Emil.

Westinghouse Electric Corporation, assignee: *See*—
Cody, Clifford S.
Dunlop, James.
Eberhart, Arthur H.
Ellis, Delbert, Taylor, and Basnett.
Leonard, Merrill G.
Mehring, Arthur C., Lensner, and Goldsborough.
Whittaker, Charles C.

Weston Electrical Instrument Corporation, assignee: *See*—
Miller, John H.

White, Norman G.: *See*—
Swan, Kenneth C., and White.

Whitehead Bros. Rubber Company, assignee: *See*—
Stivason, William L.

Whitman, Ross C., Walpole, assignor to The Kendall Company, Boston, Mass. Directionally stiff woven fabric and method. 2,409,089; Oct. 8.

Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switching means. 2,408,837; Oct. 8.

Whittaker, Charles C., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for exhausting ballast from torpedoes. 2,409,169; Oct. 8.

Wilckens, Elbe A., and E. M. Magill, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Conveyer loading mechanism. 2,408,838; Oct. 8.

Williams, James: *See*—
Simpson, John, Jr., and Williams.

Williams, Russell J.: *See*—
Brady, Charles V., and Williams.

Wilmsen, Joseph, Rushland, Pa. Chenille making machine. 2,408,898; Oct. 8.

Windsor, Edward V.: *See*—
Clark, Thomas, Windsor, and Hart.

Winn, William E., Dallas, Tex., and P. F. Dougherty, Chester, Pa., assignor to Sun Oil Company, Philadelphia, Pa. Logging wells. 2,408,964; Oct. 8.

Winn, William E., Dallas, Tex., and P. F. Dougherty, Chester, Pa., assignor to Sun Oil Company, Philadelphia, Pa. Logging wells. 2,408,965; Oct. 8.

Wisconsin Electric Power Company, assignee: *See*—
Dornbrook, Frederick L.

Woodward, Robert E., Westville, W. P. Hawthorne, Wenonah, N. J., and J. R. Meadow, Memphis, Tenn., assignors to Socony-Vacuum Oil Company, Incorporated. Ethylene alkylation. 2,409,090; Oct. 8.

Woodyard, John R.: *See*—
Varian, Russell H., Hansen, and Woodyard.

Wright, Fred J., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,409,091; Oct. 8.

Wright, Hal F., assignor to Chester Manufacturing Company, Lisbon, Ohio. Take-up for roller bearings. 2,408,899; Oct. 8.

Yerkovich, Simon, Fairfield, Conn., assignor to Dictaphone Corporation, New York, N. Y. Phonograph. 2,409,006; Oct. 8.

Yolo, Joseph, Yakima, Wash. Splice frog for temporarily joining motion-picture film sections. 2,409,092; Oct. 8.

Young, George W., Bloomfield, N. J. Bank protector. 2,409,007; Oct. 8.

Young, Leonard A., Detroit, Mich. Making garment hangers. 2,409,170; Oct. 8.

Zaccaria, Joseph M., assignee: *See*—
Bocchicchio, Alfeo.

Zeidler, Kurt E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupler centering device. 2,409,093; Oct. 8.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Form aligner. W. Hyre. Re. 22,799; Oct. 8.

Hydrocarbons, Catalytic dehydrogenation of. K. K Kearby. Re. 22,800; Oct. 8.

Letter sign, Interchangeable. J. R. Starnes. Re. 22,801; Oct. 8.

LIST OF PLANT INVENTIONS

Rose plant. H. C. Swim. 712; Oct. 8.

LIST OF DESIGN INVENTIONS

Animal figure. W. W. Rodgers. 145,701; Oct. 8.
Bookmark, Clip. E. L. Woodley. 145,705–6; Oct. 8.
Box, Gift. W. B. Petzold. 145,698; Oct. 8.
Cabinet, Lubricating equipment. A. M. Fitzpatrick, Jr. 145,690–2; Oct. 8.
Clip, Money. C. E. Mills. 145,697; Oct. 8.
Costumer, Youth's. J. W. Floyd. 145,693; Oct. 8.
Dispenser, Tape. H. Preble, Jr. 145,699; Oct. 8.
Dress. M. Schneck. 145,703–4; Oct. 8.
Fixture, Fluorescent lighting. N. M. Robboy. 145,700; Oct. 8.
Fixture, Light. C. D. McCann. 145,696; Oct. 8.
Handle for kitchen utensils or similar article. J. H. Chandler. 145,687; Oct. 8.
Register or similar article. M. Sanders. 145,702; Oct. 8.
Shoe. J. K. Eagan. 145,688; Oct. 8.
Stove, Electric. R. Heer. 145,695; Oct. 8.
Tool or similar article, Kitchen. J. H. Chandler and A. J. Eggleston. 145,685–6; Oct. 8.
Tool or similar article, Kitchen. A. J. Eggleston. 145,689; Oct. 8.
Toy, Pull. J. A. Healey. 145,694; Oct. 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid and producing it, Anhydrous monofluorophosphoric. W. Lange and R. Livingston. 2,408,784; Oct. 8.
Acid, Manufacture of sulphamic. E. J. Tauch. 2,408,823; Oct. 8.
Acid, Production of anhydrous monofluophosphoric. W. Lange. 2,408,785; Oct. 8.
Acrylonitrile, Preparation of. R. V. Heuser. 2,409,124; Oct. 8.
Actuator, Landing gear. R. M. Nardone. 2,408,992; Oct. 8.
Actuator unit for retractable landing gears. R. M. Nardone. 2,408,993; Oct. 8.
Adjustable chair seat. T. Elleman and R. W. Johnson. 2,409,114; Oct. 8.
Adjusting mechanism, Clutch. H. G. Rollin. 2,408,884; Oct. 8.
Adjustment and testing of crystal rectifiers. E. O. Keizer. 2,408,858; Oct. 8.
Agricultural machine. K. L. Magee. 2,408,939; Oct. 8.
Air conditioning apparatus. C. S. Cody. 2,408,973; Oct. 8.
Air conditioning apparatus. A. H. Eberhart. 2,408,972; Oct. 8.
Aircraft landing gear. R. P. Murdoch. 2,408,870; Oct. 8.
Airfoil. T. C. Ludington and R. W. Griswold. 2,408,788; Oct. 8.
Alkoxy acetals, Making. C. Bordenca and C. J. B. Thor. 2,409,015; Oct. 8.
Alkylated cyclic hydrocarbons, Preparation of. C. M. Thacker and R. T. Bell. 2,409,080; Oct. 8.
Alloy: *See*—
  Austenitic chromium-nickel-iron alloy.
Amines, Production of primary. L. A. Stegemeyer. 2,408,959; Oct. 8.
Amphibian steering mechanism. J. M. Hait. 2,408,928; Oct. 8.
Anchor and stabilizer for boats, Combined sea. A. J. Harris. 2,409,040; Oct. 8.
Animal trap. P. De Asis. 2,408,740; Oct. 8.
Antidetonation apparatus for automotive engines. L. D. Golden and J. K. Gregg. 2,408,846; Oct. 8.
Antirachitic material, Producing. L. F. Borchardt. 2,408,908; Oct. 8.
Apparatus for electrical control. A. S. Riggs. 2,408,813; Oct. 8.
Apparatus for elevator platforms, Locking. J. Dunlop and L. R. Rissler. 2,408,762; Oct. 8.
Apparatus for elevators, Safety. J. Dunlop. 2,408,758; Oct. 8.
Apparatus for forming and assembling articles. E. C. Neuhaus and C. W. Verrill. 2,409,147; Oct. 8.
Apparatus for forming cam surfaces upon cylindrical cam bodies. A. Anderson. 2,408,722; Oct. 8.
Apparatus for manufacturing jiggered potteryware. W. J. Miller. 2,408,804; Oct. 8.
Apparatus for measuring tires. R. W. Evert. 2,408,746; Oct. 8.
Apparatus for preparing clay for jiggering in the manufacture of potteryware. W. J. Miller. 2,408,803; Oct. 8.
Apparatus for the manufacture of potteryware. W. J. Miller. 2,409,172; Oct. 8.
Apparatus for trimming commutators. J. Simpson, Jr., and J. Williams. 2,409,158; Oct. 8.
Arch support. M. Margolin. 2,408,792; Oct. 8.
Attachment for audio receivers. B. A. Alger. 2,408,720; Oct. 8.
Attachment for binoculars, Variable density filter. C. J. Glasser. 2,408,772; Oct. 8.
Attachment for lathes. J. Pigott and N. B. Opheim. 2,408,876; Oct. 8.
Austenitic chromium-nickle-iron alloy. H. M. German. 2,408,771; Oct. 8.
Automatic valve. E. J. Dillman. 2,409,112; Oct. 8.
Automatic volume control. H. M. Stearns. 2,408,821; Oct. 8.
Automobile luggage carrier. J. C. A. Cameron. 2,409,103; Oct. 8.
Axle, Drive. B. Griffith. 2,408,926; Oct. 8.
Azeotropic distillation of aliphatic hydrocarbons having the formulas C_nH_{2n} and C_nH_{2n-2} from hydrocarbon mixtures comprising same. H. S. Nutting and L. H. Horsley. 2,408,947; Oct. 8.
Backing pad for abrasive disks. W. Stever. 2,408,163; Oct. 8.
Bag: *See*—
  Tripod golf bag.
Bag structure and manufacture. C. V. Brady and R. J. Williams. 2,409,100; Oct. 8.
Ballast block. C. C. Ahles. 2,409,094; Oct. 8.
Banding means. R. G. Krasberg. 2,409,128; Oct. 8.
Bank protector. G. W. Young. 2,409,007; Oct. 8.
Barometric fuel valve. D. F. Warner. 2,408,836; Oct. 8.
Base and harbor, Floating naval. F. N. Nelson. 2,408,871; Oct. 8.
Bead, Gel. M. M. Marisic and A. C. Schmitt. 2,408,986; Oct. 8.
Bearing: *See*—
  Spindle bearing.
Beryllium sulphate, Recovering. B. R. F. Kjellgren. 2,408,934; Oct. 8.
Beta-amino, beta-propyl glutaronitriles and preparing them. R. O. Norris. 2,409,061; Oct. 8.
Bleaching and sterilizing starch. G. P. Vincent. 2,409,084; Oct. 8.
Block: *See*—
  Ballast block.
  Sanding block.
Boat and making same, Inflatable. A. G. Luisada. 2,408,789; Oct. 8.
Boiler: *See*—
  Water heater and boiler.
Boiler construction. R. C. Cross. 2,408,968; Oct. 8.
Boiler unit, Stoker. R. C. Cross and G. W. Smardon. 2,408,969; Oct. 8.
Booster pump. R. P. Greenwood. 2,408,775; Oct. 8.
Bourdon tube. J. Sivertsen. 2,409,161; Oct. 8.
Box: *See*—
  Paperboard coin box.
Bracket: *See*—
  Swinging bracket.
Brake: *See*—
  Wheel brake.
Brake cooler. J. J. Bloomfield. 2,409,099; Oct. 8.
Buffer and draft gear. J. E. Graham. 2,408,925; Oct. 8.
Burner: *See*—
  Gas burner.
  Oil burner.
  Retort type oil burner.
Butadiene purification. T. F. Doumani and D. A. Skinner. 2,408,970; Oct. 8.
C clamp. A. W. Miller. 2,408,801; Oct. 8.
Camera, Professional photographic. M. Resk. 2,408,811; Oct. 8.
Capacitor fuel gauge. F. R. Sias and D. B. Pearson. 2,409,073; Oct. 8.
Car structure, Railway. G. G. Gilpin. 2,409,035; Oct. 8.
Carburation apparatus for internal-combustion engines and the like. C. A. Pugh. 2,408,879; Oct. 8.
Carburetor. G. M. Bicknell. 2,408,726; Oct. 8.
Carrier: *See*—
  Automobile luggage carrier
Catalytic hydrocarbon reforming process. C. L. and E. A. Ocon. 2,408,948; Oct. 8.
Catalytic process. M. P. Matuszak and G. H. Morey. 2,408,987; Oct. 8.
Catalyst rejuvenation. R. L. Parker, Jr., and H. C. Huffman. 2,408,996; Oct. 8.
Cathode beam tube and velocity controlled electrode. J. R. Pierce. 2,408,809; Oct. 8.
Cellulose purification. C. I. Haney, M. E. Martin, and T. M. Andrews. 2,408,849; Oct. 8.
Centrifugal type fluid clutch. F. H. McElroy. 2,408,988; Oct. 8.
Charging system, Blast furnace. A. Mohr, Jr., and J. P. Grilli. 2,408,945; Oct. 8.
Chenille making machine. J. Wilmsen. 2,408,898; Oct. 8.
Chlorides of polyvinyl, Producing solutions of. M. L. A. Fluchaire. 2,408,769; Oct. 8.
Choline-like compounds. K. C. Swan and N. G. White. 2,408,893; Oct. 8.
Circular loom. C. A. Caldes. 2,408,732; Oct. 8.
Clamp: *See*—
  C clamp.
Cleaner: *See*—
  Facial cleaner.
  Suction cleaner.
Closet, Water. F. J. La Mere. 2,409,048; Oct. 8.
Cloth, Woven. J. V. Weinberger. 2,409,087; Oct. 8.
Clutch: *See*—
  Centrifugal type fluid clutch.
Clutch and brake for electric motors and generators, Automatic. C. L. Paulus and R. K. Stout. 2,408,808; Oct. 8.
Coal and air to furnaces, Method and apparatus for supplying pulverized. E. G. Smith. 2,409,002; Oct. 8.
Coal for coking, Method and apparatus for preparing. F. Puening. 2,408,810; Oct. 8.
Coal mining apparatus. C. E. Brown. 2,408,967; Oct. 8.
Coating, Temporary. G. Selden. 2,408,814; Oct. 8.

Coaxial distributor and system, High-frequency. F. A. Jenks and D. F. Folland. 2,408,779; Oct. 8.
Color stabilization. H. C. Black. 2,408,904; Oct. 8.
Column, Steering. C. C. Oliver. 2,409,062; Oct. 8.
Combs from sheet stock, Making. W. Huppert. 2,408,778; Oct. 8.
Communication system. N. D. Preston. 2,408,878; Oct. 8.
Composition of matter suitable as a hydraulic fluid. M. H. Kollen. 2,408,983; Oct. 8.
Compressor, Air. J. E. Erickson. 2,408,765; Oct. 8.
Computer, Azimuth. J. Hilsenrath and S. Globe. 2,408,776; Oct. 8.
Condenser: *See*—
Electrical condenser.
Condiment holder. G. D. Fleak. 2,409,118; Oct. 8.
Condition control. E. D. Lilja. 2,409,136; Oct. 8.
Connector: *See*—
Electrical connector. Multicircuit connector.
Container for pencil leads and the like. G. L. Beckstrom. 2,408,902; Oct. 8.
Container or shipping case having a removable cover to be locked and sealed. J. Burger. 2,408,731; Oct. 8.
Control and trigger circuit for telephone systems and the like. F. A. Morris. 2,409,145; Oct. 8.
Control apparatus for machine tools, Remote. R. A. Schafer and R. B. Rodal. 2,408,957; Oct. 8.
Control equipment, Automatic. H. Bany. 2,409,010; Oct. 8.
Control mechanism, Steam turbine. F. L. Dornbrook. 2,409,024; Oct. 8.
Control system, Buoyancy. M. G. Leonard. 2,409,135; Oct. 8.
Control system, Electrohydraulic. C. A. Frische, G. P. Bentley, and P. Halpert. 2,408,770; Oct. 8.
Control system for exhausting ballast from torpedoes. C. C. Whittaker. 2,409,169; Oct. 8.
Control system for wave-signal receivers. D. H. Mitchell. 2,409,058; Oct. 8.
Conveyer loading mechanism. E. A. Wilckens and E. M. Magill. 2,408,838; Oct. 8.
Cooking apparatus, Outdoor. W. E. Leake, Jr. 2,408,859; Oct. 8.
Cooler: *See*—
Brake cooler.
Corner structure, Frame. W. and G. Holman. 2,408,852; Oct. 8.
Coupler centering device, Car. K. E. Zeidler. 2,409,093; Oct. 8.
Coupling: *See*—
Flexible pipe coupling.
Coupling for model railway vehicles and the like. T. Pinder. 2,408,877; Oct. 8.
Couplings, Making return bend pipe. C. A. Dies. 2,409,023; Oct. 8.
Cover: *See*—
Ornamental hair curler cover.
Crayon. A. Rubenstein. 2,409,000; Oct. 8.
Crossbar selector switching unit. C. Gillings and L. J. Murray. 2,409,122; Oct. 8.
Cultivator and row thinner, Combination. R. L. Harral. 2,409,123; Oct. 8.
Cutter: *See*—
Inserted tooth milling cutter.
Cutter. H. L. Steiner. 2,408,891; Oct. 8.
Cutting machine. J. W. Brackett. 2,408,729; Oct. 8.
Damper control. R. J. Parsons. 2,409,064; Oct. 8.
Derivatives of 6-amino-1,3-benzodioxan. H. Z. Lecher, J. P. Goulding, and R. P. Parker. 2,409,134; Oct. 8.
Desulphurizing iron with molten calcium carbide. J. J. Crowe. 2,409,020; Oct. 8.
Device for washing and conditioning air and gases. J. Weits. 2,409,088; Oct. 8.
Diaryl guanidine addition products. A. R. Davis. 2,409,109; Oct. 8.
Diolefins by azeotropic distillation, Separation of. T. W. Evans, R. C. Morris, and E. C. Shokal. 2,408,922; Oct. 8.
Dispensing device for scales, Scoop. A. Bocchicchio. 2,408,906; Oct. 8.
Distant control. N. E. Walker. 2,409,168; Oct. 8.
Door construction. F. A. Guth. 2,409,037; Oct. 8.
Dowel bar protector. R. A., Sr., and E. E. McGrath. 2,408,989; Oct. 8.
Drawbridge interlocking. R. M. Snyder. 2,409,074; Oct. 8.
Drive with magnetic lock, One-way. H. A. Bakke. 2,409,009; Oct. 8.
Driver for tilt-top staples. J. C. Lang. 2,409,049; Oct. 8.
Ear muffs, Making helmet. J. J. McCann. 2,409,055; Oct. 8.
Edge forming apparatus, Molded fibre. M. P. Chaplin. 2,408,734; Oct. 8.
Elastic fluid conditioning apparatus. J. L. Singleton. 2,409,159; Oct. 8.
Electric iron. F. W. Scharf. 2,408,886; Oct. 8.
Electric switch sensitive to small operating movements. A. Arnot. 2,408,901; Oct. 8.
Electrical circuit employing non-linear resistance material. T. G. Rice. 2,409,150; Oct. 8.
Electrical condenser. J. Burnham. 2,408,910; Oct. 8.
Electrical connector. M. C. Gauthier. 2,408,843; Oct. 8.
Electrical discharge device. H. E. Tanis, Jr. 2,408,822; Oct. 8.
Electrical regulating device. D. H. Rogers. 2,409,151; Oct. 8.
Electrode. C. S. Szegho. 2,408,894; Oct. 8.
Electroencephalograph device. L. Garceau. 2,409,033; Oct. 8.
Electrolytic polishing. C. Batcheller. 2,409,097; Oct. 8.
Electron discharge apparatus. D. L. Snow. 2,408,817; Oct. 8.
Electron discharge device. H. C. Thompson. 2,409,165; Oct. 8.
Elevator. J. Dunlop. 2,408,757; Oct. 8.
Elevator. J. Dunlop. 2,408,760; Oct. 8.
Elevator. J. Dunlop and L. R. Rissler. 2,408,763; Oct. 8.
Elevator, Baled hay. E. Lisota. 2,408,863; Oct. 8.
Elevator, Deck-edge. J. Dunlop. 2,408,759; Oct. 8.
Emulsions, Processing of certain nongelatin. J. I. Crabtree and G. T. Eaton. 2,409,107; Oct. 8.
Emulsions, Treating. W. O. Webber. 2,409,005; Oct. 8.
Enclosure for bassinets. R. Valverde. 2,409,083; Oct. 8.
Engine: *See*—
Rotary internal-combustion engine.
Engine. C. E. Frank. 2,409,031; Oct. 8.
Engine. W. G. Gernandt and A. E. Walden. 2,409,034; Oct. 8.
Engine. A. J. Meyer. 2,408,800; Oct. 8.
Escapement. M. H. Rhodes. 2,408,998; Oct. 8.
Esters of dimethylaminoethanol useful as local anesthetics. R. S. Shelton and M. G. Van Campen, Jr. 2,409,001; Oct. 8.
Esters, Producing. K. H. Engel. 2,408,744; Oct. 8.
Esters, Production of. J. E. Mahan. 2,408,940; Oct. 8.
Ethylene alkylation. R. E. Woodward, W. P. Hawthorne, and J. R. Meadow. 2,409,090; Oct. 8.
Exposure meter. J. H. Miller. 2,408,944; Oct. 8.
Extensible stand. A. M. Starck. 2,409,075; Oct. 8.
Eyeshield, Industrial. R. L. Malcom. 2,409,140; Oct. 8.
Fabric articles, Washing and drying. F. H. Berg. 2,408,749; Oct. 8.
Facial cleaner. G. L. Lindblad. 2,408,860; Oct. 8.
Fastening-inserting machine. E. C. Gill. 2,408,845; Oct. 8.
Feeding device for combustion chambers. R. H. Goddard. 2,409,036; Oct. 8.
Felted products, Manufacture of. E. R. Powell and H. E. Holcomb. 2,409,066; Oct. 8.
Filling device, Automatic cylinder. O. L. Garretson, T. A. St. Clair, and A. R. Olson. 2,408,842; Oct. 8.
Filtering arrangement. A. M. Gurewitsch. 2,408,927; Oct. 8.
Finger or hand attachment. V. D. Brittingham. 2,409,101; Oct. 8.
Finger ring construction. A. Koenig. 2,408,982; Oct. 8.
Fire basket. N. J. Kunst. 2,408,935; Oct. 8.
Fishing reel. J. V. Schafer. 2,409,154; Oct. 8.
Fitting. W. C. Buttner. 2,408,912; Oct. 8.
Fixture, Store. G. G. Fero. 2,409,117; Oct. 8.
Flash-photography, High-speed. H. E. Edgerton. 2,408,764; Oct. 8.
Flexible pipe coupling. W. L. Stivason. 2,408,960; Oct. 8.
Fluid pressure motors, Control. J. F. McGlone. 2,408,795; Oct. 8.
Frequency meter. L. Hammond and J. M. Hanert. 2,408,930; Oct. 8.
Fuel composition. W. A. Schulze and R. C. Alden. 2,409,156–7; Oct. 8.
Fuels, Motor. P. L. De Verter. 2,409,171; Oct. 8.
Fuels, Motor. A. E. Robertson. 2,408,999; Oct. 8.
Fuels, Motor. P. L. Veltman. 2,409,167; Oct. 8.
Furnace: *See*—
Ignition furnace. Warm air furnace.
Furniture, Metal. E. C. Booth. 2,408,907; Oct. 8.
Fuse, Expulsion. A. G. Steinmayer. 2,409,077; Oct. 8.
Game. G. A. Mills. 2,409,144; Oct. 8.
Garment hangers, Making. L. A. Young. 2,409,170; Oct. 8.
Gas burner. H. Lange. 2,409,129; Oct. 8.
Gauge: *See*—
Capacitor fuel gauge. Spot-weld edge gauge.
Gauge lapping machine. A. M. Drake. 2,409,113; Oct. 8.
Gear: *See*—
Aircraft landing gear. Buffer and draft gear.
Generator: *See*—
Impulse generator.
Ultra high frequency generator.
Glass prisms, Forming. J. P. Crowley. 2,409,108; Oct. 8.
Glycerides, Preparation of synthetic. H. C. Black and C. A. Overley. 2,408,905; Oct. 8.
Governor, Engine. M. Mallory. 2,409,053; Oct. 8.
Governor, Speed. T. M. Ruby. 2,409,070; Oct. 8.
Grinder, Hob. H. Pelphrey. 2,408,949; Oct. 8.
Guard, Insulating. B. R. Hermann. 2,409,042; Oct. 8.
Guide system, Navigational. J. H. Hammond, Jr. 2,408,848; Oct. 8.

Guiding means. C. W. Burcky. 2,409,102; Oct. 8.
Halogenated compounds and making same. E. E. Hardy and C. M. Kosolapoff. 2,409,039; Oct. 8.
Hand, Artificial. P. A. Rebers. 2,408,880; Oct. 8.
Handling machine, Grain. C. Raney. 2,408,952; Oct. 8.
Hatch for railway cars, Roof. A. Campbell. 2,408,733; Oct. 8.
Hog trap. P. L. Newbold. 2,408,872; Oct. 8.
Holder: *See*—
Condiment holder. Quartz crystal holder.
Magnetic swivel work holder.
Holder and positioner for heel parts. E. C. Gill. 2,408,844; Oct. 8.
Hosiery. S. C. Mack. 2,409,138; Oct. 8.
Hydraulic apparatus. F. J. Wright. 2,409,091; Oct. 8.
Hydrocarbon conversion. A. Belchetz. 2,408,725; Oct. 8.
Hydrocarbons, Conversion of. L. A. Mekler. 2,408,943; Oct. 8.
Hydrocarbons, Preparation of branched chain. R. E. Burk. 2,408,752; Oct. 8.
Hydrocarbons, Treatment of. R. E. Burk. 2,408,753; Oct. 8.
Hydrocarbons, Treatment of. H. Pines and H. S. Bloch. 2,408,950; Oct. 8.
Hydrogen fluoride alkylation process. J. O. Iverson. 2,408,933; Oct. 8.
Hydroxylated cyclopentano polyhydrophenanthrene compounds and making the same. H. H. Inhoffen. 2,409,043; Oct. 8.
Ignition furnace. E. W. Shallock. 2,409,072; Oct. 8.
Ignition system, Ultra high frequency. F. X. Rettenmeyer. 2,408,881; Oct. 8.
Impulse generator. A. A. Varela. 2,408,824; Oct. 8.
Indicator for concrete mixers, Mix-consistency. C. I. Bohmer and A. S. Millikin. 2,409,014; Oct. 8.
Inserted tooth milling cutter. E. O. Lowell. 2,408,787; Oct. 8.
Insulator, Bushing. J. E. M. Mitchell. 2,408,990; Oct. 8.
Internal-combustion engine. T. P. Soprounoff. 2,408,890; Oct. 8.
Iron: *See*—
Electric iron.
Temperature indicating electric iron.
Isoascorbic acid, Derivatives of. P. A. Wells and D. Swern. 2,408,897; Oct. 8.
Isoparaffins, Production of. J. M. Mavity and W. E. Moss. 2,408,941; Oct. 8.
Jet-propulsion apparatus for aircraft. A. G. Elliott. 2,408,743; Oct. 8.
Knitting machine and method. L. N. Feinstein. 2,409,026; Oct. 8.
Knitting method and machine. G. Norman. 2,408,807; Oct. 8.
Labelling mechanism, End. E. E. Pohl. 2,409,065; Oct. 8.
Latching mechanism. H. D. Cahill. 2,408,755; Oct. 8.
Lathing. A. C. Karelius. 2,408,781; Oct. 8.
Lead from bearings, Stripping. R. L. Heath, G. A. Fisher, Jr., and T. R. Holbrook. 2,408,931; Oct. 8.
Light-impulse system. V. H. Fraenckel and S. Hansen. 2,409,030; Oct. 8.
Lighting fixture, Extensible. I. I. Kloner. 2,408,783; Oct. 8.
Liquid-recirculating device, Pneumatically-operated. W. B. Altsheler. 2,408,721; Oct. 8.
Lithium hydride, Production of. P. P. Alexander. 2,408,748; Oct. 8.
Loader. E. M. McElhinney and J. A. Podhajsky. 2,409,143; Oct. 8.
Loom: *See*—
Circular loom.
Loom. L. N. Linscott. 2,408,861; Oct. 8.
Luminescent materials. H. J. Dietz. 2,409,174; Oct. 8.
Magnetic swivel work holder. G. J. Carson. 2,409,017; Oct. 8.
Magnetron and circuit therefor. C. W. Hansell. 2,409,038; Oct. 8.
Manicure device. C. T. Shoop. 2,408,888; Oct. 8.
Marker for books and the like, Place. J. Eifel. 2,408,974; Oct. 8.
Masts, Lightweight. H. A. Moore. 2,409,060; Oct. 8.
Measurement, Circuit time constant. D. Blitz. 2,408,727; Oct. 8.
Meat tendering machine. A. H. Ahrndt. 2,408,747; Oct. 8.
Mechanism for molds, Dumping. A. Fritschle. 2,409,121; Oct. 8.
Mercaptans, Separating. H. E. Drennan. 2,408,920; Oct. 8.
Metallic deposits, Production of bright. M. L. Freed and O. A. Stocker. 2,409,120; Oct. 8.
Meteorological recording method and apparatus. Chung-Chin Kao. 2,408,780; Oct. 8.
Meter: *See*—
Exposure meter. Frequency meter.
Mill: *See*—
Pulling mill.
Molding apparatus. C. E. McCoy. 2,409,142; Oct. 8.
Mop, Dust. C. Fatland. 2,408,766; Oct. 8.
Motor control system, Electric valve. L. R. Fink. 2,409,029; Oct. 8.
Mounting mechanism, Gun. F. V. Hart and L. S. Linderoth, Jr. 2,409,041; Oct. 8.
Multicircuit connector. A. Wall. 2,409,004; Oct. 8.
N-substituted derivatives of 5-amino-1,3-benzodioxoles. H. Z. Lecher and J. P. Goulding. 2,409,133; Oct. 8.
Neck band clamp mechanism. E. Davis. 2,409,110; Oct. 8.
Necktie. W. S. Romme. 2,408,885; Oct. 8.
Nested serving table. A. R. Fergusson. 2,409,027; Oct. 8.
Nickel and cobalt, baths and agents therefor, Electroplating. M. L. Freed. 2,409,119; Oct. 8.
Nitrogenous resins and intermediates therefor, Synthetic. W. O. Kenyon and D. D. Reynolds. 2,409,126; Oct. 8.
Nuts and the like, Manufacture of. V. V. Mason. 2,408,793; Oct. 8.
Object detecting and locating system. R. H. Varian, W. W. Hansen and J. R. Woodyard. 2,408,825; Oct. 8.
Oil burner. H. D. Mackaye. 2,408,865; Oct. 8.
Oils, Refining mineral. J. V. Montgomery, L. B. Goodson, and R. W. Henry. 2,409,059; Oct. 8.
Olefins, Alkylation of mixed. R. N. Meinert. 2,408,798; Oct. 8.
One-way clutch and bearing. C. E. Swenson and A. Y. Dodge. 2,408,962; Oct. 8.
Operating mechanism. C. E. Freese. 2,409,032; Oct. 8.
Ore concentrating table. E. R. McPheters. 2,408,797; Oct. 8.
Organic bases, Separation of. K. H. Engel. 2,408,975; Oct. 8.
Organic compounds, Production of. N. Short. 2,408,889; Oct. 8.
Ornamental hair curler cover. J. R. W. Torrens. 2,409,081; Oct. 8.
Pad: *See*—
Removable shoulder pad.
Palatable material, Making. C. A. Reed. 2,409,067; Oct. 8.
Paperboard coin box. C. F. Klein. 2,409,047; Oct. 8.
Phonograph. S. Yerkovich. 2,409,006; Oct. 8.
Photoelectric transmitting typewriter apparatus. G. L. Bush. 2,408,754; Oct. 8.
Photographic material. C. J. Staud. 2,409,162; Oct. 8.
Picture frame or the like. A. Nihon. 2,408,994; Oct. 8.
Pie dough former, trimmer, and crimper. L. J. Dale. 2,409,021; Oct. 8.
Piezoelectric gauge and making the same. M. M. Shapiro. 2,408,816; Oct. 8.
Pile fabric manufacture. J. N. Dow and A. T. Dildilian. 2,408,756; Oct. 8.
Piston. B. Cones. 2,408,915; Oct. 8.
Piston. A. E. Meinke. 2,409,057; Oct. 8.
Piston. W. A. Parkins. 2,408,875; Oct. 8.
Plant extracts and producing same O. Gisvold. 2,408,924; Oct. 8.
Plastic forming apparatus. W. J. Baird and W. N. Sparks. 2,409,096; Oct. 8.
Plastic molding machine. A. A. Burry. 2,408,911; Oct. 8.
Plow. A. W. Leland. 2,408,936; Oct. 8.
Plunger, Pump. S. H. Holt. 2,408,979; Oct. 8.
Pocket construction for trousers. I. M. Falk. 2,409,025; Oct. 8.
Pocket for hearing aids, Carrying. M. H. Brede. 2,408,966; Oct. 8.
Position determining system. W. M. Goodall. 2,408,773; Oct. 8.
Pressure lubrication system. T. Clark, E. V. Windsor, and L. Hart. 2,408,914; Oct. 8.
Processing apparatus. H. D. Russell and J. I. Crabtree. 2,409,153; Oct. 8.
Propeller drive with pitch-changing mechanism. J. Ledwinka. 2,409,050; Oct. 8.
Protector: *See*—
Bank protector. Dowel bar protector.
Pseudokryptogenin and its diacetate. R. B. Wagner. 2,408,832; Oct. 8.
Pulling mill. H. H. Belcher. 2,409,011; Oct. 8.
Pump: *See*—
Booster pump.
Slotted throat booster pump.
Pump. H. Hillier and T. McAlpine. 2,408,851; Oct. 8.
Purse, Change. H. Breiter and H. Brandon. 2,408,751; Oct. 8.
Pyrotechnic devices. T. L. Davis. 2,409,111; Oct. 8.
Quartz crystal holder. J. E. Fox, N. A. Nelson, and W. S. Quincy. 2,408,768; Oct. 8.
Quinonylamino-N-alkylenesulfonic acids as printing aids. R. H. Kienle and C. A. Amick. 2,409,127; Oct. 8.
Radiant heat in aircraft, Utilizing. H. J. D. McCollum. 2,408,867; Oct. 8.
Radio azimuth compensator. W. P. Lear. 2,409,130; Oct. 8.
Radio communication system. H. Magnuski. 2,408,791; Oct. 8.
Radio receiving system. W. H. Bliss. 2,409,012; Oct. 8.
Radio receiving system. H. Magnuski. 2,409,139; Oct. 8.
Radio remote control system. E. M. Sorensen. 2,408,819; Oct. 8.

Radio system for velocity measurement. T. T. Eaton. 2,408,742; Oct. 8.
Radio transmission apparatus. E. L. Schellens and N. E. Gibbs. 2,409,155; Oct. 8.
Radio transmitter and receiver, Combined frequency modulation. W. W. Vogel. 2,408,826; Oct. 8.
Razor blade and other cutting tool. E. L. Mack. 2,408,790; Oct. 8.
Razor blade holder, Safety. A. Felardo. 2,409,116; Oct. 8.
Reaction products of nitriles and aldehydes. J. F. Walker. 2,409,086; Oct. 8.
Reel: *See*—
Fishing reel.
Reeling mechanism. W. P. Lear. 2,409,132; Oct. 8.
Refrigeration cycle, Absorption. G. W. Miller, E. L. Kells, and D. H. Larsen. 2,408,802; Oct. 8.
Refrigeration expansion valve. E. J. Dillman and F. Y. Carter. 2,408,919; Oct. 8.
Refrigerator. A. T. Millott and E. C. Graham. 2,408,805; Oct. 8.
Refrigerator. H. E. Rosebrook. 2,409,069; Oct. 8.
Regulating device for friction-cone clutches. E. Bodmer. 2,409,013; Oct. 8.
Regulator: *See*—
Window regulator.
Relay construction. F. R. McBerty. 2,409,054; Oct. 8.
Relaying system, Carrier-current phase-angle. A. C Mehring, H. W. Lensner, and S. L. Goldsborough. 2,408,868; Oct. 8.
Remote control system. L. V. Lewis. 2,409,051; Oct. 8.
Removable shoulder pad. A. Friedman. 2,408,840; Oct. 8.
Retarder, Thermal. C. M. Osterheld. 2,408,874; Oct. 8.
Retort type oil burner. E. J. Ashby. 2,409,095; Oct. 8.
Reverser for cameras, Image. W. C. Huebner. 2,408,855; Oct. 8.
Rod and reel assembly, Fishing. J. M. Benson. 2,409,098; Oct. 8.
Roof structure, Railway car. J. S. Swann. 2,409,079; Oct. 8.
Rotary internal-combustion engine. L. Margolis. 2,409,141; Oct. 8.
Rotator, Aircraft landing wheel. L. L. Westcamp. 2,408,963; Oct. 8.
Rubber by fermentation, Guayule. S. R. Hoover, P. J. Allen, and J. Naghski. 2,408,853; Oct. 8.
Safety device for elevators. J. Dunlop and H. E. Hansen. 2,408,761; Oct. 8.
Safety switch. J. H. Diedring. 2,409,022; Oct. 8.
Sander, Reed. J. E. Ray. 2,408,953; Oct. 8.
Sanding block. E. A. Seward. 2,408,815; Oct. 8.
Scale. D. A. Meeker and K. C. Allen. 2,408,942; Oct. 8.
Scraper. G. W. Mork. 2,408,806; Oct. 8.
Screw driver. C. A. Schriner. 2,408,887; Oct. 8.
Scriber. R. T. Connelly. 2,409,106; Oct. 8.
Seal, Annular fluid. O. Brummer. 2,408,909; Oct. 8.
Seat: *See*—
Adjustable chair seat.
Separating tall oil into fractions by treatment with levulinic acid ester. K. D. Longley. 2,409,137; Oct. 8.
Servicing equipment, Bearing. W. H. Smith. 2,408,958; Oct. 8.
Sewing machine, Moccasin. W. A. Crawford. 2,408,738; Oct. 8.
Shaft seal. O. Jacobsen. 2,409,125; Oct. 8.
Sharpener, Bit. A. Crot. 2,408,916; Oct. 8.
Sharpener, Pencil. R. B. Fleming. 2,408,767; Oct. 8.
Shock absorber. B. L. Mallory. 2,408,985; Oct. 8.
Shock-proof contactor. D. Ellis, O. L. Taylor, and R. T. Basnett. 2,409,115; Oct. 8.
Shutter for fishing nets. J. Motel. 2,409,146; Oct. 8.
Shuttle, Loom. J. J. Kaufmann, Jr. 2,408,981; Oct. 8.
Shuttle valve. J. F. Mellichar. 2,408,799; Oct. 8.
Shuttle with rubber tip. R. G. Turner. 2,409,003; Oct. 8.
Sign: *See*—
Swingable road sign.
Signal: *See*—
Warning signal.
Signal device. J. D. Kennelly. 2,409,046; Oct. 8.
Signal device. J. M. Tracy and H. G. Veeder. 2,409,166; Oct. 8.
Signaling apparatus, Railway. A. L. Jerome. 2,409,044; Oct. 8.
Siren for aircraft. W. P. Lear. 2,409,131; Oct. 8.
Slotted throat booster pump. R. R. Curtis. 2,408,918; Oct. 8.
Slush tube. J. C. Stokes. 2,408,892; Oct. 8.
Slushing composition. G. W. Duncan. 2,408,971; Oct. 8.
Snap acting thermostatic switch. C. M. Osterheld. 2,408,873; Oct. 8.
Snowplow. N. L. James. 2,408,857; Oct. 8.
Soap composition. H. K. McClain. 2,409,056; Oct. 8.
Sole for shoes, slippers, or other articles of footwear. G. Codish. 2,408,736; Oct. 8.
Solenoid controlled valve. F. J. Rode. 2,408,883; Oct. 8.
Spindle bearing. J. J. Osplack. 2,408,995; Oct. 8.
Splice frog for temporarily joining motion-picture film sections. J. Yolo. 2,409,092; Oct. 8.
Spot-weld edge gauge. B. Gross and L. W. Cornwall. 2,408,847; Oct. 8.
Stable rosin esters, Preparing. F. J. Webb. 2,409,173; Oct. 8.
Stand: *See*—
Extensible stand.
Starch solubilization. G. P. Vincent. 2,409,085; Oct. 8.
Stator for electric machines. V. A. Hoover. 2,408,854; Oct. 8.
Steam-actuated valves, Cushioning. L. B. Jones. 2,408,980; Oct. 8.
Steel hardened with titanium, Shock-resistant silicon. L. M. Brown. 2,409,016; Oct. 8.
Steering apparatus. L. Hammond. 2,408,929; Oct. 8.
Steering device, Amphibian. G. A. Reynolds, Jr. 2,408,955; Oct. 8.
Steroidal compounds, and obtaining the same. R. B. Wagner. 2,408,827–31; Oct. 8.
Steroidal compounds and obtaining the same. R. B. Wagner. 2,408,833–35; Oct. 8.
Stiff woven fabric and method, Directionally. R. C. Whitman. 2,409,089; Oct. 8.
Stitch formation. J. H. Pikul. 2,409,149; Oct. 8.
Stitching machine, Slip. C. W. Johnson and J. A. Neumair. 2,409,045; Oct. 8.
Stock supporting table. J. Breslav. 2,408,730; Oct. 8.
Stove for burning solid fuels and an ash container therefor. E. Esson. 2,408,921; Oct. 8.
Stove, Hot-blast. A. Bowland. 2,408,728; Oct. 8.
Straining device, Self-cleaning. W. R. Dodge. 2,408,741; Oct. 8.
Suction cleaner. L. K. Acheson. 2,409,008; Oct. 8.
Suction cleaner. E. R. Swann. 2,409,078; Oct. 8.
Suction cleaner. C. G. Troxler. 2,409,082; Oct. 8.
Sugar, Method and apparatus for detecting. P. W. Alston and E. E. Morse. 2,408,900; Oct. 8.
Supply system, Fuel. W. A. Ray. 2,408,954; Oct. 8.
Support: *See*—
Arch support.
Work support.
Support. V. M. Abernethy. 2,408,719; Oct. 8.
Surgical dressings, Medicated. H. Sobotka. 2,408,818; Oct. 8.
Swaging machine. L. Robbins. 2,408,882; Oct. 8.
Swingable road sign. H. J. Steinberger and S. Sanders. 2,409,076; Oct. 8.
Swinging bracket. R. R. Rundell. 2,409,152; Oct. 8.
Switch: *See*—
Safety switch.
Snap acting thermostatic switch.
Switching means. C. C. Whittaker. 2,408,837; Oct. 8.
Synchronizer for focal-plane shutters, Flash. F. J. Longbottom. 2,408,864; Oct. 8.
Synchronizing clutch construction. C. D. Peterson and R. R. Burkhalter. 2,409,148; Oct. 8.
Table: *See*—
Nested serving table.
Ore concentrating table.
Take-up for roller bearings. H. F. Wright. 2,408,889; Oct. 8.
Tank for dispersing fluids from aircraft, Spray. R. Goddard and F. R. Weaver. 2,408,774; Oct. 8.
Tape, Corded. J. A. Hendley. 2,408,850; Oct. 8.
Teething device. R. S. Claflin. 2,408,735; Oct. 8.
Telephone instrument. E. S. McLarn. 2,408,796; Oct. 8.
Telephone system. J. E. Ostline. 2,409,063; Oct. 8.
Telephone system. R. Taylor and G. T. Baker. 2,409,164; Oct. 8.
Temperature indicating electric iron. L. R. Bolte. 2,408,750; Oct. 8.
Template. M. S. Cree. 2,409,019; Oct. 8.
Tightener, Sucker rod. J. D. Cavaness. 2,409,104; Oct. 8.
Timing arrangement, Electrical. D. A. Christian. 2,409,105; Oct. 8.
Timing device. M. H. Rhodes. 2,408,997; Oct. 8.
Tire inflating and testing device. J. Forbragd. 2,408,976; Oct. 8.
Toluene process. J. C. Baillie and R. V. Shankland. 2,408,724; Oct. 8.
Tool: *See*—
Watch case tool.
Tool structure, Machine. F. A. Fritzsch. 2,408,841; Oct. 1.
Towel rack. T. W. Mullen. 2,408,869; Oct. 8.
Toy gun. A. C. Cimaglia. 2,408,913; Oct. 8.
Toy, Mechanical. E. V. Filbrun. 2,409,028; Oct. 8.
Toy pistol. W. E. Lawson, Sr. 2,408,984; Oct. 8.
Tractor, Two-wheeled handle guide. H. S. Lendermon. 2,408,937; Oct. 8.
Transformer, Variable impedance. D. C. Espley. 2,408,745; Oct. 8.
Transmission and control therefor. W. L. Pollard. 2,408,951; Oct. 8.
Trap: *See*—
Animal trap.
Hog trap.
Trap for chips. C. W. Frederick. 2,408,923; Oct. 8.
Tripod, Golf bag. N. D. Holbrook. 2,408,777; Oct. 8.
Trisazo metallizable dyestuffs. F Straub, J. Brassel, and H. Mayer. 2,408,961; Oct. 8.
Truck, Railway car. L. A. Marquardt. 2,408,866; Oct. 8.
Tube: *See*—
Bourdon tube.
Tuner, Microwave multiband. A. H. Turner. 2,408,896; Oct. 8.
Tuner, Ultra high frequency. A. H. Turner. 2,408,895; Oct. 8.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 8, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1—	32: 2,408,844	51—	308: 2,408,946	114—	43.5: 2,408,871	172—	239: 2,408,813	209—	458: 2,408,797	257—	9: 2,409,159
	2,408,845	52—	23: 2,409,111		126: 2,409,040		2,408,930	210—	167: 2,408,741	260—	30: 2,408,782
	49: 2,409,049	56—	18: 2,408,939		144: 2,408,929		282: 2,409,168	211—	123: 2,408,869		32: 2,408,769
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	21: 2,409,101	58—	117: 2,408,998		2,408,955		328: 2,409,004		21: 2,409,093		97.5: 2,409,137
	155: 2,408,885	60—	35.6: 2,408,743	116—	119: 2,408,974	174—	31: 2,408,990		178: 2,408,877		98: 2,409,173
	209: 2,409,055		2,409,036	119—	98: 2,408,872		138: 2,409,042	214—	17: 2,408,730		172: 2,408,961
	224: 2,408,723		95: 2,409,024	120—	83: 2,409,000	175—	41: 2,408,910		85: 2,408,862		239.5: 2,408,827
	248: 2,409,025	62—	8: 2,408,919		96: 2,408,767		294: 2,408,868	217—	56: 2,408,731		2,408,829
	268: 2,408,840		89: 2,409,069	121—	41: 2,408,795		320: 2,409,150	219—	4: 2,408,847		2,408,831
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4—	215: 2,409,048		119: 2,408,802		132: 2,408,980		367: 2,409,017		2,408,886		2,408,833
8—	70: 2,409,127		126: 2,408,805	122—	4: 2,408,969	177—	311: 2,409,018		39: 2,408,874		2,408,834
	105: 2,408,849		129: 2,408,972		17: 2,408,820		329: 2,409,046	222—	3: 2,408,912		2,408,835
9—	2: 2,408,789		2,408,973		218: 2,408,968		351: 2,409,073		240: 2,408,775		247: 2,409,134
10—	85: 2,408,793	63—	16: 2,408,982	123—	14: 2,409,141		353: 2,409,051		2,408,918		290: 2,408,975
15—	16: 2,409,008	64—	3: 2,409,062		44: 2,408,800		380: 2,409,155	223—	87: 2,409,170		306.6: 2,409,109
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	244: 2,408,860	66—	1: 2,408,807		80: 2,409,031		44: 2,408,745		29: 2,409,103		344.5: 2,408,897
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	166: 2,408,823		260: 2,408,951		165: 2,408,935		156: 2,408,720		2.11: 2,408,942		2,409,124
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	296: 2,408,934		97: 2,408,931		76: 2,408,956	187—	6: 2,408,757		2,408,963		609: 2,408,920
24—	19: 2,409,128		123: 2,409,016		359: 2,408,735		2,408,759		110: 2,409,132		615: 2,409,015
25—	22: 2,408,803		128: 2,408,771	132—	31: 2,409,081		29: 2,408,758		134: 2,408,867		619: 2,408,924
	2,408,804	76—	104: 2,408,750		75: 2,408,888		75: 2,408,762		136: 2,408,774		668: 2,408,724
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40—	130: Re.22,801		101: 2,408,936	150—	1.5: 2,408,777		19: 2,408,977		2,408,858	273—	130: 2,409,144
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	186: 2,408,953		174: 2,409,045		327: 2,408,768	204—	49: 2,409,119		322: 2,409,005	311—	1: 2,409,027
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	232: 2,408,916		2,409,169		179: 2,409,029	206—	56: 2,408,902				

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

D 3—26: Des. 145,703	D 7— 7: Des. 145,688	D44—29: Des. 145,685	D48—23: Des. 145,700	D58-12.6: Des. 145,698	D81—10: Des. 145,695
Des. 145,704	D33— 8: Des. 145,693	Des. 145,687	D52— 2: Des. 145,690	D74— 1: Des. 145,699	21: Des. 145,702
D 6— 1: Des. 145,705	D34— 2: Des. 145,701	Des. 145,689	Des. 145,691	D74— 2: Des. 145,697	D89— 1: Des. 145,686
Des. 145,706	15: Des. 145,694	D48— 4: Des. 145,696	Des. 145,692		

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Tuning mechanism. A. J. Lombardi. 2,408,786; Oct. 8.
Ultra high frequency generator. O. H. Biggs and H. Heins. 2,408,903; Oct. 8.
Undergarment. L. G. and H. G. Arpin. 2,408,723; Oct. 8.
Unloader, Compressor. S. Hirsch. 2,408,932; Oct. 8.
Unloading device, Vehicle bed. E. Lisota. 2,408,862; Oct. 8.
Valve: *See*—
Automatic valve. Shuttle valve.
Barometric fuel valve..
Refrigeration expansion valve.
Valves for tanks, Venting and discharge. C. H. and P. H. Scott. 2,409,071; Oct. 8.
Varnishes, Making. L. R. J. Kientz. 2,408,782; Oct. 8.
Vibration absorbing support. C. Hussman. 2,408,856; Oct. 8.
Warm air furnace. G. E. Mumma. 2,408,991; Oct. 8.
Warning signal. W. R. Corey. 2,409,018; Oct. 8.
Watchcase tool. L. A. Cormier. 2,408,737; Oct. 8.
Water heater and boiler. B. I. J. Stamm. 2,408,820; Oct. 8.
Wave signal system, Carrier. A. L. Matte. 2,408,794; Oct. 8.
Wax-oil mixtures, Treatment of. A. H. Gebauer. 2,408,977; Oct. 8.
Waxing machine. S. C. Rieke. 2,408,812; Oct. 8.
Webbing, Ladder. G. F. French. 2,408,839; Oct. 8.
Weight, Horn. F. Romain. 2,408,956; Oct. 8.
Wells, Logging. W. E. Winn and P. F. Dougherty. 2,408,964–5; Oct. 8.
Wheel. J. M. MacLean. 2,409,052; Oct. 8.
Wheel and cement therefor, Polishing. H. R. Nelson. 2,408,946; Oct. 8.
Wheel brake. E. S. MacPherson. 2,408,938; Oct. 8.
Window construction. R. Dawes. 2,408,739; Oct. 8.
Window regulator. J. H. Roethel. 2,409,068; Oct. 8.
Wood preservatives. B. O. Häger. 2,408,978; Oct. 8.
Work support. E. Sirp. 2,409,160; Oct. 8.

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 591—No. 3 TUESDAY, OCTOBER 15, 1946 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 25 cents each.

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Reissues	4	No. 22,802 to No. 22,805, inclusive.
Patents	432	No. 2,409,175 to No. 2,409,606, inclusive.
Designs	58	No. 145,707 to No. 145,764, inclusive.
Total	728	

Order No. 5000

U. S. PATENT OFFICE, *Washington 25, D. C., Sept. 25, 1946.*

The membership of the Committee on Enrollment and Disbarment, established by Order No. 3280 on July 9, 1934, is hereby reconstituted as follows:

Leslie Frazer, *Chairman*
Mark Taylor
C. W. Moore
Clerk, Chief Clerk of the Patent Office.

CASPER W. OOMS,
Commissioner.

Disclaimer

2,370,206.—*Elmer H. Taylor,* Newburyport, Mass. CIRCUIT BREAKER. Patent dated Feb. 27, 1945. Disclaimer filed Sept. 12, 1946, by the assignee, *The Chase-Shawmut Company.*

Hereby enters this disclaimer to claims 11 and 12 in said specification.

Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Sept. 12, 1946.*

William Albert Fitzsimmons, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Anna-Jean Yuill, 1 N. La Salle St., Chicago, Ill., to effect the cancellation of trade-mark registration of William Albert Fitzsimmons, 226 W. 11th St., Newport, Ky., No. 263,008, dated October 29, 1929, and the notice of such proceeding sent by registered mail to the said Fitzsimmons at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Fitzsimmons, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

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Original application. (Facsimile petition, specification, oath, and drawings at present time.)

Specification as originally filed. (As received in Office.)

Specification as amended. (With amendments entered.)

Specification as allowed. (As passed by the Examiner for issue.)

Original specification. (Facsimile at present time.)

File-wrapper. (File-wrapper only.)

File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)

File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)

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Condition of Applications Under Examination at Close of Business September 27, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 125,153; Trade-Mark Division, 10,474. Oldest new case, February 28, 1945; oldest amended, April 3, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 21	July 12	2313
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 18	June 18	2867
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	June 9	June 30	1918
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Aug. 10	Aug. 24	2322
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 10	3559
6. GENIESSE, E. W., Carbon Chemistry (part)	Oct. 19	Nov. 9	1735
7. HANLIN, GEORGE, Optics, Photography	June 30	Nov. 8	1975
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 7	July 30	3092
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 18	Apr. 19	2124
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	July 26	July 26	1481
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Feb. 11	Mar. 2	662
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 7	June 23	2443
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 13	June 28	1964
14. FREEHOF, H. B. Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Oct. 11	Sept. 21	1382
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Sept. 23	Sept. 12	1198
16. LOVEWELL, N. N., Telegraphy; Telephony	Aug. 30	Aug. 30	1215
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 21	Apr. 21	1092
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 29	July 6	1743
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Oct. 16	Oct. 20	1548
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 19	June 20	1779
21. THOMPSON, T. J., Textiles	Nov. 1	Sept. 7	718
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 15	1860
23. LEWIS, J. B., Cash Registers; Calculators (part)	Aug. 1	Aug. 6	228
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Feb. 2	Jan. 11	1092
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	July 20	Sept. 10	1426
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 5	June 16	1817
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	June 13	June 22	1932
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	May 24	Apr. 3	1371
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	July 18	June 18	2057
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 14	July 16	2257
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Mar. 8	Mar. 12	932
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Sept. 7	Sept. 21	1933
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	July 27	July 25	2679
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 18	Sept. 29	1147
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 27	Sept. 27	1825
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1553
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 6	May 29	1308
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Aug. 30	Aug. 28	1233
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	May 14	May 14	2318
40. DRUMMOND, E. J., Receptacles (part); Packages	Aug. 10	Oct. 4	2303
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Aug. 24	Aug. 3	826
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Sept. 27	Oct. 9	966
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	June 15	July 2	1227
44. HARVEY, L. P., Refrigeration; Preserving	May 4	June 6	1143
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 17	July 18	2373
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 11	Aug. 11	1406
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 18	Oct. 1	2516
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Apr. 10	Apr. 10	1887
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 3	Aug. 23	1514
50. LEVIN, SAMUEL, Synthetic Resins	Oct. 2	Oct. 2	2198
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	June 20	June 27	2188
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 4	July 13	3043
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 24	May 17	3143
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	June 7	June 2	2046
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 12	Sept. 5	1573
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Aug. 10	Aug. 9	1452
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Feb. 28	June 11	2677
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 22	Dec. 5	1203
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	May 22	May 28	2020
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Aug. 31	1784
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	June 7	June 21	2455
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 16	May 10	3339
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	July 7	June 7	1918
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Mar. 7	Mar. 4	939
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 14	June 13	2336
Trade-Marks: RICHMOND, F. A.	Dec. 18	†May 21	10474
Designs: KALUPY, H. H.	Dec. 3	†June 26	6580

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE ORRIN WESTON PINEO, DECEASED, AMERICAN CYANAMID COMPANY, ASSIGNEE

No. 5,191. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 230]

PATENTABILITY—OLD COMBINATION.

On affirmance of the rejection of appellant's claims as drawn to the old combination of drive mechanism with spectrophotometer mechanism, *Held* that "the Examiner and the Board were correct in holding that even though the drive mechanism element was new and in itself involved invention this fact alone would not avoid the settled doctrine that if invention rests in an element of a combination an applicant is not entitled to a combination claim involving that element unless the element coacts with the other elements in such a way as to bring about a new, unexpected and beneficial result flowing from such new combination."

APPEAL from the Patent Office. Affirmed.

Mr. Robert Ames Norton (*Mr. Edmund H. Parry, Jr.* of counsel) for Orrin Weston Pineo, Deceased, American Cyanamid Company, Assignee.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

BLAND, *J.:*

The application for a patent involved in this appeal was filed by Orrin Weston Pineo. The application was assigned to the American Cyanamid Company. The said Pineo is deceased.

The claims in the instant application, numbered 6, 7, 8 and 9, relate to improvements in flickering beam spectrophotometers.

Upon appeal from the decision of the Primary Examiner, the Board of Appeals of the United States Patent Office affirmed the action of the Examiner in finally rejecting all of the claims, and it is from the decision of the Board that appellant has here appealed.

Claim 6, which is regarded as illustrative, reads:

6. In a recording spectrophotometer having a movable photometering element linked to a unit of a recording device and operated by a motor in response to light passing through the photometering element and a variable transmission in the linkage between the photometering element and recording unit, the improvement which comprises a cam follower in operative relationship with the photometering element, a rotatable shaft adapted to be shifted laterally, a plurality of cams fixed on the shaft whereby a lateral movement of the cam shaft will bring a selected cam into engagement with the cam follower and means adapted to actuate said recording unit in response to angular rotation of the cam shaft.

In rejecting the four involved claims, the Examiner cited as a reference the deceased Pineo's own patent, No. 2,218,357, October 15, 1940. The Examiner rejected all four claims upon the ground that they were drawn to an old combination, and, in a statement which is so unusually full and clear on the particular issue with which we are here concerned that we feel justified in quoting from it at some length, said:

In the present application, a spectrophotometer of the same general construction as that in the Pineo patent is shown in outline. The specific improvement is in the drive mechanism between the motor 8 and prism 6 (corresponding to motor 14 and prism 16 of the Pineo patent). In this construction, the motor 8 drives shaft 25 which carries a series of cams 26 * * *. To rotate the prism, a push rod 16 is connected to the prism * * * and engages one of the cams. Thus rotation of the cam pushes the rod 16 and rotates the prism 6, the ratio of movement of the shaft 25 and prism 6 depending on the shape of the cam.

The cam shaft 25 may be adjusted longitudinally by knob 50 to selectively position different cams 26 in engagement with the rod 16, a solid portion 40 forming a bearing for the end of the rod when the cams are shifted. Thus when it is desired to shift from one cam to the next, the shaft 25 is turned manually until the portion 40 is in engagement with the rod 16 and the cams 26 are shifted until the selected one is positioned to actuate rod 16.

The claims have been rejected as drawn to an old combination of the variable ratio drive with a spectrophotometer mechanism, as the cooperation of the drive mechanism with the light transmitting apparatus does not differ from the disclosure of Pineo. In drafting these claims, applicant has attempted to avoid the form of combination claims. But as the claims are readable in their entirety only on the complete spectrophotometer mechanism and would require such mechanism for infringement, it is clear that in reality the combination is claimed. See *In re Harris* 510 O. G. 776; 107 F.(2d) 623, wherein the Court of Customs and Patent Appeals held claims of similar form to be drawn to an old combination.

Also, it is clear that applicant considers that the claims are to the combination, as he states that "He created an entirely new spectrophotometer." (Amendment of July 17, 1943.) And in the letter of August 9, 1943, is the statement that "applicant further modified his claims and pointed out that he was not merely claiming an improvement in one element of an old spectrophotometer but, in fact, an entirely new machine."

* * * * * * *

Since the patentability of combination claims is independent of the novelty of the several elements, it may be assumed for purposes of consideration of the combination that the elements themselves are old. The claims may then be tested by determining whether the association of such old elements would be inventive.

Applying this test to the present claims, it may be assumed that the particular variable ratio drive mechanism is old. The light transmitting mechanism is admittedly old, in fact, such mechanism is not even illustrated. But the sole operation of the variable drive mechanism in this combination is to rotate the prism according to the selected function desirable. That is, to drive the prism through a selected cam. This operation is also that of the Pineo patent. Substitution of the drive mechanism shown for that of Pineo may provide a simple and more convenient arrangement for shifting from one drive ratio to another. However, such simplicity and convenience is due solely to the operation of the drive mechanism. Its cooperation with the prism is the same as in the Pineo patent. Therefore such substitution of the present form of drive mechanism for that shown in Pineo does not involve invention and the association of elements shown is not patentable.

When appeal was taken to the Board, it not only affirmed the Examiner's rejection on the ground of old combination but went further and, in its first opinion, expressed the view that all of the elements of the combination in the claim were old and that the Examiner, as they viewed his opinion, had so held. Upon request for reconsideration, the Board reversed itself as to the second ground of rejection and withdrew the same, but affirmed the Examiner's rejection on the ground of old combination.

The law is so well-settled on this question that it would not be helpful here to belabor the issue. It seems clear to us that the Examiner and the Board were correct in holding that even though the drive mechanism element was new and in itself involved invention this fact alone would not avoid the settled doctrine that if invention rests in an element of a combination an applicant is not entitled to a combination claim involving that element unless the element coacts with the other elements in such a way as to bring about a new, un-

expected and beneficial result flowing from such new combination.

There is not any new coaction between the element here stressed by appellant and the other parts of the combination defined in the claims. The new element functions in the old way and even though it may make for an improved machine, the invention, if any, rests clearly in the new element and should have been so defined.

The only improvement that appellant has made, irrespective of whether it is inventive or not, is in the cam mechanism and in nothing else. The following authorities are cited by the Solicitor for the Patent Office, and we think they are pertinent: *Lincoln Engineering Co.* v. *Stewart Warner Corporation*, 303 U. S. 545, 490 O. G. 3; *In re Cook*, 30 C. C. P. A. (Patents) 935, 134 F.(2d) 494, 57 USPQ 120, 552 O. G. 560; *In re Plummer*, 30 C. C. P. A. (Patents) 701, 130 F.(2d) 758, 55 USPQ 130, 545 O. G. 14; *In re Powers*, 29 C. C. P. A. (Patents) 914, 126 F.(2d) 493, 53 USPQ 27, 541 O. G. 459; and *In re Land*, 27 C. C. P. A. (Patents) 863, 109 F.(2d) 246, 44 USPQ 348, 516 O. G. 813.

In *Lincoln Engineering Co.* v. *Stewart Warner Corporation*, supra, the Court stated:

> The improvement of one part of an old combination gives no right to claim that improvement in combination with other old parts which perform no new function in the combination.

In a comparatively recent case decided by this court, *In re Plummer*, supra, it was stated:

> The fact that some elements of a claimed combination are novel and possibly patentable as individual elements does not render the combination containing them patentable in the absence of novel cooperative relation in the combination itself.

Many other authorities might be cited to the same effect, but the law is so well-settled, as is evidenced by the decisions of many courts, particularly during the last decade, that we would not be justified in unduly extending this opinion by further discussing them.

The decision of the Board affirming the action of the Examiner in rejecting the appealed claims upon the ground of old combination is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE LAKE

No. 5,209. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 241]

1. PATENTABILITY—INVENTION.
   "We think the patentee Field's disclosure of the use of acetone as an azeotrope former to separate cyclohexane from an aromatic compound (benzene) would clearly suggest to one skilled in the art that the use of acetone in the azeotropic distillation of a more complex reformed gasoline fraction containing olefins might be effective, and that to try out such a process and discover that it was successful would not involve invention."

2. SAME—SEPARATION OF HYDROCARBONS.
   Claims to a process of separating paraffins and olefins from aromatics in a catalytically reformed gasoline fraction *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Sol Shappirio for Lake.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting the claims (Nos. 18 and 19) in appellant's application for a patent for an alleged invention relating to a process of separating, by distillation, hydrocarbons, specifically, paraffins and olefins from aromatics in a catalytically reformed gasoline fraction.

Claim 18 is sufficiently illustrative of the appealed claims, the only difference being that it is broader in that it calls for the separation of paraffin and olefin hydrocarbons from aromatic hydrocarbons, whereas claim 19 is limited to the separation of paraffins and olefins from benzene, one of the aromatic hydrocarbons.

> 18. A process for the treatment of a catalytically reformed gasoline fraction boiling over a range of about 150 and 200° F. to separate paraffins and olefins from aromatics which comprises distilling said fraction boiling between about 150 and 200° F. in the presence of a sufficient amount of acetone to vaporize the paraffins and olefins present with the acetone thereby leaving the aromatics in the residue substantially separated from the other hydrocarbons in the fraction.

The references are: McKittrick, 2,162,963, June 20, 1939; Haltermann (British), 513,566, published November 16, 1939; Field, 2,212,810, August 27, 1940.

It appears from the record that it is difficult to separate hydrocarbons having "small differences in boiling points," and that appellant uses a sufficient amount of acetone which volatilizes the paraffins and olefins with the acetone, leaving the aromatics as a residue.

The claims were rejected by the Primary Examiner on the patent to Field in view of the patents to McKittrick and Haltermann, the Examiner stating that the patent to Field discloses azeotropic distillation of a hydrocarbon fraction having a boiling point of 176° F. with a sufficient amount of acetone (the azeotrope former) to vaporize the paraffin (cyclohexane) present with the acetone, leaving as a residue the aromatic hydrocarbon—benzene. The Examiner also stated that it did not require invention to separate aromatics, specifically benzene (called for by claim 19) from a gasoline fraction by a similar process; that the reference patents to McKittrick and Haltermann disclose the separation of aromatics from petroleum fractions, such as gasoline, "in the presence of an azeotrope former"; that a catalytically formed gasoline is not vitally different from other gasolines which contain olefins and benzene; and that "The gasoline fractions from sources in this country will be substantially free from benzene and olefins unless catalytically reformed. The presence of olefins will necessitate that the oil be more closely fractionated, but McKittrick shows that the olefins and aromatics can be fractionated by azeotropic distillation."

In its decision affirming the decision of the Primary Examiner, the Board of Appeals stated that the addition of large quantities of acetone to the mixture of catalytically reformed gasoline forms an azeotropic mixture of paraffins and olefins having a different boiling point from that of the aromatic hydrocarbons, and that in the distillation process the paraffins and olefins volatilize with the acetone, leaving a residue which is practically a pure aromatic hydrocarbon. The Board called attention to the fact that, as stated by the Primary Examiner, the patent to Field discloses azeotropic distillation of cyclohexane from benzene by the use of an azeotrope former (acetone), and stated that as cyclohexane is usually regarded as an aliphatic compound, it would not involve invention, especially in view of the disclosure in the patent to Haltermann, to use a similar process in azeotropic distillation of a catalytically reformed gasoline fraction, as called for by the appended claims.

The Board was of opinion that the patent to McKittrick was not an especially pertinent reference. Accordingly, we need not discuss it here.

The reference patent to Haltermann discloses a process for the recovery of aromatic hydrocarbons from mixtures of aliphatic, hydroaromatic, and aromatic hydrocarbons by the use of "methanol, ethanol, furfurol, pyridine bases and the like." The patentee states that the hdrocarbons in petroleum tars "and synthetic hydrocarbon mixtures in most cases constitute mixtures of aromatic, hydroaromatic and aliphatic hydrocarbons," and that the aromatic hydrocarbons are the most valuable products of the group. (The aromatic hydrocarbon referred to in the patent is benzene.) The patentee does not state that he uses acetone as an azeotrope former. He states, however, that the "methanol, ethanol, furfurol, pyridine bases and the like" have a "greater dissolving power for the aromatic hydrocarbons than for the hydroaromatic and aliphatic hydrocarbons."

Counsel for appellant concedes in his brief that "acetone is a better solvent for aromatics than it is for aliphatics."

(It may be said at this point that the patentee Haltermann does not mention the presence of olefins in his gasoline fractions. So, the most that the patentee discloses is that it is old to separate the aromatic from the hydroaromatic and aliphatic hydrocarbons by the use of azeotrope formers, although the patentee does not use acetone, the azeotrope former called for by the appealed claims.)

The difference between the disclosure in the Field patent and that alleged in appellant's application is that appellant's process is applied to a catalytically reformed gasoline fraction which includes olefins, whereas the patentee Field discloses the process of removing cyclohexane from an aromatic hydrocarbon (benzene) by the use of an azeotropic former (acetone).

That cyclohexane has the behavior of an aliphatic hydrocarbon, cannot be questioned. See Wertheim "Textbook of Organic Chemistry," page 394.

Counsel for appellant contends that neither the Field patent nor the patent to Haltermann shows the azeotropic distillation of a complex gasoline fraction containing olefins, and that, therefore, neither of those patents suggests the use of acetone in the azeotropic distillation of gasoline containing olefin hydrocarbons for the purpose of isolating aromatic hydrocarbons.

It is true that neither of those reference patents specifically refers to the presence of olefin hydrocarbons. However, it is not contended here by counsel for appellant that olefin hydrocarbons are not aliphatic hydrocarbons.

Aliphatic compounds include "unsaturated compounds, as the ethylene and acetylene series." The olefin hydrocarbon is a "member of the series of unsaturated hydrocarbons of which ethylene is a type." See Webster's New International Dictionary, 1932.

The patentee Field clearly discloses the separation of cyclohexane, which has the behavior of an aliphatic hydrocarbon, from an aromatic compound (benzene) by distillation in the presence of an azeotrope former (acetone).

[1] We think the patentee Field's disclosure of the use of acetone as an azeotrope former to separate cyclohexane from an aromatic compound (benzene) would clearly suggest to one skilled in the art that the use of acetone in the azeotropic distillation of a more complex reformed gasoline fraction containing olefins might be effective, and that to try out such a process and discover that it was successful would not involve invention.

We have given careful consideration to the arguments presented here by counsel for appellant, but are of opinion that the tribunals of the Patent Office reached the right conclusion.

[2] The decision of the Board of Appeals is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE WEST DISINFECTING COMPANY

No. 5,183. Decided June 11, 1946

[— F. (2d) —; 70 USPQ 216]

1. TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.
   The cleaning preparation for rugs, carpets, upholstery and the like, to which appellant applies the mark "Rugfoam," *Held* to be goods of the same descriptive properties as "a concentrated upholstery and rug shampoo having incidental moth-preventative properties," to which the registered trade-mark "Fabrikfoam" is applied.

2. SAME—CONFUSING SIMILARITY.

Held that the marks "Rugfoam" and "Fabrikfoam" differ in appearance and sound, but are practically identical in significance; and that their concurrent use on goods of the same descriptive properties would be likely to cause the confusion, mistake and deceit which the statute prohibits.

APPEAL from the Patent Office. Affirmed.

Messrs. Clarence A. O'Brien & Harvey B. Jacobson (*Mr. C. Ludwell Hyde* and *Mr. Edward Burch* of counsel) for West Disinfecting Company.

Mr. W. W. Cochran (*Mr. Pasquale J. Federico* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Commissioner of Patents, 64 USPQ 489, affirming that of the Examiner of Trade-Marks denying registration of "Rugfoam" as a trade-mark applied to a cleaning preparation for rugs, carpets, upholstery and the like. Appellant alleged use of its mark on said goods since June 1941.

The Examiner refused registration of the mark on the ground that it was confusingly similar to the trade-mark "Fabrikfoam," registered March 5, 1935, for use in connection with "a concentrated upholstery and rug shampoo having incidental moth-preventative properties." As a further ground of rejection the Examiner held the mark unregistrable as being descriptive.

Upon appeal the Commissioner affirmed the decision of the Examiner as to the first ground of rejection, but reversed it as to the second ground, holding that the involved terms were highly suggestive but that the expression "Rugfoam" was not descriptive.

The only question to be here decided is whether or not the respective marks are so similar in appearance or significance as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers when used in connection with the respective goods.

[1][2] It is apparent that the terms "Rugfoam" and "Fabrikfoam" differ in appearance and sound. However, the inference to be drawn from the meaning of both expressions is that both indicate a cleaning preparation for rugs and the like and fabrics and the like. But rugs, generally speaking, are fabrics and nothing more, as was pointed out in the decision of the Commissioner. Therefore we must hold the goods to which the respective marks are applied to possess the same descriptive properties, and since the two terms are practically identical in significance we are of opinion that their concurrent use on the respective goods would be likely to cause the confusion, mistake and deceit which the statute prohibits.

The decision of the Commissioner is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

Changes in Classification

Order No. 4092, August 28, 1946, directs:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH CLASS

83—MILLS (Division 25).

ABOLISH SUBCLASS

In *class 74, Machine Elements and Mechanisms* (Division 12):

Control lever and linkage systems
Elements
Handles
Shaft connections
549 Yieldable

CHANGE SUBCLASS TITLE

In *class 81, Tools* (Division 29), subclass 15.3 should read:

Repair tools for resilient tires
15.3 Holders for spread tire casings

ESTABLISH SUBCLASSES

In *class 18, Plastics* (Division 15):

2.4 Liquid comminuting and solidifying apparatus
2.5 With fluid blast or stream
2.6 With rotary projection means
2.7 Gravity type
Processes
47.2 Liquid comminuting and solidifying
47.3 With fluid blast or stream

In *class 146, Vegetable and Meat Cutters and Comminutors* (Division 25):

to follow subclass 221

Processes
221.5 Grain hulling by solid work treating agent
221.6 With application of loose abrasive
221.7 With heating, cooling, fluid, or chemical treatment
221.8 Moistening or reaction fluid applied prior to or coincident with hulling action
221.9 With additional subsequent heating, cooling, or fluid applying

to follow subclass 42

250 Grain hullers and scourers; abrasion or impact type
251 Automatic control
252 With loose abradant supplying means
253 With means to project grain into contact with independent hulling surface
254 With grain orienting means
255 With fluid applying means
256 Liquid applying means
257 With means to recirculate gas to material or means to return grain for retreatment
258 Gas borne material applied to perforate hulling zone enclosure
259 Plural hulling zones
260 Material applied to perforate surfaces in plural zones
261 With additional diverse gas applying
262 With means to apply gas both subsequent and prior to hulling operation
263 Gas moving means comprises, or is attached to moving hulling member
264 Gas passes through perforate or sectional rotary inner hulling member
265 Coaxial rotary hulling member and gas moving means
266 Means to apply gas between or within plural hulling zones
267 With additional diverse gas applying
268 Means to apply gas prior to hulling operation
269 Means to apply gas subsequent to hulling operation
270 Plural gas applying means on same material
271 Plural hulling zones
272 With subsequent screen separator
273 Gas moving means comprises, or is attached to, moving hulling member
274 Coaxial rotary hulling member and gas moving means
275 Hulling surface, enclosure or container provided with openings for discharge of material
276 Moving perforate surface
277 Perforate drum-type surface having longitudinal non-perforate hulling portions
278 With non-smooth surface characteristics
279 Cooperating inner member and cylindrical or conical perforate surface
280 With separating means
281 Annular screen surrounding hulling zone or screen integral with moving hulling member
282 With feeding or discharging mechanism or control means
283 Intermittently operated or vibrating feed or discharge means non-rigidly interconnected with moving hulling member
284 Feed or discharge device integral or coaxial with moving hulling member
285 Discharge control valve
286 Combined
287 Plural hulling zones
288 Coaxial or unitary rotary hulling members
289 Circumferential or tangential flow of grain
290 Axial material flow through partitioned hulling drum
291 Endless belt hulling surface
292 Rotary grain moving or hulling member
293 Circumferential or tangential flow of grain
294 With independent grain handling supporting or treating member
295 Rotary cylindrical or conical drum cooperating with independent inner member
296 Plural cooperating rotary members
297 Adjustable or yieldably mounted member
298 Adjustable or yieldable stationary member
299 Hulling surface deformable by contact with grain
300 Stationary cylindrical or conical drum with rotary inner member
301 With intermeshing surface characteristics
302 Horizontal axis
303 With intermeshing surface characteristics
304 Reciprocating hulling member (including oscillating)
305 Hulling elements
306 Radial hulling face
307 Annular internal hulling face
308 Sectional or separable surface elements

In *class 167, Medicines, Poisons, and Cosmetics:*

Medicines (Division 43)
51.5 Sulfa compound containing
Animal extracts
74.5 Urine
74.6 Liver or kidney

In *class 250, Radiant Energy:*

1.50 Reflected and/or otherwise returned wave systems (e. g. object detection, radar) (Division 51)
1.52 Combined with diverse type radiant energy systems
1.54 Utilizing returned signal for control purposes
1.56 Determining velocity of an object
1.58 Combined with determining of direction and/or distance
1.60 Determining distance and direction
1.62 Pulse type
1.64 Determining distance
1.66 Pulse type
1.68 Frequency modulated wave
1.70 Triangulation type
1.72 Determining direction
1.74 Image production
1.76 Reflectors, absorbers, and countermeasures

In *class 254, Pushing and Pulling Implements* (Division 61):

50.1 Resilient tire casing spreaders
50.2 Spreader and tire casing relatively movable or rotatably mounted
50.3 Fluid pressure operated
50.4 With tire casing support

CHANGES IN "CLASSES ARRANGED BY EXAMINING DIVISIONS"

Under Division 10, cancel the matter pertaining thereto and substitute:

250—RADIANT ENERGY, subclasses 14, 16, 21–27, 28–32, 36–40 (See Divisions 51 and 54 for other subclasses).

179—TELEPHONY, subclass 171.5 (See Divisions 16 and 65 for other subclasses).

Under Division 16, in the reference to 179, Telephony, change "51" to *10*.

Under Division 25, cancel:

83—MILLS

Under Division 51, cancel the references to 250, Radiant Energy, and 179, Telephony, and substitute:

250—RADIANT ENERGY, subclasses 1–13, 15, 17–20, 33, 41 (See Divisions 10 and 54 for other subclasses).

Under Division 54, in the reference to 250, Radiant Energy, change the parenthetical phrase to read:

(*See Divisions 10 and 51 for other subclasses*).

Under Division 65, in the reference to 179, Telephony, change "16" and "51" to *10* and *16*.

CHANGES IN "CLASSES ALPHABETICALLY ARRANGED"

On page 10 (1944) cancel:

83—MILLS . . . 25

On page 11 (1942) in the reference to 250, Radiant Energy, before ". . . 51," insert *10,*.
and in the reference to 179, Telephony, cancel "51," and insert *10,*.

CHANGES IN "CLASSES NUMERICALLY ARRANGED"

Cancel:

83—MILLS . . . 25

In the reference to 179, Telephony, cancel "51," and insert *10,*.

In the reference to 250, Radiant Energy, before ". . . 51," insert *10,*.

MISCELLANEOUS CHANGES

On page 256 (1945) in the class title, singularize "Portables".

On page 287 (1945) subclass 64 should be indented under subclass 63.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	Subclass	Class	Subclass
74	549	64	27, 28+
		74	Various
		123	185
83	23	146	250+
		241	Various
83	27, 28	34	Various
		134	Various
		259	Various
		146	220 to 242
		99	Various
83	29 to 37	146	221.5+, 250+
		51	163+
83	91	18	2.4+, 47.2+

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Sources	
Class	Subclass	Class	Subclass
18	2.4+	83	91
	47.2+	83	91
146	221.5+	83	28 to 37
	250+	83	23, 29 to 37
167	51.5	167	58+, 65
	74.5, 74.6	167	74
250	1.50+	175	182
		250	1, 2
254	50.1+	81	15.3
		154	9

IN THE DEFINITIONS:

8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers (Division 43)

in subclass 101, under "Search Class", cancel the reference to class 83, Mills.

15, Brushing, Scrubbing and General Cleaning (Division 27)

in the main class definition, in (1) Note, under "Search Class" in the reference to class 146, Vegetable and Meat Cutters and Comminutors, insert prior to the word "comminuting," *peeling, hulling,*;

in (3) Note, under "Search Class" cancel the reference to class 83, Mills;

and in the reference to class 146, Vegetable and Meat Cutters and Comminutors, add:

See particularly subclass 221.5 for processes of hulling grain involving the use of brushes, wipers, etc., and subclass 250+ for apparatus employing such means for grain hulling and see the notes thereto for a statement of the line.

in subclass 3.10, under "Search Class" add:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 250+ for grain hulling and cleaning apparatus, and see the notes thereto for the line.

in subclass 256.5 under "Search Class" cancel the reference to class 83, Mills.

18, Plastics (Division 15)

in the main class definition after fourth paragraph add the following:

This class has been made the generic class for the subject matter for the following subclasses and those indented thereunder, regardless of material worked on:

2.4+	**Liquid comminuting and solidifying apparatus**
	Processes
47.2+	Liquid comminuting and solidifying

establish the following subclass definitions:

2.4. Apparatus for forming particles or bodies in which a liquid or melted material is comminuted, and the subdivided particles are solidified without being in contact with a mold or other surface which would impart a shape or form to the particle.

(1) Note.—Apparatus coming within the definition of this and indented subclasses are classified herein regardless of the material treated.

(2) Note.—Apparatus which includes means for agglomerating the particles formed by comminuting a liquid in order to make a molded or shaped object is not classified in this or indented subclasses but is classified in the appropriate class providing for the molding or shaping apparatus.

(3) Note.—Patents claiming both an apparatus for comminuting and solidifying a liquid and the product so produced are classified in the class providing for the product and cross referenced to this or an indented subclass.

Search this class, subclass—

8—for devices for "spinning" non-metallic filaments through a nozzle or spinnerette.

12+—for extruding devices for non-metallic elastic materials.

47.2+—for processes carried out by apparatus classified in this and indented subclasses.

Search Class—

19—TEXTILES, FIBER PREPARATION, subclass 155+ for apparatus for forming webs from mineral wool or other fibers.

22—METAL FOUNDING, subclass 57+, for casting metal in a mold or on a shaping surface.

29—METAL WORKING, subclass 1.22, for apparatus and method for making bullets or shot, usually involving a plurality of metal working operations, and subclass 4.5, for the production of metal shreds by a cutting operation.

49—GLASS, subclasses 1 and 17, for apparatus for melting and blowing of slag or mineral wool combined with coating the wool during the forming step, apparatus including glass furnace structure, and for producing glass filaments by drawing.

91—COATING, subclasses 12.2 and 44+, for apparatus for spraying material for the purpose of coating a base and for spraying apparatus disclosed and claimed broadly.

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 27, for apparatus for forming insulation by making bats of mineral wool, etc., employing an adhesive binder.

204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, subclass 298, for coating or forming by cathode sputtering.

207—PLASTIC METAL WORKING, for apparatus for extruding metal.

241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 31 to 301, for apparatus for comminuting solid material, even though combined with a prior comminuting and solidification of a melted material.

2.5. Apparatus under subclass 2.4 in which the liquid or melted material is subjected to the action of a blast or moving stream of an extraneous fluid which effects or aids in the subdivision and/or solidification of the comminuted material.

Search this class, subclass—

47.3—for the corresponding methods.

Search Class—

91—COATING, subclass 12.2, for metal spraying devices for coating, or for metal spraying devices broadly using a fluid blast or current.

2.6. Apparatus under subclass 2.4 which includes a projection means which rotates during operation.

2.7. Apparatus under subclass 2.4 including means for passing the liquid or melted material through a comminuting and/or solidifying medium under the influence of gravity only.

(1) Note.—This subclass includes, for example, "shot towers" in which the liquid is dropped through the air or other fluid in order to comminute and/or solidify the particles.

47.2. Processes of forming particles or bodies in which a liquid or melted material is comminuted and the subdivided particles are solidified without being in contact with a mold or other surface which would impart a shape or form to the particle.

(1) Note.—Processes within the definition of this and indented subclass are classified herein regardless of the material treated.

(2) Note.—Processes including agglomerating the particles formed by comminuting a liquid in order to make a molded or shaped object are not classified in this or indented subclass but are classified in the appropriate class providing for the molding or shaping operation.

(3) Note.—Patents claiming both a process of comminuting a liquid and the product of such process are classified in the appropriate class providing for the product and cross referenced to this or indented subclass.

Search this class, subclass—

2.4+—for the corresponding apparatus.

54—for processes of forming filaments of non-metallic plastic material by extrusion or "spinning" through a nozzle or spinnerette.

Search Class—

22—METAL FOUNDING, subclass 200+ for processes of casting metal in a mold or on a shaping surface.

29—METAL WORKING, subclass 1.22 for apparatus and methods for making bullets or shot, usually involving a plurality of metal working operations and subclass 4.5 for the production of metal shreds by a cutting operation.

49—GLASS, subclass 77.5 for processes of forming mineral fiber combined with the coating of the fibers during forming, or including a specific glass or slag melting step.

117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, subclass 106+ for processes of spraying material for the purpose of coating, or when disclosed and claimed broadly.

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclasses 28 and 101 for processes of making webs or bats from mineral wool or other fibers in which an adhesive binder is employed.

204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, subclass 192, for processes of coating or forming by cathode sputtering.

207—PLASTIC METAL WORKING, subclass 10, for processes of die expressing metal.

241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 1 to 30 for processes of comminuting and disintegrating solid materials.

47.3. Processes under subclass 47.2 in which the liquid or melted material is subjected to the action of a blast or moving stream of an extraneous fluid which effects or aids in the subdivision and/or solidification of the comminuted material.

Search this class, subclass—

2.5—for the corresponding apparatus.

19, Textiles, Fiber Preparation (Division 21)

in subclass 41, under "Search Class" cancel the reference to class 83, Mills, and substitute:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 221.5+ and 250+ for related processes and apparatus for delinting cottonseed.

21, Preserving, Disinfecting and Sterilizing (Division 44)

in the main class definition, under "VIII" add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS.

and under "XI", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 250+ for grain cleaning apparatus involving the removal of smut and other organisms by substantial rubbing, abrading, etc.

259—AGITATING, appropriate subclasses for mere mixers for combining disinfecting or sterilizing material with the material to be treated.

23, Chemistry (Division 59)

in subclass 313 cancel (2) Note and add:

Search Class—

18—PLASTICS, subclasses 2.4 and 47.2 for apparatus and process of comminuting and solidifying respectively.

25, Plastic Block and Earthenware Apparatus (Division 33)

in subclass 11 under "Search Class" add in numerical order:

18—PLASTICS, subclass 12+ for die expressing apparatus for plastic material in general.

29, Metal Working (Divisions 13, 14)

in subclass 1.2 in the note change "47" to *92.5*;

in subclass 1.22 under "Search Classes" cancel the reference to class 83, Mills, and add in numerical order:

18—PLASTICS, subclasses 2.4+ and 47.2+.

in subclass 4.5, under "Search Classes" cancel the reference to class 83, Mills, and add in numerical order:

18—PLASTICS, subclasses 2.4+ and 47.2+.

in subclass 155.41, under "Search Class" in the reference to class 18, Plastics, add the following:

"Subclasses 2.4+ and 47.2 provide for the formation of strands and filaments by blowing, centrifugal action etc., in which they are formed without contact with a mold or other shaping surface."

cancel the reference to class 83, Mills.

in subclass 155.56, in (4) Note in the reference to class 18, Plastics, add the following *before* the last sentence thereof:

"Subclasses 2.4+ and 47.2+ provide for apparatus and process for producing particles, etc., by disintegrating a liquid or melted material followed by solidification of the disintegrated material."

also cancel the reference to class 83, Mills;

and under "Search Class" cancel the reference to class 83, Mills.

30, Cutlery (Division 53)

in subclass 3, cancel the notes and substitute:

(2) Note.—Can openers combined with other cutlery implements provided for in this class will be found in subclass 142+, and openers combined with other things, in subclass 123+.

(5) Note.—Can openers having only can cutting means which deform or bend the material of the can during the cutting operation are in this subclass or indented subclasses. Such devices combined with additional means for performing a bending operation are in class 7, COMPOUND TOOLS, subclass 14.2. Such added means may be the configuration of the cutter or other portion of the device which is brought into play after the cutting operation to impose its configuration upon the material.

Search this class, subclass—

2—for openers for paper receptacles.

123+—see (2) Note above.

142+—see (2) Note above.

Search Class—

7—COMPOUND TOOLS, subclasses 14.2 and 14.25, for hand manipulable can openers combined with other hand manipulable tools, and see (5) Note above.

81—TOOLS, subclasses 3.10 to 3.49, inclusive, for receptacle closure removers in general.

220—METALLIC RECEPTACLES, subclass 47+, for metal can opening devices made up as part of the receptacle, or functioning as, or carried by, a closure for the opening formed thereby.

222—DISPENSING, subclasses 5 and 80+, for devices of the type here classified having dispensing characteristics as a part thereof.

34, Drying and Gas or Vapor Contact with Solids (Division 49)

in the main class definition, in (2) Note, in the reference to class 99, Foods and Beverages, cancel the words "for cooling," and add at the end of the reference:

Processes for treating food by gas or vapor contact for moistening are in class 99, but corresponding apparatus for such purposes is provided for in this class (34).

in the reference to class 146, Vegetable and Meat Cutters and Comminutors, add:

See particularly subclasses 221.7+, 227+ and 255+ for processes and apparatus embodying fluid applying for the purposes of that class (146) or in combination with additional steps or means there provided for.

in (3) Note, cancel the reference to class 83, Mills;

in subclass 58, in (3) Note, cancel the reference to class 83, Mills;

in subclass 108, in (8) Note, cancel the reference to class 83, Mills, and add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 276, 292 and 295 for rotary drum grain scourers.

in subclass 171, add

Search Class—

259—AGITATING, subclass 180 for such gravity flow type agitators per se.

43, Fishing, Trapping, and Vermin Destroying (Division 2)

in subclass 144, add the following:

(4) Note.—See class 146, VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 229, for processes involving applying flame to food material for the purposes of that class.

44, Fuel and Igniting Devices (Division 64)

in subclass 34, in (5) Note, after subclass 10, add: *and subclasses 96 and 97 for absorbent type burners.*

47, Plant Husbandry (Division 1)

in the main class definition, under "Search Classes" add in numerical order:

91—COATING, for apparatus for coating earth products.

99—FOODS AND BEVERAGES, appropriate subclasses for products, processes, and apparatus relating to the preservation and preparation of foods and beverages, including earth products.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, appropriate subclasses and the notes thereto for apparatus for applying liquid to solid earth products.

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, appropriate subclasses for processes and apparatus relating to the peeling, hulling, comminution, slicing, etc., of vegetable materials.

259—AGITATING, for apparatus for mixing material with earth products.

in subclass 58, add:

(1) Note.—This subclass provides the generic place for processes for preparing seeds for planting. Corresponding apparatus is classified in other classes on the basis of the function or structure of the apparatus involved, in such classes as 34, 91, 134, 146 and 259. See the main class definition of this class (47) for notes to these classes.

Search Class—

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, see (1) Note above.

91—COATING, see (1) Note above.

99—FOODS AND BEVERAGES, for processes of preparing vegetable material for consumption as food and also miscellaneous food preparation apparatus.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, see (1) Note above.

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 220 to 242, for processes of treating vegetable material including steps of the type there provided for, e. g., husking, peeling, slicing, comminuting, etc.

167—MEDICINES, POISONS AND COSMETICS, subclass 38, for seed disinfecting compositions and seed disinfecting processes distinguished solely by the composition used.

259—AGITATING, see (1) Note.

49, Glass (Division 5)

in subclass 77.5 under "Search Classes" cancel the reference to class 83, Mills, and substitute:

18—PLASTICS, subclasses 2.4+ and 47.2+ for apparatus and processes of comminuting slag and solidifying the comminuted slag. Processes involving comminuting a liquid and solidification combined with coating the comminuted particles during formation are classified in this subclass (77.5).

51, Abrading (Division 58)

In the main class definition, under "Search Class" add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, appropriate subclasses, particularly subclasses 221.5+, 250+, and 49+ for processes and apparatus for abrading vegetable material for the purposes of that class, usually hulling or peeling. See the notes to the above mentioned subclasses for the line.

In subclass 135, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 291 for endless belt abrading grain hullers.

In subclass 163, under "Search Class" add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 250+ and 49+ for hulling or peeling apparatus including abrasion by tumbling but in which the material is contacted by an abrading tool.

In subclass 164, under "Search Class" add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 276, 292, 295 and 49+ for rotary drum vegetable abraders for hulling and peeling.

In subclass 281, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, appropriate subclasses, particularly subclasses 221.5+, 226 and 241, for processes of abrading vegetable materials for the purposes of that class.

In subclass 282, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 221.6 and 226 for corresponding processes for peeling or hulling vegetable material.

In subclass 293, under "Search Class", cancel the reference to class 83, Mills.

56, Harvesters (Division 5)

In subclass 10 add:

Search this class, subclass—

328—for motor operated fruit and nut gatherers.

64, Machine Elements, Shafting and Flexible Shaft Couplings (Division 45)

In subclass 27, under (1) Note, after "subclass 574." add:

and where a control lever and linkage system has resilient connection therein, see this same class (74) subclass 470.

In subclass 28, under "Search Class" in the reference to class 74, Machine Elements and Mechanisms, cancel:

—subclass 549, for handles with yieldable shaft connections; and—

68, Textiles, Fluid Treating Apparatus (Divisions 2, 27)

In subclass 184, cancel notes 2 and 3 and substitute:

Search this class, subclass—

18—for similar machines used with filters.
51—for combined liquid pumping and squeezing machines.
131+—for machines using agitators of the impulsing type.
207—for machines for effecting a flow of liquid due to the injection into the tank of a vapor or liquid.

71, Chemistry, Fertilizers (Division 59)

In subclass 64, in (2) Note, cancel "83, Mills, subclass 91" and substitute: *18, Plastics, subclass 47.2+,*

73, Measuring and Testing (Division 36)

In the main class definition, under (3) Note in the reference to G. Radiant Energy: under class 250, Radiant Energy, add in numerical order:

1.50—for miscellaneous apparatus and methods which involve the use of a reflected and/or otherwise returned wave (radar) system for detecting an object, or to measure the distance, direction and/or velocity of an object.

under H. Speed Measuring: cancel the reference to class 250, Radiant Energy, and substitute:

250—RADIANT ENERGY, appropriate subclasses, for those utilizing transmitted radiant energy, see subclass 1.50 for those utilizing reflected or otherwise returned wave (radar) energy.

74, Machine Elements and Mechanisms (Divisions 12 and 45)

Abolish subclass 549.

81, Tools (Division 29)

In subclass 15.3 cancel the definition and note and substitute:

15.3. Devices under subclass 15.2 comprising means for holding tire casings in deformed position for inspection, repairs or other purposes.

(1) Note.—The devices classified herein are mere holders and are provided with no means adapting them to use in applying force to spread the tire beads, such spreaders being provided for in class 254, PUSHING AND PULLING IMPLEMENTS, subclasses 50.1+ or are referred to in the notes.

(2) Note.—The devices classified in this subclass are implements adapted to be supported by the casing and afford no support for the tire. Apparatus for a similar use, but provided with means to support the tire, are in class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 9.

Search Class—

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 9, see (2) Note above.
254—PUSHING AND PULLING IMPLEMENTS, subclass 50.1+, see (1) Note above.

In subclass 52.4, under "Search Class", cancel the reference to class 74, Machine Elements and Mechanisms.

91, Coating (Division 46)

In the main class definition, add the following:

(13) Note.—See class 259, AGITATING, appropriate subclasses for agitating apparatus which may be disclosed as involving a coating function but comprising merely means to agitate particulate base material with particulate or liquid coating material. Class 259 does not provide for additional operations such as separation of the coated base from the coating material or vice versa, such combinations being classified in this class (91) or other class appropriate thereto.

In subclass 7, add the following:

Search Class—

259—AGITATING, appropriate subclasses and see (13) note to the main class definition of this class (91).

In subclass 52, under "(2) Search Classes", add in numerical order:

259—AGITATING, appropriate subclasses, and see (13) note to the main class definition of this class (91).

92, Paper Making and Fiber Liberation (Division 56)

In subclass 7, under "(2) Search Classes", cancel the reference to class 83, Mills, and add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 227+ for processes for removing fibrous integuments from vegetable material by fluid application.

In subclass 27, under "Search Class", cancel the reference to class 83, Mills, and add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 279 and 300+.

In subclass 29, under "Search Classes", cancel the reference to class 83, Mills.

In subclass 33, under "(2) Search Classes", cancel the reference to class 83, Mills.

99, Foods and Beverages (Divisions 1, 63)

In the main class definition, cancel (8) Note, and in (13) Note, after "cutting," insert: *hulling, peeling,*

In subclass 80, under "Search Class", add in numerical order:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for drying or gas or vapor treatment of grain and see the statement of the line in the main class definition of class 34.
47—PLANT HUSBANDRY, subclass 58 for processes of treating seed for planting.
146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 220 to 242, particularly subclass 221.5+, for processes of treating cereal grains for the purposes of that class, i. e., hulling, scouring, etc.

In subclass 237, cancel (2) Note, and add the following:

Search Class—

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for apparatus for drying or applying gas or vapor to grain for various purposes and see the statement of the line in the main class definition of class 34.
134—CLEANING AND LIQUID CONTACT WITH SOLIDS, and the notes thereto for apparatus for cleaning or applying liquid to grain for other purposes and see the main class definition of that class for the line.
146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, for apparatus for grain hulling, scouring, slicing, etc., as provided for by the definitions of that class.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, for apparatus for comminuting grain.

106, Compositions, Coating or Plastic (Divisions 38 and 64)

In subclass 50, under (3) Note, cancel "83, Mills, subclass 91" and substitute: *18, Plastics, subclass 47.2+*

110, Furnaces (Division 19)

In subclass 180, under "(2) Search Classes" add:

263—HEATING, subclass 44, for furnace cooling there provided for.

126, Stoves and Furnaces (Division 19)

In subclass 369, under "(3) Search Classes", cancel the reference to class 83, Mills.

127, Sugar, Starch and Carbohydrates (Division 43)

In subclass 67, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, appropriate subclasses, particularly subclass 221.5+, for processes of removing husks from grain.

In subclass 68, under "(2) Search Classes", cancel the reference to class 83, Mills, and add in numerical order:

99—FOODS AND BEVERAGES, and the notes thereto. This is the generic class for the treatment of grain by fluids for processing into food.

134, Cleaning and Liquid Contact with Solids (Division 27)

In the main class definition, under "Notes" in (1) under "Search Class", cancel the reference to class 83, Mills, and add in numerical order:

47—PLANT HUSBANDRY, subclass 58, for processes of preparing vegetable seed for planting, including liquid application.

and in the reference to class 146, Vegetable and Meat Cutters and Comminutors, add at the end of the reference:

However, class 146, subclass 250+, provides for devices in which grain is subjected to an appreciable abrading or rubbing for the disclosed purpose of cleaning. See (3) Note to the definition of subclass 250 of class 146.

under "Notes" in (4) under "Search Class", in the reference to class 209, Classifying, Separating and Assorting Solids, add at the end of the reference:

Processes and apparatus in which the liquid used to promote separation of the solids into grades is disclosed and/or claimed as also treating the solids for purposes in addition to separation is not provided for in class 134 but in class 209 or other appropriate class.

and in the reference to class 259, Agitating, add at the end of the reference:

Liquid contacting agitators combined with other devices not provided for as combinations in class 259 (see the class definition of that class), e. g., means to separate the contact liquid from the treated solid, are provided for in this class (134) or other appropriate class according to the lines therebetween.

In subclass 7, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 221.6 and 252 for processes and apparatus of the type there provided for including the use of a particulate solid work treating agent.

146, Vegetable and Meat Cutters and Comminutors (Division 25)

In the main class definition, paragraph 1, after the word "meats," insert: *the removal of husks from grain,* under "Notes" under (1) in the reference to class 99, Foods and Beverages, section "(c)", at the end of the reference add: *However, see (3) Note in the definition of subclass 250 of this class (146).*

under "Notes" under (3), add the following in numerical order:

47—PLANT HUSBANDRY, appropriate subclasses, particularly subclass 58 for processes and apparatus for testing and treating seed grain in preparation for planting.

and cancel the reference to class 51, and substitute:

51—ABRADING, for abrading processes and apparatus of general application. Processes of abrading meat and vegetables for the purposes of this class (hulling, disintegrating, etc.), are provided for in the appropriate process subclasses of class 146. Class 146 provides for abrading apparatus in such subclasses as 250+ and 49+, but see (2) Note to the subclass definition of subclass 250 for a further statement of the line.

In subclass 8, cancel the note and add:

Search this class, subclass—

7—for devices of similar character operating on coconuts.
32—for devices for removing the skins from nuts.
250+—for similar devices for removing the husks from grain.

In subclass 9, add:

Search this class, subclass—

225—for corresponding processes.
253—for similar devices operating on grain.

Search Class—

241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 5, 39+, and 275 for similar comminutors.

In subclass 13, cancel the note, and add:

Search Class—

81—TOOLS, for vises, tongs and pipe wrenches.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 168+, for hand supported and operated comminutors.

In subclass 32, cancel the note, and add:

Search this class, subclass—

49+—for abrading type peelers and parers for other vegetable material.
250+—for similar apparatus for removing the husks from grain.

In subclass 49, add the following:

Search this class, subclass—

32—for abrading type nut skinners.
250+—for abrading type grain huskers.

Search Class—

51—ABRADING, for abrading processes and apparatus of general application.

In subclass 76, insert:

Search this class, subclass—

222—for corresponding processes.
280+—for grain huskers combined with separating means.

establish the following subclass definitions:

221.5. Processes under the class definition in which naturally occurring integuments are removed from grain kernels or parts thereof by subjecting the grain to the mechanical action of a solid agent.

(1) Note.—Hulling processes employing mere agitation of the grain for the purpose of (1) effecting mutual attrition of the grains on each other, (2) for better presentation of the grain surfaces to the action of a fluid, or (3) for some other purpose, are not considered treatment by a solid agent for this group, but will be found in other appropriate subclasses of this class or will be referred to in the notes thereof.

(2) Note.—The term "grain" is considered to include those small seeds to which the term is ordinarily applied, i. e., wheat, corn, oats, barley, coffee beans, cottonseed, etc., and to exclude larger vegetables such as nuts, beets, etc.

(3) Note.—Processes of cleaning extraneous matter from grain, in contradistinction to naturally occurring parts of the grain, are not found here but in the appropriate subclasses of class 99 or other appropriate classes.

Search this class, subclass—
222 to **229, 232+, 235**—for grain hulling processes not involving the use of a solid work treating agent.
230+—for corresponding processes applied to vegetable material other than grain.
250+—for corresponding grain hulling apparatus.

Search Class—
99—FOODS AND BEVERAGES, see (3) Note above.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, appropriate subclasses, particularly subclass 7 for processes of comminuting grain and processes including both hulling and comminution. Since the hulling operation classified here (146) will, in most cases, divide the hull portion into a number of pieces, only those processes which effect the breaking of the grain body (endosperm) into a plurality of pieces are to be considered combined hulling-comminution processes for class 241.

221.6. Processes under subclass 221.5 in which loose abrasive material is employed as the solid work treating agent.

Search this class, subclass—
252—for corresponding apparatus.

Search Class—
51—ABRADING, subclass 282, and the notes thereto for such processes in general.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 22, for comminuting processes including applying solids to the material.

221.7. Processes under subclass 221.5 involving (1) heating, (2) cooling, or (3) the application of chemicals or fluids to the grain or any combination of (1), (2) and (3).

Search this class, subclass—
230+—for similar processes applied to material other than grain.
255+—for hulling apparatus involving fluid applying means.

221.8. Processes under subclass 221.7 in which a fluid is applied to the grain prior to or coincident with the hulling operation for the purpose of moistening the grain or carrying out a chemical reaction with some part thereof.

Search this class, subclass—
231—for such processes applied to material other than grain.
268+—for hulling apparatus provided with means to apply a fluid to the grain prior to hulling.

221.9. Processes under subclass 221.8 in which the grain is subjected to a heating, cooling and/or fluid applying treatment in addition to the moistening or chemical treatment.

Search this class, subclass—
261+, 267, 268 and **270**—for hulling apparatus involving plural fluid applying.

in subclass 222, under "Search this class, subclass", add in numerical order:

76—for corresponding apparatus combinations.
221.5+—for grain hulling processes including separation steps.
280+—for grain hulling apparatus provided with separating means.

in subclass 224, add the following:

Search this class, subclass—
254—for grain orienting means in hulling combinations.

in subclass 226, under "Search Class", add in numerical order:

51—ABRADING, subclass 282, for processes of abrading by tumbling in general. Corresponding processes of abrading meat and vegetables by mere tumbling for the purposes of this class are provided for in this subclass (226).

in subclass 227, under "Search this class, subclass", add in numerical order:

221.7+—for grain hulling processes including the use of the additional steps provided for in this subclass. This subclass (227) and those indented hereunder provide for grain hulling processes of the type defined above, which do not include the use of a solid work treating agent.

in subclass 230, under "Search this class, subclass", add in numerical order:

50—for abrading type peelers having liquid applying means.
221.5+—for grain hulling processes including the use of a solid work treating agent.
255+—for grain hulling apparatus employing a solid work treating agent combined with fluid applying means.

in subclass 241, under "Search this class, subclass", add in numerical order:

221.5+—for grain hulling processes.

establish the following subclass definitions:

250. Apparatus under the class definition for removing material (either naturally occurring skins or husks or adhering impurities) from the surface of grain or grain parts by a scouring, abrading, or impact action by an abrading surface or other type surface.

(1) Note.—The term "grain" is interpreted to include those small seeds to which the term is ordinarily applied, e. g., wheat, corn, oats, barley, coffee beans, cottonseed, etc. and to exclude larger vegetables such as potatoes, beets, etc. the treatment of which is provided for in other appropriate subclasses of this class or other classes.

(2) Note.—The above limitation to action by "an abrading surface or other type surface" is intended to exclude from this group mere tumbling devices (i. e., rotary drums or other moving receptacles which present no abrasive or other material removing surface to the grain) for effecting mutual abrasion only between the grains for hulling or cleaning, such devices being classified in the appropriate subclasses of classes 51, 259 or other appropriate classes in accordance with the line between those classes. However, receptacles, whether moving or stationary, when provided with relatively movable grain contacting members which move the grain in the receptacle for the disclosed purpose of removing the husk or adhering impurities (see (3) Note), are provided for in this class even though the action on the grain is limited to mere mutual abrasion. Combinations, which include both mere mutual abrasion by tumbling in a moving receptacle and the use of an abrading or other material removing surface, are provided for in this and the indented subclasses.

(3) Note.—Most of the devices classified in this or the indented subclasses are for the disclosed purpose of removing husks, skins, or other naturally occurring integuments from grains. However, because of the similarity of their structure to hullers some devices disclosed as mere cleaners (to remove adhering impurities) are included when the cleaner is of such a nature as to subject the grain to an appreciable rubbing, abrasion or impact action by a solid work treating surface or agent. Devices disclosed as mere cleaners and not involving appreciable abrasion or impact action will be found in the generic cleaning class 134, CLEANING AND LIQUID CONTACT WITH SOLIDS, or some other cleaning class according to the notes appended to the main class definition of class 134.

Search this class, subclass—
8+—for power operated devices for removing husks and shells from nuts.
32—for devices for removing skins from nuts.
49+—for abrader type vegetable peelers in general.
221.5+—for corresponding grain hulling processes.

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 3.10+, for grain cleaners employing the instrumentalities provided for in that class, e. g., brushes and wipers. See subclass 299 of this class (146) for hullers employing brushes or wipers.
51—ABRADING, see (2) Note above.
134—CLEANING AND LIQUID CONTACT WITH SOLIDS, see (3) Note above.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, for grain comminuting devices having structure similar to the devices classified herein and for combinations of grain hullers of the type classified here, with comminutors (see subclasses 7 and 101 of that class). Since most of the hullers classified here inherently divide the husk or adhering impurities into a number of pieces in the process of removal from the grain, only such devices disclosed as effecting the division of the grain body (endosperm) into a plurality of parts should be considered comminutors or comminutor-huller combinations for class 241.
259—AGITATING, see (2) Note above.

251. Apparatus under subclass 250 provided with means to sense a condition, which means causes the operation of a control device.

(1) Note.—Hulling members, valve bodies and like members, which are contacted and moved directly by the material, are excluded and will be found classified in an appropriate subclass below.

Search this class, subclass—
282+—for non-automatic feed control devices.
297+—for yieldably mounted hulling members.

Search Class—
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 43+, and the notes thereto for automatic control of apparatus for applying gas to solids.
192—CLUTCHES AND POWER-STOP CONTROL, subclass 116.5+, for automatically controlled stop mechanisms of general application.
222—DISPENSING, subclass 52+ and the notes thereto for dispensers having automatic controls.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 33+, for automatically controlled comminutor organizations.

252. Apparatus under subclass 250 provided with means to feed loose abrasive material or articles into contact with the grain.

Search this class, subclass—
221.6—for corresponding processes.

Search Class—
51—ABRADING, subclasses 8+, 163+, 263+, and 282 for abrading processes and apparatus in general employing loose abrasives.
259—AGITATING, appropriate subclasses for mere agitators for abrasive and grain. See (2) Note in the definition of subclass 250.

253. Apparatus under subclass 250, provided with means to project the grain through space into contact with a hulling surface which does not form part of the projecting instrumentality.

(1) Note.—The projecting of the grain may be accomplished by gravity, centrifugal force, fluid current, or other means.

Search this class, subclass—
9—for centrifugal impact nut crackers.
225—for processes employing centrifugal force on vegetable material other than grain.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 5, 39+ and 275 for corresponding comminuting processes and apparatus.

254. Apparatus under subclass 250, provided with means which moves the individual grains to, or maintains the grains in, a desired position relative to a hulling member during at least a portion of the hulling operation.

Search this class, subclass—
224—for corresponding processes applied to vegetable material other than grain.

Search Class—
193—CONVEYORS, CHUTES, SKIDS, GUIDES AND WAYS, subclass 43, for gravity guides with orienting means.
198—CONVEYORS, POWER DRIVEN, subclass 33, for power driven conveyors having orienting means.
209—CLASSIFYING, SEPARATING AND ASSORTING SOLIDS, subclass 72+, for miscellaneous devices for delivering articles in the same relative position from a commingled mass.

255. Apparatus under subclass 250, combined with means for applying a fluid to the grain.

(1) Note.—The term "means" as used above is considered to include any apparatus, including the hulling elements themselves, for inducing the flow of a fluid current or any instrumentalities for controlling or directing the passage of fluid to or from contact with the grain.

(2) Note.—This subclass and those indented hereunder provide the generic place for applying a fluid to the grain in combination with hulling regardless of the nature of the fluid or the purpose of its application. Similar organizations having fluid application in combination with other types of treatment are classified in other classes on the basis of the treatment. Fluid applying devices, per se, will be found in the generic classes 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, or 134, CLEANING AND LIQUID CONTACT WITH SOLIDS, or in classes referred to in the notes to the main class definitions thereof.

Search this class, subclass—
221.7—for corresponding processes.
251—for hullers having automatically controlled fluid applying means.
253—for means to suspend grain in a fluid to project it against an independent surface.

Search Class—
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, see (2) Note above.
134—CLEANING AND LIQUID CONTACT WITH SOLIDS, see (2) Note above.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 38+, for corresponding comminutor combinations.

256. Apparatus under subclass 255, provided with means to apply a liquid to the grain.

Search this class, subclass—
50—for abrading type peelers for vegetables other than grain including liquid applying means.
221.8+—for corresponding processes.

Search Class—
134—CLEANING AND LIQUID CONTACT WITH SOLIDS, appropriate subclasses, and the notes thereto, for devices for applying liquids to solids in general.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 46, for comminutors having a liquid submerged comminuting zone.

257. Apparatus under subclass 255, provided with (1) means to conduct gas previously applied to the grain back into contact therewith and/or (2) means to conduct grain which has passed through the hulling zone back into the said zone.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 48, for comminutor combinations involving gas recirculating means, and subclass 52+ for comminutors combined with material recirculation.

258. Apparatus under subclass 255, in which material suspended in a gaseous current is conveyed thereby to and through a perforate surface which surface is in contact with the grain during the hulling treatment.

(1) Note.—The perforate surface may or may not be disclosed as participating in the hulling operation.

Search this class, subclass—
272—for devices in which gas borne material is applied to a screen surface subsequent to treatment in the hulling zone.
275+—for devices in which grain is hulled while in contact with a perforate surface but involving no gas applying means.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 49+, for similar comminutor combinations.

259. Apparatus under subclass 258, in which the grain is treated in a plurality of distinct hulling zones.

Search this class, subclass—
266+, 271, 287+—for other plural hulling zone combinations not involving applying gas borne material to a perforate hulling enclosure.

260. Apparatus under subclass 259, in which gas borne material is applied to a perforate hulling enclosure in each of a plurality of hulling zones.

261. Apparatus under subclass 258, in which gas borne material is applied to a perforate hulling enclosure and provided, in addition, with means to apply gas to the grain at some other point in the apparatus.

262. Apparatus under subclass 261, including means to apply gas to the grain both prior and subsequent to the hulling treatment.

263. Apparatus under subclass 258, in which (1) a hulling element operates to move gas into contact with the grain or (2) a hulling element has a gas moving means attached directly thereto or (3) any combination of (1) and (2).

Search this class, subclass—
273—for identical devices but which do not involve applying gas borne material to a perforate hulling enclosure.

264. Apparatus under subclass 258 in which gas passes through a rotary perforated or sectional inner hulling member which is surrounded by an annular cooperating hulling surface.

(1) Note.—The gas may pass through the inner member in a radially outward direction to carry the material through an outer perforate surface or may pass radially inward of the rotary inner member to carry the material therethrough.

265. Apparatus under subclass 258 provided with a rotary gas moving means which is coaxial with a rotary hulling member.

Search this class, subclass—
263 and **273**—for unitary rotary hulling members and gas moving means.
274—for identical devices not involving a perforate hulling enclosure.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 50 and 56, for similar comminutor combinations.

266. Apparatus under subclass 255 provided with means to apply gas to the grain between or within a plurality of hulling zones.

Search this class, subclass—
259+—for identical devices, but in which the gas borne material is applied to a perforate hulling enclosure.
271—for devices provided with means to apply gas subsequent to all of a plurality of hulling zones.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 42 and 43+, for similar comminutor combinations.

267. Apparatus under subclass 266 with means to apply gas between or within plural hulling zones and provided, in addition, with means to apply gas at some other point in the apparatus.

Search this class, subclass—
261+, **268** and **270**—for other plural gas applying combinations.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 42, for similar comminutor combinations.

268. Apparatus under subclass 255 in which gas is applied to the grain at a point prior to its passage to the hulling zone.

(1) Note.—This subclass includes devices in which the gas is applied prior to hulling and, in addition, at one or more other points in the apparatus.

Search this class, subclass—
261+ and **267**—to complete the search. In the subclasses referred to, in addition to the other features there provided for, gas is applied at a plurality of points in the apparatus, one of which may be prior to hulling.
266+—to complete the search. These subclasses include devices in which gas is applied between plural hulling zones, i. e., prior to the second zone.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 62, for similar comminuting combinations.

269. Apparatus under subclass 255 in which gas is applied to the grain subsequent to the hulling operation or operations.

Search this class, subclass—
261+, **267** and **268**—to complete the search. In these subclasses the grain is subjected to gas treatment at a plurality of points in the apparatus, including a point subsequent to hulling.
266+—to complete the search. In subclass 266+, the grain is given further hulling treatment, i. e., the gas is applied between plural zones.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 60+, for identical comminutor combinations.

270. Apparatus under subclass 269 provided with means for applying gas to the grain at a plurality of spaced points in the apparatus, at least one of which is subsequent to the hulling operation.

Search this class, subclass—
261+, **267** and **268**—for other plural gas applying combinations.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 41+, for corresponding comminuator combinations.

271. Apparatus under subclass 269 in which the grain is treated in a plurality of hulling zones.

Search this class, subclass—
266+—for means for applying gas between or within plural zones, particularly 267 for devices having the characteristics of this subclass (271) but also provided with means to apply gas between or within plural zones.
287+—for plural hulling devices not involving gas applying.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 43+, and the notes thereto, for similar comminuting combinations.

272. Apparatus under subclass 269 in which there is provided a screen separator by which the grain is treated subsequent to the hulling operation.

Search this class, subclass—
258+—for hulling combinations with screens in which the gas carries the material against a screen hulling surface.
280+—for hullers combined with screens but having no gas applying means.

Search Class—
209—CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS, subclass 21+, for separators per se embodying both screening and gas applying.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 49+, for similar comminutor combinations.

273. Apparatus under subclass 255 in which (1) a hulling element operates to move gas into contact with the grain and/or (2) a hulling element has a gas moving means attached directly thereto.

Search this class, subclass—
263—for identical combinations but in which the gas borne material is applied to a perforate hulling surface.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 55, for similar comminutor combinations.

274. Apparatus under subclass 255 provided with a rotary gas moving means which is coaxial with a rotary hulling member.

Search this class, subclass—
263 and **273**—for unitary rotary hulling members and gas moving means.
265—for identical devices in which gas borne material is applied to a perforate hulling surface.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 56, for similar comminutor combinations.

275. Apparatus under subclass 250 in which a surface contacted by the grain during the hulling operation is provided with openings through which passes at least part of the material removed from the grain.

(1) Note.—The perforate surface may or may not be disclosed as participating in the hulling treatment.

Search this class, subclass—
80, 89+, 93, 172+, 177+, 185 and **186+**—for other vegetable and meat cutters and comminutors having perforate material contacting members.
258+—for such devices combined with means to apply gas borne material to the perforate surface.
280+—for hulling devices provided with screens which are not contacted by the material during the hulling operation.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 69+ and 83+, for similar comminutor combinations.

276. Apparatus under subclass 275 provided with a perforate hulling surface which moves during the hulling operation.

Search this class, subclass—
89+, 90, 177, 178—for other moving perforate vegetable and meat cutters and comminutors.
292+—for rotary non-perforate hulling members.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 85, 87, 91+ and 94 for comminutors having moving perforate comminuting surfaces.

277. Apparatus under subclass 275 in which a hulling surface in the form of a drum is provided with perforate and non-perforate portions which extend axially of the drum.

Search this class, subclass—
278—for hullers having drum-type perforate surfaces provided with non-smooth surface characteristics (other than longitudinally extending non-perforate portions).
279—for drum-type hulling surfaces having perforations which extend around the entire circumference thereof.
300+—for drum type hullers in which the drum is non-perforate.

278. Apparatus under subclass 275 in which the perforate hulling surface is provided with non-smooth surface characteristics which enhance the hulling action.

Search this class, subclass—
254—for non-smooth hulling surfaces comprising means to orient the grain.
277—for drums having longitudinal non-perforate portions provided with non-smooth characteristics.
301 and **303**—for cooperating hulling surfaces having intermeshing non-smooth surface characteristics.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 88, for perforate comminutor surfaces having non-smooth characteristics and subclasses 242+ and 260+ for non-perforate surfaces having such characteristics.

279. Apparatus under subclass 275 in which the perforate surface is of cylindrical or conical drum shape and cooperates with an inner rotary hulling member.

Search this class, subclass—
276—for identical devices, but in which the perforate drum rotates.
277—for identical devices in which the drum is provided with longitudinal non-perforate portions.
300+—and the notes thereto for drum-type hullers having non-perforate walls.

280. Apparatus under subclass 250 provided with means to separate the grain or grain parts from each other or from other material according to their physical characteristics.

Search this class, subclass—
76—for other vegetable comminutors combined with separators.
255+—for such combinations involving the use of a fluid, particularly subclass 272 for screen combinations.
275+—for organizations including a screen hulling surface or enclosure.

Search Class—
209—CLASSIFYING, SEPARATING AND ASSORTING SOLIDS, for processes and apparatus for separating solid material into grades.
210—LIQUID SEPARATION OR PURIFICATION, for processes and apparatus for separating liquids from solids.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 68+, for comminutors combined with separators.

281. Apparatus under subclass 280 in which the separating means comprises (1) an annular screen which encompasses the hulling zone and/or (2) a screen which is integral with a hulling member (e. g., forms an extension thereof).

(1) Note.—In this subclass, the hulling zone must be one in which the grain does not contact the screen during the hulling operation, i. e., the separation is carried out prior to or subsequent to hulling. When the separation and the hulling are substantially coincident by a screen which is contacted by the material during hulling, proper classification is in subclass 275+, whether the screen acts as a hulling member or not.

Search this class, subclass—
275+—see (1) Note above.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 74, for comminutors in a similar combination.

282. Apparatus under subclass 250 provided with mechanism (1) for presenting grain to the hulling zone and/or removing it therefrom or (2) for controlling the flow to and/or from the hulling zone.

(1) Note.—The term "mechanism" is intended to denote means in addition to gravity for positively effecting the feed and/or discharge.
(2) Note.—The feeding and/or discharge must be an operation other than the mere hulling movement of the hulling members.

Search this class, subclass—
252—for means to feed loose abradant to the hulling zone.
253—for means to project grain into contact with a hulling surface.
256+—for feeding or discharging means involving the use of a fluid.
280+—for feeding or discharging means comprising a separator.

Search Class—
222—DISPENSING, appropriate subclasses, for feeders in general.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, appropriate feeding and discharging subclasses for similar devices in similar combinations.

283. Apparatus under subclass 282 provided with a feed or discharge means which is vibrated or operated intermittently by non-rigid means interconnected with the drive means of a moving hulling member.

Search Class—
222—DISPENSING, subclasses 196+, for vibrating dispensers.

284. Apparatus under subclass 282 in which a moving hulling member is provided with a feed or discharge means integral or coaxial therewith.

Search this class, subclass—
263, 265, 273, 274—for hulling members having attached or coaxial gas moving means.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 246+, for comminutors having a similar arrangement.

285. Apparatus under subclass 282 in which the hulling device is provided with a valve controlling the flow of grain from the hulling zone.

286. Apparatus under subclass 250 in which the hulling means is combined with apparatus for other purposes and not provided for above.

(1) Note.—The combined features are in addition to the necessary drive and mounting means for the huller (which are classified below with the particular huller involved) and additional hulling devices (subclass 287+).
(2) Note.—In this subclass, for example, are combinations with heating means for the material, indicators of condition or position, and corn shellers.
(3) Note.—All the preceding subclasses should be investigated for particular combinations within this definition but which are specifically provided for above.
(4) Note.—See the notes to subclass 250 and the main class definition for combinations of hullers with other apparatus classified in other classes.

287. Apparatus under subclass 250 in which grain is treated in a plurality of hulling zones.

(1) Note.—Where the hulling zones are so closely related that there is difficulty in determining whether or not a plurality of zones is involved, the line followed is that if there is a substantial cessation of the hulling action between separate zones, the patent is classified as a plural device herein.

Search this class, subclass—
77 to **80, 183**—for plural zone vegetable and meat cutters and comminutors.
257 and **286**—for means to recirculate grain to the same hulling zone.
259+, 266+, 271—to complete the search. These subclasses provide for plural hulling zones provided with gas applying means.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 134+ and 152+, for plural comminutors.

288. Apparatus under subclass 287 in which each hulling zone is provided with a rotary hulling member, at least two of which members in separate zones are coaxial with each other or are unitary.

Search this class, subclass—
292+—for hulling devices having rotary hulling members.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 144 and 162+, for plural comminutors having similar structure.

289. Apparatus under subclass 288 in which the grain passes circumferentially or tangentially of the rotary hulling member or members during hulling.

Search this class, subclass—
293—for other non-plural hullers in which the material has a similar flow path.

Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 240, for comminutors in which a plurality of independently mounted stationary members cooperate with a single rotary member.

290. Apparatus under subclass 288 in which the grain flows axially of a cylindrical or conical hulling drum which is positioned to form a plurality of hulling zones.

Search this class, subclass—
295 and **300+**—for drum-type hullers in which no partitions are provided.

291. Apparatus under subclass 250 in which at least one of the hulling members comprises an endless belt.

Search Class—
51—ABRADING, subclass 135+, and the notes thereto for endless belt type abraders.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 200, and the notes thereto for endless belt type comminutors.

292. Apparatus under subclass 250 in which the grain is hulled, moved, supported or otherwise handled during the hulling operation by a member or surface having simple rotary motion.

Search this class, subclass—
11, 61, 106+—for other rotary vegetable cutters and comminutors.
253—for rotary surfaces which project grain against an independent surface to effect the hulling.
265, 273—for rotary hulling members provided with coaxial rotary gas moving means.
288+—for coaxial rotary members operating in a plurality of hulling zones.

Search Class—
51—ABRADING, subclass 71+, and the notes thereto for rotary abrading machines.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 220+ and 277+, for rotary comminutors.

293. Apparatus under subclass 292 in which the grain passes circumferentially or tangentially of the rotary surface or member during the hulling operation.
Search this class, subclass—
289—for plural devices of this character.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 221+, for comminutors of this type.

294. Apparatus under subclass 292 in which the rotary hulling member operates in conjunction with an independently mounted grain handling, supporting, or hulling member.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 220+, for rotary cooperating surface type comminutors.

295. Apparatus under subclass 294 provided with a rotary cylindrical or conical drum which cooperates with an independently mounted inner member to effect the hulling treatment.
Search this class, subclass—
276—for identical devices in which the drum is perforate.
290—for similar devices in which the drum is partitioned to form a plurality of hulling zones.
300+—for similar organizations in which the drum member is stationary.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 187, and 251+, for similar comminutor combinations.
248—SUPPORTS, subclasses 130 and 131, for rotary receptacle supports.
259—AGITATING, subclass 82+, for rotating agitating receptacles having an independent stirrer.

296. Apparatus under subclass 294 provided with a plurality of rotary members which cooperate to perform the hulling treatment.
Search this class, subclass—
276—for such devices in which a rotary perforate surface cooperates with a rotary hulling member.
295—for such devices in which one of the rotary members is a conical or cylindrical drum.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 251+, and the notes thereto, for comminutors having plural cooperating rotary surfaces.

297. Apparatus under subclass 294 in which a grain hulling member is adjustable in position or is yieldably mounted.
Search this class, subclass—
299—and the notes thereto for hulling members having deformable surfaces rather than yieldable as a whole.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 256 and 259, and the notes thereto for comminutors having similar characteristics.

298. Apparatus under subclass 297 in which the stationary grain hulling member is adjustable in position or yieldably mounted.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 255 and 257, for comminutors having similar characteristics.

299. Apparatus under subclass 294 in which at least one of the grain hulling surfaces is resilient or is constructed in sections so that parts thereof are deformable relative to other parts of the surface by contact with the grain during normal operation of the device.
Search this class, subclass—
285—for biased discharge valves.
Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, appropriate subclasses, for machines and implements embodying brushes, wipers, etc., having deformable surface characteristics.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 102, for comminutors having the characteristics of this subclass.

300. Apparatus under subclass 294, in which the nonrotary independent grain handling, supporting or treating means is a stationary cylindrical or conical drum which surrounds a rotary inner hulling member.
Search this class, subclass—
277 and **279**—for identical devices in which the drum is perforated.
290—for similar devices in which the drum has partitions.
295—for similar organizations in which the cylindrical or conical drum rotates.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 257+, and the notes thereto, for corresponding comminutors.

301. Apparatus under subclass 300 in which the drum and the rotary inner member are provided with surface projections which overlap each other.
Search this class, subclass—
303—for similar characteristics in other rotary hulling organizations.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 261, and the notes thereto, for comminutors having intermeshing surface characteristics.

302. Apparatus under subclass 300 in which the inner member rotates on a horizontal axis.
Search this class, subclass—
106 to **123**, **174** and **182+**—for other vegetable cutters and comminutors rotating on a horizontal axis.
279—for identical devices having a perforate drum.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 255+, and the notes thereto, for comminutors having a similar arrangement.

303. Apparatus under subclass 294, in which cooperating relatively rotatable hulling elements are each provided with projections which intermesh with (i. e., overlap) those of the other elements.
Search this class, subclass—
301—for such surface characteristics on stationary drums cooperating with inner rotary hulling members.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 261 and the notes thereto, for similar comminutors having the characteristics of this subclass.

304. Apparatus under subclass 250 provided with a hulling member having a reciprocating motion.
(1) Note.—"Reciprocation" is deemed to include any to and fro motion along the same path and thus includes oscillation.
Search this class, subclass—
58, 62, 63, 69, 140 to **161, 178**—for other vegetable cutters and comminutors having reciprocating elements.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 262+ and 283, and the notes thereto, for comminutors having reciprocating elements.

305. Apparatus under subclass 250 comprising single hulling elements not provided for above.
(1) Note.—Supporting means for the element in combination therewith has been included in this subclass and those indented hereunder, except where such means locates the element relative to the frame of the machine or a cooperating hulling element.
(2) Note.—Where a plurality of cooperating hulling elements or the driving means for the single element are significantly included in the claims, the device is considered to be a hulling organization for one of the subclasses above.
Search this class, subclass—
254—for hulling elements embodying grain orienting means.
263, 273—for hulling elements having attached fluid-impelling means.
275+—for perforate hulling elements.
284—for hulling elements having attached grain feeding means.
301, 303—for rotary hulling element scourers having intermeshing surface characteristics.
Search Class—
51—ABRADING, subclasses 185+ and 204+, for abrading elements in general.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 291+, and the notes thereto for similar comminuting elements.

306. Hulling elements under subclass 305 in which the element is provided with a hulling surface, which lies in a radial plane substantially perpendicular to the axis of rotation.
Search this class, subclass—
303—for a plurality of such elements having intermeshing surface characteristics.

Search Class—
51—ABRADING, subclasses 195+ and 209+, for abrading tools in general having these characteristics.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 296+, for comminuting elements of similar structure.

307. Hulling elements under subclass 305 which present an annular, or partly annular, internal hulling face to the material.
Search this class, subclass—
279—and the notes thereto for such elements provided with perforations.
290—for such elements provided with partitions.
301—for such elements having surface characteristics which intermesh with those on a rotary hulling member.
Search Class—
51—ABRADING, subclass 164, for drum type abrading elements in general.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 299, for corresponding comminuting elements.

308. Hulling elements under subclass 305 provided with hulling surfaces formed in a plurality of sections or embodying separable surface elements.
Search Class—
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 294+ and 298 for comminuting elements having like characteristics.

152, Resilient Tires and Wheels (Division 45)

in the main class definition, (8) Note, in the second sentence cancel "and", second occurrence, and after "9" insert: *and class 254, subclass 50.1+.*

154, Laminated Fabric and Analogous Manufactures (Divisions 20, 55)

in subclass 9, under "(2) Search Class" add in numerical order:
81—TOOLS, subclass 15.2+ and the notes thereto, for tire repair tools.
254—PUSHING AND PULLING IMPLEMENTS, subclass 50.1+ for tire bead spreaders.

155, Chairs and Seats (Division 8)

in subclass 153, under "(3) Search Classes" in the reference to class 5, Beds, change "the latter subclass" to *subclasses 70 and 71.*

159, Concentrating Evaporators (Division 46)

in subclass 11, under "Search Classes" cancel the reference to class 83, Mills, and substitute:
18—PLASTICS, subclass 1, for apparatus for making flakes in which a film is spread on a surface, e. g., drum, and the film broken off as flakes.

164, Cutting and Punching Sheets and Bars (Division 57)

in subclass 10.6, under "Search Classes" cancel the reference to class 83, Mills, and add in numerical order:
18—PLASTICS, subclasses 2.4+ and 47.2 for comminuting and solidifying molten material.

167, Medicines, Poisons and Cosmetics (Divisions 43, 63)

establish the following subclass definition:
51.5. Compositions under subclass 50 which contain a sulfa compound, that is, a compound containing the grouping para-nitrogen-benzene-sulfoxy—X(X=C or N) e. g., sulfanilamide, sulfathiazole and sulfapyridine.
Search Class—
260—CHEMISTRY, CARBON COMPOUNDS, appropriate subclasses, for sulfa compounds per se, particularly subclasses 239.6, and 397.6+.

in subclass 58, number the existing note (*1*), and add the following:
(2) Note.—See subclass 51.5 for topical medicines containing a sulfa compound.

in subclass 65, add the following:
(3) Note.—See subclass 51.5 for medicinal compositions containing a sulfa compound.

in subclass 74, insert the following note:
(1.5) Note.—This and the indented subclasses do not contain vitamin extracts per se, for which see subclass 81.

establish the following subclass definitions:
74.5. Extracts under subclass 74 derived from urine.
Search Class—
260—CHEMISTRY, CARBON COMPOUNDS, subclasses 239.6 and 397, 397.3, 397.4 and 397.5 for cyclopentanohydrophenanthrene compounds per se, e. g., androsterone, estrone, estradiol and testosterone.

74.6. Extracts under subclass 74 derived from liver or kidney.
Search this class, subclass—
81—for vitamin extracts produced from fish livers.
Search Class—
260—CHEMISTRY, CARBON COMPOUNDS, subclass 412.1 for oil extraction from fish livers in general.

178, Telegraphy (Divisions 16, 65)

in subclass 5, under "Search Classes" add in numerical order:
250—RADIANT ENERGY, subclass 1.50+ for reflected or otherwise returned radio wave (radar) systems, note especially subclass 1.74 for such systems, which include means to produce an image at the receiving station of an object remote from the station, the object being scanned by the transmitted radio wave.

195, Chemistry, Fermentation (Division 63)

in subclass 101, in "(2) Note", cancel the reference to class 83, Mills, and add in numerical order:
99—FOODS AND BEVERAGES, subclass 80+.
146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, appropriate subclasses, particularly subclass 221.5+.

198, Conveyors, Power Driven (Division 4)

in subclass 129, insert the following:
(4) Note.—See class 146, VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 291, for endless belt type grain scourers.

in subclass 213, cancel notes (2) through (8) and substitute the following:
Search this class, subclass—
9, 104—for screws in combination with other forms of conveyors.
15—for screw conveyors used as locomotive stokers.
Search Class—
110—FURNACES, subclasses 44, 45, 110.
115—MARINE PROPULSION, subclass 34+, for screw propellers for boats.
134—CLEANING AND LIQUID CONTACT WITH SOLIDS, subclasses 65 and 132.
170—MOTORS, FLUID CURRENT, subclass 156+, for fluid-impeller screws.
210—LIQUID SEPARATION OR PURIFICATION, subclass 30, for screws in filters.
222—DISPENSING, appropriate subclasses, particularly subclasses 240, 241, 372+, 412+.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 246+, 276, 284, for screw type comminutors.
259—AGITATING, appropriate subclasses, for screw type agitators.
302—CONVEYORS, FLUID CURRENT, subclass 50, for screw feeds for pneumatic conveyors.

209, Classifying, Separating, and Assorting Solids (Division 25)

in the main class definition, add the following:
(14) Note.—See class 146, VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 222, 255+, 275+, 280+ and 76 for processes and apparatus of the type there provided for, combined with separating steps or means. See the main class definition of that class (146) for the line.

in subclass 11, under "(2) Search Classes", cancel the reference to class 83, Mills, and substitute:
99—FOODS AND BEVERAGES, appropriate subclasses.

in subclass 21, under "Search Class" add in numerical order:
146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 272, and the notes thereto.

in subclass 132, under "(3) Search Classes" add in numerical order:
146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 221.7+, 227+, 255+ and 76 for processes and apparatus of the type there provided for combined with fluid suspension separators.

in subclass 148, cancel (2) Search Class, and the reference thereunder, and substitute:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 225, 9, and 253 for processes and apparatus of the type there provided for employing centrifugal force.

222—DISPENSING, subclass 410, and the notes thereto, for centrifugal force feeders, per se.

241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 39+ and 275 for comminutors including centrifugal force feeders.

in subclass 173, under "Search Class", cancel the reference to class 83, Mills, and substitute:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 222, 256 and 76 for vegetable and meat cutters and comminutors and allied processes in gravity liquid separation.

241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclasses 38+, particularly subclass 46, for comminutors combined with such separators.

in subclass 233, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 258+, 272, 275+, for grain scourers embodying sifters.

in subclass 238, cancel "(2) Search Class", and the reference thereunder.

in subclass 283, under "(2) Search Classes", cancel the references to class 83, Mills, and class 146, Vegetable and Meat Cutters and Comminutors, and add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 275+, and the notes thereto, and subclass 174.

in subclass 284, under "(2) Search Classes", cancel the reference to class 83, Mills, and add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 282+.

in subclass 288, under "Search Classes", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 276.

241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 91+.

in subclass 296, under "Search Class", cancel the reference to class 83, Mills, and substitute:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 276.

in subclass 299, under "Search Classes", cancel the reference to class 83, Mills, and add:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 276.

in subclass 300, under "(3) Search Classes", cancel the reference to class 83, Mills, and substitute:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 279.

in subclass 303, under "Search Class", cancel the reference to class 83, Mills, and substitute:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 276.

in subclass 304, cancel "Search Class", and the reference thereunder.

in subclass 305, under "Search Class", cancel the reference to class 83, Mills, and substitute:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 279.

in subclass 306, cancel "(2) Search Class", and the reference thereunder.

in subclass 307, under "(2) Search Classes", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 291.

220, Metallic Receptacles (Division 40)

in subclass 51, after "as" insert: *, or is carried by,*; and add the following:

(2) Note.—The inclusion of a handle to manipulate the punctured can does not prevent classification in this subclass.

222, Dispensing (Division 35)

in the main class definition, section 8, under "Search Class" add in numerical order:

265—FORCE MEASURING. See the reference to class 249, AUTOMATIC WEIGHERS, above.

and in section 24, add in numerical order:

265—FORCE MEASURING, section 8; the line with class 222 being stated in the main class definition of class 265.

in subclass 77, under "Search this class, subclass", add:

58—for automatic control by weight of the material in the supply container.

and under "Search Class" in the reference to class 265, Force Measuring, add: *See the main class definition of class 265 for the line.*

in subclass 80, under "Search Class", in the reference to class 220, Metallic Receptacles, after "as" insert: *, or is carried by,*.

241, Solid Material Comminution or Disintegration (Division 25)

in the main class definition, section 10, under "Search Class", cancel the reference to class 83, Mills, and class 146, Vegetable and Meat Cutters and Comminutors, and add in numerical order:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 3.10+, for apparatus for cleaning grain, employing means of the type there provided for.

47—PLANT HUSBANDRY, subclass 58, for processes of treating seed in preparation for planting.

51—ABRADING, subclass 163+, for apparatus for removing husks from grain by tumbling.

91—COATING, appropriate subclasses, for apparatus for coating grain.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, appropriate subclasses, for apparatus for cleaning and/or applying liquid to grain not provided for elsewhere.

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, appropriate subclasses, particularly subclasses 221.5+ and 250+ for processes and apparatus dealing with the husking or peeling of grain, and see the notes to these subclasses for a more complete statement of the line with this class (241). Also see subclass 71.5 for grain slicers.

259—AGITATING, appropriate subclasses, for apparatus for merely mixing liquids or solids with grain by agitation.

in section 12, under "Search Class", in the reference to class 15, Brushing, Scrubbing and General Cleaning, cancel the first sentence and substitute:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, section 10. For the cleaning, per se, of comminuting members, see the appropriate subclasses of that class, particularly subclass 256.5.

also add in numerical order:

47—PLANT HUSBANDRY, section 10.

in the reference to class 51, cancel "Sec. 4." and substitute: *sections 4, 10.*;

cancel the reference to class 83, Mills;

in the reference to class 91, Coating, cancel "Sec. 4." and substitute: *Sections 4, 10.*;

in the reference to class 134, Cleaning and Liquid Contact with Solids, cancel the first sentence and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, section 10. This is the generic class for cleaning and/or applying liquids to solids.

in the reference to class 259, Agitating, cancel "Sec. 3." and substitute: *Secs. 3, 10.*;

in subclass 5, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, appropriate subclasses, particularly subclasses 225 and 253 for processes and apparatus employing kinetic energy for the purposes of that class.

in subclass 6, under "Search Class", cancel the reference to class 83, Mills, and in the reference to class 146, Vegetable and Meat Cutters and Comminutors, cancel "subclass 71.5," and substitute: *subclasses 221.5+, and 71.5.*;

in subclass 7, (1) Note, after "comminution," insert: *of the inner body of the grain.*;

and under "Search Class", cancel the references to classes 83, Mills, and 146, Vegetable and Meat Cutters and Comminutors, and add:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, appropriate subclasses, for processes of removing grain husks, per se, particularly subclass 221.5+. Grain comminuting processes including hulling steps involving a chemical reaction in the grain or part thereof are classifiable in class 146.

in subclass 8, under "Search Class", cancel the references to classes 83 and 146 and add:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 221.7 and 227+, for corresponding grain processes but involving operations provided for in that class.

in subclass 14, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 221.5+, for processes of hulling grain in which the hull is comminuted in the removal operation.

in subclass 15, under "Search Class", in the reference to class 146, Vegetable and Meat Cutters and Comminutors, after "subclasses" insert: *221.5+ and*;

in subclass 22, under "Search Class" add in numerical order:

51—ABRADING, subclass 282, for abrading processes involving the addition of a loose abrasive to the material.

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 221.6, for grain hulling processes involving the addition of a particulate solid.

in subclass 24, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 222, for processes of the type there provided for including separation.

in subclass 33, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 251, for automatic controls for grain hullers.

in subclass 38, under "Search Class", in the reference to class 146, Vegetable and Meat Cutters and Comminutors, add at the end: *See particularly subclasses 76 and 255+.*;

in subclass 39, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 253, for corresponding grain hullers.

in subclass 42, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 266+, for corresponding grain hulling combinations.

in subclass 43, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 259+, 266, 271, for corresponding grain hulling combinations.

in subclass 46, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 256, for corresponding grain hulling combinations.

in subclass 48, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 257, for corresponding grain hulling combinations.

in subclass 49, under "Search Class" add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 258+ and 272, for corresponding grain hulling combinations.

in subclass 51, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 258+, for corresponding grain hulling combinations.

in subclass 52, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 257, for corresponding grain hulling combinations.

in subclass 55, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 263 and 273, for corresponding grain hulling combinations.

in subclass 56, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 265 and 274, for corresponding grain hulling combinations.

in subclass 60, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 269+, for corresponding grain hulling combinations.

in subclass 61, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 257, for corresponding grain hulling combinations.

in subclass 62, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 268, and the notes thereto, for corresponding grain hulling combinations.

in subclass 68, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 280+, for corresponding grain hulling combinations.

in subclass 74, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 281, for corresponding grain hulling combinations.

in subclass 83, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 89+, 93, 177 and 275+, for similar devices functioning for the purposes of that class.

in subclass 85, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 276, for corresponding grain hulling combinations.

in subclass 86, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 279, for similar grain hullers.

in subclass 88, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 278, for similar grain hullers.

in subclass 90, under "Search Class", in the reference to class 146, after "186+," insert *279*,

in subclass 91, under "Search Class", in the reference to class 146, after "177" insert *276*,

in subclass 94, under "Search Class", in the reference to class 146, after "178," insert *276*,

in subclass 95, under "Search Class", in the reference to class 146, after "179," insert *275+*,

in subclass 102, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 299, for grain hullers having similar characteristics.

in subclass 134, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 287+, for plural grain hulling combinations.

in subclass 152, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 287+, for plural grain hulling combinations.

in subclass 170, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 252, for grain hullers employing loose abrading material.

in subclass 185, under "Search Class", cancel the reference to class 83, Mills, and in the reference to class 146, before "for" insert *294+,*; also add in numerical order:

18—PLASTICS, subclass 2.6, for apparatus for comminuting and solidifying a liquid utilizing a rotary projection means.

in subclass 187, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 295, for similar grain hullers.

in subclass 189, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 293, for similar grain hullers.

in subclass 191, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 305 and 308, for similar grain hulling elements.

in subclass 198, under "Search Class", cancel the reference to class 83, Mills;

in subclass 200, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 291, for endless belt type grain hullers.

in subclass 201, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 250, for compound movement grain hullers.

in subclass 221, under "Search Class", in the reference to class 146, Vegetable and Meat Cutters and Comminutors, cancel "subclass 11." and substitute: *subclasses 11, 117+, and 293.*

in subclass 244, under "Search Class", cancel the reference to class 83, Mills, and in the reference to class 146, before the period insert:

", particularly subclass 294+ for similar grain scourers and 108+ for comminutors."

in subclass 251, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 295, for similar grain hullers.

in subclass 261, add:

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 301 and 303, for grain scourers having similar characteristics.

in subclass 262, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 304, for similar grain hullers.

in subclass 275, under "Search Class", in the reference to class 146, before the period, insert:

", and subclass 253 for similar grain hullers."

in subclass 276, under "Search Class", cancel the reference to class 83, Mills;

in subclass 277, under "Search Class", in the reference to class 146, after "177," insert: *292,*

in subclass 291, under "Search Class", add in numerical order:

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 305+, for grain hulling elements.

in subclass 294, add:,

Search Class—

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclass 308, for similar grain hulling elements.

in subclass 296, under "Search Class", cancel the reference to class 83, Mills, and in the reference to class 146, after "106+," insert: *and 306,*.

250, Radiant Energy (Divisions 10, 51, 54)

establish the following subclass definitions:

1.50. Subject matter under the class definition having any one or any combination of:

(1) Radiant energy means restricted to the use of radiant energy that is transmitted and then reflected from some object, the reflected energy being received at a receiving station.

(2) Systems which involve transmitting radiant energy from a first station to an object which includes a receiver-transmitting station where it is utilized to control the transmission of energy to a receiver station, usually located at the first transmitting station.

(3) Systems and devices not otherwise classified for reflecting radio waves or absorbing radio waves or otherwise designated to prevent the use of the systems of paragraphs (1) and (2) or to make the results of the use of the systems of paragraphs (1) and (2) ineffective or inaccurate. The means and systems of paragraphs (1) and (2) are for the purpose of detection of the object from the transmitter, and/or the speed of the object, and/or the direction of the object, and/or to produce an image of the object, and/or to identify the object, and/or to utilize the reflected or returned energy to control some apparatus, such as a motor, steering apparatus, igniting or exploding means, searchlight, gun training, etc., other than a mere indicating or measuring apparatus, in which the structure of such controlled devices is not so specifically claimed as to involve a search in the class containing such devices, and/or for similar purposes.

(1) Note.—The systems and apparatus in this and the indented subclass usually involve radiated electromagnetic wave energy. For the classes and subclasses which provide for somewhat similar systems using ultra-violet, infra-red, X-rays, or visible light, see the references to the classes and subclasses below.

(2) Note.—The purposes set forth in the definition of subclass 1.50 are defined to include:

"Determining the distance of an object" includes determining the distance of the object from the transmitter, or from the receiver, or from any other reference point.

"Detection of an object" includes merely determining that an object is present, or in determining any other characteristic of the object, such as one or more dimensions of the object, etc.

"Speed of the object" includes determining either its speed with reference to the transmitter or the receiver, or its speed with reference to any other reference point.

"Direction of the object" includes determining the direction of the object with respect to the transmitter, the receiver, or any other reference point or line.

"To produce an image of the object", the image need not be a facsimile of the object, but may only show one or a few characteristics of the shape of the object.

"To identify an object" includes systems of the returned wave type where the signal from the first station causes the transmitter at the receiver-transmitter to transmit a signal of different characteristics, such as of different code characteristics, so that the operator at the receiver station can identify the receiver-transmitting station by the signal transmitted by it.

"To control some apparatus" includes utilizing the reflected or returned wave to control the position or orientation of the transmitting or receiving antenna.

(3) Note.—The systems in this and the indented subclasses include "radar" systems.

Search this class, subclass—

2—for miscellaneous wireless transmission systems for controlling motors, steering mechanisms, igniting or exploding means, switches, signals, etc.

11—for wireless systems for sending or receiving signals in predetermined or desired directions, or "orienting", also aerials or antennae provided with reflectors, lenses or polarizers. The systems in subclass 11 include systems for determining the speed, direction and/or distance of another transmitting or receiving station.

15—for repeater stations for receiving signals from one station and automatically transmitting a signal which has the same characteristics to another station. Subclass 15 provides for such repeater stations where there is a time delay interposed between the received signal and the transmitted signal.

17—for radio transmitter stations other than repeater stations, which include means to control the operation of the station by means of a radio signal received from another station located at a distance from the transmitter station.

41.5—for image producers of the photo-cell light amplifying type, that is, photo-cells designed to receive an image of an object upon the photo-electric electrode and to produce an image upon a screen which is a part of the photo-cell.

42+—for miscellaneous methods and apparatus for the development, conversion, production, transmission and general utilization of invisible ray energy, other than radio waves and supersonic waves, including apparatus and methods for the production and utilization of X-rays, Röntgen rays, cathode rays, ultra-violet rays, infra-red rays, and the radiations or emanations of radioactive substances. Note especially subclass 71+ for fluorescent and phosphorescent applications and devices, including viewing devices, subclass 83+ for miscellaneous apparatus for the measurement and detection of invisible ray energy other than radio waves, and subclass 84+ for miscellaneous invisible ray generating devices and apparatus.

Search Class—

33—GEOMETRICAL INSTRUMENTS, for miscellaneous instruments and apparatus for determining the characteristics and mutual relation of points, lines, angles, surfaces and solids, considered as having no properties, but those arising from extensions and differences in situation, note especially subclass 46+ for such means in which a light ray is utilized to determine a straight line.

73—MEASURING AND TESTING, appropriate subclasses, for miscellaneous processes and apparatus for making a measurement of any kind or for making a test of any kind, see subclass 355 for devices for measuring the temperature of hot bodies by measuring the intensity of the heat radiated therefrom.

88—OPTICS, for apparatus for determining the characteristics of an object by means of visible light and devices in which the principle of operation depends upon diverting a light ray from a straight line or projecting an image in a straight line with the use of artificial light, see subclass 2.2+, for fiducial instruments including sextants, range finders and surveying instruments, and subclass 14+ for miscellaneous testing instruments. See subclass 1 for miscellaneous apparatus for determining the speed, distance or direction of an object which utilizes the light that is transmitted and then reflected from an object. See subclass 22.5 for optical pyrometers, that is, apparatus used for determining the temperature of bodies by measurement of the relative intensity of light radiation or by color or incandescence comparison. See subclass 23 for apparatus for measuring the intensity of light.

136—BATTERIES, subclass 4, for thermal batteries or thermal electric generators for detecting infra-red rays.

175—ELECTRICITY—GENERAL APPLICATIONS, subclass 182, for electrical ore detecting methods and apparatus. Some of the apparatus in subclass 182 are provided with means to establish an electromagnetic field or a radiant electromagnetic (radio) field in the area being investigated. Ore detectors which involve the use of reflected radio waves are in this or one of the indented subclasses in class 250. See subclass 183 for miscellaneous electrical testing apparatus and methods.

177—ELECTRIC SIGNALING, for apparatus and methods of detecting objects and/or determining their distance and/or direction which are provided with means to transmit and receive sonic or supersonic waves, the sonic or supersonic waves being either generated or received by electrical means. See subclass 352 for the miscellaneous apparatus and methods and subclass 386 for the apparatus and methods for use in a fluid (water). Note that class 181, ACOUSTICS, subclass 0.5, has similar apparatus.

178—TELEGRAPHY, subclass 5+, for facsimile (television) systems.

181—ACOUSTICS, for miscellaneous methods and apparatus which utilize sound waves, see especially subclass 0.5 for miscellaneous seismic wave systems which determine some characteristic of the earth and which involve a means for generating a sonic or supersonic sound, and subclass 26 for sound-locating devices. Note that class 177, ELECTRIC SIGNALING, subclasses 352 and 386, has systems similar to those in subclass 0.5 of this class (181).

219—ELECTRIC HEATING, subclass 34, for infra-red ray generating apparatus.

1.52. Subject matter under subclass 1.50 which has combined therewith a radiant energy transmission and/or reception system of a type different from the reflected or otherwise returned wave systems.

1.54. Subject matter under subclass 1.50 wherein the reflected or otherwise returned wave energy is used to control some apparatus, such as a motor, steering apparatus, igniting or exploding means, search light, gun training, etc., other than a mere indicating or measuring instrument.

(1) Note.—This subclass includes systems which utilize the reflected or returned wave to control the position or orientation of the transmitting or receiving antenna.

Search this class, subclass—

2—for miscellaneous wireless transmission systems for controlling apparatus located at a distance from the transmitter.

1.56. Subject matter under subclass 1.50 which includes means to determine the velocity or speed of the object, either with reference to the transmitter or the receiver, or its speed with reference to any other reference point.

1.58 Subject matter under subclass 1.56 which also has means to determine the distance of the object from the transmitter, the receiver, or from any other reference point, and/or to determine the direction of the object with respect to the transmitter, the receiver, or any other reference point or line.

1.60. Subject matter under subclass 1.50 which includes means to determine the distance of the object from the transmitter, the receiver, or from any other reference point, and to also determine the direction of the object with respect to the transmitter, the receiver, or any other reference point or line.

Search this class, subclass—

1.58—for systems under subclass 1.50 which include means to determine the distance, direction and the speed of an object.

1.62. Subject matter under subclass 1.60 in which the radiant energy is radio waves in the form of discrete pulses.

1.64. Subject matter under subclass 1.50 which includes means to determine the distance of the object from the transmitter, the receiver, or from any other reference point.

Search this class, subclass—

1.58—for systems under subclass 1.50 which include means to determine the distance and the speed of an object.

1.60+—for this subject matter where the system includes means to determine the direction and the distance of an object.

1.66. Subject matter under subclass 1.64 in which the radiant energy is radio waves in the form of discrete pulses.

1.68. Subject matter under subclass 1.64 in which the radiant energy is radio waves of continually varying frequency (frequency modulated).

1.70. Subject matter under subclass 1.64 in which means are provided for utilizing triangulation procedure to determine the distance.

Search this class, subclass—

11—for systems utilizing directive radio waves to determine distance by means of triangulation procedures.

1.72. Subject matter under subclass 1.50 which include means to determine the direction of the object with respect to the transmitter, the receiver, or any other reference point or line.

Search this class, subclass—

1.58—for systems under subclass 1.50 which include means to determine the direction and speed of an object.

1.60+—for this subject matter where the system includes means to determine the direction and the distance of an object.

1.74. Subject matter under subclass 1.50 which includes means to produce an image of the object at the receiving station.

(1) Note.—See the references to the classes and subclasses under the definition of subclass 1.50 for other classes and subclasses which utilize radiant energy to form an image of an object which is located at a distance from the observer.

1.76. Subject matter under subclass 1.50 not otherwise classified for reflecting radio waves or for absorbing radio waves, or otherwise designed to prevent the use of the systems of subclasses 1.50+, or to make the results of the use of such systems ineffective or inaccurate.

in subclass 2, cancel the note entitled, "(1) Search this class" and add:

Search this class, subclass—

1.54—for this subject matter where the system includes a reflected or otherwise returned radio wave (radar) system.

4, 5, 6+, and 8+—for teledynamic telephone or telegraph systems specific to the radio transmission of spoken or other sounds and code signals, respectively.

in subclass 11, add:

Search this class, subclass—

1.50+—for reflected or otherwise returned wave (radar) systems utilizing directive radio ways. Note indented subclass 1.70 for such systems for determining the distance of an object from a reference point by triangulation methods.

in subclass 15, add:

Search this class, subclass—

1.50—for systems and apparatus which include a receiver-transmitter station designed for control by a wave transmitted from a first transmission station and designed to transmit a signal which is different from the received signal, the system including means to receive the signal transmitted by the receiver transmitter station. Where the signal which is transmitted by the receiver-transmitter is of the same character as the received signal, even though a time-delay is interposed between the time of reception and the time of transmission, the patent is classified in this subclass (15).

252, Compositions (Divisions 3, 64)

in subclass 303, under "Search Class", cancel the reference to class 83, Mills, and add:

18—PLASTICS, subclasses 2.4+ and 47.2+ for comminuting a liquid or melted material and solidification of the particles.

254, Pushing and Pulling Implements (Division 61)

establish the following subclass definitions:

50.1. Apparatus under the class definition comprising means for engaging, and applying force to spread apart, the beads of resilient tire casings.

(1) Note.—The "means for engaging and applying force" referred to in the definition is to be construed as excluding devices which merely hold the tire casing in deformed position. See class 81, TOOLS, subclass 15.3, for such devices. Tire spread holders which are provided with means adapting the device to use also as a spreader are provided for in this or the indented subclasses.

Search Class—

18—PLASTICS, subclass 2, for apparatus including tire spreading means for removing or manipulating inflatable bags within the casing.

81—TOOLS, subclass 15.2+, for resilient tire repair tools in general, particularly subclass 15.3 (see (1) Note).

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 9+, for processes and apparatus for making and repairing resilient tire casings, which include means for spreading the casing.

157—WHEELWRIGHT-MACHINES, subclass 6, for tire spreaders used in applying tire casings to wheels, e. g. (1) devices which spread tire casings while the casing is on a wheel, (2) spreaders combined with means to apply a casing to, or remove it from, a wheel or (3) spreaders convertible to use as tire casing compressors used in applying the casing to a wheel.

50.2. Apparatus under subclass 50.1 in which (1) the spreader is provided with means to move it, or adapting it for movement, relative to the casing while the casing is in spread condition or (2) the spreader and casing are supported for rotary movement together.

Search Class—

157—WHEELWRIGHT-MACHINES, subclass 6, for devices for assembling or disassembling tires and wheels embodying tire engaging means adapted to move circumferentially of the tire.

50.3. Apparatus under subclass 50.1 in which the spreader operating means is actuated by fluid pressure.

Search this class, subclass—

93—and the notes thereto, for pushing and pulling devices in general operated by fluid pressure.

50.4. Apparatus under subclass 50.1 in which the spreader is provided with means which support the tire casing against the action of gravity.

Search this class, subclass—

50.2 and **50.3**—for devices having supports for the spread tire in addition to the characteristics provided for in those subclasses.

Search Class—

248—SUPPORTS, appropriate subclasses, for supports in general.

in subclass 93, add:

Search this class, subclass—

50.3—for tire spreaders employing fluid pressure means.

in subclass 131, under "(1) Search this class" after "44," insert: *50.2,*.

257, Heat Exchange (Divisions 30, 32)

in subclass 187, under "Search Classes" cancel the reference to class 83, Mills.

259, Agitating (Division 32)

in the main class definition, under "(6) Search Classes", cancel the reference to class 91, Coating, and substitute:

91—COATING, for coating and impregnating apparatus involving mixing and agitating the base and coating materials, and see the main class definition of class 91 for the line.

146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, subclasses 49+ and 250+ for vegetable peeling or hulling apparatus in which material is agitated in contact with an abrading or like surface. Also see subclass 226 for processes of agitating vegetable and meat for the purposes of that class (146).

in subclass 9, cancel "Search Class", and the reference to class 83, Mills, thereunder;

in subclass 180, add:

Search Class—

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 171, and the notes thereto for similar agitators in combination with drying or gas contact means.

193—CONVEYERS, CHUTES, SKIDS, GUIDES, AND WAYS, subclass 27, for non-agitating zigzag chutes.

260, Chemistry, Carbon Compounds (Divisions 6, 15, 31, 38, 43, 50, 59, 63)

in subclass 397, under "Search Class", change "subclass 74," to *subclasses 74 and 74.5,*.

262, Mining, Quarrying, and Ice Harvesting (Division 4)

in subclass 20, in (1) Note, cancel "mining" and substitute: *in this class.*

265, Force-Measuring (Division 36)

in the main class definition under "Search Class" add:

222—DISPENSING, subclass 77, for weighing-dispensing combinations involving means to weigh material already dispensed. Weighing combinations including weigh pans having claimed means to dispense material therefrom are classified in the appropriate subclasses of this class (265) unless (1) the pan is disclosed as continuously connected to a source of controlled supply in which case it is deemed to be a trap chamber combination for class 222 or (2) the discharge from the pan is automatically controlled by the weight of the material in the pan, which combination is provided for in class 222, subclass 58. For automatic control of filling or both filling and emptying the pan, see class 249.

226—FILLING AND CLOSING PORTABLE RECEPTACLES, appropriate subclasses, for combinations including means to fill portable receptacles combined with means to weigh the filling material, except such automatic weighing combinations as are provided for in class 249.

249—AUTOMATIC WEIGHERS, appropriate subclasses, for weighing combinations in which both filling and discharge or filling only of weigh pans is automatically controlled by the weight of the material in the pan. The weigh pan may be a portable receptacle.

266, Metallurgical Apparatus (Division 28)

in subclass 34, under "Search Classes" cancel the reference to class 83, Mills, and add:

18—PLASTICS, subclasses 2.4+ and 27.2+, for apparatus and processes for comminuting and solidifying slag or metal.

299, Fluid Sprinkling, Spraying and Diffusing (Division 46)

in subclass 140.1 in the note thereto, cancel the reference to class 83, Mills, and substitute: *class 18, Plastics, subclass 2.4+,*.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Dedicated Patents

The following plant patents, owned by The Wayside Gardens Company, a corporation of the State of Ohio having its principal place of business at Mentor, Ohio, have been dedicated to the public by an instrument recorded in the United States Patent Office on July 2, 1946, which reads in part as follows:

* * * The Wayside Gardens Company "does hereby assign, transfer and dedicate to the people of the United States of America, the entire right, title and interest in and to said inventions and discoveries, for the benefit of and the free use thereof by the people of the United States, and hereby authorizes the Commissioner of Patents to make such publication of this dedication and abandonment as may be deemed desirable by him."

Plant Pat. 288. ROSE. Patented Aug. 30, 1938.

Plant Pat. 298. ROSE. Patented Oct. 25, 1938.

Plant Pat. 299. ROSE. Patented Oct. 25, 1938.

Plant Pat. 385. ROSE. Patented May 7, 1940.

Plant Pat. 386. ROSE. Patented May 7, 1940.

Plant Pat. 329. PHLOX. Patented Apr. 25, 1939.

The rose plants hereinabove dedicated are characterized by vigorous growth, exceptional hardiness and resistance to mildew and other plant diseases. They may be grown without protection in many regions of the temperate zones and successfully with protection in colder climates where it has heretofore been impossible or exceedingly difficult to grow roses.

The rose of Patent 288 is a distinctive cerise with a pronounced light yellow center, spotted with stamens bearing tops of darker color in contrast. Each rose has 26 to 28 petals. The shrub has stems and stalks of sturdy character and grows to a height of about thirty inches with a spread of about four feet. An abundance of rich green leaves greatly accentuates the beauty of the flowers. These leaves are oval-shaped with inconspicuous ribs and veins.

The rose of Patent 298 is two-toned fresh pink with a slight briar scent and has 80 or more petals. The flowers are imbricated in camellia-like form and are borne singly and in clusters on stems 15 to 24 inches long. The shrub grows from three to three and one-half feet high with a spread of two to three feet. A free growth of foliage extends from base to top.

The rose of Patent 299 is cherry red with a distinctive reflection of a fiery orange glow which radiates from the flower in full bloom. Each rose has 30 to 36 petals. The shrub grows 24 to 30 inches high with a spread of 18 inches or more and blooms profusely, singly and in clusters, throughout the summer. The leaves, stalks and pedicels are all of a glaucous green color.

The rose of Patent 385 is unusually hardy having withstood a temperature of −30° F. for an appreciable period without damage. This plant, which climbs to a height of seven to ten feet with roses starting one and one-half to two feet from the base, is characterized principally by its prolific blooms of delicate coral pink, which are of superior beauty, shape and size. During the blooming period of four to five weeks, the roses which have 35 to 40 petals, are consistent in quantity and quality. The plant has an abundance of large shiny leaves of medium green with slight reddish shade. The pedicels support the flowers without bending.

The rose of Patent 386 is glossy white in color with a very pronounced briar scent and has between 25 and 35 shell-shaped petals. The plant, which climbs to a height of 15 feet or more, with flowers starting one and one-half to two feet from its base, is characterized principally by its exceptional prolificacy of blooms, which so completely cover the plant that it resembles a single large and compact bouquet of glossy white blossoms. During the blooming period, which is five to six weeks, the roses are consistent in quantity and quality.

The phlox of Patent 329 is white in color with an overcast or hue of blue merging into a distinct blue center having a purplish tone. It is hardy and vigorous with prolific growth. Although the plant is semi-dwarf, it grows to a height of 24 to 36 inches depending on the soil. The bloom heads are seven to eight inches in diameter and eight to nine inches high. The flowers, which are one and one-quarter to two inches in diameter, last for relatively long periods, and are not damaged materially by rain or sun.

The following patents owned by the Wingfoot Corporation, Akron, Ohio, have been dedicated to the public by an instrument recorded in the United States Patent Office July 2, 1946, which reads in part as follows:

"* * * The Wingfoot Corporation hereby grants * * * to all governments and government agencies, foreign or domestic, and to every member of the public throughout the world, including individuals, firms and corporations, an irrevocable, non-exclusive, royalty-free right throughout the territory covered by said Letters Patent, to practice, to make, use and/or sell the inventions described and claimed in and by the aforesaid Letters Patent without any liability under said Letters Patent to said Wingfoot Corporation or its successors, affiliates, or assigns, for the full term of the last to expire of the aforesaid patents and by reissues, renewals or extensions thereof; and Wingfoot Corporation further waives, relinquishes and surrenders any and all claims for infringement, past, present and future, which Wingfoot Corporation may have acquired" by virtue of an assignment dated June 30, 1945.

Pat. 1,746,357. METHOD OF AND APPARATUS FOR CURING MOLDED RUBBER ARTICLES. Patented Feb. 11, 1930. Group 30—11.

Pat. 1,757,053. METHOD OF AND APPARATUS FOR CURING RUBBER ARTICLES BY THE CIRCULATION OF HEATED GASES. Patented May 6, 1930. Group 30—11.

The two patents listed above provide a method and apparatus for accelerating the cure of molded rubber articles, which includes even heavy truck tires. A small amount of the steam which is applied externally of a closed mold is bled off to pre-heat the gas before delivery to the mold. This bleeding-off also stimulates circulation of the remaining steam. In Patent 1,757,053 the cure is further accelerated by continued circulation of the pre-heated gas. The circulation of the gas is stimulated without increasing the pressure by bleeding-off a small amount of the gas from the return conduit.

Pat. 1,808,428. PROCESS OF CURING TIRES AND THE LIKE. Patented June 2, 1931. Process includes the steps of bringing up the initial pressure in an air bag with carbon dioxide either alone or in combination with other inert gases and maintaining such pressure during curing action by a less expensive gas or gaseous mixture. Steam either with or without a small proportion of other inert gases is preferably the pressure maintaining medium. Group 30—11.

Reissue 22,188. METHOD OF REGULATING AND MAINTAINING HEAT TRANSFER. Patented Sept. 29, 1942. Orig. Pat. 1,808,429.

A method in which carbon dioxide is admitted into an air bag at a predetermined pressure and, after all air has been expelled, admitting steam at a higher temperature to bring the gas up to vulcanizing temperature and maintaining it at such temperature. The carbon dioxide may be replaced entirely by steam. The same principle can be applied to articles not requiring the use of an air bag. Group 30—1—11.

Pat. 1,875,479. METHOD AND APPARATUS FOR REMOVING WATER FROM AIR BAGS OR THE LIKE. Patented Sept. 6, 1932. Liquid is forced from bag without collapsing it by utilization of air pressure. The apparatus has a tubular chamber in which a bag with its stem in upright position is placed. A tube connected to a T-assembly with a valve on each arm is telescoped into the stem with its end above the liquid and air pressure built up in the bag. The air is then cut off and the tube lowered into the liquid until its end barely clears the bottom of bag. A valve is then opened to allow the air pressure to force the liquid from the bag. An arm vertically slidable on a post is used to raise and lower the T-assembly, being suitably connected thereto. Groups 30—11; 35—59.

Pat. 2,017,071. METHOD OF SECURING ADHESION OF RUBBER TO METAL. Patented Oct. 15, 1935. Provides a method for obtaining a high degree of adhesion between a relatively soft grade of rubber and ferrous metal without the use of special expedients, such as special rubber cement, or scoring, of the metal. The inventor claims it requires upwards of 400 lbs. per square inch to disrupt the bond and that such disruption will usually occur in the layer itself rather than the bond; also, that it will withstand severe flexing stresses. The method utilizes notably higher temperature than that customarily used. It is preferable to use sulphur somewhat in excess of that ordinarily used, and a mild applicator. High temperature is applied to the exposed surface of the metal to cause depolymerization of the rubber surface only in contact with the metal to a degree necessary to provide adhesion before vulcanization to any extent can occur. Application of heat is continued until vulcanization of the whole layer is substantially complete. Laminated layers may be built up by this method. Group 30—52.

Pat. 2,067,060. METHOD OF TREATING PIGMENTS. Patented Jan. 5, 1937. Provides a method of coating or impregnating carbon black or other pigments with wetting and/or softening agents in an atmosphere of carbon dioxide at elevated pressures and temperatures, such temperature being sufficiently high to volatilize the treating agents. The carbon dioxide acts as a carrying and dispersing vehicle. Upon release of the pressure the treating agents remain substantially uniformly dispersed throughout the carbon black while the carbon dioxide is given off. This treatment facilitates incorporation of the treated material into rubber. Paint pigments may be treated in the same manner with suitable wetting or emulsifying agent. Group 30—11.

Pat. 2,095,673. METHOD OF TREATING RUBBER. Patented Oct. 12, 1937. Group 30—1.

Pat. 2,148,572. METHOD OF TREATING RUBBER. Patented Feb. 28, 1939. Group 30—1.

These two patents provide a method for treating crude rubber in the presence of carbon dioxide at elevated pressures and temperatures to break down the rubber, and the incorporation of various treating agents thereinto without prolonged milling at heavy pressures. Pieces of crude rubber, with or without treating agents, are placed in an enclosed vessel and part of the air evacuated therefrom. The evacuated air is replaced by a regulated amount of carbon dioxide. The vessel is heated to a temperature of at least 330° F. and the pressure maintained preferably at 50 lbs. per square inch during the mixing operation.

Pat. 2,180,304. APPARATUS FOR MOLDING SPONGE RUBBER. Patented Nov. 14, 1939. Groups 30—52; 35—59.

Pat. 2,199,006. SPONGE RUBBER ARTICLE AND METHOD OF MAKING SAME. Patented Apr. 30, 1940. Groups 30—52; 35—59.

The two patents listed above cover a sponge rubber article, such as a cushion having tubular passages therein, and a molding apparatus and method for making the same. Apparatus consists of a mold having removable supports for holding a plurality of rows of pipes or rods in spaced relation. Alternate layers of rubber and rows of pipes are placed in the mold. Application of heat in a well known manner unites the layers around the pipes into a single mass leaving a multiplicity of parallel tubular passages, preferably open at their ends, after the supports and pipes have been removed. The surface layers may be of different density, or have other characteristics, in order to improve the appearance, as well as to facilitate the application of trade-marks, designs, etc.

The following patent owned by the Philco Corporation, Philadelphia, Pennsylvania, has been dedicated to the public by an instrument recorded in the United States Patent Office Aug. 9, 1946, which reads in part as follows: "• • • said Philco Corporation • • • does hereby assign, transfer, and dedicate to the People of the United States of America the entire right, title, and interest in and to the said Letters Patent for their free use thereof."

Pat. 2,207,692. CONTROLLABLE RADIO AERIAL. Patented July 9, 1940. Adapted to protrude through the roof of a vehicle the aerial can be lengthened or retracted at the will of the driver of the vehicle by grasping an exposed portion of the rod inside the vehicle. It is frictionally held when extended to various positions. The aerial is flexible and telescopes into a fibrous tube which permits curving of the lower end of the installation to allow its location to offer minimum obstruction. A combined frictional support, insulating and sealing assembly surrounds the aerial where it extends through the roof. A lighted arrow may be placed on the tip and the aerial rotated to indicate either a right or left hand turn. Modification shows aerial constructed so that when it is extended it will spread into Y formation. Groups 36—61; 38—31.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 15, 1946

[VOL. 591. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 498,240. MONARCH LEATHER COMPANY, Chicago, Ill. Filed Mar. 14, 1946.

PYGMALION

FOR LEATHER.
Claims use since May 1, 1925.

CLASS 2

RECEPTACLES

Ser. No. 471,111. RALPH R. WILKINS, doing business as The Wilkins Company, Cortland, N. Y. Filed June 9, 1944.

K-LENS-M

The word "Lens" is disclaimed apart from the mark.
FOR DISPENSER CABINETS—NAMELY, CABINETS FOR DISPENSING LENS CLEANING FLUID AND/OR TISSUES FOR CLEANING EYEGLASSES, SAFETY GOGGLES, OR OTHER LENSES.
Claims use since Apr. 20, 1943.

Ser. No. 496,601. BETTER PACKAGES, INCORPORATED, Shelton, Conn. Filed Feb. 15, 1946.

BIG INCH

FOR TAPE DISPENSERS FOR SERVING ADHESIVE TAPE, SOLD EMPTY.
Claims use since Sept. 15, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 505,056. HAWKINS & ORCUTT, Gloversville, N. Y. Filed July 3, 1946.

Geor-Jes

FOR HANDBAGS.
Claims use since August 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 475,985. JOHN T. STANLEY CO., INC., New York, N. Y. Filed Nov. 1, 1944.

COSMOS

FOR LAUNDRY SOAP.
Claims use since September 1918.

Ser. No. 492,744. SOLVENT PRODUCTS, INC., New York, N. Y. Filed Dec. 5, 1945.

Vita-Lastic

FOR WASHING FLUID FOR WASHING GIRDLES, FOUNDATIONS, SURGICAL GARMENTS, AND SIMILAR ELASTIC GOODS.
Claims use since Sept. 27, 1945.

Ser. No. 493,209. P. HOLGER NELSON, Worcester, Mass. Filed Dec. 13, 1945.

KORNROCK

FOR ABRASIVE STONES.
Claims use since Oct. 26, 1945.

Ser. No. 495,968. HOOD CHEMICAL CO., INC., New York, N. Y. Filed Feb. 4, 1946.

INDRA

FOR HOUSEHOLD WASHING COMPOSITION.
Claims use since Jan. 4, 1946.

Ser. No. 495,970. HOOD CHEMICAL CO., INC., New York, N. Y. Filed Feb. 4, 1946.

SING

FOR HOUSEHOLD CLEANER.
Claims use since Jan. 4, 1946.

Ser. No. 497,249. DAVID E. KENNEDY, INC., Brooklyn, N. Y. Filed Feb. 26, 1946.

KEN-CLEANER

The word "Cleaner" is disclaimed apart from its association with the word "Ken."
FOR CLEANER FOR ASPHALT TILE, RUBBER TILE, CORK TILE, CORK COMPOSITION, AND LINOLEUM.
Claims use since Jan. 1, 1938.

CLASS 5
ADHESIVES

Ser. No. 505,978. NATIONAL STARCH PRODUCTS INC., New York, N. Y. Filed July 20, 1946.

STRIP-WRAP

FOR GLUE.
Claims use since February 1923.

CLASS 6
CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 471,233. ORMONT DRUG & CHEMICAL CO., INC., Long Island City, N. Y. Filed June 14, 1944.

ORZEMA

FOR COSMETIC, EMOLLIENT AND DERMATOLOGICAL PREPARATIONS FOR THE CARE OF THE SKIN AND FOR THE TREATMENT OF MINOR SKIN IRRITATIONS.
Claims use since May 6, 1942.

Ser. No. 482,103. SAMUEL HERMAN, doing business as Jefferson Manufacturing Company, Los Angeles, Calif. Filed Apr. 13, 1945.

SMILEX

FOR CHEMICAL BLEACHING PREPARATION ADAPTED FOR USE AS A LAUNDRY AID, STAIN REMOVER, CLEANSER, DEODORANT, AND GENERAL HOUSEHOLD USE.
Claims use since January 1933.

Ser. No. 483,361. WILLIAM BAACK, Lubbock, Tex. Filed May 15, 1945.



WILLIAM BAACK

The portrait is that of applicant.
FOR MEDICINAL PREPARATIONS FOR THE RELIEF OF KIDNEY DISORDER.
Claims use since Dec. 27, 1943.

Ser. No. 485,007. BUREN L. CORLEY, doing business as Chirodex Products, San Francisco, Calif. Filed June 25, 1945.

CHIRODEX



The representation of the individual is fanciful.
FOR HERBAL-VEGETABLE LAXATIVE IN BULK FORM, HERBAL-VEGETABLE LAXATIVE IN TABLET FORM, GARLIC, PARSLEY AND ONION TABLETS FOR USE AS AN INTESTINAL PURIFYING AGENT AND HYDROGEL, A MECHANICAL LAXATIVE.
Claims use since May 25, 1945.

Ser. No. 485,738. E. R. SQUIBB & SONS, New York, N. Y. Filed July 12, 1945.

DIAZPRIN

FOR ANTIBACTERIAL AND ANALGESIC PREPARATIONS.
Claims use since May 15, 1945.

Ser. No. 488,477. PROFESSIONAL PHARMACAL COMPANY, INC., San Antonio, Tex. Filed Sept. 14, 1945.

OTOCAINE

FOR EAR DROPS.
Claims use since December 1943.

Ser. No. 488,612. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Sept. 17, 1945.

PITTCHLOR

The drawing is lined for red and violet.
FOR HYPOCHLORITES OF ALKALI METALS AND ALKALI EARTH METALS.
Claims use since July 18, 1945.

Ser. No. 489,819. EDGAR A. MURRAY CO., Detroit, Mich. Filed Oct. 11, 1945.

Ant Doom

No claim is made to the word "Ant" apart from the remainder of the mark.
FOR INSECTICIDE OR INSECT EXTERMINATOR.
Claims use since 1898.

Ser. No. 489,998. VESTAL CHEMICAL LABORATORIES, INC., St. Louis, Mo. Filed Oct. 15, 1945.

AMERSE

FOR GERMICIDES.
Claims use since Sept. 15, 1945.

Ser. No. 491,649. MAN OF MANHATTAN, INC., New York, N. Y. Filed Nov. 15, 1945.



Applicant disclaims all rights to the word "Talc" apart from the mark.
FOR MEN'S TOILETRIES—NAMELY, TALCUM POWDER.
Claims use since Oct. 24, 1945.

Ser. No. 492,188. WILLIE JURU EVANS, doing business as Juru's Mira-Cu Herb Tonic Co., Dunedin, Fla. Filed Nov. 26, 1945.

Mira-Cu

FOR HERB TONIC FOR RELIEVING GAS PAINS, LOW BLOOD PRESSURE, CHANGE OF LIFE, KIDNEY AND BLADDER DISORDERS, LOST VITALITY, NUMBNESS OF LIMBS, FEMALE TROUBLE, AND KINDRED USES.
Claims use since Sept. 22, 1945.

Ser. No. 492,639. MARWIN DYESTUFF CORPORATION, Jersey City, N. J. Filed Dec. 4, 1945.

MARACEL

FOR DYESTUFF.
Claims use since Feb. 28, 1940.

Ser. No. 492,640. MARVIN DYESTUFF CORPORATION, Jersey City, N. J. Filed Dec. 4, 1945.

MARACHROME

FOR DYESTUFF.
Claims use since Feb. 28, 1940.

Ser. No. 492,641. MARWIN DYESTUFF CORPORATION, Jersey City, N. J. Filed Dec. 4, 1945.

MARACID

FOR DYESTUFF.
Claims use since Feb. 28, 1940.

Ser. No. 492,647. MARWIN DYESTUFF CORPORATION, Jersey City, N. J. Filed Dec. 4, 1945.

UNITONE

FOR DYESTUFF.
Claims use since Feb. 28, 1940.

Ser. No. 492,669. JEAN VERGLAS, Paris, France. Filed Dec. 4, 1945.

VISITEURS DU SOIR

FOR PERFUMES, TOILET WATERS, BEAUTY CLAYS, NAIL ENAMEL AND POLISH, LIP ROUGE, FACE ROUGE AND POWDERS, LOTIONS AND CREAMS, TOOTH PASTE AND POWDERS, TALCUM POWDERS, HAIR TONICS AND LOTIONS.
Claims use since May 6, 1943.

Ser. No. 492,739. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 5, 1945.

BACHELOR'S CARNATION

The word "Carnation" is disclaimed apart from the mark.
FOR NAIL ENAMEL, LIPSTICKS, FACE POWDER, AND ROUGE.
Claims use since Nov. 16, 1945.

Ser. No. 494,016. BUFFINGTONS' INC., Worcester, Mass. Filed Dec. 29, 1945.

CYSTORRHOL

FOR INTERNAL MEDICATION FOR THE TREATMENT OF CERTAIN URINARY INFECTIONS.
Claims use since October 1927.

Ser. No. 496,229. ADRIENNE FOY, Paris, France. Filed Feb. 8, 1946.

MAUDY

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since Jan. 25, 1928.

Ser. No. 496,537. BOYLE-MIDWAY INC., Jersey City, N. J. Filed Feb. 14, 1946.



The drawing is lined to indicate the colors orange and yellow and shaded to indicate black.
FOR INSECTICIDES, DISINFECTANTS, GARDEN SPRAY, AND CHEMICAL WEED KILLER.
Claims use since Jan. 31, 1946; and on the words "Black Flag" and the representation of a flag, since 1883.

Ser. No. 496,538. BOYLE-MIDWAY INC., Jersey City, N. J. Filed Feb. 14, 1946.



The drawing is lined to indicate the colors orange and yellow and shaded to indicate black.
FOR INSECTICIDES, DISINFECTANTS, GARDEN SPRAY, AND CHEMICAL WEED KILLER.
Claims use since 1883 on words "Black Flag" and the representation of a flag; since May 8, 1906, on words "Bandera Negra"; and since Jan. 31, 1946, on the mark presented.

Ser. No. 497,297. MARK CROSS COMPANY, New York, N. Y. Filed Feb. 27, 1946.

Cross Country

FOR MEN'S TOILETRIES COMPRISING AFTER SHAVE CREAM, AFTER SHAVE LOTION, COLOGNE, DEODORANT, TALCUM POWDER, AND FACE POWDER.
Claims use since January 1946.

Ser. No. 497,608. GEORGE C. HESTER, doing business as Janet Hester, Glendale, Calif. Filed Mar. 4, 1946.

THREE LITTLE WORDS

(I love You)

FOR PERFUMES.
Claims use since Feb. 21, 1946.

Ser. No. 497,736. PARFUMS CHARBERT, INC., New York, N. Y. Filed Mar. 6, 1946.

HOLD EVERYTHING

FOR PERFUMES, TOILET WATERS, EAU DE COLOGNES, SACHET POWDERS, TALCUM POWDER, FACE POWDER, BATH POWDER, FACE CREAMS, CLEANSING CREAMS, LIPSTICK AND ROUGE.
Claims use since May 25, 1940.

Ser. No. 498,084. JOHN F. ROLAND, doing business as Atomac Power Products, Longview, Tex. Filed Mar. 12, 1946.

ATOMAC POWER

No claim is made to the word "Power" apart from the mark.
FOR BRAKE FLUID.
Claims use since Jan. 29, 1946.

Ser. No. 498,243. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Mar. 14, 1946.

PERCAL

FOR BLEACHING AGENT FOR FLOUR.
Claims use since Jan. 29, 1946.

Ser. No. 498,244. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Mar. 14, 1946.

QUINOSIN

FOR CHEMICAL PRODUCTS FOR USE IN COMBATING FUNGI IN THE AGRICULTURAL FIELD.
Claims use since Feb. 11, 1946.

Ser. No. 498,317. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Mar. 15, 1946.

CYCAINE

FOR ANESTHETIC PREPARATION.
Claims use since Feb. 18, 1946.

Ser. No. 498,318. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Mar. 15, 1946.

CYCLAINE

FOR ANESTHETIC PREPARATION.
Claims use since Feb. 18, 1946.

Ser. No. 499,337. HARRY W. MAGER, doing business as Patricia Cosmetics, Chicago, Ill. Filed Mar. 30, 1946.

TICO-TICO by Patricia

FOR PERFUME.
Claims use since Dec. 1, 1945.

Ser. No. 499,825. COLONIAL DAMES COMPANY, LTD., Los Angeles, Calif. Filed Apr. 8, 1946.

Bachelor Button

FOR COLOGNE.
Claims use since Nov. 3, 1941.

CLASS 7

CORDAGE

Ser. No. 473,526. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Aug. 23, 1944. Under section 5b of the act of 1905 as amended in 1920.



No claim is made to the exclusive use of the words "Wire Rope" apart from the rest of the features shown. The cross hatching on the drawing is for shading only.
FOR WIRE ROPE.
Claims use since July 8, 1944.

Ser. No. 490,921. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Nov. 2, 1945.

Mainstay

FOR TWINE.
Claims use since Aug. 2, 1922.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 463,908. MUNN AND STEELE, INCORPORATED, Newark, N. J. Filed Oct. 5, 1943.

Masco

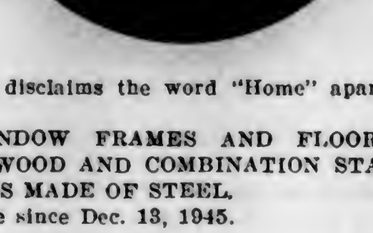
FOR HEAT RESISTING PLASTER FOR WALLS CONSISTING OF A MIXTURE OF GYPSUM PLASTER AND THERMALLY EXPANDED MICA; WATER-REPELLANT MATERIAL FOR WALLS CONSISTING OF A MIXTURE OF GYPSUM PLASTER, THERMALLY EXPANDED MICA, PORTLAND CEMENT, AND HYDRATED LIME; MATERIALS FOR CONSTRUCTING FIRE CHAMBERS FOR OIL BURNING BOILERS CONSISTING OF TIE BANDS, BONDING CEMENT, THERMALLY EXPANDED MICA BACK-FILLING MATERIAL, AND PREFORMED SHAPES MADE OF VARYING MIXTURES OF THERMALLY EXPANDED MICA, REFRACTORY CLAYS, KYANITE, PORTLAND OR HIGH ALUMINA CEMENTS, SILICATE OF SODA, GROG AND WATER; AND FIRE PROOF PRE-CAST CONCRETE PLANKS.
Claims use since March 1939.

Ser. No. 469,721. BOTFIELD REFRACTORIES COMPANY, Philadelphia, Pa. Filed Apr. 27, 1944.

ADA-STIC

No claim is made to the word "Stic" apart from the mark. The drawing is lined for red, no claim, however, is made to color.
FOR HEAT INSULATING CEMENT.
Claims use since Apr. 4, 1935.

Ser. No. 496,351. TALON REGLET CO., Bremerton, Wash. Filed Feb. 9, 1946.



Applicant disclaims the representation of a reglet apart from the mark.
FOR INTERLOCKING REGLETS AND COUNTER FLASHING ASSEMBLIES FOR ROOFS, AND THE LIKE.
Claims use since Jan. 18, 1946.

Ser. No. 497,009. JOHN V. AVENT CO., Los Angeles, Calif. Filed Feb. 21, 1946.

Modernaire HOMES

No claim is made to the word "Homes" apart from the mark.
FOR PREFABRICATED BUILDINGS SOLD AS A UNIT.
Claims use since July 26, 1945.

Ser. No. 498,697. THE HOMEOLA CORPORATION, Chicago, Ill. Filed Mar. 21, 1946.



Applicant disclaims the word "Home" apart from the mark.
FOR WINDOW FRAMES AND FLOOR PANELS MADE OF WOOD AND COMBINATION STAIR STEPS AND RISERS MADE OF STEEL.
Claims use since Dec. 13, 1945.

Ser. No. 502,335. SAN ANTONIO PORTLAND CEMENT CO., San Antonio, Tex. Filed May 17, 1946.



The words "San Antonio Portland Cement Co." are disclaimed apart from the mark.
FOR PORTLAND CEMENT.
Claims use since June 1, 1910.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 488,906. KAYNAR MANUFACTURING COMPANY, Los Angeles, Calif. Filed Sept. 24, 1945.

CLiCK

FOR NUT AND BOLT RETAINERS.
Claims use since Aug. 7, 1943.

Ser. No. 497,583. UNITED AIRCRAFT PRODUCTS, INC., Dayton, Ohio. Filed Mar. 2, 1946.

muffineer

FOR METAL BAKING PANS.
Claims use since Oct. 31, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 490,051. AMPCO METAL, INC., Milwaukee, Wis. Filed Oct. 17, 1945.

Phos-Trode

No claim is made to the representation of the welding rods apart from the mark.
FOR METALLIC WELDING RODS AND ARC WELDING ELECTRODES.
Claims use since Sept. 25, 1945.

CLASS 19

VEHICLES

Ser. No. 449,654. SOCIETE GENERALE FRANCAISE DE CONSTRUCTION AUTOMOBILE (SOCIETE ANONYME), Paris, France. Filed Dec. 20, 1941.

"G.F.A."

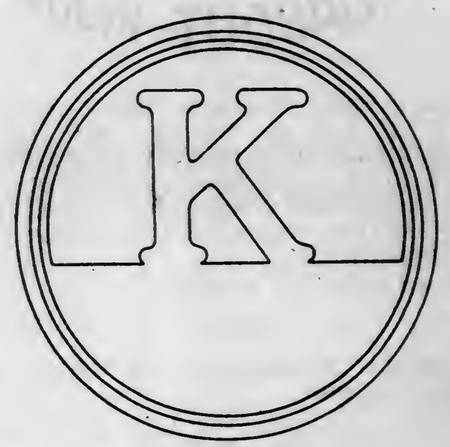
FOR AUTOMOBILES, MOTORCYCLES, AND MOTOR TRICYCLES.
Claims use since May 1941.

Ser. No. 482,974. BORG-WARNER CORPORATION, Chicago, Ill. Filed May 4, 1945.

BEACH-BUSTER

Applicant disclaims any exclusive right in and to the word "Beach" apart from the mark.
FOR VEHICLES—NAMELY AMPHIBIOUS VEHICLES, AND PARTS THEREOF.
Claims use since Apr. 5, 1945.

Ser. No. 485,287. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J Filed June 30, 1945.



FOR MOBILE UNITS FOR FIRE EXTINGUISHING EQUIPMENT—NAMELY, AUTOMOTIVE CHASSIS FOR MOUNTING THEREON OF MODERN FIRE FIGHTING APPARATUS, AND TRAILERS FOR CARRYING FIRE FIGHTING APPARATUS AND ADAPTED TO BE ATTACHED TO AUTOMOTIVE VEHICLES.
Claims use since Oct. 15, 1942.

Ser. No. 485,801. VIRGINIA-LINCOLN CORPORATION, Marion, Va. Filed July 13, 1945.

VIRGINIA-LINCOLN CORP.
MARION, VIRGINIA
Valin

The words "Virginia-Lincoln Corp. Marion, Virginia" are disclaimed apart from the mark. The drawing is lined for red.

FOR AIRCRAFT STRUCTURAL PARTS COMPRISED OF THERMOPLASTIC AND ORGANIC CLOTH SOMETIMES COMBINED WITH CELLULAR ORGANIC MATERIAL, AS RIBS, FUSELAGES, NOSES, NOSE RING COWLS, BULKHEADS, LUGS, LONGERONS, FUEL TANKS, ANTENNA ENCLOSURES, VANED SCREENS, NACELLES AND TOWING TARGETS.

Claims use since May 10, 1945.

Ser. No. 489,068. GRIP NUT COMPANY, Chicago, Ill. Filed Sept. 27, 1945.

GRIPCO

FOR BRAKE BEAM SAFETY SUPPORTS FOR RAILWAY CARS.

Claims use since June 4, 1941.

Ser. No. 491,822. FRANTZ INDUSTRIES, doing business as Aero-Pel, Los Angeles, Calif. Filed Nov. 19, 1945.

GADABOUT MODEL

No claim is made to the word "Model" apart from the mark.

FOR ELECTRIC OR GASOLINE PASSENGER CARRYING VEHICLE, DESIGNED FOR USE FOR PERSONALIZED TRANSPORTATION, LIGHT DELIVERY OR PICK-UP SERVICE, AND AS A MOTORIZED INVALID CHAIR OR VEHICLE.

Claims use since Apr. 3, 1945.

Ser. No. 495,731. E. SELMAN GRAVES, Marblehead, Mass. Filed Jan. 31, 1946.

WATERBUG

FOR SMALL BOATS FOR ROWING, SAILING, OR MOTOR-PROPELLED USE

Claims use since Sept. 15, 1945.

Ser. No. 497,323. PATRICK MURPHY, INC., City Island, N. Y. Filed Feb. 27, 1946.

PAM— line

No claim is made to the exclusive use of the word "Line" apart from the mark.

FOR SMALL BOATS SUITABLE FOR ROWING, SAILING, AND MOTOR-PROPELLED USE.

Claims use since Feb. 1, 1946.

Ser. No. 499,075. PRECISION WELDING AND ENGINEERING COMPANY, Cleveland, Ohio. Filed Mar. 27, 1946.

PORTO-ROL

No claim is made to the word "Rol" apart from the mark.

FOR HAND TRUCKS.

Claims use since Feb. 7, 1946.

Ser. No. 499,526. ADRIAN J. SMITH, doing business as Rollaway Equipment Company, Los Angeles, Calif. Filed Mar. 26, 1946.

ROLLAWAY

FOR STORE SERVICE TRUCKS.

Claims use since June 23, 1945.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 480,281. ELECTROLUX CORPORATION, New York, N. Y. Filed Feb. 27, 1945.

Electro-lux

FOR ELECTRIC MOTORS, ELECTRIC CONVERTERS, ELECTRIC CONTROLLERS THEREFOR, AND PARTS THEREOF.

Claims use since 1924.

Ser. No. 486,537. LINK-BELT COMPANY, Chicago, Ill. Filed July 31, 1945.

LINK-BELT
Electrofluid

The use of the terms "Electrofluid" and "The Symbol of Quality" are disclaimed apart from the mark.

FOR COMBINED ELECTRIC MOTOR AND HYDRAULIC COUPLING DRIVES FOR MECHANICAL DEVICES.

Claims use since June 21, 1945.

Ser. No. 491,119. THE RADIO CRAFTSMEN, INC., Chicago, Ill. Filed Nov. 5, 1945.

kitchenaire

FOR RADIO RECEIVING SETS.

Claims use since Sept. 24, 1945.

Ser. No. 496,325. NATIONAL ELECTRONICS CORPORATION, Cleveland, Ohio. Filed Feb. 9, 1946.

DYNECTRON

FOR ELECTRICAL APPARATUS—NAMELY, ROTARY CONVERTERS, INVERTERS, MOTORS, GENERATORS, ALTERNATORS, PHASE SPLITTERS, SWITCHES FOR CONTROLLING CURRENT GENERATORS, CENTRIFUGAL SWITCHES AND ELECTRICAL DISTRIBUTORS.

Claims use since Jan. 22, 1946.

Ser. No. 498,085. JOHN F. ROLAND, doing business as Atomac Power Products, Longview, Tex. Filed Mar. 12, 1946.

ATOMAC POWER

No claim is made to the word "Power" apart from the mark.

FOR AUTOMOTIVE VOLTAGE REGULATORS.

Claims use since Jan. 29, 1946.

Ser. No. 498,722. SIMPLEX WIRE & CABLE COMPANY, Cambridge, Mass. Filed Mar. 21, 1946.

ANHYDROPRENE

FOR INSULATED ELECTRICAL CONDUCTING WIRE AND CABLE.

Claims use since December 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 497,155. THE AMERICAN DISPLAY COMPANY, Dayton, Ohio. Filed Feb. 25, 1946.

Worry-Wart

FOR FISH BAITS AND FISH LURES.

Claims use since Feb. 5, 1945.

Ser. No. 503,723. GEISLER GANZ CORP., New York, N. Y. Filed June 12, 1946.

GEEGEE BOARD

No claim is made to the word "Board" apart from the mark.

FOR OUTDOOR, WINDPROOF CARD HOLDERS.

Claims use since Jan. 11, 1946.

Ser. No. 503,761. FREDERICK JOHN SCHARKOPF, Valley Stream, Long Island, N. Y. Filed June 12, 1946.

KIDACANAL

FOR HAND DRIVEN CIRCULATING WATER STREAM AND TOY BOAT.

Claims use since Apr. 12, 1946.

Ser. No. 504,348. GEORGE M. GALLOWAY, doing business as Grand Lake Fishing Tackle, Celina, Ohio. Filed June 21, 1946.

LAZY DAN

FOR ARTIFICIAL FISH BAITS.

Claims use since March 1945.

Ser. No. 504,437. GEORGE M. GALLOWAY, doing business as Grand Lake Fishing Tackle, Celina, Ohio. Filed June 22, 1946.

LAZY DAN No. 2

No claim is made to the notation "No. 2" apart from the mark.
FOR ARTIFICIAL FISH BAITS.
Claims use since August 1945.

Ser. No. 506,036. FEB KNODE INC., South Bend, Ind. Filed July 22, 1946.

fashioned by "Feb"

The words "Fashioned By" are disclaimed apart from the mark.
FOR DOLLS.
Claims use since Mar. 5, 1946.

Ser. No. 507,111. DILLARD D. DAUGHHETEE, doing business as Gee Wiz Bait Co., Richland Center, Wis. Filed Aug. 9, 1946.

GEE WIZ

FOR FISH LURES.
Claims use since 1931.

Ser. No. 507,452. AMUSEMATIC CORPORATION, Chicago, Ill. Filed Aug. 15, 1946.

JACK RABBIT

FOR COIN CONTROLLED AMUSEMENT APPARATUS.
Claims use since June 15, 1946.

Ser. No. 507,474. KRUSE AND CONNOR, Chicago, Ill. Filed Aug. 15, 1946.

THE BIG ROCK

FOR COIN CONTROLLED AMUSEMENT GAME APPARATUS.
Claims use since June 15, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 487,298. BASCA MANUFACTURING CO. INC., Indianapolis, Ind., assignor to "Goerlich's", Toledo, Ohio, a partnership. Filed Aug. 20, 1945.

MOTORTONE

FOR MUFFLERS FOR INTERNAL COMBUSTION ENGINES.
Claims use since Aug. 10, 1945.

Ser. No. 487,735. MURRAY & TREGURTHA, INC., Quincy, Mass. Filed Aug. 29, 1945.

HARBORMASTER

FOR COMBINED POWER UNIT AND PROPELLER OPERATING MECHANISM FOR BOATS, BARGES, AND THE LIKE.
Claims use since May 9, 1945.

Ser. No. 491,137. SPECIALTY PRODUCTS COMPANY, Kansas City, Mo. Filed Nov. 5, 1945.

QUICK-E-DO KITCHEN TOOLS

The words "Kitchen Tools" and the pictorial illustration of a combination spoon and spatula are disclaimed apart from the mark.
FOR KITCHEN HARDWARE COMPRISING SPOONS, FORKS, LADLES, SPATULAS, PANCAKE TURNERS, AND VEGETABLE CUTTERS
Claims use since Oct. 1, 1945.

Ser. No. 491,933. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Nov. 20, 1945.

DIMENSO

FOR GENERAL PURPOSE SPRAY GUN APPARATUS AND RELATED EQUIPMENT SUCH AS HOSES, VALVES, GAUGES, AND PRESSURE TANKS.
Claims use since Feb. 27, 1945.

Ser. No. 492,208. MARS MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 26, 1945.

MARS HANDY

Applicant disclaims the word "Handy," except as used with the other features of the mark.
FOR HAND SUCTION-BULB TOOL FOR USE AS A BASTER, SKIMMER, AND FAT REMOVER IN COOKING, FOR WATERING PLANTS, AND SIMILAR USES.
Claims use since June 30, 1940.

Ser. No. 492,367. ELLESS MASKINFABRIK AKTIEBOLAG, Gothenburg, Sweden. Filed Nov. 29, 1945.

ELLESS

FOR SHEET FEEDING APPARATUS FOR PRINTING PRESSES.
Claims use since Dec. 7, 1925.

Ser. No. 494,276. MID-CONTINENT SUPPLY COMPANY, Fort Worth, Tex. Filed Jan. 4, 1946.

MUDERATOR

FOR MECHANICAL APPARATUS FOR MIXING CHEMICALS WITH DRILLING MUD.
Claims use since Sept. 29, 1945.

Ser. No. 494,896. FIRTH STERLING STEEL COMPANY, McKeesport, Pa. Filed Jan. 17, 1946.

SUPER HI-MO

FOR HIGH SPEED STEEL TOOL BITS FOR TURNING, FACING, BORING, AND LIKE OPERATIONS.
Claims use since Feb. 28, 1945.

Ser. No. 496,872. SUMO PUMPS LIMITED, West Smetswick, England. Filed Feb. 18, 1946.

SUMO

FOR ELECTRICAL CENTRIFUGAL PUMPS.
Claims use since Oct. 3, 1939.

Ser. No. 498,086. JOHN F. ROLAND, doing business as Atomac Power Products, Longview, Tex. Filed Mar. 12, 1946.

ATOMAC POWER

No claim is made to the word "Power" apart from the mark.
FOR AUTOMOTIVE FUEL PUMPS, AND MACHINERY BEARINGS.
Claims use since Jan. 29, 1946.

Ser. No. 498,454. QUIMBY PUMP COMPANY, INCORPORATED, Newark, N. J. Filed Mar. 18, 1946.

ROTEX

FOR GEAR PUMPS COMPRISING A PAIR OF MESHING TOOTHED ROTORS JOURNALED IN A CLOSED HOUSING, PARTICULARLY FOR HANDLING VISCOUS LIQUIDS.
Claims use since Nov. 14, 1933.

Ser. No. 498,803. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 22, 1946.

CRAFTSMAN

FOR CLEAVERS, ROOFING KNIVES, POCKET KNIVES, CARVING SETS COMPRISING A CARVING KNIFE, CARVING FORK AND SHARPENING STEEL, PUTTY KNIVES, BUTCHER KNIVES, PARING KNIVES, SHEARS, BREAD KNIVES, WALL SCRAPERS, AUGER BITS, AXES, BACKSAWS, BREAST DRILLS, CHISELS, FILES, HACK SAWS, HAND SAWS, HAMMERS, HAND HAMMERS, HATCHETS, PLANES, PLIERS, TAP AND DIE SETS, BALL BEARING SETS, SCYTHES, ADZES, COPING SAWS, PIPE WRENCHES, PIPE CUTTERS (MANUALLY OPERATED), PUNCHES, PAINT SPRAYERS, GASOLINE MOTOR DRIVEN LAWN MOWERS, NON-POWER LAWN MOWERS, LAWN TRIMMERS, HAND LAWN CLIPPERS, ADJUSTABLE END WRENCHES, ADJUSTABLE SOCKET WRENCHES, BIT BRACES, CIRCULAR SAWS, COLD CHISELS, HAND WRENCHES, HACK SAW BLADES, HACK SAW FRAMES, HAND DRILLS, PUSH DRILLS, SCREWDRIVERS, TINNERS' SNIPS, TOOL GRINDERS (HAND, AND ADAPTED FOR POWER OPERATION), TROWELS, TWIST DRILLS, VISES, WOOD CHISELS, BENCH SAWS, JIG SAWS, LATHES, PLANERS AND SPINDLE SHAPERS.
Claims use since Oct. 28, 1927, on auger bits, axes, backsaws, breast drills, chisels, files, hack saws, hand saws, hammers and hand hammers, hatchets, planes, pliers, tap and die sets, adjustable end wrenches, adjustable socket wrenches, bit braces, circular saws, cold chisels, hand wrenches, hack saw blades, hack saw frames, hand drills, push drills, screwdrivers, tinners' snips, tool grinders, trowels, twist drills, vises, wood chisels, bench saws, jig saws, lathes, planers, and spindle shapers; since January 1934 on lawn mowers, non-power lawn mowers and lawn trimmers; since January 1936 on adzes: since January 1937 on pipe wrenches, pipe cutters and punches; since September 1940 on ball bearing sets; since January 1941 on coping saws, paint sprayers and hand lawn clippers; since July 1941 on pocket knives; since January 1942 on scythes and shears; since July 1942 on cleavers, roofing knives, carving sets, putty knives, butcher knives, paring knives, bread knives, and wall scrapers.

Ser. No. 499,420. THE LATHE CHUCK & TOOL COMPANY, Mishawaka, Ind. Filed Apr. 1, 1946.

ACE

FOR SPRING COLLETS.
Claims use since Feb. 20, 1946.

Ser. No. 499,485. M. E. CUNNINGHAM COMPANY, Pittsburgh, Pa. Filed Apr. 2, 1946.

UTILITY

FOR DIE HOLDERS FOR METAL EMBOSSING AND COUNTERSINKING DIES.
Claims use since Oct. 15, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 469,565. INDEPENDENT EXPLORATION COMPANY, Houston, Tex. Filed Apr. 22, 1944.

GEOTRONIC

FOR ELECTRONIC GEOPHYSICAL PROSPECTING INSTRUMENTS.
Claims use since Feb. 18, 1944.

Ser. No. 495,262. WESTON ELECTRICAL INSTRUMENT CORPORATION, Newark, N. J. Filed Jan. 23, 1946.

CORMAG

FOR ELECTRICAL MEASURING AND CONTROL APPARATUS—NAMELY, GALVANOMETERS, AMMETERS, VOLTMETERS AND INSTRUMENT TYPE RELAYS OF THE PERMANENT MAGNET, MOVABLE COIL TYPE WHEREIN THE PERMANENT MAGNET IS DISPOSED WITHIN THE MOVABLE COIL.
Claims use since Sept. 25, 1945.

Ser. No. 495,723. THE CHAS. FISCHER SPRING COMPANY, Brooklyn, N. Y. Filed Jan. 31, 1946.

OPTONIC

FOR SUN GLASSES.
Claims use since Jan. 10, 1946.

Ser. No. 496,019. FARRAND OPTICAL CO., INC., New York, N. Y. Filed Feb. 5, 1946.

TELEPHOTOSCOPE

FOR OPTICAL APPARATUS, SPECIFICALLY A LENS ATTACHMENT FOR A CAMERA.
Claims use since Oct. 25, 1945.

Ser. No. 496,133. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y. Filed Feb. 7, 1946.

RESISTO

FOR PHOTOGRAPHIC PAPER.
Claims use since Jan. 11, 1946.

Ser. No. 498,211. DONALDSON MANUFACTURING CORP., Peru, Ind. Filed Mar. 14, 1946.

NORTH STAR

FOR MAGNETIC COMPASSES.
Claims use since Feb. 26, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 486,375. LES FILS DE ETIENNE HOFMANN S. A. R. L., Bienne, Switzerland. Filed July 27, 1945.

E  H

The representation of the spring shown on the drawing is disclaimed apart from the mark.
FOR SPRINGS FOR WATCHES.
Claims use since 1927.

Ser. No. 489,174. ROBERT ENGEL, New York, N. Y. Filed Sept. 29, 1945.

MILDIA

FOR IMPORTED SWISS WATCHES AND PARTS THEREOF.
Claims use since Aug. 1, 1939.

Ser. No. 489,719. DIDISHEIM, GOLDSCHMIDT FILS ET CIE, FABRIQUE JUVENIA, La Chaux-de-Fonds, Switzerland, assignor to Juvenia Watch Agency, Inc., New York, N. Y., a corporation of New York. Filed Oct. 10, 1945.

JUVENIA
ARITHMO

FOR WATCHES, WATCH PARTS, CLOCKS, CLOCK PARTS, CASES FOR WATCHES, AND CASES FOR CLOCKS.
Claims use since Feb. 8, 1944.

Ser. No. 489,720. DIDISHEIM, GOLDSCHMIDT FILS ET CIE, FABRIQUE JUVENIA, La Chaux-de-Fonds, Switzerland, assignor to Juvenia Watch Agency, Inc., New York, N. Y., a corporation of New York. Filed Oct. 10, 1945.

JUVENIA
MATHEMATIC

FOR WATCHES, WATCH PARTS, CLOCKS, CLOCK PARTS, CASES FOR WATCHES, AND CASES FOR CLOCKS.
Claims use since July 18, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 476,391. ISIDORE JAFFE, New York, N. Y. Filed Nov. 13, 1944.



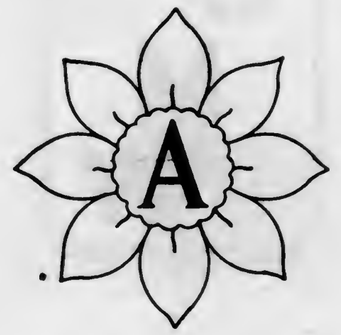
The picture is merely fanciful.
FOR SIMULATED PEARLS, NECKLACES AND COSTUME JEWELRY FOR PERSONAL WEAR.
Claims use since April 1944.

Ser. No. 479,101. ZELL BROS., Portland, Oreg. Filed Jan. 27, 1945.

BLOSSOM TIME

FOR WEDDING AND DIAMOND RINGS.
Claims use since Sept. 3, 1939.

Ser. No. 495,936. LUDWIG J. WEBER, New Kensington, Pa. Filed Jan. 31, 1946.



ALU-MINN

FOR COSTUME JEWELRY.
Claims use since Nov. 19, 1945.

Ser. No. 497,476. THE GREEN COMPANY, INC., Kansas City, Mo. Filed Mar. 1, 1946.



FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES).
Claims use since Jan. 1, 1935.

Ser. No. 498,662. UNITED DISTRIBUTORS, Chicago, Ill. Filed Mar. 20, 1946.

Personality

FOR BRACELETS AND FINGER RINGS.
Claims use since December 1945.

Ser. No. 499,279. RICHARD P. RASEMAN & ELIZABETH B. RASEMAN, Ann Arbor, Mich. Filed Mar. 29, 1946.

ner

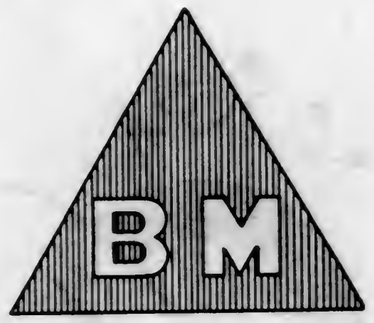
FOR COSTUME JEWELRY.
Claims use since Nov. 26, 1945.

Ser. No. 499,459. ALPHA CRAFT, INC., New York, N. Y. Filed Apr. 2, 1946.

PUNCH 'n' JUDY

FOR COSTUME JEWELRY.
Claims use since Mar. 6, 1946.

Ser. No. 499,754. BAUMAN-MASSA JEWELRY CO., St. Louis, Mo. Filed Apr. 6, 1946.



The lining in the drawing indicates the color red.
FOR JEWELRY—NAMELY, CUFF BUTTONS, EMBLEMS; POCKET, PAPER, FRUIT, BUTTER, AND TABLE KNIVES; AND BELT BUCKLES AND BELT-BUCKLE SETS, ALL BEING MADE OF OR PLATED WITH PRECIOUS METALS, WHOLLY OR IN PART; FINGER RINGS, PINS, CHAINS, BRACELETS, NECKLACES, AND PEARLS AND PRECIOUS STONES.
Claims use since 1889.

Ser. No. 500,074. J. GLADSTONE COMPANY, New York, N. Y. Filed Apr. 12, 1946.

"Lady Lenore"

FOR PEARLS FOR PERSONAL WEAR, AND JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES.
Claims use since November 1945.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 485,029. OREGON FLAX TEXTILES, INC., Oakland, Calif. Filed June 25, 1945.

ORTEX-J8

FOR FLOOR AND DISH MOPS.
Claims use since Jan. 10, 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 506,766. PLASTRAY CORPORATION, Detroit, Mich. Filed Aug. 2, 1946.

PLASTRAY

FOR REFRIGERATOR ICE CUBE TRAYS AND INDIVIDUAL ICE CUBE UNITS THEREFOR.
Claims use since Dec. 29, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 503,913. SYLVAN LEE PRODUCTS COMPANY, Chicago, Ill. Filed June 14, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

Sylcon

FOR MATTRESSES.
Claims use since Sept. 19, 1945.

Ser. No. 507,379. EDO AIRCRAFT CORPORATION, New York and College Point, Long Island, N. Y. Filed Aug. 14, 1946.

Edo

FOR STEP STOOLS.
Claims use since June 27, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 498,500. CATSKILL METAL WORKS, INC., Catskill, N. Y. Filed Mar. 19, 1946.



The vertical lines in the drawing are part of the mark and do not represent areas of red color.
FOR STOKERS, OIL BURNERS, OIL AND COAL FIRED WATER HEATERS, OIL AND COAL FIRED HOT AIR DOMESTIC HEATERS, AND OIL AND COAL FIRED STEAM AND HOT WATER BOILERS.
Claims use since Sept. 13, 1945.

Ser. No. 499,749. AMERICAN ENGINEERING COMPANY, Philadelphia, Pa. Filed Apr. 6, 1946.



FOR FURNACE STOKERS AND PARTS THEREOF PECULIAR TO FURNACE STOKERS.
Claims use since Feb. 13, 1945.

Ser. No. 499,920. JACK SALTZBERG, doing business under the name Seabreeze Eng. Co., Los Angeles, Calif. Filed Apr. 9, 1946.

AJAX

FOR CHARCOAL BARBECUE STOVES.
Claims use since Feb. 21, 1946.

Ser. No. 501,440. CONSOLIDATED COSMETICS, Chicago, Ill. Filed May 4, 1946.

TABU

FOR PYROPHORIC CIGAR AND CIGARETTE LIGHTERS.
Claims use since May *, 1946.

Ser. No. 502,052. CARL Z. ALEXANDER, Springfield, N. J. Filed May 14, 1946.



FOR OIL-FUEL WATER HEATERS.
Claims use since 1939.

Ser. No. 502,636. GUTH, STERN & CO., INC., New York, N. Y. Filed May 23, 1946.

RITZ

FOR POCKET PIPE, CIGAR AND CIGARETTE IGNITERS USING FLUID OR VAPOR FUEL, AND PARTS THEREOF—NAMELY, WICKS AND FLINTS.
Claims use since July 1934.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 505,215. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio. Filed July 8, 1946.

INVADER

FOR PNEUMATIC TIRES.
Claims use since June 1, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 496,264. PARK SQUARE MANUFACTURING COMPANY, St. Paul, Minn. Filed Feb. 8, 1946.

Park Square

FOR WRITING PAPER AND CORRESPONDENCE ENVELOPES.
Claims use since June 20, 1943.

Ser. No. 498,819. AMERICAN TABLET CORPORATION, Pittsburgh, Pa. Filed Mar. 23, 1946.

Pentex

FOR STATIONERY—NAMELY, WRITING PAPER AND TABLETS.
Claims use since Feb. 15, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 491,196. SALES ENGINEERING & TRAINING CO., St. Louis, Mo. Filed Nov. 5, 1945.

SALES ENGINEERING & TRAINING CO. SETCO VISOMETRIC METHOD OF ILLUSTRATION RIALTO BLDG. ST LOUIS, MO.

Applicant disclaims apart from the mark all wording except the words "Setco" and "Visometric."

FOR PUBLICATIONS OF EDUCATIONAL LITERATURE ISSUED FROM TIME TO TIME, AS NEED ARISES, TO EXPLAIN THE OPERATION, MAINTENANCE, REPAIR AND PARTS CATALOGING OF, OR TO PROMOTE INTEREST IN, THE PRODUCT OF ANY PARTICULAR MANUFACTURER, FOR ENGINEERING DRAWINGS, AND FOR SCHEMATIC, CUT AWAY, EXPLODED AND PERSPECTIVE BLACK-AND-WHITE OR WASH DRAWINGS.

Claims use since Jan. 15, 1945.

Ser. No. 491,504. POLAROID CORPORATION, Cambridge, Mass. Filed Nov. 13, 1945.

POLAROID

FOR PUBLICATIONS RELATING TO THE POLARIZATION OF LIGHT AND INSTRUCTION MANUALS RELATING TO THE VARIOUS FIELDS OF APPLICATION THEREOF, SAID PUBLICATIONS AND MANUALS BEING ISSUED FROM TIME TO TIME.

Claims use since 1938.

Ser. No. 494,664. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Jan. 12, 1946.

GEORGE PAL'S puppetoons

The words "George Pal's" is disclaimed apart from the mark.

FOR MONTHLY PUBLICATION.

Claims use since Dec. 28, 1945.

Ser. No. 498,487. THE BLUE AND GRAY CRADLE ASSOCIATION, INC., Montgomery, Ala. Filed Mar. 19, 1946.

the BLUE and the GRAY

FOR MAGAZINE PUBLISHED ANNUALLY.

Claims use since 1939.

CLASS 39

CLOTHING

Ser. No. 476,307. SCHOBLE HATS, INC., Philadelphia, Pa. Filed Nov. 9, 1944. Under 10-year proviso as to "Schoble."



The lining in the upper portion of the mark shown on the drawing represents the color black.

FOR MEN'S HATS.

Claims use since February 1934, and since 1886 as to "Schoble."

Ser. No. 482,927. FRANCO CORSET COMPANY, New York, N. Y. Filed May 3, 1945.

Contour-Lastik Net

The word "Net" is disclaimed apart from the mark.

FOR CORSETS, CORSELETS, AND GIRDLES.

Claims use since Feb. 23, 1945.

Ser. No. 485,985. AUBURN RUBBER CORPORATION, Auburn, Ind. Filed July 19, 1945.

ARCOR

FOR SHOE REPAIR ITEMS—NAMELY, HALF SOLES, HEELS, AND HEEL LIFTS.

Claims use since Mar. 1, 1945.

Ser. No. 496,474. SAPPHIRE HOSIERY COMPANY, Philadelphia, Pa. Filed Feb. 12, 1946.

Sapphire Purs-Pak

No claim is made to the notation "Purs-Pak" apart from the mark.

FOR HOSIERY OF VARIOUS SHADES AND COLORS, EXCLUDING ALL BLUE SHADES AND COLORS.

Claims use since Feb. 1, 1946.

Ser. No. 498,933. M. SHEPORD & CO., New York, N. Y. Filed Mar. 25, 1946.

"SHEERSKIN"

FOR INFANTS' WEAR—NAMELY, BABY PANTS, BABY BIBS, CRIB SUITS, AND BABY CAPS.

Claims use since January 1945.

Ser. No. 500,059. COLLEGIATE MANUFACTURING CO., INC., New York, N. Y. Filed Apr. 12, 1946.

"Convalesa"

FOR HOSPITAL COATS AND BOUDOIR ROBES.

Claims use since Mar. 20, 1946.

Ser. No. 500,397. W. KOURY COMPANY, Greensboro, N. C. Filed Apr. 17, 1946.

William Tell

The mark consists of the name "William Tell," said name is that of a well-known legendary character famous for his exploits in archery.

FOR SHIRTS, PANTS, AND RIDING BREECHES FOR MEN AND BOYS.

Claims use since Jan. 1, 1946.

Ser. No. 500,802. HOLLYWOOD ROGUE SPORTSWEAR CORP., Los Angeles, Calif. Filed Apr. 24, 1946.

Fol-o-thru

FOR SPORT SHIRTS FOR MEN.

Claims use since Jan. 4, 1946.

Ser. No. 500,809. LEVINSOHN BROS. & CO. INC., New York, N. Y. Filed Apr. 24, 1946.

SUNWEAVE

FOR CLOTHING—NAMELY, SUITS AND COATS FOR JUNIORS, BOYS, AND YOUNG MEN.

Claims use since Mar. 13, 1946.

Ser. No. 501,082. ALFRED S. MINCHENBERG, New York, N. Y. Filed Apr. 27, 1946.

MEMOIR

FOR LADIES', MISSES', JUNIOR MISSES', AND GIRLS' DRESSES, BLOUSES, SLACKS, HALTERS, OUTER SHORTS, JUMPERS, AND SHIRTS.

Claims use since Jan. 7, 1946.

Ser. No. 501,727. MORTON FLAMBERG, New York, N. Y. Filed May 9, 1946.

Ainsbrooke

FOR SPORT AND DRESS SHIRTS, SWIM SUITS, HANDKERCHIEFS, NECKTIES, AND MEN'S HOSIERY, PAJAMAS, AND UNDERWEAR—NAMELY, SHIRTS, SHORTS, AND UNIONSUITS.

Claims use since Apr. 16, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 488,277. MAYNARD H. MOORE, JR. INC., Stoneham, Mass. Filed Sept. 11, 1945.

ANCORBOND

FOR IMITATION LEATHER BINDINGS FOR COVERING THE EDGES OF THE INSOLES OF SHOES.

Claims use since May 25, 1939.

Ser. No. 498,979. CALLAWAY MILLS, La Grange, Ga. Filed Mar. 26, 1946.

CALLAWAY MILLS

No claim is made to the words "Callaway Mills" apart from the mark.

FOR TRIMMING SUITABLE FOR EDGING DRAPERIES AND SLIP COVERS, AND FOR OTHER SIMILAR TRIMMING PURPOSES.

Claims use since Mar. 1, 1946.

Ser. No. 499,604. AMERICAN GLOSSITE CO., INC., Putnam, Conn. Filed Apr. 4, 1946.

GLOSSITE

FOR HAT BRAIDS—STRAW AND SYNTHETIC.

Claims use since July 1943.

Ser. No. 499,605. AMERICAN GLOSSITE CO., INC., Putnam, Conn. Filed Apr. 4, 1946.

I V Y

FOR HAT BRAIDS—STRAW AND SYNTHETIC.
Claims use since Feb. 15, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 481,992. HERBERT J. HERIBERT, New York, N. Y. Filed Apr. 11, 1945.

LUPLEX

FOR PLASTIC COMPOSITION IN SHEET FORM TO BE USED FOR THE MANUFACTURE OF RAINWEAR, BABY PANTS, SHOWER CURTAINS AND SIMILAR PRODUCTS, BUT EXCLUDING PLASTIC TUBING.
Claims use since Sept. 1, 1944.

Ser. No. 496,685. BECK MANUFACTURING COMPANY, Grand Rapids, Mich. Filed Feb. 16, 1946.

Baby's Pride

The word "Baby's" is disclaimed apart from the mark.
FOR TOWELS AND WASH CLOTHS.
Claims use since Feb. 1, 1946.

Ser. No. 498,498. CANTOR-GREENSPAN CO., INC., New York, N. Y. Filed Mar. 19, 1946.

SPREE

FOR RAYON PIECE GOODS.
Claims use since January 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 495,484. JOSEPH P. LUSCRI, Cleveland, Ohio. Filed Jan. 26, 1946.

Nail VALET

No claim is made for the word "Nail" apart from the mark.
FOR SWABS USED FOR THE REMOVAL OF NAIL POLISH.
Claims use since Dec. 1, 1945.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 497,256. LIMPERT BROS., INC., Vineland, N. J., and New York, N. Y. Filed Feb. 26, 1946.

COCO-SYRO

The word "Coco" is disclaimed apart from the mark.
FOR CHOCOLATE SYRUP USED IN MAKING SOFT DRINKS.
Claims use since Feb. 6, 1942.

Ser. No. 501,989. K & R FRUIT PRODUCTS, INC., Upland, Calif. Filed May 13, 1946.

APRIORE

FOR CANNED ORANGE AND APRICOT BLEND OF JUICES FOR BEVERAGES PURPOSES.
Claims use since May 3, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 483,996. TWIN CITY WHOLESALE GROCER CO., St. Paul, Minn. Filed May 30, 1945.

Serv-well

Applicant is the owner of Reg. No. 251,443. The drawing is lined for red and gold colors.
FOR FOOD PRODUCTS—TO WIT, CANNED BLACKBERRIES, CANNED BLACK RASPBERRIES, CANNED RED RASPBERRIES, CANNED STRAWBERRIES, CANNED LOGANBERRIES, CANNED BOYSENBERRIES, CANNED BARTLETT PEARS, CANNED SLICED PEACHES, CANNED PEACHES IN HALVES, CANNED GRAPEFRUIT, CANNED TOMATOES, CANNED SOUR CHERRIES, CANNED SWEET CORN, CANNED PEAS, CANNED GREEN CUT BEANS, CANNED MASHED SWEET POTATOES, CANNED PUMPKIN, CANNED ASPARAGUS, CANNED WHOLE KERNAL CORN, CANNED TOMATO CATSUP, CANNED HOMINY, CANNED CUT WAXED BEANS, CANNED WHOLE WAXED BEANS, CANNED LIMA BEANS, CANNED RED KIDNEY BEANS, CANNED WHITE BEANS WITH PORK, CANNED TUNAFISH, AND CANNED SALMON.
Claims use since June 15, 1924.

Ser. No. 489,675. THE PHOENIX DATE COMPANY, Phoenix, Ariz. Filed Oct. 9, 1945.

SPHINX DATES

Applicant disclaims any right or claim to the word "Dates."
FOR FRESH DATES.
Claims use since Jan. 1, 1927.

Ser. No. 490,640. THE CHURNGOLD CORPORATION, Cincinnati, Ohio. Filed Oct. 29, 1945.

TOWN 'N COUNTRY

FOR SALAD DRESSING.
Claims use since Sept. 19, 1945.

Ser. No. 492,813. ARABAN COFFEE CO., INC., Boston, Mass. Filed Dec. 7, 1945.

Hotel Vendome

The word "Vendome" is disclaimed apart from the mark.
FOR FRENCH MAYONNAISE.
Claims use since February 1943.

Ser. No. 494,513. ROSS EDWARD MUFFLY, Redding, Calif. Filed Jan. 9, 1946.

ATOMIC

FOR POPCORN IN ITS NATURAL UNPOPPED STATE.
Claims use since Oct. 24, 1945.

Ser. No. 494,633. THE ROCKY FORD SEED AND COMMISSION CO., Rocky Ford, Colo. Filed Jan. 11, 1946.

ATOMIC

FOR POPCORN SOLD FOR POPPING.
Claims use since Aug. 1, 1945.

Ser. No. 495,350. WM. B. WALLACE, De Queen, Ark. Filed Jan. 24, 1946.

Queen of DE QUEEN

The geographical term "De Queen" is disclaimed apart from the mark.
FOR FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES.
Claims use since Sept. 1, 1938.

Ser. No. 495,612. LIBERTY FIG AND DATE COMPANY, Chicago, Ill. Filed Jan. 29, 1946.

LIBERTY FIG AND DATE CO. A.F.C.G. CHICAGO, ILLINOIS

Applicant disclaims the words "Fig and Date Co. Chicago, Illinois" apart from the mark.
FOR CONFECTIONERY FRUITS—NAMELY, CANDIED, DRIED, AND SUGARED FIGS, CHERRIES, DATES, PRUNES, AND PINEAPPLE.
Claims use since 1928.

Ser. No. 497,881. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Mar. 8, 1946.

Crystal Wedding Oats



Applicant is the owner of Reg. No. 377,825. The words "Oats," "Avena," and "de Cocimiento Rapido," are disclaimed apart from the mark.
FOR ROLLED OATS.
Claims use since July 1, 1945.

Ser. No. 499,633. KRAFT FOODS COMPANY, Chicago, Ill. Filed Apr. 4, 1946.

FLAV-O-WARD

FOR ROLLER DRIED BUTTERMILK MADE FROM SWEET CREAM.
Claims use since Mar. 30, 1939.

Ser. No. 499,634. KRAFT FOODS COMPANY, Chicago, Ill. Filed Apr. 4, 1946.

KRAFEN

FOR DRIED CHEESE WHEY.
Claims use since Mar. 30, 1930.

Ser. No. 499,635. KRAFT FOODS COMPANY, Chicago, Ill. Filed Apr. 4, 1946.

KRAFTEEN

FOR MILK FAT OBTAINED BY MECHANICAL SEPARATION FROM CREAM.
Claims use since November 1940.

Ser. No. 499,636. KRAFT FOODS COMPANY, Chicago, Ill. Filed Apr. 4, 1946.

KRAGEL

FOR STABILIZER FOR USE IN ICE CREAM MANUFACTURE.
Claims use since Jan. 31, 1941.

Ser. No. 499,637. KRAFT FOODS COMPANY, Chicago, Ill. Filed Apr. 4, 1946.

KRALEX

FOR NONFAT DRY MILK SOLIDS DRIED BY THE SPRAY PROCESS.
Claims use since Dec. 4, 1944.

Ser. No. 499,639. KRAFT FOODS COMPANY, Chicago, Ill. Filed Apr. 4, 1946.

MELOWARD

FOR NONFAT DRY MILK SOLIDS SPECIALLY PREPARED FOR USE IN SAUSAGE AND MEAT LOAF MANUFACTURE.
Claims use since Apr. 4, 1939.

Ser. No. 499,641. KRAFT FOODS COMPANY, Chicago, Ill. Filed Apr. 4, 1946.

"12-HI"

No claim is made to the exclusive use of the numeral "12" apart from the mark.
FOR BLEND OF BUTTERMILK FROM SWEET CREAM AND FRESH WHEY STANDARDIZED TO CONTAIN 12% MILK FAT ON A DRY BASIS AND DRIED BY THE ROLLER PROCESS.
Claims use since July 30, 1943.

Ser. No. 499,833. D. GHIRARDELLI CO., San Francisco, Calif. Filed Apr. 8, 1946.

D. Ghirardelli

The mark comprises a facsimile signature of the founder of applicant, Domingo Ghirardelli, deceased.
FOR GROUND CHOCOLATE, COCOA, AND CHOCOLATE SOLD IN THE FORM OF BARS AS CANDY AND FOR COOKING PURPOSES.
Claims use since October 1878.

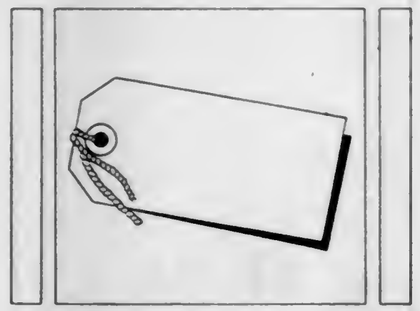
Ser. No. 499,892. GENERAL MILLS, INC., Minneapolis, Minn. Filed Apr. 9, 1946.

PYEQUICK

Applicant is the owner of trade-mark registrations Nos. 259,723 and 306,257.
FOR PREPARED PIE MIX.
Claims use since Apr. 5, 1946.

Ser. No. 500,526. CHARLES LEE DE BORD, doing business as Rural Retreat Mills, Johnson City, Tenn. Filed Apr. 19, 1946.

WHITE TAG



Exclusive right to the representation of a white tag, is not claimed except in association with the rest of the mark.
FOR WHITE FLOUR MADE FROM SOFT RED WINTER WHEAT.
Claims use since July 15, 1945.

Ser. No. 500,664. R. W. JONES CANNING CO., Arlington, Ind. Filed Apr. 22, 1946.

Nick O'Time

FOR CANNED VEGETABLES.
Claims use since Oct. 1, 1945.

Ser. No. 503,148. OLD SMOKEY SALES CO., Los Angeles, Calif. Filed May 28, 1946.

HOWDY-PAK

No claim is made to the word "Pak" apart from the mark.
FOR BARBECUE SEASONINGS—NAMELY, SPICED VINEGAR, GARLIC FLAVORED MUSTARD, AND FOOD SEASONING, CONTAINING GARLIC, SALT, PAPRIKA, AND PEPPER.
Claims use since May 17, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 484,378. TEXTILEATHER CORP., Toledo, Ohio. Filed June 9, 1945.

TEXTILCO

FOR COATED FABRICS AND RESINOUS SHEET MATERIAL IN THE NATURE OF ARTIFICIAL LEATHER.
Claims use since Jan. 15, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 15, 1946

424,584. CO-AXIAL CONTRA-ROTATING AIRCRAFT INCORPORATING A CYCLIC PHASE CONTROL METHOD AND TO INCLUDE ROAD-TRAVELLING HELICOPTERS. NATHANIEL B. WALES, JR., New York, N. Y.
Filed May 14, 1943. Serial No. 460,639. PUBLISHED JULY 16, 1946. Class 19.

424,585. GOCARTS. PAUL M. RESSINGER, doing business as Juvenile Health Products, Chicago, Ill.
Filed October 15, 1943. Serial No. 464,182. PUBLISHED JULY 16, 1946. Class 19.

424,586. WALL TOWEL RACK. BAR-K PRODUCTS COMPANY, Oakland, Calif.
Filed November 27, 1943. Serial No. 465,335. PUBLISHED JULY 23, 1946. Class 13.

424,587. WINES. MARCO IMPORTING CO., Chicago, Ill.
Filed March 22, 1944. Serial No. 468,523. PUBLISHED JULY 16, 1946. Class 47.

424,588. GASKET CEMENT. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed March 27, 1944. Serial No. 468,723. PUBLISHED JULY 23, 1946. Class 5.

424,589. OIL FILTER CARTRIDGES. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed March 27, 1944. Serial No. 468,734. PUBLISHED JULY 23, 1946. Class 31.

424,590. SEED, FLOWER, FRUIT, AND PLANT POTS, ALL MADE OF FLEXIBLE FIBROUS COMPOSITION MATERIAL, ETC. BIRD & SON, INC., East Walpole, Mass.
Filed April 10, 1944. Serial No. 469,185. PUBLISHED JULY 23, 1946. Class 2.

424,591. SEED, FLOWER, FRUIT, AND PLANT POTS, ALL MADE OF FLEXIBLE FIBROUS COMPOSITION MATERIAL, ETC. BIRD & SON, INC., East Walpole, Mass.
Filed April 10, 1944. Serial No. 469,186. PUBLISHED JULY 23, 1946. Class 2.

424,592. FIBROUS GLASS INSULATING MATERIALS COMPRISING HEAT AND SOUND INSULATION IN THE FORM OF FLEXIBLE SHEETS FORMED OF FIBROUS GLASS. GEORGE A. STONE, doing business as Tubular Weaving Company, Columbus, Ohio.
Filed April 13, 1944. Serial No. 469,313. PUBLISHED JULY 16, 1946. Class 12.

424,593. WHEELBARROWS, CARTS, AND WAGONS FOR HAND PROPULSION. THOMAS CARMICHAEL, doing business as Plycraft Products Mfg. Co., Centralia, Wash.
Filed May 19, 1944. Serial No. 470,406. PUBLISHED JULY 16, 1946. Class 19.

424,594. SERVING TRAYS OF PRESSED PLYWOODS, FIBERBOARDS OR SIMILAR COMPOSITIONS, JUVENILE OR CHILD'S FURNITURE—NAMELY, CHAIRS, TABLES, CHESTS, BEDS, AND LAP BOARDS FOR USE AS WRITING TABLES AND BOOK AND MAGAZINE SUPPORTS. KANGAROO, Columbus, Ohio.
Filed January 1, 1945. Serial No. 478,128. PUBLISHED JULY 23, 1946. Class 32.

424,595. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed January 1, 1945. Serial No. 478,137. PUBLISHED JULY 23, 1946. Class 1.

424,596. OIL AND GAS HOT WATER HEATERS AND BOILERS FOR USE IN STEAM HEATING SYSTEMS. B. I. J. STAMM, doing business as Kresno-Stamm Mfg. Co., New York, N. Y.
Filed April 3, 1945. Serial No. 481,679. PUBLISHED JULY 23, 1946. Class 34.

424,597. COAL STOKERS. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed April 21, 1945. Serial No. 482,432. PUBLISHED JULY 23, 1946. Class 34.

424,598. FUEL—NAMELY, COAL. GREAT LAKES COAL & DOCK CO., St. Paul, Minn.
Filed May 23, 1945. Serial No. 483,687. PUBLISHED JULY 23, 1946. Class 1.

424,599. WATCHES. COSA CORPORATION, New York, N. Y.
Filed June 13, 1945. Serial No. 484,483. PUBLISHED JULY 9, 1946. Class 27.

424,600. BUFFERS FOR LEG FILM—I. E., BUFFERS TO REMOVE EXCESS MAKE-UP AFTER IT HAS DRIED ON THE SKIN. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed June 28, 1945. Serial No. 485,118. PUBLISHED JULY 9, 1946. Class 29.

424,601. POROSITY FILTERS AND STRAINERS FOR USE IN SEPARATING WATER FROM GAS IN OXYGEN COMPRESSORS. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J.
Filed June 30, 1945. Serial No. 485,293. PUBLISHED JULY 23, 1946. Class 31.

424,602. EMPTY COMPACTS MADE OF BASE METALS, CARDBOARD, AND PLASTIC MATERIALS. NEW YORK MERCHANDISE CO., INC., New York, N. Y.
Filed July 28, 1945. Serial No. 486,431. PUBLISHED JULY 23, 1946. Class 2.

424,603. CANDY. E. J. BRACH & SONS, Chicago, Ill.
Filed August 17, 1945. Serial No. 487,165. PUBLISHED JULY 23, 1946. Class 46.

424,604. AGGREGATE, SUCH AS CRUSHED STONE, OR OTHER AGGREGATE, COATED WITH TAR, ASPHALT, OR OTHER BINDER, TO BE USED FOR ROAD BUILDING PURPOSES. THE CARTER-WATERS CORPORATION, Kansas City, Mo.
Filed August 18, 1945. Serial No. 487,241. PUBLISHED MARCH 19, 1946. Class 12.

424,605. TRACTOR AND TRUCK TRAILERS. NATIONAL TRADING COMPANY, INC., Hickory, N. C.
Filed August 25, 1945. Serial No. 487,567. PUBLISHED JULY 9, 1946. Class 19.

424,606. CIGARS. CONSOLIDATED CIGAR CORPORATION, New York, N. Y.
Filed September 5, 1945. Serial No. 487,993. PUBLISHED JULY 23, 1946. Class 17.

424,607. WHEEL BARROWS, BABY CARRIAGES, AND BICYCLES. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed September 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 488,422. PUBLISHED JULY 16, 1946. Class 19.

424,608. FRESH CITRUS FRUITS. CANOGA CITRUS ASSOCIATION, Canoga Park, Calif.
Filed October 8, 1945. Serial No. 489,561. PUBLISHED JULY 23, 1946. Class 46.

424,609. FOUNTAIN PENS AND FILLERS FOR FILLING LIQUID INK INTO FOUNTAIN PENS. BOL, LTD., New York, N. Y.
Filed October 9, 1945. Serial No. 489,646. PUBLISHED JULY 23, 1946. Class 37.

424,610. SAUCE FOR MEAT PRODUCTS. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed October 12, 1945. Serial No. 489,876. PUBLISHED JULY 23, 1946. Class 46.

424,611. SEMI-LIQUID ROOF COATING PRODUCTS FOR ELIMINATING LEAKS IN ROOFS AND PRESERVING ROOFS—NAMELY, ASBESTOS ROOF COATING, PRIMERS—NAMELY, UNDER COATERS AND PLASTIC CEMENT. PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex.
Filed October 16, 1945. Serial No. 490,031. PUBLISHED JULY 23, 1946. Class 12.

424,612. ALUMINUMWARE COOKING UTENSILS—NAMELY, PRESSURE SAUCEPANS, KETTLES, WAFFLE MOLDS, COFFEEPOTS, FRYING PANS, CASSEROLES, ROASTERS, GRIDDLES, AND BROILERS. NATIONAL ALUMINUM MANUFACTURING CO., Peoria, Ill.
Filed October 18, 1945. Serial No. 490,130. PUBLISHED JULY 23, 1946. Class 13.

424,613. WATCHES, WATCH CASINGS, AND PARTS OF WATCHES. MIDO SOCIETE ANONYME, Bienne, Switzerland.
Filed October 19, 1945. Serial No. 490,201. PUBLISHED JULY 16, 1946. Class 27.

424,614. CHILD'S GO-CART. PAUL E. LYON, Seattle, Wash.
Filed October 22, 1945. Serial No. 490,318. PUBLISHED JULY 16, 1946. Class 19.

424,615. SAUERKRAUT, WIENERS AND SAUERKRAUT, BARBECUE SPARERIBS AND SAUERKRAUT, AND SPARERIBS AND SAUERKRAUT PACKED IN GLASS AND TIN. ALLIED FOODS, Los Angeles, Calif.
Filed October 23, 1945. Serial No. 490,350. PUBLISHED JULY 23, 1946. Class 46.

424,616. AUXILIARY CLOSURES TO SEAL THE SPACE ABOUT A CARRIAGE RAIL ENTERING A REFRIGERATOR. C. BLUM, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio.
Filed October 26, 1945. Serial No. 490,523. PUBLISHED JULY 23, 1946. Class 31.

424,617. LUMBER. E. E. MCDONALD AND FRANK M. ZIEGLER, Lynwood, Calif.
Filed November 9, 1945. Serial No. 491,347. PUBLISHED JULY 23, 1946. Class 12.

424,618. LEATHER. MARTINEAU & BURKE LEATHER CORP., Boston, Mass.
Filed November 14, 1945. Serial No. 491,579. PUBLISHED JULY 23, 1946. Class 1.

424,619. PHOTO MASKING PAPER. RELIABLE PAPER COMPANY, Chicago, Ill.
Filed November 14, 1945. Serial No. 491,588. PUBLISHED JULY 23, 1946. Class 37.

424,620. TRAILERS. ROBIE GLENN ASHBURN, doing business as Granite Trailer Mfg. Co., Mount Airy, N. C.
Filed November 17, 1945. Serial No. 491,748. PUBLISHED JULY 16, 1946. Class 19.

424,621. SHOWER CURTAINS, AND MATCHING WINDOW DRAPES AND SHOWER CURTAINS SOLD TOGETHER AS A UNIT. PARA MANUFACTURING COMPANY, INCORPORATED, Newark, N. J.
Filed November 28, 1945. Serial No. 492,337. PUBLISHED APRIL 2, 1946. Class 13.

424,622. JEWELRY FINDINGS, AND JEWELRY MADE WHOLLY OR PARTLY OF PRECIOUS METALS—NAMELY, COLLAR BUTTONS, ETC. ERNEST H. AUGAT, Attleboro, Mass.
Filed December 12, 1945. Serial No. 493,097. PUBLISHED JULY 16, 1946. Class 28.

424,623. WATCHES AND CLOCKS, BOTH CASED AND UNCASED, AND PARTS THEREFOR. THE UNITED STATES TIME CORPORATION, Waterbury, Conn.
Filed December 19, 1945. Serial No. 493,575. PUBLISHED JULY 16, 1946. Class 27.

424,624. BUILDING PAPER. THE RICHKRAFT COMPANY, Chicago, Ill.
Filed December 22, 1945. Serial No. 493,828. PUBLISHED JULY 16, 1946. Class 12.

424,625. BUILDING PAPER. THE RICHKRAFT COMPANY, Chicago, Ill.
Filed December 22, 1945. Serial No. 493,829. PUBLISHED JULY 16, 1946. Class 12.

424,626. FINGER RINGS, EAR RINGS, PENDANTS, BRACELETS, AND CHOKERS, ALL MADE OF OR DESIGNED TO SIMULATE PRECIOUS OR SEMI-PRECIOUS METAL. H. C. MUSSELLS COMPANY, Oakland and Berkeley, Calif.
Filed December 26, 1945. Serial No. 493,892. PUBLISHED JULY 16, 1946. Class 28.

424,627. CORKBOARD INSULATION. ARMSTRONG CORK COMPANY, Manheim Township, Lancaster County, Pa.
Filed December 28, 1945. Serial No. 493,943. PUBLISHED JULY 16, 1946. Class 12.

424,628. TUYÈRES AND BLAST FURNACE PARTS—NAMELY, MONKEYS AND BOSH PLATES. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., and St. Louis, Mo.
Filed December 29, 1945. Serial No. 493,996. PUBLISHED JULY 16, 1946. Class 34.

424,629. ELECTRICAL APPLIANCES—NAMELY, FREEZERS AND REFRIGERATORS. CHAS. PENACHIO, doing business as Economy Freezer Supply Company, Cos Cob, Conn.
Filed December 29, 1945. Serial No. 494,114. PUBLISHED JULY 23, 1946. Class 31.

424,630. METALLIC CLIP-SPLINES USED IN CEILING AND WALL CONSTRUCTION. HAROLD L. FINCH, doing business as Finch Acoustical Materials Company, Davenport, Iowa.
Filed January 4, 1946. Serial No. 494,266. PUBLISHED JULY 16, 1946. Class 12.

424,631. MINERAL WATER AND CARBONATED BEVERAGES IN THE NATURE OF SOFT DRINKS. EL PARAISO DE PUREA, FUENTES TERMALES, S. A., Mexico City, Mexico.
Filed January 8, 1946. Serial No. 494,436. PUBLISHED JULY 16, 1946. Class 45.

424,632. CANNED MIXED VEGETABLE JUICES WHICH MAY BE SERVED COLD OR USED AS A SOUP PREPARATION. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed January 25, 1946. Serial No. 494,803. PUBLISHED JULY 23, 1946. Class 46.

424,633. SEATS FOR USE IN AIRCRAFT AND RAILROAD CARS. WARREN MCARTHUR CORPORATION, Bantam, Conn.
Filed January 22, 1946. Serial No. 495,203. PUBLISHED JULY 16, 1946. Class 19.

424,634. HOLLOW WARE, FLATWARE, AND SILVERWARE, MADE OF OR PLATED WITH PRECIOUS METAL. EDWARD PRILL & SONS, New York, N. Y., assignor to Prill Silver Company, Inc., New York, N. Y., a corporation of New York.
Filed January 26, 1946. Serial No. 495,500. PUBLISHED JULY 16, 1946. Class 28.

424,635. PYROPHORIC CIGAR AND CIGARETTE LIGHTERS. ANDREW P. SOWA, Waterbury, Conn.
Filed January 26, 1946. Serial No. 495,518. PUBLISHED JULY 23, 1946. Class 34.

424,636. COOK STOVES EMPLOYING GAS OR ELECTRICITY AS HEATING MEDIA AND STERILIZING CABINETS FOR KITCHEN USE. THE VENDO COMPANY, Kansas City, Mo.
Filed February 4, 1946. Serial No. 496,001. PUBLISHED JULY 16, 1946. Class 34.

424,637. POTABLE, DISTILLED SPIRITOUS BEVERAGES, PARTICULARLY WHISKEY. W. A. HALLER COMPANY, INC., Pittsburgh and Philadelphia, Pa.
Filed February 9, 1946. Serial No. 496,308. PUBLISHED JULY 16, 1946. Class 49.

424,638. WATCH BRACELETS. CHARLES SCHAEFFER, doing business as Schaeffer's, Cleveland, Ohio.
Filed February 9, 1946. Serial No. 496,336. PUBLISHED JULY 16, 1946. Class 28.

424,639. PNEUMATIC TIRE AND INNER TUBE REPAIR KITS. SUN OIL COMPANY, Philadelphia, Pa.
Filed February 9, 1946. Serial No. 496,350. PUBLISHED JULY 23, 1946. Class 35.

424,640. LAWN SPRINKLERS. HECKETHORN MANUFACTURING & SUPPLY CO., Littleton, Colo.
Filed February 11, 1946. Serial No. 496,381. PUBLISHED JULY 23, 1946. Class 13.

424,641. LAWN SPRINKLERS. HECKETHORN MANUFACTURING & SUPPLY CO., Littleton, Colo.
Filed February 11, 1946. Serial No. 496,382. PUBLISHED JULY 23, 1946. Class 13.

424,642. LAWN SPRINKLERS. HECKETHORN MANUFACTURING & SUPPLY CO., Littleton, Colo.
Filed February 11, 1946. Serial No. 496,383. PUBLISHED JULY 23, 1946. Class 13.

424,643. STORM SCREEN WINDOWS AND DOORS. THEODORE L. SMALLEY, doing business as Smalley Products Co., New London, Conn.
Filed February 14, 1946. Serial No. 496,581. PUBLISHED JULY 23, 1946. Class 12.

424,644. DIAMONDS. LAZARE KAPLAN & SONS, INC., New York, N. Y.
Filed February 16, 1946. Serial No. 496,710. PUBLISHED JULY 16, 1946. Class 28.

424,645. DIAMONDS. LAZARE KAPLAN & SONS, INC., New York, N. Y.
Filed February 16, 1946. Serial No. 496,711. PUBLISHED JULY 16, 1946. Class 28.

424,646. DIAMONDS. LAZARE KAPLAN & SONS, INC., New York, N. Y.
Filed February 16, 1946. Serial No. 496,713. PUBLISHED JULY 16, 1946. Class 28.

424,647. DIAMONDS. LAZARE KAPLAN & SONS, INC., New York, N. Y.
Filed February 16, 1946. Serial No. 496,714. PUBLISHED JULY 16, 1946. Class 28.

424,648. DIAMONDS. LAZARE KAPLAN & SONS, INC., New York, N. Y.
Filed February 16, 1946. Serial No. 496,716. PUBLISHED JULY 16, 1946. Class 28.

424,649. DIAMONDS. LAZARE KAPLAN & SONS, INC., New York, N. Y.
Filed February 16, 1946. Serial No. 496,717. PUBLISHED JULY 16, 1946. Class 28.

424,650. INCINERATORS. ERWIN J. WEGGEL, doing business as General Engineering Co., Bay City, Mich.
Filed February 16, 1946. Serial No. 496,743. PUBLISHED JULY 23, 1946. Class 34.

424,651. WHEAT PASTE. THE KEEVER STARCH COMPANY, Columbus, Ohio.
Filed March 6, 1946. Serial No. 497,719. PUBLISHED JULY 23, 1946. Class 5.

424,652. FILING CABINETS FOR STORING LETTERS, FILES, AND OTHER REFERENCE PAPERS. THE GENERAL FIREPROOFING CO., Youngstown, Ohio.
Filed March 12, 1946. Serial No. 498,059. PUBLISHED JULY 23, 1946. Class 32.

424,653. WHEAT FLOUR. THE WILLIAM KELLY MILLING CO., Hutchinson, Kans.
Filed March 19, 1946. Serial No. 498,527. PUBLISHED JULY 23, 1946. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

424,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, now by merger Pillsbury Mills, Inc., Minneapolis, Minn. Filed Mar. 12, 1943. Serial No. 459,052.

BESTSOY

FOR FEEDS CONTAINING SOY FOR POULTRY, HOGS, CATTLE, SHEEP, HORSES AND MULES, AND FOR SOY BEAN FLOUR FOR HUMAN CONSUMPTION.
Claims use since May 22, 1942 on animal feeds, and Jan. 27, 1943 on flour containing soy beans.

424,655. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Filed Apr. 3, 1943. Serial No. 459,591.

SELLAC

FOR SEALER FOR WOOD SURFACES TO BE VARNISHED, ENAMELED, AND/OR WAXED.
Claims use since Mar. 15, 1943.

424,656. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ROBERT D. MOORE, doing business as The Moore Company, Kansas City, Mo. Filed Jan. 12, 1944. Serial No. 466,509.

Moore

FOR ELECTRIC AND NON-ELECTRIC FANS FOR CIRCULATING AIR FOR HEATING AND VENTILATING PURPOSES AND ELECTRIC AND NON-ELECTRIC FANS FOR DELIVERING AIR TO COOLING TOWERS.
Claims use since Dec. 15, 1943.

424,657. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOFFMAN RADIO CORPORATION, Los Angeles, Calif. Filed Oct. 31, 1944. Serial No. 475,910.

Symphonic

FOR RADIO RECEIVING APPARATUS AND PARTS THEREOF.
Claims use since Oct. 7, 1944.

424,658. (CLASS 12. CONSTRUCTION MATERIALS.) PENN WORSTED COMPANY, Philadelphia, Pa. Filed Nov. 14, 1944. Serial No. 476,441.

NON-SHIFT

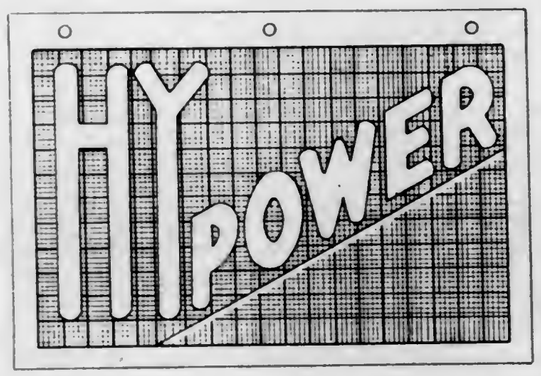
FOR FEATHER-FILLER LININGS FOR THE HEAT INSULATION OF STRUCTURAL BODIES.
Claims use since Oct. 31, 1944.

424,659. (CLASS 45. BEVERAGES, NONALCOHOLIC.) REFINED SYRUPS & SUGARS, INC., Yonkers, N. Y. Filed Feb. 14, 1945. Serial No. 479,809.

FLO-SWEET

FOR A SYRUP FOR FLAVORING AND SWEETENING OF SOFT DRINKS AND OTHER BEVERAGES
Claims use since Dec. 6, 1944.

424,660. (CLASS 19. VEHICLES.) THE MIDLAND STEEL PRODUCTS COMPANY, Cleveland, Ohio. Filed Feb. 17, 1945. Serial No. 479,944.



The accompanying drawing of the trade-mark represents a sheet of graph paper or a blueprint thereof having a blue background with white sub-division lines or blocks and with the word "Hy-Power" in white letters superimposed upon this blue background and white sub-division lines.
FOR COMBINED VACUUM-HYDRAULIC OR AIR-HYDRAULIC EQUIPMENT AND PARTS THEREFOR USED TO OPERATE OR ASSIST THE OPERATION OF BRAKES ON AUTOMOTIVE VEHICLES AND TRAILERS.
Claims use since Feb. 8, 1945.

424,661. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) RUBIN LEVINE & CO., New York, N. Y. Filed Feb. 23, 1945. Serial No. 480,138.

Milanette

FOR STRAW BRAID FOR MILLINERY PURPOSES AND FOR LADIES', MEN'S AND CHILDREN'S HATS.
Claims use since January 1945.

424,662. (CLASS 37. PAPER AND STATIONERY.) AGENCY PAPER COMPANY, New York, N. Y. Filed Mar. 9, 1945. Serial No. 480,689.

"Kuffies"

FOR PAPER SLEEVE AND CUFF PROTECTORS, PAPER ERASER SHIELDS AND A COMBINATION OF BOTH.
Claims use since Feb. 21, 1945.

424,663. (CLASS 47. WINES.) CRUSE & FILS FRERES, Bordeaux, France. Filed Mar. 22, 1945. Serial No. 481,178.

Cruse

FOR WINES.
Claims use since Dec. 16, 1941.

424,664. (CLASS 37. PAPER AND STATIONERY.) HERBERT J. DIETRICH, Upper Darby, Pa. Filed Mar. 24, 1945. Serial No. 481,271.

ART-TREND

FOR GIFT WRAPPING PAPERS.
Claims use since Mar. 16, 1945.

424,665. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE R. BOHN, Chicago, Ill. Filed Mar. 26, 1945. Serial No. 481,310.



FOR SHAMPOO.
Claims use since March 1943.

424,666. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE R. BOHN, Chicago, Ill. Filed Mar. 26, 1945. Serial No. 481,311.



FOR SHAMPOO.
Claims use since March 1943.

424,667. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) OLAF V. ANDERSON, doing business as Anderson Tool & Die Works, Providence, R. I. Filed Mar. 27, 1945. Serial No. 481,348.

ANSON

FOR MEN'S JEWELRY—NAMELY, TIE HOLDERS, COLLAR HOLDERS, TIE PINS, CUFF LINKS, WATCH CHAINS, KEY CHAINS, KEY RINGS, WATCH BANDS, AND BILL CLIPS, AND NOT INCLUDING WATCHES, ALL OF THE FOREGOING ARTICLES BEING MADE OR PLATED IN WHOLE OR IN PART WITH PRECIOUS METAL.
Claims use since July 1, 1945.

424,668. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) SCHIEFFELIN & CO., New York, N. Y. Filed Apr. 11, 1945. Serial No. 482,016.

Appleton Estate

FOR RUM.
Claims use since Aug. 3, 1944.

424,669. (CLASS 38. PRINTS AND PUBLICATIONS.) ALYSON E. SMITH, San Francisco, Calif. Filed May 24, 1945. Serial No. 483,745.

Pacific STOCKMAN
THE PRODUCERS LIVESTOCK MONTHLY

FOR MONTHLY PUBLISHED MAGAZINE DEVOTED TO LIVESTOCK RAISING AND KINDRED INTERESTS.
Claims use since November 1940.

424,670. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEN E. KEITH COMPANY, Fort Worth, Dallas, Longview, Wichita Falls, Abilene, and Lubbock, Tex. Filed May 26, 1945. Serial No. 483,826.

Fresh-from Keith's

FOR FRESH CITRUS AND DECIDUOUS FRUITS, FRESH VEGETABLES AND NUTS IN THEIR NATURAL STATE.
Claims use since Aug. 15, 1937.

424,671. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. GREGORY GORBY, Wilmington and Newport Beach, Calif. Filed June 19, 1945. Serial No. 485,739.

TERMINAL ISLAND

FOR CANNED FISH—NAMELY, TUNA.
Claims use since May 22, 1945.

424,672. (CLASS 2. RECEPTACLES.) TRAVER CORPORATION, Chicago, Ill. Filed July 2, 1945. Serial No. 485,383.

"ALL-SIZE"

FOR MERCHANDISE TUBING COMPOSED OF TRANSPARENT OR SEMI-TRANSPARENT HEAT SEALABLE MATERIAL.
Claims use since July 26, 1944.

424,673. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ARDEE PASTICS COMPANY, INC., New York, N. Y. Filed July 4, 1945. Serial No. 485,486.

My Own

FOR TOYS MADE OF PLASTIC MATERIAL—NAMELY, MIXING BOWL SETS, SALAD SETS, SERVING SETS, SAVINGS BANKS, TRAINS, COFFEE-MAKING SETS, DISHES, KNIVES, FORKS, AND SPOONS.
Claims use since January 1945.

424,674. (CLASS 48. MALT BEVERAGES AND LIQUORS.) HORLACHER BREWING COMPANY, Allentown, Pa. Filed July 9, 1945. Serial No. 485,573.



The drawing is lined for the color gold.
FOR BEER.
Claims use since May 31, 1945.

424,675. (CLASS 38. PRINTS AND PUBLICATIONS.) FROSTED FOOD FIELD INC., New York, N. Y. Filed Aug. 29, 1945. Serial No. 487,711.

FROSTED FOOD FIELD

The drawing is lined for shading only.
FOR A PERIODICAL CONTAINING INFORMATION PERTAINING TO THE FROZEN FOOD INDUSTRY.
Claims use since July 1945.

424,676. (CLASS 38. PRINTS AND PUBLICATIONS.) ZIFF-DAVIS PUBLISHING CO., Chicago, Ill. Filed Sept. 7, 1945. Serial No. 488,142.

RADIO & APPLIANCES

FOR A MAGAZINE AT PRESENT PUBLISHED MONTHLY CONTAINING ARTICLES OF INTEREST TO DEALERS IN RADIO AND RADIO APPLIANCES.
Claims use since July 20, 1945.

424,677. (CLASS 38. PRINTS AND PUBLICATIONS.) FEDERATION OF PAINT AND VARNISH PRODUCTION CLUBS, Philadelphia, Pa. Filed Sept. 11, 1945. Serial No. 488,260.

PAINT INDUSTRIES SHOW

FOR INFORMATION CIRCULARS RELATING TO EDUCATIONAL EXHIBITS HELD IN CONJUNCTION WITH CONVENTIONS PUBLISHED IRREGULARLY (ABOUT ONCE A YEAR).
Claims use since 1932.

424,678. (CLASS 39. CLOTHING.) LISLE MILLS, Allentown, Pa. Filed Sept. 24, 1945. Serial No. 488,910.

Lyl-Knit

FOR UNDERWEAR AND SWEATERS FOR MEN, WOMEN AND CHILDREN, BLOUSES FOR WOMEN AND CHILDREN, ROMPERS, SUITS, OVERALLS AND PLAYSUITS FOR INFANTS AND CHILDREN.
Claims use since 1939.

424,679. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BRITISH WEST INDIES CO., New York, N. Y. Filed Oct. 5, 1945. Serial No. 489,437.

Toni★Gay

FOR LADIES' PURSES, POCKETBOOKS AND HANDBAGS.
Claims use since Aug. 31, 1945.

424,680. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Oct. 23, 1945. Serial No. 490,372.

COSMETIC AND DRUG
Preview

FOR WEEKLY NEWSLETTER AND NEWSPAPER.
Claims use since Mar. 12, 1945.

424,681. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HARVEL WATCH COMPANY, New York, N. Y. Filed Nov. 3, 1945. Serial No. 491,007.

MULTI-GUARD

FOR WATCHES, WATCH-MOVEMENTS, WATCH-CASES, AND PARTS THEREOF.
Claims use since June 4, 1945.

424,682. (CLASS 27. HOROLOGICAL INSTRUMENTS.) J. LIPSCHUTZ & CO., New York, N. Y. Filed Nov. 3, 1945. Serial No. 491,021.

Lipton

FOR WATCHES AND WATCH MOVEMENTS.
Claims use since June 1, 1945.

424,683. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) BETTY SINGER, doing business as Joycraft Manufacturing Co., New York, N. Y. Filed Nov. 24, 1945. Serial No. 492,160.

"RIBNTRIMZ"

FOR DECORATIVE AND ORNAMENTAL TRIMS FOR ALL PURPOSES, AND MORE PARTICULARLY THE FOLLOWING: BANDS FOR WOMEN'S HATS, HEAD BANDS, HAT TRIMMINGS, DRESS TRIMMINGS, COAT TRIMMINGS, BLOUSE TRIMMINGS, HAIR TRIMMINGS, BELT TRIMMINGS, GLOVE TRIMMINGS, HAND BAG TRIMMINGS, DOG COLLARS FOR FEMININE WEAR, CHOKERS, COMB ORNAMENTS, THE LATTER THREE SIMULATING JEWELRY BUT NOT MADE OF JEWELS OR PRECIOUS METALS. UPHOLSTERY AND LAMP SHADE TRIMMINGS.
Claims use since Oct. 15, 1944.

424,684. (CLASS 45. BEVERAGES, NONALCOHOLIC.) KENNETH L. SCHOLFIELD, doing business as Wiley Beverage Company, Winfield, Kans. Filed Dec. 1, 1945. Serial No. 492,523.

WILEY'S

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since 1939.

424,685. (CLASS 39. CLOTHING.) GEORGE J. STRICKER, New York, N. Y. Filed Dec. 7, 1945. Serial No. 492,871.

HEAVY DUTY HEEL AND TOE WEARS WHERE IT WEARS

FOR HOSIERY.
Claims use since July 1944.

424,686. (CLASS 37. PAPER AND STATIONERY.) NOEL PAUL SCOFIELD, New York, N. Y. Filed Dec. 15, 1945. Serial No. 493,403.

PRINT SAVER

FOR PHOTOGRAPHIC RECORD CARDS.
Claims use since Aug. 23, 1945.

424,687. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Mar. 4, 1946. Serial No. 497,617.

ELECTRICAL WHOLESALING

FOR A MAGAZINE DIRECTED TO AND CONCERNING ELECTRICAL PRODUCTS.
Claims use since January 1932.

424,688. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JOHN C. RADER, doing business as Old Hickory Paddle Co., Danville, Ind. Filed Mar. 20, 1946. Serial No. 498,650.

OLD HICKORY

FOR DECORATIVE PADDLE.
Claims use since 1924.

TRADE-MARK REGISTRATIONS RENEWED

50,830. **REPRESENTATION OF THREE STACKED RIFLES.** AUTOMOBILES AND THEIR COMPONENT PARTS. Registered Apr. 3, 1906. THE BIRMINGHAM SMALL ARMS COMPANY LIMITED, Birmingham, England, a British company. Re-renewed Apr. 3, 1946. Class 19.

50,853. **LIVING MUSIC BOX.** SONG-BIRDS. Registered Apr. 3, 1906. MAX GEISLER. Re-renewed Apr. 3, 1946, to Max Geisler Bird Co., Omaha, Nebr., a partnership. Class 1.

51,802. **"BEAVER BRAND" ETC. AND DESIGN.** ALE AND STOUT. Registered Apr. 24, 1906. C. MACHEN & HUDSON, Liverpool, England. Re-renewed Apr. 24, 1946, to M. B. Foster & Sons, Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 48.

52,130. **"SOLITAIRE" AND DRAWING.** COFFEE. Registered May 1, 1906. THE C. S. MOREY MERCANTILE COMPANY. Re-renewed May 1, 1946, to The Morey Mercantile Company, Denver, Colo., a corporation of Colorado. Class 46.

52,414. **"P.P.P." ETC. AND DESIGN.** MACHINERY-PACKING. Registered May 8, 1906. CHAS. A. DANIEL. Re-renewed May 8, 1946, to Quaker Rubber Corporation, Philadelphia, Pa., a corporation of Pennsylvania. Class 35.

52,757. **"AMERICAN SILVER PLATE CO." ETC. AND DESIGN.** SILVER-PLATED HOLLOW WARE. Registered May 15, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a corporation of New Jersey. Re-renewed May 15, 1946. Class 28.

52,777. **IMPERIAL.** PIE-FILLINGS. Registered May 15, 1906. HUBERT C. GUTCHESS. Re-renewed May 15, 1946, to The H. C. Gutchess Co., Inc., Port Byron, N. Y., a corporation of New York. Class 46.

52,808. **"2" INCLOSED IN A CIRCLE.** TOOTH-BRUSHES. Registered May 15, 1906. FLORENCE MANUFACTURING COMPANY. Re-renewed May 15, 1946, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware. Class 29.

53,152. **PREMIUM.** GUTTA-PERCHA TOOTH-FILLING. Registered May 29, 1906. THE S. S. WHITE DENTAL MFG. CO., Philadelphia, Pa., Chicago, Ill., New York, Brooklyn and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia. Re-renewed May 29, 1946, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 44.

53,272. **LOCK-GRIP.** HOSE SUPPORTERS. Registered May 29, 1906. PIONEER SUSPENDER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed May 29, 1946. Class 39.

53,373. **3.** TOOTH-BRUSHES. Registered June 5, 1906. FLORENCE MANUFACTURING COMPANY. Re-renewed June 5, 1946, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware. Class 29.

53,374. **"1" AND DESIGN.** TOOTH-BRUSHES. Registered June 5, 1906. FLORENCE MANUFACTURING COMPANY. Re-renewed June 5, 1946, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware. Class 29.

53,525. **"PACKER'S CUTANEOUS CHARM" AND DESIGN.** TOILET AND MEDICINAL LOTIONS. Registered June 5, 1906. EDWARD A. OLDS, New York, N. Y. Re-renewed June 5, 1946, to Packers Tar Soap, Inc., New York, N. Y., and Mystic, Conn., a corporation of New York. Class 6.

53,546. **5 INCLOSED IN A HEART-SHAPED DESIGN.** TOOTH-BRUSHES. Registered June 5, 1906. FLORENCE MANUFACTURING COMPANY. Re-renewed June 5, 1946, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware. Class 29.

53,565. **PERFECTION.** POLISHING AND ABRADING STRIPS. Registered June 5, 1906. THE S. S. WHITE DENTAL MFG. CO., Philadelphia, Pa., Chicago, Ill., New York, Brooklyn and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg Russia. Re-renewed June 5, 1946, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 44.

53,674. **ACME.** WALL-PLASTER, PLASTER-OF-PARIS, CALCINED PLASTER, AND STUCCO. Registered June 12, 1906. ACME CEMENT PLASTER CO., St. Louis, Mo. Re-renewed June 12, 1946, to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland. Class 12.

53,799. **W. L. DOUGLAS.** LEATHER BOOTS AND SHOES. Registered June 12, 1906. W. L. DOUGLAS SHOE CO., Portland, Maine. Re-renewed June 12, 1946, to W. L. Douglas Shoe Company, Brockton, Mass., a corporation of Massachusetts. Class 39.

53,800. **PORTRAIT OF W. L. DOUGLAS.** LEATHER BOOTS AND SHOES. Registered June 12, 1906. W. L. DOUGLAS SHOE CO., Portland, Maine. Re-renewed June 12, 1946, to W. L. Douglas Shoe Company, Brockton, Mass., a corporation of Massachusetts. Class 39.

53,900. **"PARAGON" AND DRAWING.** UMBRELLA-FRAMES. Registered June 12, 1906. SAMUEL FOX & CO., LIMITED, Stocksbridge Works, near Sheffield, England. Re-renewed June 12, 1946, to Samuel Fox & Company Limited, Sheffield, England, a United Kingdom corporation. Class 41.

53,901. **PARAGON.** UMBRELLA-FRAMES OF METAL. Registered June 12, 1906. SAMUEL FOX & CO., LIMITED, Stocksbridge Works, near Sheffield, England. Re-renewed June 12, 1946, to Samuel Fox & Company Limited, Sheffield, England, a United Kingdom corporation. Class 41.

54,835. **ATLAS.** WATCH-MOVEMENTS AND WATCH-CASES. Registered July 31, 1906. LOUIS MANHEIMER & BROS., Chicago, Ill. Re-renewed July 31, 1946, to Louis Manheimer & Bros. Inc., New York, N. Y., a corporation of New York. Class 27.

55,063. **FLORELOID.** HAIR, CLOTHES, AND HAT BRUSHES. Registered Aug. 7, 1906. FLORENCE MANUFACTURING COMPANY. Re-renewed Aug. 7, 1946, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware. Class 29.

55,064. **6 WITHIN SQUARE DESIGN.** TOOTH-BRUSHES. Registered Aug. 7, 1906. FLORENCE MANUFACTURING COMPANY. Re-renewed Aug. 7, 1946, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware. Class 29.

55,363. **"A" AND DESIGN.** SILVER TABLEWARE, HOLLOW WARE, AND FLAT WARE. Registered Aug. 14, 1906. ALVIN MFG. CO., New York, N. Y. Re-renewed Aug. 14, 1946, to The Alvin Corporation, Providence, R. I., a corporation of New York. Class 28.

55,755. **SHREDDED CODFISH.** SHREDDED CODFISH. Registered Aug. 21, 1906. J. W. BEARDSLEY'S SONS, New York, N. Y. Re-renewed Aug. 21, 1946, to J. W. Beardsley's Sons, Newark, N. J., a corporation of New Jersey. Class 46.

56,118. "ANTELOPE" AND DRAWING. PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,119. "BEAR" AND DRAWING. PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,120. "BUFFALO" AND DRAWING. PAPER BAGS. Reg. Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,124. WINNER. PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,126. "ANCHOR" AND DRAWING. PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,189. "ELK" AND DRAWING. PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,190. "LION" AND DRAWING. PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,191. "MOOSE" AND DRAWING. PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,192. "TIGER" AND DRAWING. PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,193. UNION. PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,194. GIANT. PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,196. "PANTHER" AND DRAWING. PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,705. DAISY. CLOTHES-PINS. Registered Oct. 16, 1906. A. W. DODGE CLOTHESPIN MANUFACTURING COMPANY, Coudersport, Pa. Re-renewed Oct. 16, 1946, to The Wallace Corporation, St. Louis County, Mo., a corporation of Missouri. Class 24.

56,864. SIMON PURE. LARD. Registered Oct. 23, 1906. ARMOUR & COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Oct. 23, 1946. Class 46.

57,034. COLGATE'S. LIQUID AND POWDER PERFUMES. Registered Oct. 30, 1906. COLGATE & CO., New York, N. Y. Re-renewed Oct. 30, 1946, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 6.

57,035. COLGATE & CO. LIQUID AND POWDER PERFUMES. Registered Oct. 30, 1906. COLGATE & CO., New York, N. Y. Re-renewed Oct. 30, 1946, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 6.

57,157. SALVITÆ. MEDICAL COMPOUND FOR CERTAIN NAMED PURPOSES. Registered Nov. 6, 1906. AMERICAN APOTHECARIES COMPANY, New York, N. Y. Re-renewed Nov. 6, 1946, to American Apothecaries Company, Long Island City, N. Y., a corporation of New York. Class 6.

57,329. "MERIDEN B COMPANY" AND DESIGN. SILVER-PLATED HOLLOW WARE. Registered Nov. 13, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a corporation of New Jersey. Re-renewed Nov. 13, 1946. Class 28.

57,364. MINERS FRIEND. HIGH EXPLOSIVES. Registered Nov. 13, 1906. THE EASTERN DYNAMITE COMPANY, Kenvil, N. J. Re-renewed Nov. 13, 1946, to Atlas Powder Company, Wilmington, Del., a corporation of Delaware. Class 9.

57,421. ATLAS. HIGH EXPLOSIVES. Registered Nov. 13, 1906. THE EASTERN DYNAMITE COMPANY, Kenvil, N. J. Re-renewed Nov. 13, 1946, to Atlas Powder Company, Wilmington, Del., a corporation of Delaware. Class 9.

57,457. M. HOHNER. MOUTH-HARMONICAS. Registered Nov. 13, 1906. FIRM OF M. HOHNER. Re-renewed Nov. 13, 1946, to M. Hohner, Inc., New York, N. Y., a corporation of New York. Class 36.

57,458. HOLMES & EDWARDS. PLATED FLAT WARE FOR TABLE USE, INCLUDING KNIVES, FORKS, AND SPOONS. Registered Nov. 13, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a corporation of New Jersey. Re-renewed Nov. 13, 1946. Class 28.

57,470. REPRESENTATION OF AN ENGINE GOVERNOR. ENGINE-GOVERNORS. Registered Nov. 13, 1906. THE PICKERING GOVERNOR COMPANY, Portland, Conn., a corporation of Connecticut. Re-renewed Nov. 13, 1946. Class 23.

57,507. HOHNER. MOUTH-HARMONICAS. Registered Nov. 13, 1906. FIRM OF M. HOHNER. Re-renewed Nov. 13, 1946, to M. Hohner, Inc., New York, N. Y., a corporation of New York. Class 36.

57,508. ECHO. MOUTH-HARMONICAS AND ACCORDIONS. Registered Nov. 13, 1906. FIRM OF M. HOHNER. Re-renewed Nov. 13, 1946, to M. Hohner, Inc., New York, N. Y., a corporation of New York. Class 36.

57,509. XIV. PLATED FLAT-WARE FOR TABLE USE, INCLUDING KNIVES, FORKS, AND SPOONS. Registered Nov. 13, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a corporation of New Jersey. Re-renewed Nov. 13, 1946. Class 28.

57,519. "PIERCE'S" ETC. AND DESIGN. PILLS, PELLETS, OR GRANULES FOR THE CURE OF BILIOUSNESS. Registered Nov. 13, 1906. RAY V. PIERCE. Re-renewed Nov. 13, 1946, to Pierce's Proprietaries, Inc., Buffalo, N. Y., a corporation of New York. Class 6.

57,545. BANKERS LINEN. WRITING-PAPER. Registered Nov. 13, 1906. SOUTHWORTH COMPANY, Mittineague, Mass. Re-renewed Nov. 13, 1946, to Southworth Company, West Springfield, Mass., a corporation of Massachusetts. Class 37.

57,560. B S CO. PLATED FLAT-WARE FOR TABLE USE, INCLUDING KNIVES, FORKS, AND SPOONS. Registered Nov. 13, 1906. INTERNATIONAL SILVER COMPANY, Meriden, Conn., a corporation of New Jersey. Re-renewed Nov. 13, 1946. Class 28.

57,570. BANKERS. WRITING-PAPER. Registered Nov. 13, 1906. SOUTHWORTH COMPANY, Mittineague, Mass. Re-renewed Nov. 13, 1946, to Southworth Company, West Springfield, Mass., a corporation of Massachusetts. Class 37.

57,596. "MEYER'S MODEL" ETC. AND DESIGN. WHEAT-FLOUR. Registered Nov. 13, 1906. JOHN F. MEYER & SONS MILLING CO., St. Louis and Springfield, Mo. Re-renewed Nov. 13, 1946, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. Class 46.

57,613. "ALPINA" ETC. AND DESIGN. CHOCOLATE. Registered Nov. 13, 1906. SOC. AN. DES FABRIQUES BERNOISES & ZURICOISES DE CHOCOLAT LINDT & DE CHOCOLAT SPRÜNGLI, Kilchberg near Zürich, Switzerland. Re-renewed Nov. 13, 1946, to Lindt & Sprungli, Inc., New York, N. Y., a corporation of New York. Class 46.

57,616. WAGNER. WHISKY. Registered Nov. 13, 1906. JOHN WAGNER & SONS, Philadelphia, Pa., a firm. Re-renewed Nov. 13, 1946. Class 49.

57,618. "GRANDMOTHER'S" AND DRAWING. MINCEMEAT. Registered Nov. 13, 1906. WHIPPLE CO-OPERATIVE COMPANY. Re-renewed Nov. 13, 1946, to The Whipple Company, Natick, Mass., a Massachusetts trust. Class 46.

213,012. "TWISTED WORDAGRAMS". NEWSPAPER SECTION. Registered May 18, 1926. NEW YORK EVENING JOURNAL, INC. Renewed May 18, 1946, to Hearst Consolidated Publications, Inc., New York, N. Y., a corporation of Delaware. Class 38.

213,626. CONTROL-O-FORM. ALIGNING MACHINES FOR ALIGNING AND REGISTERING WEBS OF PAPER, ESPECIALLY SUPERPOSED WEBS HAVING PRINTED FORMS, FOR MAKING MANIFOLD COPIES. Registered June 1, 1926. GILMAN FANFOLD CORPORATION, LIMITED, Toronto, Ontario, Canada, and Niagara Falls, N. Y. Renewed June 1, 1946, to Moore Business Forms, Inc., Elmira and Niagara Falls, N. Y., a corporation of Delaware. Class 23.

214,135. HOME BAKER. BREAD AND PASTRY WHEAT FLOUR. Registered June 15, 1926. LEE & CADY, doing business as Bay City Grocer Co., Bay City, Mich. Renewed June 15, 1946, to Lee & Cady, Ferndale, Mich., a corporation of Michigan. Class 46.

214,432. WD-11. VACUUM TUBES. Registered June 22, 1926. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY. Renewed June 22, 1946, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Class 21.

214,433. WD-12. VACUUM TUBES. Registered June 22, 1926. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY. Renewed June 22, 1946, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Class 21.

214,768. KRO-BAT. TENNIS RACKETS. Registered July 6, 1926. A. G. SPALDING & BROS., New York, N. Y. Renewed July 6, 1946, to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware. Class 22.

214,799. ARKAY. CERTAIN NAMED BRUSHES, AND PAINTERS' AND STAIR DUSTERS. Registered July 6, 1926. PITTSBURGH PLATE GLASS COMPANY, RENNOUS-KLEINLE DIVISION, Baltimore, Md. Renewed July 6, 1946, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 29.

215,220. MODESS. SANITARY NAPKINS. Registered July 13, 1926. CHICOPEE MANUFACTURING CORPORATION, Chicopee Falls, Mass. Renewed July 13, 1946, to Personal Products Corporation, Milltown, N. J., a corporation of New Jersey. Class 44.

216,661. "PENN SEAL" ETC. AND DESIGN. MOTOR OILS, KEROSENE, GASOLINE, AND ILLUMINATING OILS. Registered Aug. 17, 1926. INDEPENDENT REFINING COMPANY. Renewed Aug. 17, 1946, to Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware. Class 15.

216,709. RITUDENSA. CONDENSER PAINTS. Registered Aug. 17, 1926. WAILES DOVE-HERMISTON CORP., New York, N. Y. Renewed Aug. 17, 1946, to Wailes Dove-Hermiston Corporation, Westfield, N. J., a corporation of New York. Class 16.

216,752. ALVIN. STERLING-SILVER FLATWARE, HOLLOW WARE, AND TOILET WARE, AND SILVER-PLATED FLATWARE. Registered Aug. 17, 1926. ALVIN SILVER CO., New York, N. Y. Renewed Aug. 17, 1946, to The Alvin Corporation, Providence, R. I., a corporation of New York. Class 28.

216,951. "R-B" AND DESIGN. SILICATE OF SODA. Registered Aug. 24, 1926. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Renewed Aug. 24, 1946, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 6.

217,250. HESCO-MEXICAN 67. UNPLATED BASE-ALLOY FLATWARE CONSISTING OF SPOONS, KNIVES, AND FORKS. Registered Aug. 31, 1926. INTERNATIONAL SILVER COMPANY, Meriden and Bridgeport, Conn. Renewed Aug. 31, 1946, to International Silver Company, Meriden, Conn., a corporation of New Jersey. Class 23.

217,406. FORBES SEEDS. SEEDS, BULBS, AND PLANTS. Registered Aug. 31, 1926. ALEXANDER FORBES & CO., Newark, N. J., a corporation of New Jersey. Renewed Aug. 31, 1946. Class 1.

217,472. WEDFORD. CERTAIN ACCESSORIES FOR AUTOMOBILES. Registered Aug. 31, 1926. WEDLER-SHUFORD CO., St. Louis, Mo., a corporation of Missouri. Renewed Aug. 31, 1946. Class 19.

218,920. KOA. WHEAT FLOUR. Registered Oct. 5, 1926. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Renewed Oct. 5, 1946. Class 46.

219,176. "REGINA" AND DRAWING. SALAMI DRY SAUSAGE. Registered Oct. 12, 1926. OMAHA PACKING COMPANY. Renewed Oct. 12, 1946, to Omaha Packing Company, Chicago, Ill., a corporation of Illinois. Class 46.

219,296. BANNOCK CHIEF. WHEAT FLOUR. Registered Oct. 12, 1926. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Renewed Oct. 12, 1946. Class 46.

219,358. BAMA. MAYONNAISE, PEANUT BUTTER, AND FRUIT IN SUGAR. Registered Oct. 19, 1926. ANC-CO PRESERVING CO. Renewed Oct. 19, 1946, to The Bama Company, Birmingham, Ala., a firm. Class 46.

219,366. PATSEAL. FILLER PRIMER PAINT. Registered Oct. 19, 1926. PATEK BROTHERS, INC., Milwaukee, Wis., a corporation of Wisconsin. Renewed Oct. 19, 1946. Class 16.

219,367. PARASILK. BARBERS' HEADREST PAPER, TOILET PAPER AND PAPER FOR LINING SHELVES, DRAWERS, AND FOR SIMILAR HOUSEHOLD PURPOSES. Registered Oct. 19, 1926. PAPER SPECIALTY COMPANY, Wausau, Wis., a corporation of Wisconsin. Renewed Oct. 19, 1946. Class 37.

219,396. AUNT SALLY'S. BREAD. Registered Oct. 19, 1926. GROCERS' BAKING COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed Oct. 19, 1946. Class 46.

219,449. NONPAREIL. WHEAT FLOUR. Registered Oct. 19, 1926. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Renewed Oct. 19, 1946. Class 46.

219,528. "W" WITHIN CIRCLE. FARD DATES. Registered Oct. 19, 1926. THE HILLS BROTHERS COMPANY, New York, N. Y., a corporation of New York. Renewed Oct. 19, 1946. Class 46.

219,529. **"H" AND DESIGN.** FARD DATES. Registered Oct. 19, 1926. THE HILLS BROTHERS COMPANY, New York, N. Y., a corporation of New York. Renewed Oct. 19, 1946. Class 46.

219,540. **"BELGARIA".** COARSE-FINISHED TWINES. Registered Oct. 19, 1926. HANOVER CORDAGE COMPANY, Hanover, Pa., a corporation of Pennsylvania. Renewed Oct. 19, 1946. Class 7.

219,541. **"WA-GO".** TUBE ROPE, JUTE WRAPPING TWINES, AND JUTE MILLERS' TWINES. Registered Oct. 19, 1926. HANOVER CORDAGE COMPANY, Hanover, Pa., a corporation of Pennsylvania. Renewed Oct. 19, 1946. Class 7.

219,542. **"YU-CHOW".** WALL-PAPER TWINE. Registered Oct. 19, 1926. HANOVER CORDAGE COMPANY, Hanover, Pa., a corporation of Pennsylvania. Renewed Oct. 19, 1946. Class 7.

219,575. **ZINSEP.** MEDICAL COMPOUND FOR THE TREATMENT OF STOMACH AND INTESTINAL DISORDERS. Registered Oct. 19, 1926. THE ZINSEP COMPANY, Kansas City, Mo. and Grand Island, Nebr. Renewed Oct. 19, 1946, to J. E. Brady, doing business as Union Pharmacal Company, Kansas City, Mo. Class 6.

219,604. **ROTAIRE.** ELECTRIC FANS. Registered Oct. 19, 1926. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY. Renewed Oct. 19, 1946, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Class 21.

219,791. **NABOB.** BABY CHICKS AND LIVE POULTRY. Registered Oct. 26, 1926. ULYSSES S. LYBARGER, doing business as Nabob Hatcheries and Poultry Co. and Nabob Seed and Plant Co. Renewed Oct. 26, 1946, to Dell M. Hathaway, doing business as Nabob Hatcheries and Poultry Company, Gambier, Ohio. Class 46.

219,908. **"BOTTLETOT" ETC.** DOLLS. Registered Oct. 26, 1926. AMERICAN CHARACTER DOLL CO., INC. Renewed Oct. 26, 1946, to American Character Doll Co., New York, N. Y., a firm. Class 22.

219,953. **"JABON TURCO" ETC. AND DRAWING.** SOAP. Registered Oct. 26, 1926. COLGATE & COMPANY. Renewed Oct. 26, 1946, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 4.

219,995. **"BEMIS TWINSAX" ETC. AND DRAWING.** PAPER BAGS. Registered Oct. 26, 1926. BEMIS BRO. BAG CO., St. Louis, Mo., and Peoria, Ill. Renewed Oct. 26, 1946, to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri. Class 2.

220,062. **MOUNTAIN KIST.** CHEESE AND BUTTER. Registered Nov. 2, 1926. THE FRINK CREAMERY COMPANY, Larkspur, Colo. Renewed Nov. 2, 1946, to The Frink Creamery Company, Denver, Colo., a corporation of Colorado. Class 46.

220,107. **STA-DRI.** TENTS, WAGON AND TRUCK COVERS, AND TARPAULINS. Registered Nov. 2, 1926. LITTLE ROCK TENT & AWNING COMPANY, Little Rock, Ark., a corporation of Arkansas. Renewed Nov. 2, 1946. Class 50.

220,144. **REPELEX.** NONCORROSIVE STEEL BALL AND SEAT FOR AN OIL-WELL WORKING-BARREL VALVE AND OIL-WELL PUMP VALVE. Registered Nov. 2, 1926. THE CHARLES N. HOUGH MANUFACTURING CO., Franklin, Pa., a corporation of Pennsylvania. Renewed Nov. 2, 1946. Class 13.

220,198. **R C.** CHAINS. Registered Nov. 2, 1926. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 2, 1946. Class 13.

220,199. **H.** CHAINS. Registered Nov. 2, 1926. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 2, 1946. Class 13.

220,207. **M R.** CHAINS. Registered Nov. 2, 1926. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 2, 1946. Class 13.

220,276. **WISCONSIN LAND O'LAKES.** BOND PAPER. Registered Nov. 9, 1926. GILBERT PAPER COMPANY, Menasha, Wis., a corporation of Wisconsin. Renewed Nov. 9, 1946. Class 37.

220,287. **"F. B. C." ETC. AND DRAWING.** SHOE DRESSINGS AND POLISHES. Registered Nov. 9, 1926. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del., Philadelphia, Pa., New York, N. Y., Boston, Mass., Rochester, N. Y., Chicago, Ill., and St. Louis, Mo. Renewed Nov. 9, 1946, to Amalgamated Leather Companies, Inc., Wilmington, Del., a corporation of Delaware. Class 4.

220,308. **RITE-DRESS.** HAIR TONIC. Registered Nov. 9, 1926. THE BUERGER BROTHERS SUPPLY COMPANY, Denver, Colo., a corporation of Colorado. Renewed Nov. 9, 1946. Class 6.

220,311. **THE DEBONAIR.** MEN'S SUITS AND OVERCOATS. Registered Nov. 9, 1926. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Nov. 9, 1946. Class 39.

220,344. **556.** WRITING PENS. Registered Nov. 9, 1926. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY. Renewed Nov. 9, 1946, to The Esterbrook Pen Company, Camden, N. J., a corporation of New Jersey. Class 37.

220,374. **WIZARD BELT STICK.** COMPOUND WHICH PREVENTS THE SLIPPING OF MACHINERY BELTS. Registered Nov. 9, 1926. RICHMOND BELT DRESSING MFG. CO., INC., Richmond, Va., a corporation of Virginia. Renewed Nov. 9, 1946. Class 4.

220,385. **MINNESOTA LANK OF LAKES.** BOND PAPER. Registered Nov. 9, 1926. PAPER SUPPLY COMPANY, INC., Minneapolis, Minn., a corporation of Minnesota. Renewed Nov. 9, 1946. Class 37.

220,425. **"MEYER GREENTREE" AND DRAWING.** CERTAIN ARTICLES OF CLOTHING FOR MEN, BOYS, AND CHILDREN. Registered Nov. 9, 1926. MEYER GREENTREE, Richmond, Va., a firm. Renewed Nov. 9, 1946. Class 39.

220,427. **GRAFILD.** TRANSMISSION, BRAKE, AND FRICTION LININGS FORMED OF TEXTILE YARN AND MOLDED PRODUCTS AND UTILIZED FOR TRANSMITTING A YIELDABLE TORQUE BETWEEN OR RESISTING RELATIVE MOVEMENT OF PARTS OF MECHANISM. Registered Nov. 9, 1926. WORLD BESTOS CORPORATION, Paterson, N. J., a corporation of Delaware. Renewed Nov. 9, 1946. Class 35.

220,476. **PORTRAIT OF T. H. BAREKMAN.** MEDICATED HEALING SALVE. Registered Nov. 9, 1926. THOMAS H. BAREKMAN, Paris, Ill. Renewed Nov. 9, 1946. Class 6.

220,479. **MADORA.** HOSIERY. Registered Nov. 9, 1926. SYNDICATE TRADING CO. Renewed Nov. 9, 1946, to Syndicate-Alliance Trading Co., Inc., New York, N. Y., a corporation of New York. Class 39.

220,679. **GRIP SAC.** TWINE, CORDAGE, AND THREAD FOR CLOSING BAGS. Registered Nov. 16, 1926. CHASE BAG CO., New York, N. Y., a corporation of Delaware. Renewed Nov. 16, 1946. Class 7.

220,695. **STANLEY.** MOTION PICTURES. Registered Nov. 16, 1926. STANLEY COMPANY OF AMERICA, Philadelphia, Pa., a corporation of Delaware. Renewed Nov. 16, 1946. Class 26.

220,698. **ORIZA-L-LEGRAND.** SOAPS. Registered Nov. 16, 1926. ORIZA L. LEGRAND, INC., Wilmington, Del., and New York, N. Y. Renewed Nov. 16, 1946, to Oriza, Ltd., New York, N. Y., a corporation of New York. Class 4.

220,706. **REPRESENTATION OF A DUCK.** MACHINE BELTING. Registered Nov. 16, 1926. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed Nov. 16, 1946. Class 35.

220,738. **TEGO SALT.** FLUXING MATERIAL FOR GALVANIZING AND TINNING. Registered Nov. 16, 1926. TH. GOLDSCHMIDT CORPORATION. Renewed Nov. 16, 1946, to Goldschmidt Chemical Corporation, New York, N. Y., a corporation of Delaware. Class 6.

220,754. **ULTRAX.** VULCANIZATION ACCELERATORS. Registered Nov. 16, 1926. THE WOLFF-ALPORT CHEMICAL CORPORATION, Brooklyn, N. Y., a corporation of New York. Renewed Nov. 16, 1946. Class 6.

220,755. **"BART'S CREAM BREAD" AND DESIGN.** BREAD. Registered Nov. 16, 1926. C. W. BART, doing business as Bart's Bakery, Savannah, Ga. Renewed Nov. 16, 1946. Class 46.

220,779. **"NAVY".** HEMP TARRED GOODS—NAMELY, MARLINE, YACHT MARLINE, HOUSELINE, SPUN YARN, RATLINE, ROUNDING, HAMBROLINE, AND SEIZING MADE FROM HEMP FIBER IMPREGNATED WITH PINE TAR. Registered Nov. 16, 1926. HANOVER CORDAGE COMPANY, Hanover, Pa., a corporation of Pennsylvania. Renewed Nov. 16, 1946. Class 7.

220,781. **ARMOR.** JUTE TARRED GOODS—NAMELY, MARLINE, HOUSELINE, SPUN YARN, AND RATLINE MADE FROM JUTE FIBER IMPREGNATED WITH PINE TAR. Registered Nov. 16, 1926. HANOVER CORDAGE COMPANY, Hanover, Pa., a corporation of Pennsylvania. Renewed Nov. 16, 1946. Class 7.

220,783. **TUFFITE.** NONMETALLIC PISTON RINGS FOR PUMPS, ENGINES, AND OTHER MACHINERY IN WHICH SUCH RINGS MAY BE EMPLOYED. Registered Nov. 16, 1926. STEWART R. BROWNE MANUFACTURING CO. INC., New York, N. Y., a corporation of New York. Renewed Nov. 16, 1946. Class 35.

220,795. **GOLDEN KEY.** SOAPS AND CLEANERS—VIZ., BORAX SOAP, WHITE NAPTHA SOAP, WHITE FLOATING SOAP, YELLOW LAUNDRY SOAP, SOAP FLAKES, WASHING POWDER, AND LAUNDRY TABLETS. Registered Nov. 16, 1926. THE GREAT AMERICAN TEA COMPANY, Brooklyn, N. Y. Renewed Nov. 16, 1946, to The Great American Tea Company, New York, N. Y., a corporation of New York. Class 4.

220,889. **DIVING GIRL.** CANNED SALMON. Registered Nov. 16, 1926. GUS. STRAND, doing business as Strand Fisheries and as Strand Pioneer Fisheries, Aberdeen, Wash. Renewed Nov. 16, 1946. Class 46.

220,912. **SUITEX.** COTTON PIECE GOODS. Registered Nov. 16, 1926. J. L. STIFEL & SONS. Renewed Nov. 16, 1946, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia. Class 42.

220,913. **CELANOL.** KNITTED, NETTED AND TEXTILE FABRICS MADE WHOLLY OR PRINCIPALLY OF CELLULOSE DERIVATIVES IN ADMIXTURE WITH COTTON, WOOL, SILK, OR ANY OTHER FIBER. Registered Nov. 16, 1926. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY LTD. Renewed Nov. 16, 1946, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Class 42.

220,914. **RUE DE LA PAIX.** PILE-FABRIC PIECE GOODS. Registered Nov. 16, 1926. J. B. MARTIN COMPANY, Norwich, Conn., a corporation of Delaware. Renewed Nov. 16, 1946. Class 42.

220,915. **GIOCONDA.** PILE-FABRIC PIECE GOODS. Registered Nov. 16, 1926. J. B. MARTIN COMPANY, Norwich, Conn., a corporation of Delaware. Renewed Nov. 16, 1946. Class 42.

220,916. **APHRODITE.** PILE-FABRIC PIECE GOODS. Registered Nov. 16, 1926. J. B. MARTIN COMPANY, Norwich, Conn., a corporation of Delaware. Renewed Nov. 16, 1946. Class 42.

220,924. **CARMEN.** PILE-FABRIC PIECE GOODS. Registered Nov. 16, 1926. J. B. MARTIN COMPANY, Norwich, Conn., a corporation of Delaware. Renewed Nov. 16, 1946. Class 42.

222,344. **"ERUSTICATOR" ETC. AND DRAWING.** CHEMICAL PREPARATIONS FOR REMOVING RUST STAINS AND OTHER STAINS FROM FABRICS AND OTHER SUBSTANCES. Registered Dec. 28, 1926. STERLING PRODUCTS COMPANY, Easton, Pa. Renewed Dec. 28, 1946, to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 6.

REISSUES

OCTOBER 15, 1946

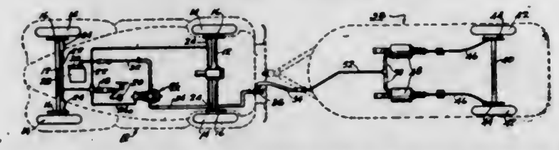
22,802

BRAKING SYSTEM

Henry Baade, Ypsilanti, Mich., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Original No. 2,215,602, dated September 24, 1940, Serial No. 187,905, January 31, 1938. Application for reissue July 25, 1941, Serial No. 404,057

17 Claims. (Cl. 188—3)



14. A combination braking system comprising pressure operated brakes, hydraulic means for creating brake applying pressure, differential air pressure means for creating brake applying pressure, a source of differential air pressure, a connection between said source and said differential air pressure means, a valve in said connections adapted to control the opening and closing of said connection, and means responsive to the pressure in the hydraulic means for actuating said valve.

22,803

FLAME CULTIVATION OF PLANTS

Price C. McLemore, Waugh, Ala.

Original No. 2,369,154, dated February 13, 1945, Serial No. 442,206, May 8, 1942. Application for reissue February 11, 1946, Serial No. 646,729

47 Claims. (Cl. 47—1)



46. Means attachable to a vehicle adapted to travel along plant rows for cultivating the same by the flame method comprising an attachment for connection to the vehicle, an arm swingingly connected at the upper end on said attachment, a ground engaging element at the lower end of said swinging arm, and a burner carried by said arm crosswise thereof near said lower end.

22,804

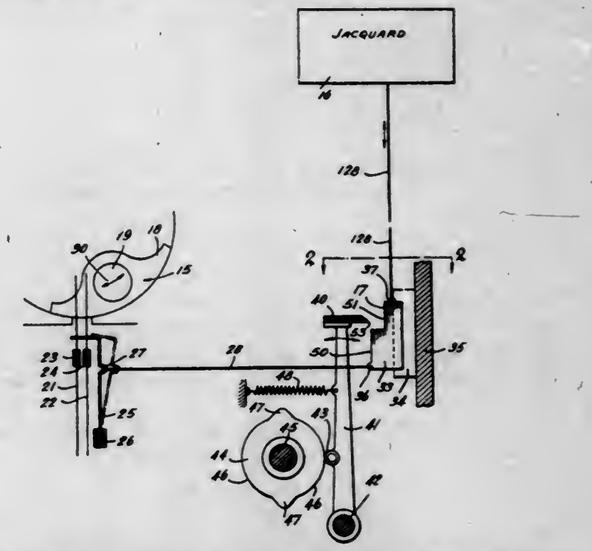
JACQUARD COMPENSATING MEANS

Jonas Robinson, Clarke Summit, Pa.

Original No. 2,386,574, dated October 9, 1945, Serial No. 448,527, June 26, 1942. Application for reissue December 29, 1945, Serial No. 638,499

10 Claims. (Cl. 87—14)

1. In combination with a textile machine of the type having a plurality of thread-actuating elements and a Jacquard having pulling elements for operating said thread-actuating elements, and elongated connecting elements having ends attached to said pulling elements; a device for compensating for the expansion and contraction of said connecting elements, said device comprising other connecting elements connected to said thread-actuating elements and means connecting the first-mentioned connecting elements with the second-mentioned connecting elements and substituting a pulling force transmitted by a pulling element to a first-mentioned connecting element



by a smaller pulling force transmitted by a second-mentioned connecting element to a thread-actuating element, and by another force which is not transmitted to the second-mentioned connecting element and which may compensate for an extension or contraction of the first-mentioned connecting elements.

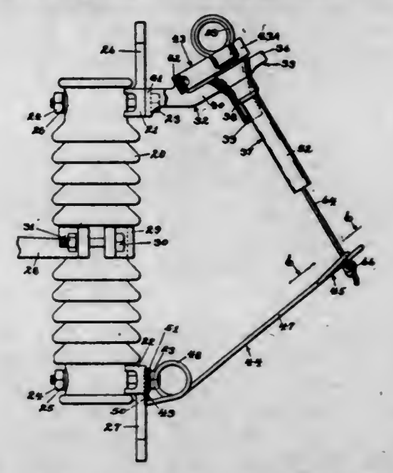
22,805

FUSE DEVICE

William O. Schultz, South Milwaukee, and Alwin G. Steinmayer, Shorewood, Wis., assignors to Line Material Company, Milwaukee, Wis., a corporation of Delaware

Original No. 2,295,015, dated September 8, 1942, Serial No. 386,779, April 4, 1941. Application for reissue January 11, 1946, Serial No. 642,458

14 Claims. (Cl. 200—114)



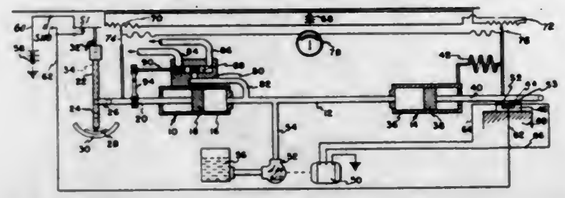
10. A fuse device comprising an insulator support, spaced conductor arms carried by said support, one of which is resilient and normally biased away from the other, a sleeve-like fuse

cartridge open at one end and provided with a terminal means at the other end, said means being adapted to removably support said cartridge solely on said other arm, a fuse link carried by said cartridge, one end of which extends from said open end of said cartridge and is attached in direct mechanical and electrical engagement with said resilient arm, whereby said link is biased in said cartridge and electrically connects said arms, said fuse cartridge sleeve having said other end formed into an extension connected to the sleeve and engageable by a stick or the like for pulling the cartridge, link, and resilient arm toward said other arm whereby the closed end of the cartridge sleeve may be retainingly and directly engaged with said other arm and said resilient arm thus placed under link biasing tension.

PATENTS

GRANTED OCTOBER 15, 1946

2,409,175
HYDRAULIC SYSTEM
Arben H. Adams and Theodore S. Tucker, North Hollywood, Calif., assignors, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 19, 1942, Serial No. 462,614
12 Claims. (Cl. 60—54.5)



4. In a fluid actuating system including driving means, driven means, a fluid connection between the same; an indexing valve connected to said system and actuated by said driving means to connect said system to pressure at one extreme of movement of said driving means and connect said system to exhaust at the other extreme of movement of said driving means.

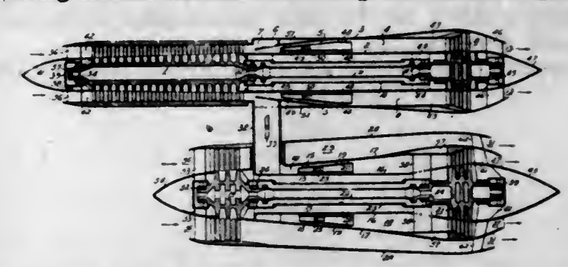
2,409,176
GAS TURBINE SYSTEM
Robert C. Allen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 10, 1942, Serial No. 438,367
5 Claims. (Cl. 60—35.6)



2. A jet propulsion unit comprising fluid compressing means having a forwardly facing inlet, a gas turbine axially spaced from and drivingly connected with the discharge end of said fluid compressing means, means forming an axially extending combustion chamber interposed between and connecting the discharge end of said compressing means with the inlet to said turbine, propelling jet forming nozzle means, and means severally connecting the exhaust of said turbine and said combustion chamber with said nozzle means.

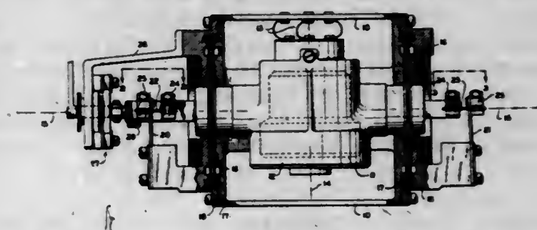
2,409,177
JET PROPULSION APPARATUS
Robert C. Allen and John T. Rettaliata, Wauwatosa, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 1, 1942, Serial No. 437,162
9 Claims. (Cl. 60—35.6)

1. A jet propulsion unit comprising a high pressure compressing means, a gas turbine drivingly connected with said high pressure compressing means, a low pressure compressing means, another gas turbine drivingly connected with said low pressure compressing means, means including combustion chambers connecting the discharge of said high pressure compressing means with the inlets of said turbines, and jet forming nozzle means receiving the exhaust gases



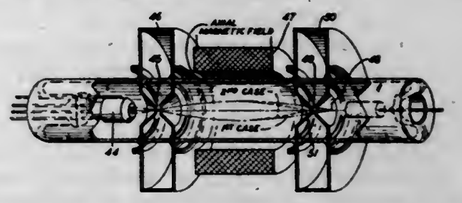
from said turbines and the air discharged from said low pressure compressing means.

2,409,178
MOUNTING MEANS FOR GYROSCOPES
Byron L. Allison, Williston Park, N. Y., and Lan J. Wong, Hoboken, N. J., assignors to Sperry Gyroscope Company, Inc., a corporation of New York
Application June 30, 1943, Serial No. 492,866
8 Claims. (Cl. 248—26)



1. Means for mounting the rotor frame of a gyroscopic instrument in the casing thereof comprising a cantilever spring having one end thereof fixed to the casing, and a pair of axis-defining torsion wires fixed to opposite sides of the frame, one of which is connected to the free end of the cantilever spring and the other of which is fixed to the casing.

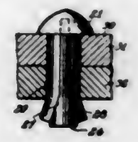
2,409,179
ELECTRON BEAM RELAY
Alva Eugene Anderson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1941, Serial No. 421,736
2 Claims. (Cl. 315—5)



1. Means for producing and maintaining a beam of moving electrically charged particles, an internally resonant hollow conductive body having an aperture in the path of said beam, means for bringing said beam to a substantial focus at a point near said aperture and means to vary the position of said focal point with reference to said aperture while maintaining the beam current substantially steady, said aperture being sufficiently large compared with the trans-

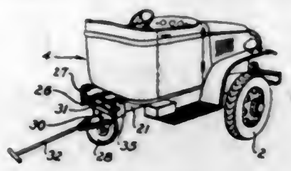
verse dimensions of the beam to freely pass substantially the whole beam throughout the normal range of variation of the position of said focal point.

2,409,180
FASTENING DEVICE
Charles E. Annett, 2d, and Malcolm Armstrong, Short Hills, N. J.; said Armstrong assignor to said Annett
Application March 21, 1944, Serial No. 527,390
11 Claims. (Cl. 85—38)



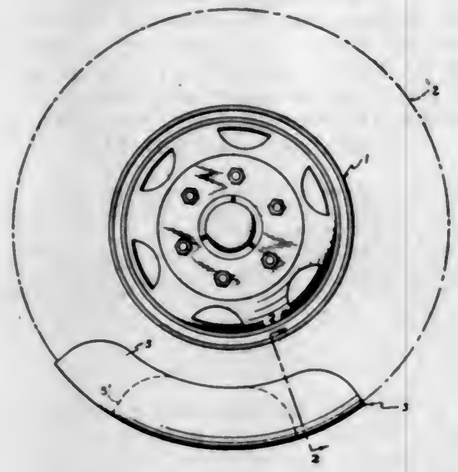
1. A fastening device, comprising a cylindrical shank rivet element having a diametral kerf of predetermined depth extending inwardly from one end, and a flat drive-pin element adapted to fit the kerf and provided at one end with a relatively thin flange affording a flat contact shoulder extending laterally from an edge thereof beyond the periphery of the shank and at the opposite end terminating in enlarged portions receding to the respective faces of the pin element, the distance from the junction of a said receding portion with the corresponding face to the shoulder of the flange being substantially less than the depth of the kerf of the rivet element, whereby when the two elements are telescoped the outer ends of the rivet element will be deflected through contact with the respective receding portions of the pin element.

2,409,181
AIRBORNE CARGO TRUCK
Ronald D. Bagley, Indiana, Pa., and Joseph E. Berman, Suffolk, Va.
Application September 19, 1944, Serial No. 554,828
1 Claim. (Cl. 180—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A self-powered cargo vehicle having front and rear wheeled parts and being adapted to be disassembled into sections small enough and mobile enough to be stowed without hoist machinery through conventional cargo loading doors of airplane cargo carriers; comprising a chassis having a main longitudinal frame formed in longitudinally discrete parts separable to divide the vehicle into a wheeled rear pay load unit and a steering wheeled forward locomotive and control unit including a power plant permanently operatively connected to the wheels thereof, separable means interconnecting the two said units in rigid mutual relation, and a dolly at, and in supporting relation to, the rear end of said frame part of the locomotive and control unit, said dolly including a manually dirigible wheel and a hand tongue for turning the wheel around a vertical axis, means being included to fix the dolly releasably to the said frame part of the locomotive unit.

2,409,182
TIRE SHOE
George Arthur Barker, Rochester, N. Y.
Application July 12, 1943, Serial No. 494,321
2 Claims. (Cl. 152—151)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



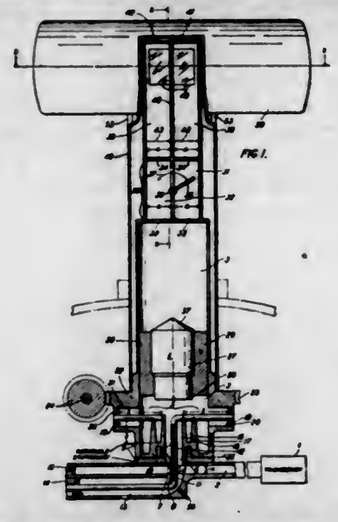
1. In combination, a pneumatic tire adapted to support a predetermined normal load and when stationary upon the ground adapted to be temporarily deformed by a series of downwardly directed impacts by said load, said downward impacts by said load being transmitted to the ground through a sector of the tire engaging the ground and said temporary deformation consisting of the tire being compressed substantially in a radial direction to vary progressively the length of contact between the periphery of the sector engaging the ground and the ground itself and to bulge laterally the tire side walls joining said sector, an anti-bounce shoe engaging the same circumferentially and continuously thereof a distance substantially equal to the maximum length of the peripheral ground contact during said impacts, said shoe comprising a bottom wall having a smooth ground-contacting surface and straight side walls connected thereto, said bottom wall being concentric with the periphery of, and said side walls being spaced apart a distance substantially equal to the widest part of, said tire when under said normal load and not temporarily deformed by said impacts, said widest part being measured along a line taken transversely through the tire and parallel to the axis of rotation thereof, whereby said shoe is secured to said tire solely by friction to restrain said tire during said impacts from being temporarily deformed and thereby substantially reduce radial compression and thus bounce of the tire during the impacts.

2,409,183
MICROWAVE ANTENNA
Alfred C. Beck, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 19, 1942, Serial No. 455,322
12 Claims. (Cl. 250—11)

1. An antenna system comprising a pair of wave guides each having a separate aperture for emitting and collecting radiant energy, a concave reflector facing the separate apertures and having a focus positioned between said apertures.

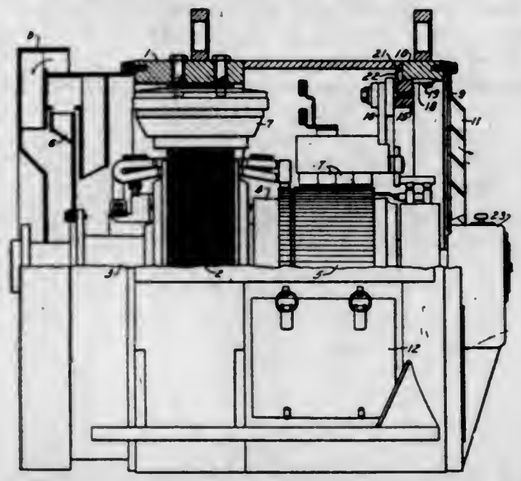
2. An antenna lobe switching system comprising a concave reflector having a finite focus, a pair of antenna elements equally spaced from said

focus, each of said elements comprising a wave guide having an aperture facing said reflector,



and means for alternately connecting a transceiver to said guides.

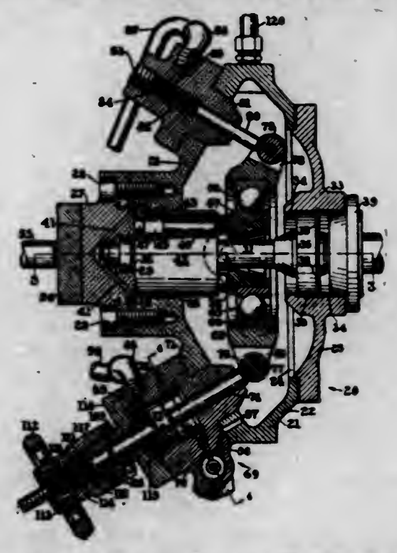
2,409,184
GENERATOR CONSTRUCTION
Anthony J. Berneski, Latrobe, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 3, 1945, Serial No. 580,879
1 Claim. (Cl. 171—324)



A commutator-type dynamo-electric machine having a frame having a front frame-ring and a removable front endbell, and a rotor-member having a commutator, said frame having a rocker-ring fitting within the inner periphery of said front frame-ring, a brush assembly carried by said rocker-ring, a plurality of removable segments removably secured to the inner periphery of said front frame-ring in position to provide abutments for said rocker-ring, and clamps engaging the opposite face of said rocker-ring and tightenable to clamp said rocker-ring against said abutment-segments.

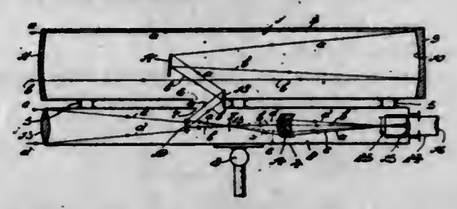
2,409,185
HYDRAULIC APPARATUS
Victor V. Blasutta, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application June 19, 1943, Serial No. 491,474
11 Claims. (Cl. 121—62)

3. A motor actuated by fluid pressure comprising a casing having inlet and outlet ports; a cylinder barrel supported for rotation in said casing with the cylinders thereof alternately communicating with said inlet and outlet ports; piston means disposed for movement in said cylinders; thrust means engaging said pistons; means in said casing supporting said thrust means for movement to vary the angular relation thereof to said pistons; and means for automatically controlling the angularity of said thrust means in response to pressure variations in said inlet port, said control means having a body with a cylinder



therein; control piston means dividing said cylinder into a pair of chambers having limited communication with one another; means transmitting movement from said piston means to said thrust means; means connecting one of said chambers with the port having the variable pressures; passage means connecting the other chamber with a low pressure line; and means responsive to the pressures in said inlet port to control fluid flow through said last mentioned passage means.

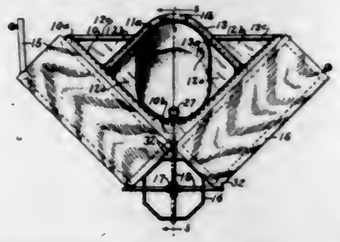
2,409,186
TELESCOPE SYSTEM
Albert Bouwers, Eindhoven, Netherlands; vested in the Alien Property Custodian
Application December 24, 1942, Serial No. 470,090
In the Netherlands February 13, 1941
6 Claims. (Cl. 88—32)



1. A spyglass system comprising a greatly magnifying telescope and a finder, each including a casing and an optical system arranged therein, said casings being secured together with their axes parallel and provided with apertures in alignment with each other, said telescope including a spherical mirror and a correction element therefor spaced from said mirror, a mirror system including a fixed mirror arranged in the telescope in spaced relationship to the wall of the casing and near the aperture therein, a fixed mirror at said aperture, and a movable mirror adapted to be moved into and out of the optical axis of the finder and to be so positioned therein as to cover only part of the field of view and to cooperate with the fixed mirrors of the mirror system in focusing the image from the telescope

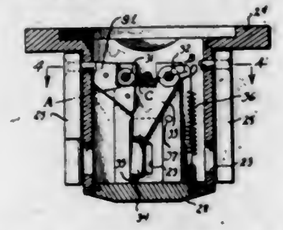
into the focal field of the finder to be viewed by the single ocular of the finder, whereby the finder image and the telescope image may be viewed simultaneously and separately.

2,409,187
SHAMPOO CABINET COMBINATION
John Henry Bower, Burlingame, Calif.
Application July 26, 1943, Serial No. 496,226
2 Claims. (Cl. 4—159)



1. In a compartmental shampoo-unit, the combination of two supporting shelves, a high rear wall that comprises two complemental rearwardly converging wall-sections whose lower portions are united respectively with said supporting shelves, a shampoo-basin between said shelves and having its top portions united with said shelves while its front portion is forwardly tapering and upwardly inclined and terminates in an upwardly concaved relatively narrow neck-support at a considerable distance in front of said shelves, and two relatively low rearwardly diverging walls having their front ends united with opposite sides of said concave relatively narrow neck-support while their rear ends are united respectively with said rearwardly converging wall-sections of the rear wall and while their intermediate portions are across and united with the respective shelves and divide the latter into compartments for separately holding and supporting various materials and implements in convenient positions for ready use of a shampoo-operator when shampooing the head of a person whose neck is in said neck-support.

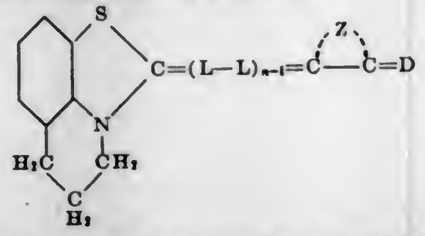
2,409,188
ERECTION CONTROLLING DEVICE FOR GYROSCOPES
Frederick D. Braddon, Babylon, and Spencer Kellogg, 2d, Rye, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 7, 1941, Serial No. 405,740
16 Claims. (Cl. 74—5)



1. In a gyro-vertical having a rotor bearing case, means for universally supporting said case on horizontal axes, air jet means for erecting said case and gravitationally responsive means for controlling the erecting effort of the same, a second gravitationally responsive means, a spring balancing said last-named means in a normal inoperative position against the force of gravity, and adapted to be moved by an increase in the total force thereon to block temporarily said air jet erecting means.

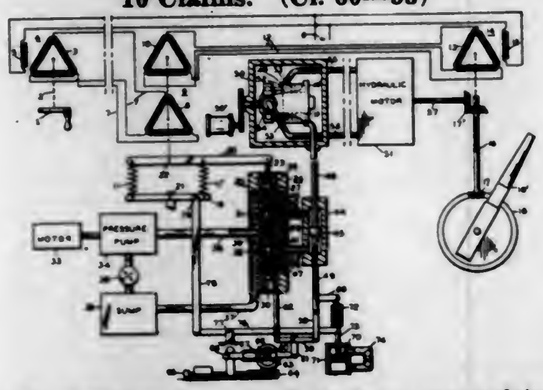
2,409,189
MEROCYANINE DYES
Leslie G. S. Brooker, Rochester, N. Y., and Homer W. J. Cressman, Glenside, Pa., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application September 1, 1942, Serial No. 456,927. Divided and this application April 27, 1945, Serial No. 590,716
7 Claims. (Cl. 260—240)

1. The merocyanine dyes which are represented by the following general formula:



wherein D represents a member selected from the group consisting of oxygen and sulfur, L represents a methine group, *n* represents a positive integer of from 2 to 3 and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus containing from 5 to 6 atoms in the ring.

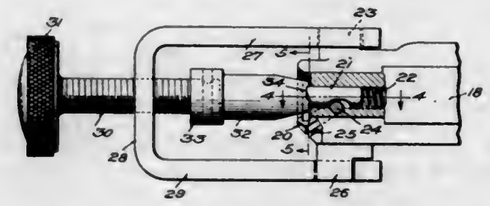
2,409,190
REMOTE CONTROL SYSTEM
Gordon S. Brown, Wellesley Hills, Mass., and Jay W. Forrester, Anselmo, Nebr., assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., North Hempstead, N. Y., a corporation of New York
Application September 20, 1941, Serial No. 411,670
10 Claims. (Cl. 60—53)



1. A positional control system comprising a controlling object, a controlled object, a variable speed drive for actuating the controlled object, error-measuring means responsive to differences in position between controlled and controlling objects for generating an error signal as a function of said disagreement, an amplifier having its output in control of the variable speed drive and having its input connected to the error-measuring means, and a regenerative feedback connection from the amplifier output to the amplifier input, said feedback connection including means for delaying transmission to the input of the effect of changes in the output.

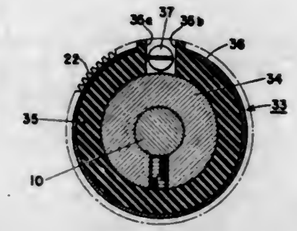
2,409,191
FIREARM BOLT TOOL
Joseph M. Brown, Philadelphia, Pa.
Application August 12, 1944, Serial No. 549,248
3 Claims. (Cl. 29—259)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a tool for aiding disassembly and reassembly of a firearms bolt which has opposing side lugs plus an ejector protruded from one end by an internal spring plus an extractor including a shaft transversely extended through said bolt to limit said ejector's protrusion by blocking the full force of said spring, the combination of a frame having a pair of side members one of which has an opening bounded by member material on all four sides whereby initially to engage one of said bolt lugs when same is inserted endwise thereinto and the other of which has a corresponding opening bounded by member material on three sides only whereby engagedly to receive the other of said bolt lugs when same is subsequently slid sidewise thereinto, an end web member securing said two side members to



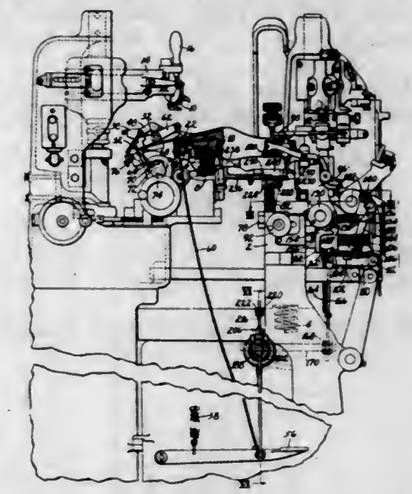
each other in fixed spaced apart relation whereby those members snugly accommodate said firearms bolt therebetween when said bolt lugs are engaged in the side member openings as aforesaid and having a web opening aligned substantially with the axis of said bolt's extractor when the bolt lugs are thus engaged, a screw-down shaft threaded into said web opening and having a hand grip through which rotation may be imparted thereto, and means on the inner end of said screw-down shaft engageable with said bolt's ejector whereby advance turning of the shaft pushes the ejector into the bolt against said spring and by thus removing all spring force from said extractor shaft frees same for removal from or reinsertion into the bolt.

2,409,192
TUNING DEVICE CLUTCH
Arthur A. Collins, Cedar Rapids, Iowa, assignor to Collins Radio Company, a corporation of Iowa
Application April 21, 1943, Serial No. 483,899
2 Claims. (Cl. 64—30)



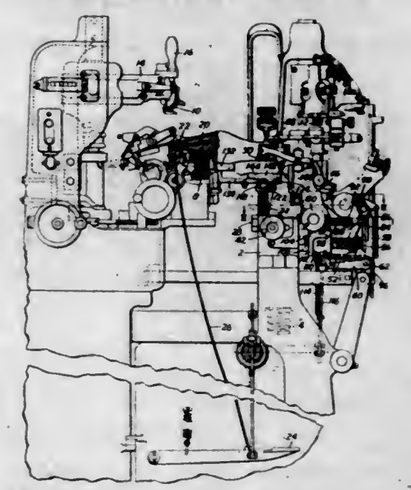
1. In a torque-limiting clutch, a shaft, a metal drum on said shaft, a non-metallic friction shoe substantially encircling said drum, the ends of said shoe terminating in projecting portions adjacent each other but spaced apart, an arcuate metal spring encircling said shoe and abutting with the projecting portions of said shoe for contracting said shoe about the drum and driving means rotatable about an axis concentric with that of the drum, said last mentioned means having a portion intermediate the ends of said shoe and a loose fit therebetween, said portion being adapted to abut against either of said ends for driving association therewith, whereby the driving force opposes the contraction of said shoe.

2,409,193
LASTING MACHINE
Theodore P. Courchene, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 27, 1945, Serial No. 574,855
7 Claims. (Cl. 12—12)



1. In a lasting machine, a device for gripping the marginal portion of the toe end of an upper on a last, an operating member movable by the operator to close said device on the upper, another device for clamping the heel-end portion of the upper against the last, spring means for moving said clamping device lengthwise of the last into position thus to clamp the upper, means for holding the clamping device initially retracted from its clamping position, and mechanism for releasing the clamping device to the action of said spring means by movement of said operating member.

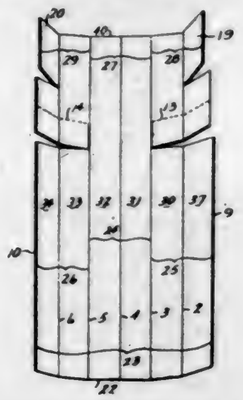
2,409,194
LASTING MACHINE
Theodore P. Courchene, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application January 27, 1945, Serial No. 574,855. Divided and this application July 30, 1945, Serial No. 607,813
8 Claims. (Cl. 12—14)



1. In a lasting machine, the combination with toe-lasting means, of an abutment for engaging the heel end of an upper on a last to position the last lengthwise relatively to said toe-lasting means, a toe rest for supporting the last at the top of the forepart, and a heel-end support for the last, said heel-end support having means for

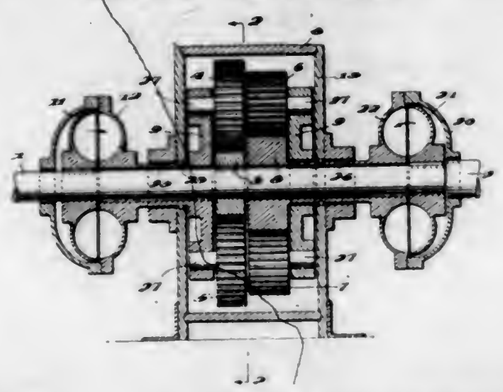
preventing lengthwise displacement of the last away from said abutment solely by engagement with the exterior of the last or of the upper thereon.

2,409,195
SURGICAL SPLINT
Walter J. Crawford, New Orleans, La.
Application June 22, 1943, Serial No. 491,774
5 Claims. (Cl. 128—87)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



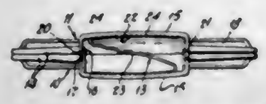
1. In a surgical splint of the class described, a single sheet of pliant material scored to define a base panel section, main side panel sections, each of the latter extending from one of opposite sides of the base panel section, an end panel section extending from one end of the base panel section, and auxiliary side panel sections, each of the latter extending from one of opposite sides of the end panel section, said auxiliary side panel sections each being scored to define a flap section at one corner of the sheet of material and adapted to have hinged relation to its respective auxiliary side panel section about an axis extending longitudinally of said sheet.

2,409,196
AUTOMATIC TURBOPLANETARY TRANSMISSION
Thomas P. Cunningham, Kearny, N. J.
Application March 24, 1943, Serial No. 480,390
8 Claims. (Cl. 74—189.5)



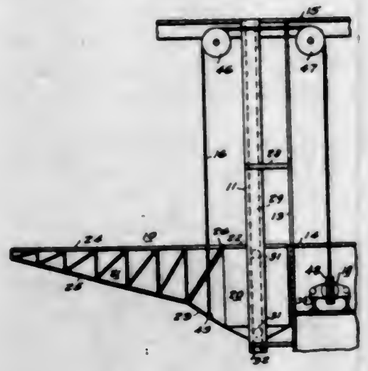
1. A traction booster for power transmissions including an engine shaft, a propeller shaft in alignment with the said engine shaft, a main power turbine and a booster turbine, the impellers of both of said turbines being keyed to the said engine shaft, and a planetary gear set including a pinion keyed to the said engine shaft; each of the said turbines including an impeller and a rotor and each turbine having a housing affixed to the rotor and enclosing the impeller; the planetary gearset including a carrier having gears axled therein, and a tail gear, the said axled gears meshing with the said pinion and with the said tail gear, the said tail gear affixed to the rotor of the said main power turbine and the said carrier being affixed to the rotor of the said booster turbine.

2,409,197
HAIR WAVE CLIP
Raymond C. David, Leominster, Mass., assignor to Delamere Company, Inc., New York, N. Y., a corporation of Delaware
Application June 5, 1945, Serial No. 597,624
3 Claims. (Cl. 132—46)



2. A hair wave clip comprising a pair of jaws each having a handle formed with a longitudinal groove in its inner face, the two handles having overlapped ears, a stud on each ear of one handle fitting into an opening in each ear of the other handle to connect the two jaws pivotally together, and a spring having two substantially parallel legs and a connecting portion disposed between the handles in a plane substantially parallel to the pivotal axis of the jaws, the parallel legs being freely held in the grooves of the handles.

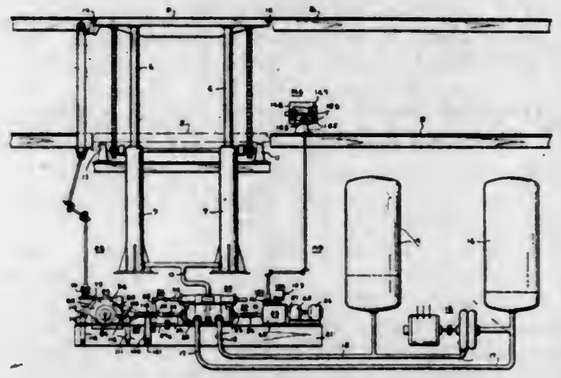
2,409,198
ELEVATOR CONTROL SYSTEM
James Dunlop, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 28, 1943, Serial No. 515,992
39 Claims. (Cl. 121—41)



1. In a control system for a hydraulic engine having a cylinder and a plunger, valve means for the cylinder, a motive means operating independently of the engine, a nut operated by movement of the plunger, means including a screw meshing with the nut and responsive to the operation of the nut and operation of the motive means for controlling opening of the valve means, and mechanism operated by the plunger as it approaches stroke ends for moving the valve means in a closing direction independently of said responsive action of the screw to control such valve means.

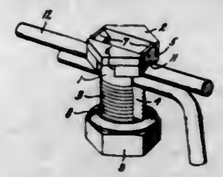
12. In a control system for hydraulically-operated apparatus having a movable component including a piston element arranged in a cylinder, valve means including a valve member movable in opening and closing directions to provide a flow area controlling the flow of motive liquid into and out of the cylinder; reversible motor means; follow-up means operated by the movable component; means responsive to movement of the motor means to move the valve member to increase the flow area of the valve means and responsive to movement of the follow-up means to move the valve member to decrease the flow area of the valve means so that, upon initiation of operation of the motor means, the flow area is increased to accelerate the movable component until, due to action of the motor means and of the follow-up means, the flow area is sufficient for movement of the movable component at a speed dependent upon that of the motor means; and means for stopping the movable component in predetermined positions and including cams operated by the movable component for moving the valve member independently of the motor means and of the follow-up means to decrease the flow area of the valve means so as to decelerate the movable component as each position is approached.

2,409,199
ELEVATOR CONTROL SYSTEM
James Dunlop, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 24, 1945, Serial No. 574,401
8 Claims. (Cl. 121—41)



1. In a hydraulically-operated elevator having a movable component including a platform movable between upper and lower stop positions and operatively connected to plunger means arranged in cylinder means, reversible pilot motor means, a drive shaft rotatable by the movable component, a valve control shaft, means for transmitting motion from the pilot motor means to the valve control shaft and constructed and arranged to provide for axial movement of the latter, a driven member, a cam shaft, gearing connecting the drive shaft and the driven member and connecting the drive shaft and the cam shaft, screw-and-nut gearing connecting the driven member and the valve control shaft and including screw and nut elements having meshing threads of such steep pitch that the valve control shaft may be forcibly moved axially independently of rotary motion imparted thereto by the pilot motor means and of rotary motion imparted to the driven member from the drive shaft, valve means for controlling the flow of motive liquid into the cylinder means for upward travel of the platform and out of the cylinder for downward travel thereof and movable in response to axial movement of the valve control shaft such that rotation of the latter by the motor means causes the valve means to move in an opening direction and rotation of the driven member causes the valve means to move in a closing direction to provide a flow area sufficient for movement of the platform at a speed dependent upon that of the pilot motor means, follower mechanism movable with the valve control shaft as the latter moves axially and including follower elements, and a pair of directional cams carried by the cam shaft and cooperating with the follower elements to operate the follower means for movement of the valve control shaft axially to move the valve means in a closing direction for decelerating the movable component as the platform approaches stop positions.

2,409,200
ELECTRICAL CONNECTOR
Lewis W. Evans, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 23, 1945, Serial No. 606,687
11 Claims. (Cl. 24—125)



2. In an electrical connection, a member having a head portion at one end and a threaded portion at the other end, a slot extending longitudinally from the head end of said member so that at least a portion of the threaded end of said member is solid while the head is slotted, a nut for said threaded end, a slotted washer member arranged to cooperate with said slotted head portion to form a complete head but rotatable relative to said head portion so that electrical conductors may be positioned in said slot and clamped between said nut and said complete head without removing said nut from said threaded end, and means for preventing said nut from inadvertently being disengaged from said threaded portion.

2,409,201
SMOKE-PRODUCING MIXTURE
Leo Finkelstein, Aberdeen, Md., and Hervey B. Elkins, United States Army
No Drawing. Application November 25, 1943, Serial No. 511,680
5 Claims. (Cl. 252—305)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

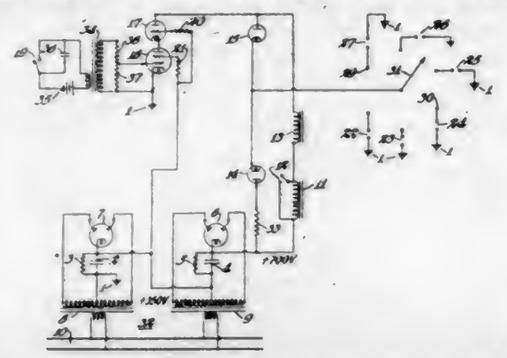
1. A smoke-producing mixture comprising a major proportion by weight of a reactive metal chloride, an oxide of a metal higher in the electromotive series than the metal constituent of the chloride and a finely divided metal higher in the electromotive series than the metal constituent of the oxide, said oxide and said chloride being principal reactants.

2. A smoke-producing mixture comprising a major proportion by weight of reactive iron chloride, grained aluminum and zinc oxide.

2,409,202
ELECTRONIC IGNITION SYSTEM
Oliver T. Francis, Renville, Minn.
Application December 27, 1943, Serial No. 515,654
5 Claims. (Cl. 315—211)

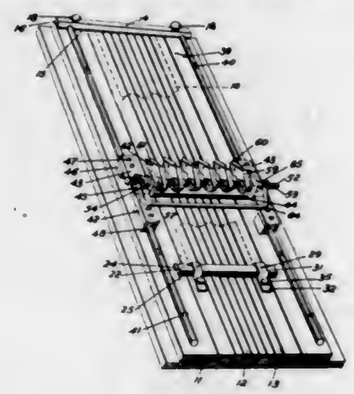
1. In an ignition system, a first circuit comprising the series connection of a generator of a high

voltage positive pulse, the anode and cathode of a spark gap, a second circuit comprising the series connection of an electrical energy storing source of current, the anode and cathode of a gas dis-



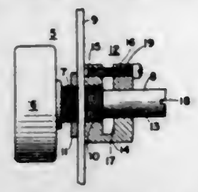
charge device, and said anode and cathode of said spark gap, and means for applying said positive pulse to said anode of said spark gap to render said gap conductive and cause current to flow in said second circuit.

2,409,203
SHEET SLITTING DEVICE
James A. Gale, New York, N. Y.
Application April 26, 1945, Serial No. 590,445
3 Claims. (Cl. 164—73)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



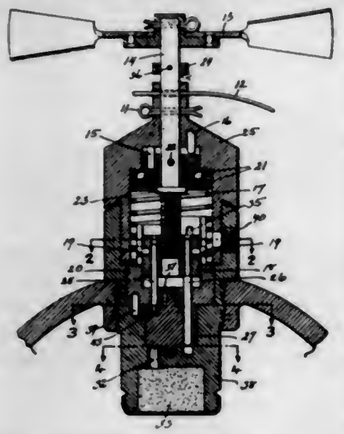
1. A sheet slitting device comprising a bedplate having a flat working surface adapted to have a sheet of material to be slit imposed thereon, said working surface defining a plurality of parallel slots, a pair of spaced clamping bars arranged transversely of said slots, said bars having friction surfaces opposed to said working surface, resilient means for urging said bars away from said working surface whereby opposite edges of a sheet of material may be inserted between said working surface and said friction surfaces, means for clamping said bars against said working surface to secure the sheet thereon, guide rails on said bedplate parallel to said slots, a carriage mounted on said rails for reciprocation in a line parallel to said slots, a shaft rotatably mounted on said carriage and disposed transversely of said slots, spaced fingers rigidly secured to said shaft, cutting tools secured to said fingers, and means for adjusting said fingers on said shaft whereby said tools may be aligned with said slots, said shaft being arranged for rotation into cutting position whereby said tools are depressed in unison into said slots with the cutting edges thereof disposed to slit the sheet of material and being further arranged for rotation in unison into inoperative position whereby said tools are withdrawn from said slots.

2,409,204
SHAFT LOCKING DEVICE
James E. Gall, Washington, D. C.
Application August 18, 1945, Serial No. 611,427
1 Claim. (Cl. 188—74)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In combination, a rotatable shaft, a housing for said shaft, and a shaft locking device comprising an axially apertured block having a slot formed therein extending from one side thereof at substantially right angles to the aperture to a point intermediate the opposite side thereof and the edge of the aperture, thus substantially dividing said block into two end portions joined by an intermediate side portion, means for securing one of said end portions to said shaft housing, and means associated with said block for pivoting said other portion toward said first portion about an axis substantially corresponding to the base of said slot to cause said pivoted portion to engage said shaft.

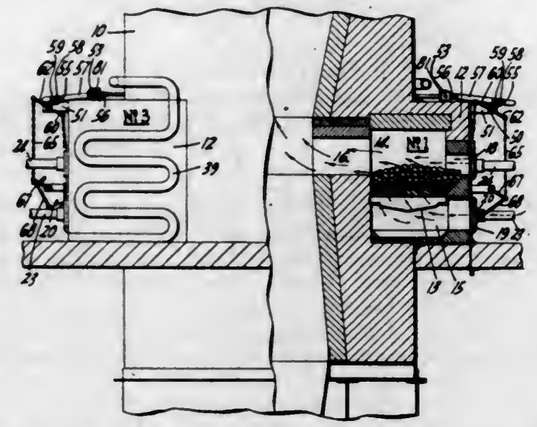
2,409,205
BOMB FUSE
Raymond L. Graumann, Alexandria, Va.
Application March 2, 1932, Serial No. 596,364
7 Claims. (Cl. 102—81.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A bomb fuse comprising a fuse body having a cavity therein, a detonator holder, an arming nut, an arming nut guide, a fuse body housing, a shaft penetrating said fuse having screw threads on the inner end, said screw threads being engaged by said arming nut, said arming nut guide preventing rotation of said arming nut until after a predetermined number of revolutions of said shaft, a propeller and hub attached to said shaft, a first spring located in said fuse body, means associated with said shaft whereby said shaft and propeller are prevented from rotating until the longitudinal force exerted by the air on said propeller and hub is sufficient to overcome said first spring, a firing pin, a detonator, a lead to an explosive charge, the latter three elements being out of line when the fuse is unarmed and being in line when the fuse is armed, a second spring associated with said detonator holder, means associated with said arming nut to move said detonator holder to the armed position, said

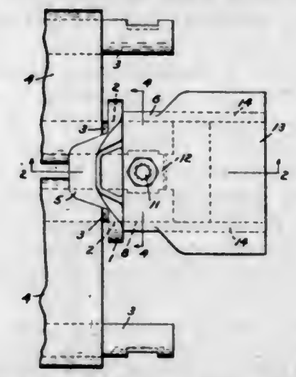
means and second spring operating to return said detonator from the armed to the unarmed position when the longitudinal force exerted by the air on said propeller and hub ceases to be sufficient to overcome said first spring.

2,409,206
METHOD AND APPARATUS FOR CALCINING MATERIALS
William E. Hessman, Luckey, Ohio, assignor to National Gypsum Company, Buffalo, N. Y.
Application April 9, 1941, Serial No. 387,625
21 Claims. (Cl. 263—53)



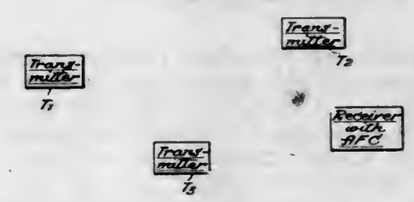
10. Calcining apparatus comprising a charge receiving chamber, a plurality of furnaces associated therewith each having a grate with a combustion chamber thereabove and an ash pit therebelow, a conduit between each furnace combustion chamber and said charge receiving chamber whereby the gaseous products of combustion from said furnaces are discharged into said charge chamber, each furnace having draft means associated with its ash pit and other draft means associated directly with its combustion chamber, means associated with each furnace for alternately rendering the ash pit draft means operative and inoperative in substantially continuously recurring succession and for simultaneously rendering the combustion chamber draft means operative when the ash pit draft means is inoperative, and vice versa, and means synchronizing the draft means of the several furnaces whereby they operate successively in a continuously recurring cycle.

2,409,207
EXTENDED END CONNECTION
Theodore J. Hollenkamp, Detroit, Mich.
Application October 17, 1944, Serial No. 559,109
9 Claims. (Cl. 305—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



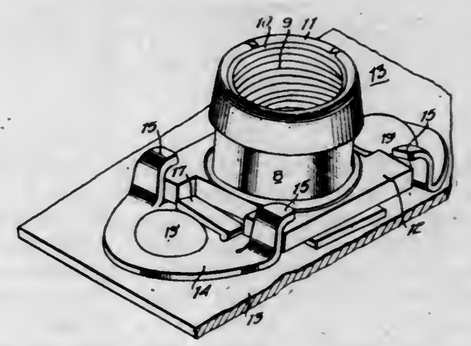
1. An extended end connector for track blocks comprising a body plate, means on a surface of said plate for connecting a pair of successive track blocks, and a flotation plate extended outwardly from said connecting means perpendicularly to said body plate and having a ground-facing surface for assisting in the flotation of the vehicle in soft earth.

2,409,208
SIGNALING SYSTEM
Paul F. G. Holst and Loren R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 24, 1941, Serial No. 424,298
4 Claims. (Cl. 250—6)



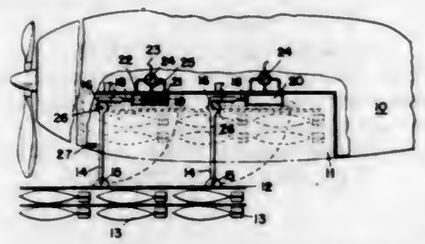
1. A signaling system consisting of a plurality of spaced transmitters each radiating a carrier wave, the several carrier waves being separated from each other by small frequency spacings as compared to the carrier wave frequencies, and at least one heterodyne receiver with a tuning range covering substantially only a band of frequencies sufficient to receive all of the transmitted waves and with an intermediate frequency more than twice the greatest frequency separation between the plurality of transmitted carrier waves.

2,409,209
REMOVABLE BASKET NUT
John E. Johnson, Morristown, N. J., assignor to Elastic Stop Nut Corporation of America, Union, N. J., a corporation of New Jersey
Application July 25, 1944, Serial No. 546,446
5 Claims. (Cl. 85—32)



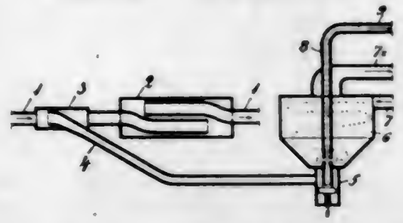
1. In a fastening device, a nut basket and a nut removably secured thereto, said nut including a threaded portion and a flange portion extending laterally therefrom, said nut basket having a base portion, a plurality of bent-over lugs extending upwardly from said base portion and overlying said flange portion to restrain lateral movement in two opposite directions and rotary and axial movement of the nut, and a plurality of projections extending upwardly from said base portion and engaging edges of said flange portion for restraining movement of the nut in two opposite lateral directions at right angles to the first mentioned directions, at least one of said projections being resiliently displaceable to permit insertion and removal of said nut into and from said basket.

2,409,210
ROCKET LAUNCHING DEVICE
Carl H. Jolly, United States Navy
Application June 13, 1945, Serial No. 599,293
2 Claims. (Cl. 89—1.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device of the class described comprising an open bay in the bottom portion of the body of an airplane, a carriage normally positioned in said bay, one or more rockets releasably mounted on the underside of said carriage, a strut member pivotally mounted at one end on said carriage and at the other end in the upper portion within said bay, said strut member being of such length to position the carriage beyond the propeller arch in line of travel parallel to the airplane thrust line, a pinion gear rigidly attached to said strut member, a gear rack engaging said pinion gear, and hydraulic means for operating said pinion and rack mechanism to swing said carriage to its extended position.

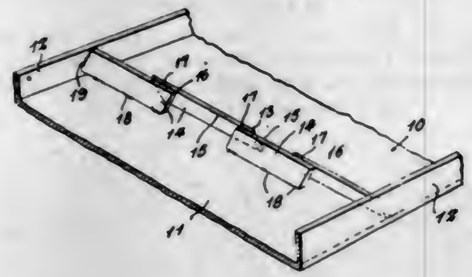
2,409,211
DEVICE FOR REMOVING PARTICLE DEPOSITS FROM GAS PURIFYING APPARATUS ASSOCIATED WITH GAS GENERATORS
Karl Torsten Källe, Saffle, Sweden
Application May 26, 1941, Serial No. 395,240
In Sweden February 17, 1941
8 Claims. (Cl. 183—38)



1. The combination with a gas purifying apparatus having an inlet and an outlet, a conduit extending into said apparatus and having inlet means to receive solid particles from said apparatus, a jet movable relatively to said conduit and cooperating with said means to control the introduction of solid particles from said apparatus into said conduit, a pipe adapted to lead exhaust gases from an engine to said jet for discharge therefrom into said conduit to induce the flow of solid particles therethrough, and means responsive to increase or decrease in pressure in said pipe for moving the jet relatively to the conduit to increase or decrease, respectively, the flow of solid particles introduced into said conduit.

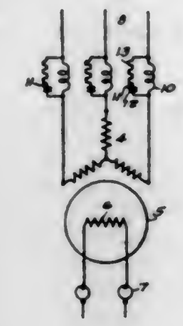
2,409,212
STRUCTURAL MEMBER
Frederick Kautz, Philadelphia, Pa.
Application August 21, 1944, Serial No. 550,427
19 Claims. (Cl. 189—34)

1. A structure comprising an extended body member and a reinforcement therefor secured to said member at contacting portions and having sections of elongated shape extended from each other in longitudinal alignment, said sections being disposed in alternate order substantially at opposite sides of a common longitudinal plane, longitudinal edge portions of said sections contiguous to said member being spaced from said



plane, said sections being inclined so that other longitudinal edge portions thereof lie substantially in said plane, said reinforcement having a portion disposed over both sides of said plane in which said sections are extended over each other and united, and the terminal sections of said reinforcement being sustained by support members.

2,409,213
DAMPING FOR ELECTRICAL MACHINES
Lee A. Kilgore, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1944, Serial No. 531,039
3 Claims. (Cl. 172—274)



1. An alternating-current dynamo-electric machine inherently subject to negative damping tending to cause self-excited oscillations through a narrow frequency-range above and below an average operating-frequency of a winding of the machine, in combination with electrical damping-means comprising a damped tuned circuit, and terminal connections for serially connecting said tuned circuit to said winding, said tuned circuit comprising a plurality of parallel-connected reactance-branches, one of said branches having an inductive reactance, another of said branches having a capacitive reactance, said inductive and capacitive reactances being tuned to a frequency equal to said average operating-frequency, plus said narrow frequency-range above said average operating-frequency, plus a small additional increment of frequency, and at least one of said branches including resistance in an amount suitable for materially altering the slope of the damping-torque curve of the machine so as to produce positive damping within said narrow frequency-range above and below said average operating-frequency.

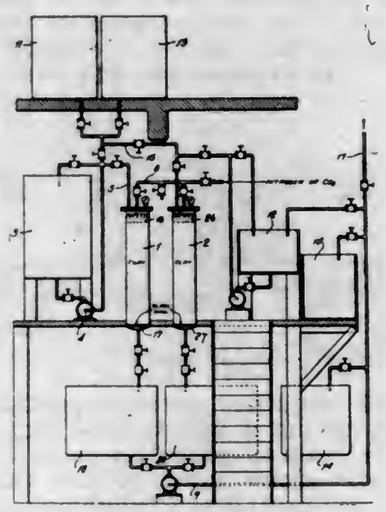
2,409,214
INTAGLIO INK
Ernest D. Lee, West Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application December 27, 1943, Serial No. 515,801
3 Claims. (Cl. 106—30)

1. An intaglio printing ink comprising coloring matter dispersed in a vehicle which comprises a solution of Utah type coal resin in an aliphatic hydrocarbon solvent having a volatility in the range between that of benzene and that of toluene.

2,409,215
PRINTING INK
Ernest D. Lee, West Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application December 27, 1943, Serial No. 515,802
2 Claims. (Cl. 106—30)

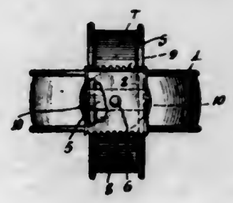
1. A heat drying printing ink comprising pigment dispersed in a vehicle which comprises a solution of coal resin free from coal in a petroleum hydrocarbon solvent which is substantially non-volatile at 20° C. and which volatilizes very readily when heated to temperatures of the order of 150° C., said coal resin comprising the portion soluble in hexane and lower saturated hydrocarbons of the resin concentrate consisting of resin admixed with coal and obtained from a resin-bearing coal of the Utah type.

2,409,216
METHOD OF REFINING RESIN
Ernest D. Lee, West Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application December 27, 1943, Serial No. 515,803
4 Claims. (Cl. 260—107)



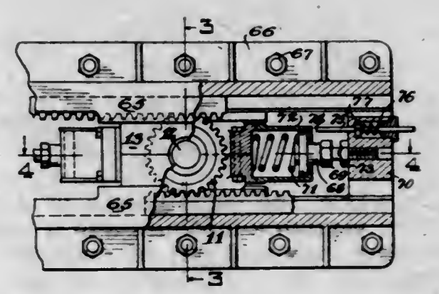
1. In the method of recovering the resin from a resin-bearing coal of the Utah type wherein the resin is separated from the bulk of the coal to produce a resin concentrate consisting of resin admixed with coal, the steps which comprise heating the resin concentrate to a temperature above about 165° C. but below the point at which substantial depolymerization of the resin takes place to render the resin content thereof freely soluble in hydrocarbon solvents and to produce freely filterable hydrocarbon solutions of the resin, dissolving the resin content of the heat-treated resin concentrate in a hydrocarbon solvent, and separating the insoluble coal from the resulting resin solution by filtration.

2,409,217
ADHESIVE TAPE DISPENSER
Maurice E. Lessin, New York, N. Y., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application March 31, 1945, Serial No. 585,828
2 Claims. (Cl. 206—58)



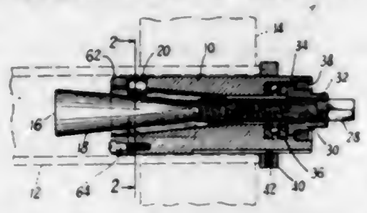
1. An adhesive tape dispenser comprising a spool for holding a supply roll of tape, a hollow cylinder into which the spool fits concentrically, bearing means for pivotally mounting the spool for rotation within the cylinder about an axis that is coincident with a common diameter of the spool and the cylinder, and a severing edge on the cylinder positioned to permit tape to be drawn thereagainst to sever the latter after its withdrawal from the spool when the spool and the cylinder are positioned with their radial cross sectional planes approximately at right angles to each other.

2,409,218
STRAIN RELIEVING AND DEPHASING STOP MEANS FOR FREE PISTON ENGINES
Frank M. Lewis, Weston, Mass., assignor to General Machinery Corporation, Hamilton, Ohio, a corporation of Delaware
Application December 26, 1944, Serial No. 569,871
22 Claims. (Cl. 123—46)



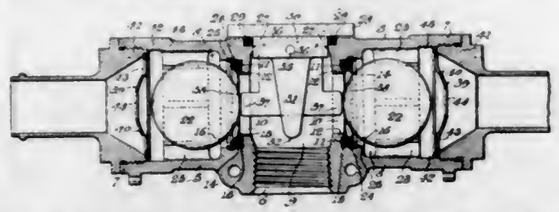
1. In an internal combustion free piston engine having a piston synchronizing means including a rack-bar projecting inwardly from and movable with each of the opposing free pistons, and pinion means connecting and rotatable by opposing movements of the rack-bars, a carriage forming a mount for the pinion means and mounted for reciprocatory movements lengthwise of the rack-bar movements, and means normally holding said carriage in a predetermined neutral position and yieldable to relieve load shocks and piston dephasing strains on the pinion means.

2,409,219
TUBE EXPANDING
Carl A. Maxwell, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Original application May 15, 1941, Serial No. 393,505, now Patent No. 2,375,235, dated May 8, 1945. Divided and this application January 25, 1944, Serial No. 519,591
2 Claims. (Cl. 29—157.5)



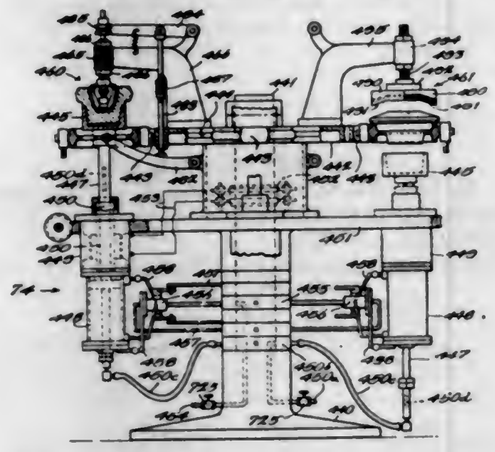
1. A method of retractively expanding tubes into tube seats in a wall of a pressure part; said method including an initial tube expanding operation limited to and continuously advancing over a narrow circumferential zone the width of which is but a fraction of the length of the tube seat, said initial tube expanding operation being effected at a position adjacent the end of the tube seat remote from the nearest tube end, stabilizing and advancing the expanding operation by guiding reactions against internal surfaces of the tube over an area and a circular zone of an axial extent much greater than the narrow zone of the initial expanding; subsequently repeating said expanding in a continuing expanding operation in contiguous zones successively nearer the adjacent end of the tube; said initial expanding operation involving the maximum tube expanding force of the method; maintaining said maximum force beyond the initial expanding operation; and constantly limiting the application of the expanding force to a minor circumferential segment.

2,409,220
SUMP SELECTOR VALVE
Joseph F. Melichar and Wilton Margrave, Cleveland, Ohio, assignors to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application May 13, 1943, Serial No. 486,862
11 Claims. (Cl. 251—121)



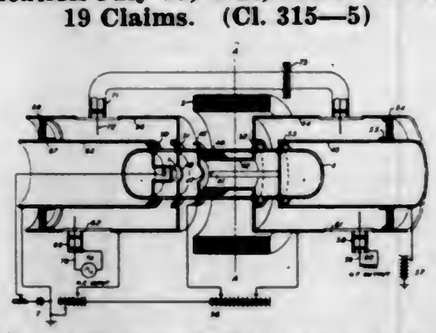
1. In a valve, the combination of a ring seat of resilient yieldable material and a valve member movable into and out of engagement with said ring seat for controlling passage of fluid therethrough, said seat including a first engageable thin bendable annular lip engageable by the valve member when moved against the ring seat and effective to provide an efficient line contact seal at light pressure contacts of the valve member with the seat ring, and a spaced second engageable annular yieldable bumper seat portion engageable by the valve member after a bending of the lip by valve member engagement and effective to provide an efficient seal at heavier pressure contacts of the valve member with the seat ring and to limit the amount of displacement by bending of the first engaged lip by said valve member.

2,409,221
PUDDLING MACHINE
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa., a corporation of Pennsylvania
Original application January 8, 1943, Serial No. 471,704. Divided and this application September 16, 1944, Serial No. 554,509
22 Claims. (Cl. 25—22)



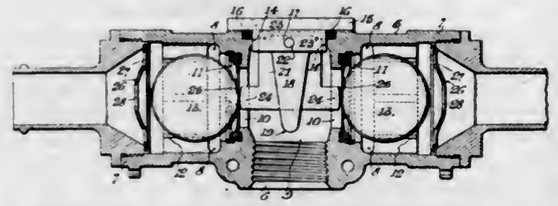
1. Dinnerware puddling machinery comprising, in combination, supporting means for carrying pottery molds in a closed path, a puddling implement for puddling clay thereon, an implement support, means for moving the implement support in a closed path to bring the implement into register with successive molds on the mold support, means for moving the puddling implement and molds toward one another to engage the clay during the interval of registration and means for moving one relative to the other to puddle the clay.

2,409,222
ELECTRON DISCHARGE DEVICE
Jack A. Morton, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 19, 1941, Serial No. 403,119
19 Claims. (Cl. 315—5)



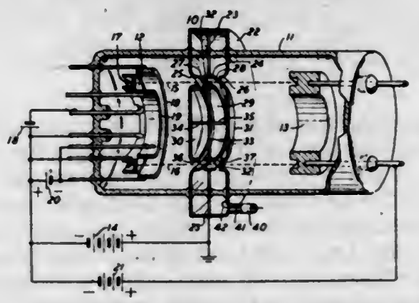
1. A high frequency system comprising an electron tube having a longitudinal axis along the general direction of which an electron stream is directed and along which within the tube are located in substantial axial alignment and axially spaced one from another, a cathode, at least one electron control electrode, and a system of high frequency output electrodes which are portions of an electrically resonant chamber and are arranged to impress a high frequency electric field upon a space symmetrically surrounding a portion of said axis, means including the said system of high frequency output electrodes for producing a high frequency electric field in the said space symmetrically surrounding the axis, means for maintaining a static magnetic field in at least a portion of the space occupied by the said high frequency electric field such that the lines of force of the static magnetic field are substantially parallel to the said axis and perpendicular to the electric lines of force of the high frequency field, means for projecting a stream of electrons into the space occupied jointly by the two said fields with a component of direction perpendicular to the lines of force of the static magnetic field, and means including the electron control electrode for varying the charge density of the electron stream before its entrance into the space occupied by the combined said fields.

2,409,223
SUMP SELECTOR VALVE
Arthur L. Parker, deceased, late of Shaker Heights, Ohio, by Helen M. Parker, executrix, Shaker Heights, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Continuation of application Serial No. 486,862, May 13, 1943. This application June 5, 1946, Serial No. 674,424
3 Claims. (Cl. 277—20)



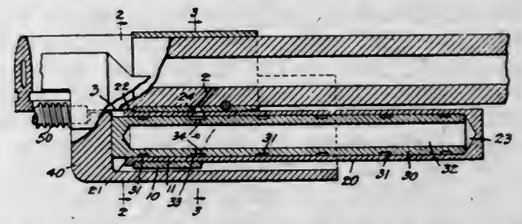
1. An elongated valve casing having inlet openings at its ends and an outlet opening intermediately of its ends, a central flow chamber leading to said outlet opening and a valve chamber in each end for receiving fluid through the respective inlet openings, a ring seat between each valve chamber and the central flow chamber, a freely rolling ball in each valve chamber adapted to roll by gravity toward and from the respective seat, a wall traversing the flow chamber centrally between said ring seats, a spacer member swingably mounted in the central flow chamber and having ball engaging portions disposed for engaging between the balls so as to permit seating of one ball at a time and never both balls, and a baffle disposed centrally at each inlet opening in position for deflecting incoming fluid around the respective ball.

2,409,224
OSCILLATOR
Arthur L. Samuel, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 23, 1941, Serial No. 416,176
6 Claims. (Cl. 315—5)



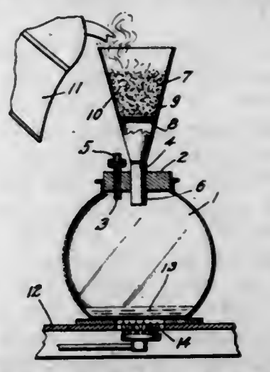
1. An oscillating system comprising a source of a stream of electrically charged particles, a resonating chamber for electromagnetic waves, means to effect an energy interaction between the particles of said stream and an electromagnetic field in said resonating chamber, means within said resonating chamber to define for said stream a substantially field-free drift space, said drift space being of such a length that the said particles normally traverse it in a transit time of a value substantially an integral number of cycles of the resonant frequency of the chamber plus one quarter cycle, and means to predetermine a mode of oscillation of said resonating chamber characterized by equal potentials at the two ends of said drift space throughout the entire cycle of said resonating chamber.

2,409,225
GAS SYSTEM FOR FIREARMS
Wilbur A. Schaich, Springfield, Mass.
Application September 5, 1944, Serial No. 552,784
1 Claim. (Cl. 42—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In an automatic firearm having a barrel with a gas port therein and a reciprocating breech operating member, the improvement comprising a gas cylinder secured to the barrel in the vicinity of the barrel gas port, said gas cylinder defining a rearwardly opening, cylindrical chamber disposed parallel to the path of movement of said breech operating member, a cylindrical piston slidably and rotatably mounted within said cylinder chamber, said piston having a forwardly opening hollow portion, the rear end of said piston arranged to abut the breech operating member to impart rearward movement thereto, said cylinder having a gas passage therein communicating between the barrel gas port and the interior of said cylinder chamber, said piston having a reduced diameter annular groove on its periphery located in substantial alignment with said gas passage when said piston is in its forward position, said piston having at least one generally radial hole in said reduced diameter annular groove, communicating with the said hollow portion of said piston.

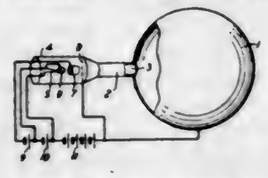
2,409,226
DEVICE FOR VACUUM FILTRATION
Peter Schlumbohm, New York, N. Y.
Application April 24, 1943, Serial No. 485,264
7 Claims. (Cl. 210—162)



1. A vacuum filtering device comprising a flask for filtrate, a filtering element, communicating

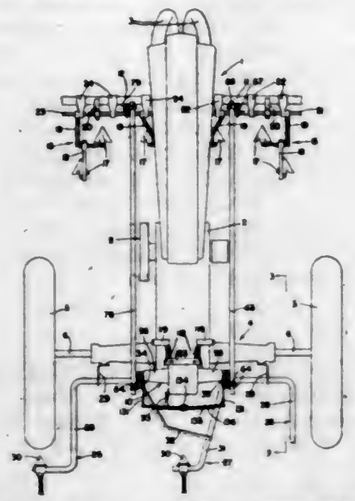
means leading from said filtering element to said filtrate flask, means for communicating said filtrate flask directly to the atmosphere, and means responsive to the pressure within said filtrate flask for closing said second communicating means.

2,409,227
ULTRA HIGH FREQUENCY ELECTRONIC DEVICE
William Shockley, Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1941, Serial No. 401,913
10 Claims. (Cl. 250—36)



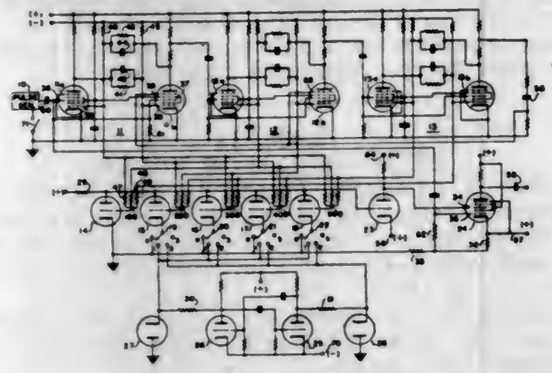
1. In combination, a resonant chamber having a conductive wall with a relatively small aperture therethrough, means for projecting a beam of electrons into the interior of the chamber through said aperture, means for initiating an electromagnetic field in rotation about an axis lying in the line of projection of said electron beam, and means for bringing the speed of the electrons at the point of entry into said chamber to a value at which said electromagnetic field is sustained by energy contributed to the field by the motion of electrons in said beam.

2,409,228
POWER LIFT
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 8, 1944, Serial No. 530,213
16 Claims. (Cl. 97—50)



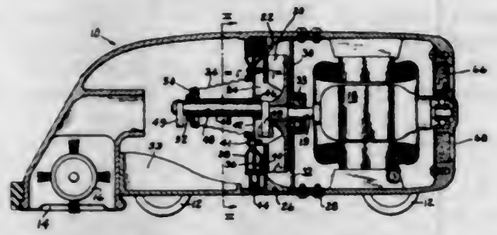
1. A cultivator comprising supporting means, separately movable right and left hand cultivator rigs carried by said supporting means, a center cultivator rig movably connected with the rear portion of said supporting means, a pair of separately movable parts carried by said supporting means and connected, respectively, with said right and left hand cultivator rigs, lifting mechanism connected with said parts for actuating the latter to raise said right and left hand cultivator rigs optionally simultaneously or separately, and mechanism connecting both of said parts with said rear cultivator rig whereby the latter is raised only when both of said right and left hand cultivator rigs are raised.

2,409,229
SELECTOR CIRCUIT
Carl Harrison Smith, Jr., Arlington, Va., and Milton L. Kuder, Washington, D. C.
Application June 13, 1945, Serial No. 599,287
7 Claims. (Cl. 177—380)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



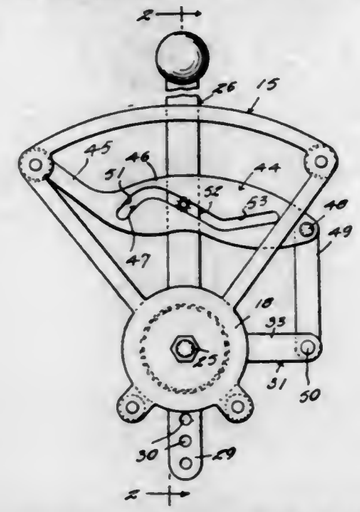
1. A means for producing a group of pulses wherein the number and relative time occurrence of the pulse signals in said group are selectively determined, comprising a means generating a time base which is comprised of a finite number of voltage pulses, each of which is predeterminately spaced in time, a plurality of vacuum tubes, means associating each of said tubes with said first named means in such a manner as to be successively rendered conducting thereby, separate means associated with each of said tubes and arranged to render any one or number of said tubes unresponsive to the action of said first named means, a coincidence tube, means connecting the output from said first named means to said coincidence tube, and means connecting said coincidence tube in common with said plurality of tubes in such a manner that the pulse output from said first named means will appear at the output of said coincidence tube only during the time when one of said plurality of tubes is conducting.

2,409,230
SUCTION CLEANING APPARATUS
Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 3, 1944, Serial No. 533,866
5 Claims. (Cl. 183—37)



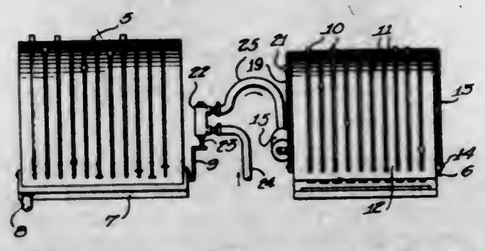
1. A suction cleaner comprising a casing, a fan motor unit disposed in said casing for moving air therethrough, a tubular filter movably mounted in the path of flow of air through said casing, means supporting said filter and driven by the shaft of said fan motor unit for imparting to said filter a gyratory movement about the axis of said shaft, said last-mentioned means including a gyratory element eccentrically connected to and driven by the shaft of the fan motor unit and on which said filter is movably mounted, and means for preventing rotation of said filter.

2,409,231
THROTTLE CONTROL
Philip M. Waite, Corry, Pa.
Application September 28, 1943, Serial No. 504,184
10 Claims. (Cl. 74—471)



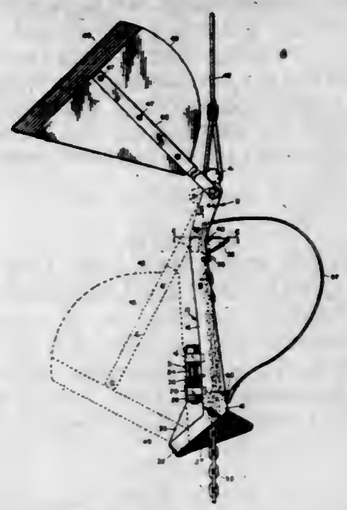
1. A control device comprising a frame, a stationary pivot carried by said frame, a main lever rockable on said pivot, a secondary lever also rockable on said pivot, said secondary lever including a pair of angularly related arms, an elongated cam plate pivotally carried at one end thereof by said frame and provided with a cam track, a link pivotally connecting the opposite end of said cam plate to one arm of said secondary lever, and means carried by said main lever engaging in said cam track whereby rocking of said main lever will also rock said secondary lever in the same direction as the main lever in either direction of the movement of said main lever.

2,409,232
AUTOMATIC MARK CLEARING DEVICE
Edwin Francis Wesely, Chevy Chase, Md.
Application December 6, 1943, Serial No. 513,115
2 Claims. (Cl. 101—95)



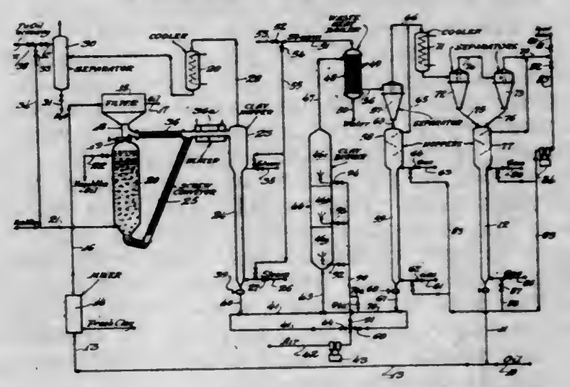
1. A listing and marking machine particularly for laundries comprising a listing device adapted to print a list of laundry items and having an operating handle to actuate means to print the items which have been set up in the device, a numbering device adapted to print identifying numbers on the laundry listed in the listing device and having a member which when operated will clear the number set up in the numbering device, a fluid pressure system connected to both devices including a valve operated by the operating handle of the listing device and a piston and cylinder secured to the numbering device with the piston connected to the clearing member thereof, and means operative when the operating handle is actuated to actuate the valve and thereby cause the fluid pressure to move the piston and thereby operate the clearing member to clear the numbering device when the listing device prints the list of items.

2,409,233
SWEEP WIRE PASSING DEVICE
Kenneth H. Wilcoxon, Cabin John, Md.
Application June 1, 1943, Serial No. 489,269
7 Claims. (Cl. 102—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. In equipment of the character described, a mooring cable including a mine cable and an anchor cable, a device including parts connected one to the mine cable and another to the anchor cable, means separably connecting said parts together in spaced zones to permit the passage of a sweep cable therebetween without interrupting the continuity of the mooring cable, said means including a latch releasably securing said parts together at one of said zones, a cam disposed in the path of travel of the sweep cable for releasing the latch, and a spring urging the latch toward its closed position.

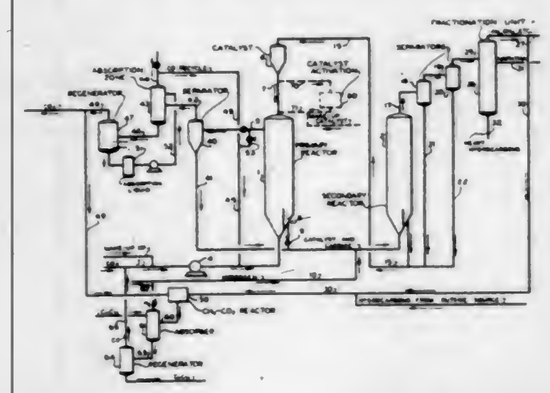
2,409,234
REVIVIFYING ADSORPTIVE MATERIAL
Maurice H. Arveson, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 31, 1940, Serial No. 372,515
3 Claims. (Cl. 252—281)



1. The process for the revivification of solid contacting material contaminated with adsorbed hydrocarbon matter from the decolorization of oils which comprises dispersing said solid contacting material in a stream of air, introducing said stream of air and solid contacting material into an up-flow burning zone, continuously settling out a portion of the solid contacting material from the stream continuously passing through the burning zone whereby the solid contacting material within the burning zone is maintained in a turbulent mass having a density of between

about 5 and about 30 pounds per cubic foot, maintaining uniform temperature throughout said burning zone sufficient to remove substantially all of the adsorbed hydrocarbon matter from said solid contacting material, introducing at vertically spaced points additional quantities of gases into the turbulent mass maintained within the burning zone continuously withdrawing revivified solid contacting material overhead from said burning zone, cooling the withdrawn stream of gases and revivified contacting material, recovering the revivified contacting material from the said gases, and accumulating the recovered solid contacting material in an aerated dense phase.

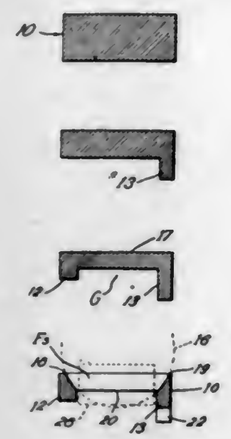
2,409,235
CONTINUOUS PROCESS FOR EFFECTING CATALYTIC REACTIONS
Harold V. Atwell, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 18, 1943, Serial No. 514,768
14 Claims. (Cl. 260—676)



1. A continuous cyclic process for catalytically forming normally liquid compounds from carbon and hydrogen by the action of a solid hydrogenating catalyst containing a carbide-forming metal which comprises passing a stream of said catalyst in finely divided form through a primary reaction in the substantial absence of added free hydrogen, subjecting said stream therein to contact with a volatile carbon compound under elevated temperature conditions such that metallic carbide is formed on said catalyst in substantial amount, passing said catalyst stream containing resulting metal carbide and while still at elevated temperature from the primary reaction zone to a secondary reaction zone, subjecting it in said secondary zone to contact with hydrogen under conditions such that metal carbide is decomposed, the liberated carbon reacting with hydrogen to form carbonaceous compounds mainly of higher molecular weight than methane, discharging said compounds, withdrawing catalyst of decreased carbide content from the secondary zone and passing it to said primary zone for increasing its carbide content.

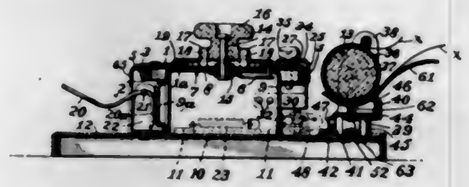
2,409,236
METHOD OF MAKING ROLLER CAGES
Oscar H. Banker, Evanston, Ill.
Continuation of application Serial No. 424,438, December 26, 1941, which is a division of application Serial No. 297,439, October 2, 1939. This application April 5, 1944, Serial No. 529,567
6 Claims. (Cl. 29—148.4)

1. The method of making a roller cage from a cylindrical ring, comprising the step of cutting within one cylindrical face and radial zone of said ring a groove having spaced-apart opposed faces disposed perpendicularly to the ring axis and for engaging the ends of a roller, and the further step of cutting in the opposite cylindrical



face and an adjacent radial zone of the ring a groove intersecting the first groove and having spaced-apart opposed faces directed axially of the ring and for engaging substantially diametrically opposite sections upon the cylindrical surface of said roller.

2,409,237
TOY TYPEWRITER
Joseph Le Roy Banks, Baltimore, Md., assignor to Joseph L. Schilling, John C. Doig, and Irving G. Rubin, doing business as J. L. Schilling Co.
Substituted for abandoned application Serial No. 34,085, July 31, 1935. This application May 2, 1945, Serial No. 591,443
9 Claims. (Cl. 197—47)

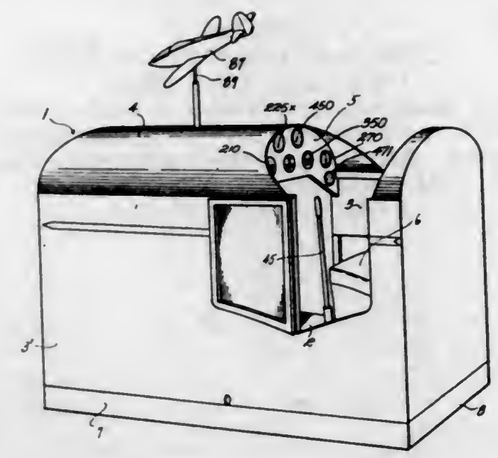


9. A typewriter comprising a type wheel, a carrier therefor composed of sheet metal having a top to which the type wheel is journaled, said carrier being of substantially rectangular form in horizontal cross section and provided at its front wall with a pressed out abutment or cam portion, and a finger lever pivotally supported and having a tail portion extending downwardly along said abutment.

2,409,238
AIRPLANE FLIGHT TRAINER
Theodore C. Barber, Seattle, Wash.
Application February 19, 1943, Serial No. 476,403
11 Claims. (Cl. 35—12)

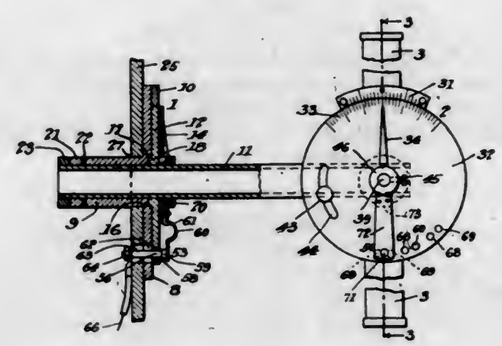
1. A stationary airplane flight trainer comprising conventional type hand and foot controls, and a movable ball bank indicator element simulating parts of an airplane; separate operating connections between the ball bank indicator element and the foot and hand controls whereby the indicator element will be moved to various positions indicating unstable flight by functional

movements of either the foot controls or the hand control, said connections being interconnected in a manner whereby the moving influence on the



indicator element, as produced individually by either one of the controls, may be nullified by movement of the other.

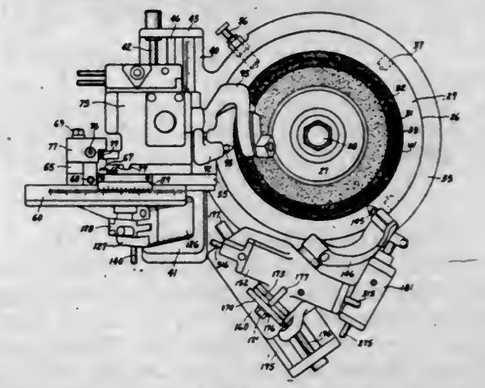
2,409,239
BOMB SIGHT AND BOMB-RELEASING DEVICE
Arthur E. Barili, Los Angeles, Calif.
Application May 22, 1942, Serial No. 444,047
6 Claims. (Cl. 89—1.5)



1. A bomb sight as disclosed, comprising a sight, a ground track indicator actuated by said sight for indicating the position of the plane with relation to its ground track leading to a target, a bomb-trajectory indicator actuated by said sight for indicating the position of the plane with relation to its bomb releasing position, a bomb-releasing circuit including two switches, and means actuated by said indicators, respectively, for closing said switches when both of said indicators indicate zero.

6. A bomb sight as disclosed comprising a sight, a ground-track indicator actuated by said sight for indicating the position of the plane with relation to its ground track leading to a target, a bomb-trajectory indicator actuated by said sight for indicating the position of the plane with relation to its bomb-releasing position, bomb-holding means, an electrical releasing circuit for said bomb-holding means including two electric eyes, and means for interrupting the light beams of both of said electric eyes for closing said bomb-releasing circuit, when the plane reaches its bombing position and both said ground-track indicator and said bomb-trajectory indicate zero.

2,409,240
DRESSING MECHANISM
Paul F. Barker, Herbert G. Hartman, Clarence T. Galloway, and Bernard M. Kunes, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York
Application July 28, 1943, Serial No. 496,452
30 Claims. (Cl. 125—11)



2. The method of dressing a rotary annular grinding wheel which comprises rotating the wheel on its axis while imparting reciprocating movements to an inside and an outside-dressing tool, the forward movement of each tool being at a relatively fast rate and the return movement of each tool being at a relatively slow rate, and holding both tools in engagement with the respective sides of the wheel during their forward strokes and the inside-dressing tool during its return stroke, but withdrawing the outside-dressing tool from operative position during its return stroke, so that the outside surface of the tool is dressed only at a fast rate while the inside surface is dressed successively at fast and slow rates.

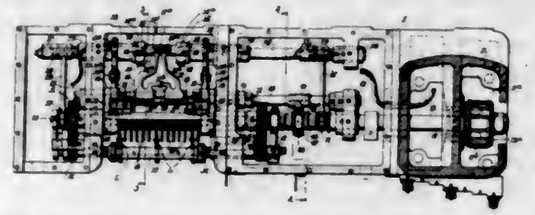
2,409,241
METHOD OF PRODUCING SUBSTANTIALLY PURE d-TUBOCURARINE CHLORIDE
Joseph T. Bashour, New York, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application May 17, 1944, Serial No. 536,031
11 Claims. (Cl. 260—236)

8. The method of producing substantially-pure d-tubocurarine chloride which essentially comprises treating with picric acid the quaternary-base fraction of a crude curare of the curarine type, hydrolyzing the resulting picrate in an emulsion of hydrochloric acid and a water-immiscible organic solvent for picric acid, separating the precipitated d-tubocurarine chloride from the aqueous phase, treating the mother liquor with an acid-adsorbing resin, drying the treated mother liquor, and crystallizing the residue with a minimum quantity of hydrochloric acid.

2,409,242
WORK FEEDING MECHANISM FOR SEWING MACHINES
Rudolph Becker, North Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application May 22, 1945, Serial No. 595,099
15 Claims. (Cl. 112—215)

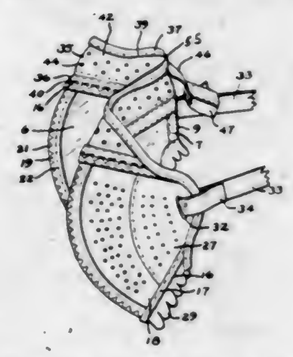
1. A work-feeding mechanism for sewing machines comprising a feed-frame, a feed-dog carried by said feed-frame, a rotary shaft, two feed-drive elements carried by said shaft, two laterally spaced and coaxially journaled feed-rockers, a

driving connection between each of said feed-drive elements and a respective one of said feed-rockers, and a driving connection between each



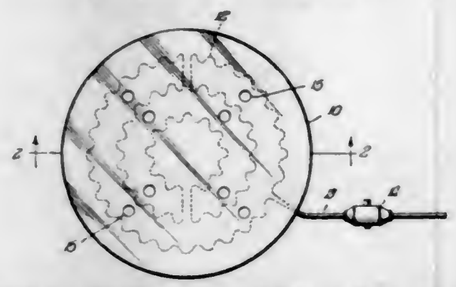
of said feed-rockers and said feed-frame for imparting work-advancing movements to said feed-dog.

2,409,243
COLLAPSIBLE TYPE EYESHIELD
Daniel P. Bernheim, Southbridge, and Myer M. Glasberg, Revere, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 3, 1942, Serial No. 453,352
3 Claims. (Cl. 2—14)



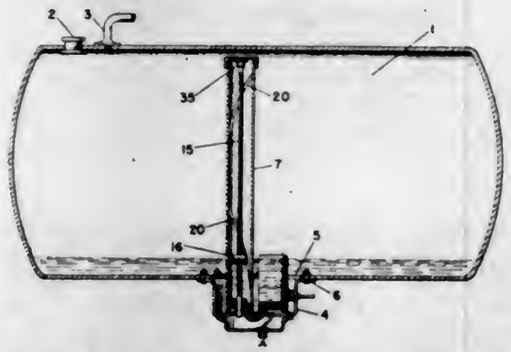
1. An eye protection device of the character described comprising a main shield portion of transparent plastic material embodying two sections hingedly connected with each other and so shaped as to form a nasal recess in the lower edge thereof and having opposed side edges curving outwardly, said main shield portion constituting the entire front area portion of the eye protection device, edge binding means of flexible means secured throughout the entire contour edge of said main shield portion by threadlike stitchings, side shield portions formed with forwardly curving edges of a shape similar to the shape of the side edges of the main shield portion, said side shield portions each having a flexible binding throughout the contour edge thereof with the portion of the binding throughout the forwardly curving edges being hingedly connected to the binding of said side curved edges of the main shield portion, a top shield member of flexible material having a flexible binding throughout its contour edge with the forward portions thereof secured to the binding on the upper edge of the main shield portion and continuing outwardly and secured to the binding throughout the major portion of the upper edge of the side shield portions, said top shield member having a rear edge portion throughout the length thereof shaped substantially to a controlled face engaging edge shape, the opposed ends of the hinged edge portion of the top shield member tapering toward and blending with the rear contour edge adjacent the ends thereof, said top shield member thereby forming closure means extending between the top edges of the main and side shield portions and the face engaging edge thereof, and a strap-like member suspended from the top shield member having a cushion-like member carried by its free end adapted to lie between the connection hinge of the sections of the main shield portion and the bridge of the nose so as to space the main shield portion from the face.

2,409,244
GLASS ELECTRIC HOT PLATE
John Bilan, Flint, Mich.
Original application November 5, 1943, Serial No. 509,063, now Patent No. 2,391,382, December 25, 1945. Divided and this application December 7, 1944, Serial No. 567,009
1 Claim. (Cl. 219—37)



A burner comprising a glass plate, an electric wire coil of high resistance imbedded therein, said wire coil including a plurality of strands concentrically arranged, and a plurality of annular ridges concentrically arranged and extending from one face of said plate, said plate being provided with a plurality of spaced openings transversely of the body of said plate, said openings being positioned within the several concentric areas in said plate defined by said strands.

2,409,245
FUEL SYSTEM
John B. Black, Middle River, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application August 12, 1944, Serial No. 549,270
8 Claims. (Cl. 222—66)

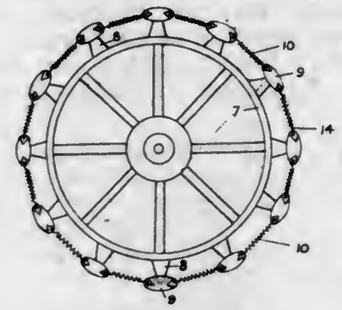


2. A plurality of liquid storage tanks each having a sump formed therein, a pump for each of said tanks mounted in said sump having the inlet thereof in the sump, below the bottom of said tanks, means in said sump responsive to the level of the liquid in a tank to stop the pump when the liquid level falls into said sump, and means actuated upon the stoppage of said pump to energize the pump of the next full tank.

2,409,246
TRACTOR WHEEL ATTACHMENT
Charles Alfred Breeze, Aberdeen, Scotland
Application December 10, 1943, Serial No. 513,681
In Great Britain December 12, 1942
11 Claims. (Cl. 301—39)

1. An attachment for encircling circumferentially spaced projections on the rim of a tractor

wheel, comprising a plurality of shoes, each shorter in length than the distance between said projections so as to detachably fit over one of said



projections on the tractor wheel rim and provide a bearing surface, and elastically extensible and contractible means flexibly connecting said shoes together in band formation.

2,409,247
POLYMERIZATION PROCESS
John W. Brooks, Wenonah, and Arlie A. O'Kelly, Woodbury, N. J., and Robert H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application December 30, 1943, Serial No. 516,243
7 Claims. (Cl. 260—683.15)

1. The process of polymerizing olefinic hydrocarbons, which comprises establishing a reaction zone; reacting outside said reaction zone, anhydrous hydrofluoric acid with phosphorus pentoxide, to yield a reaction mixture; and contacting olefinic hydrocarbons with said reaction mixture, in said reaction zone under polymerizing conditions including temperatures varying between about 0° and about 60° C.

2,409,248
POLYMERIZATION
John W. Brooks, Wenonah, and Arlie A. O'Kelly, Woodbury, N. J., and Robert H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application June 14, 1944, Serial No. 540,316
12 Claims. (Cl. 260—683.15)

7. The process of polymerizing olefinic hydrocarbons, which comprises contacting said olefinic hydrocarbons with polymerization catalytic material selected from the group consisting of monofluophosphoric acid and difluophosphoric acid, in a reaction zone, at temperatures varying between about 32° F. and about 140° F., and at a pressure sufficient to maintain the olefinic hydrocarbons in liquid phase, said catalytic material being prepared outside said reaction zone.

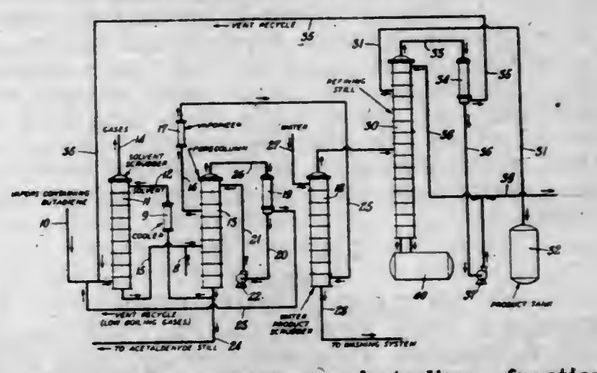
2,409,249
INSULATING COVERING AND METHOD OF MAKING THE SAME
George B. Brown, Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application May 22, 1941, Serial No. 394,592
16 Claims. (Cl. 154—28)

1. An insulating covering comprising a plurality of plies of corrugated paper, with each ply including corrugations of different widths, the corrugations of each ply extending in substantially the same direction and oblique to the longi-



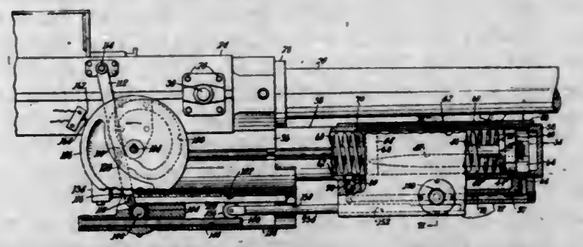
tudinal dimension of the covering but in predominantly non-nesting relationship with the corrugations of adjacent plies.

2,409,250
SEPARATION OF BUTADIENE
Edward J. Cannon, Dunbar, and Herbert A. Stuewe, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application November 7, 1944, Serial No. 562,344
6 Claims. (Cl. 260—681.5)



1. Process for isolating a butadiene fraction from a gas mixture containing butadiene and hydrocarbons of greater volatility than butadiene, which comprises scrubbing such mixture with a solvent to obtain a solution containing butadiene and some of the more volatile hydrocarbons, and a scrubbed gas substantially free of butadiene, distilling the solution and removing a butadiene fraction at a point below the head of the column and above the feed point, condensing part of the vapors from the top of the column and returning the condensate as reflux to the column, and returning the uncondensed vapors to the scrubbing operation.

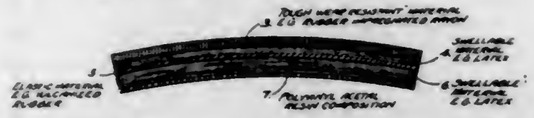
2,409,251
AUTOMATIC FIREARM
Joseph C. Cantley, Beverly, and Arthur F. Pym, deceased, late of Topsfield, Mass., by George H. Heys, administrator, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 14, 1945, Serial No. 593,640
8 Claims. (Cl. 89—3)



1. In an automatic gun, a unit for resisting recoil and counter-recoil movement of parts of the gun, means for varying the amount of resistance

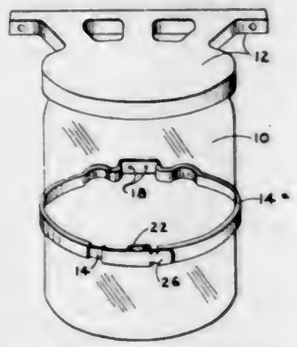
offered by said unit, a movable control member having a substantially uniform velocity-curve, a member movable in response to recoil and counter-recoil movement of one or more of said parts of the gun, and mechanism operative in response to differences in speed between said members for controlling said means.

2,409,252
CONTAINER
Thomas S. Carswell, Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application November 7, 1941, Serial No. 418,231
2 Claims. (Cl. 154—43.5)



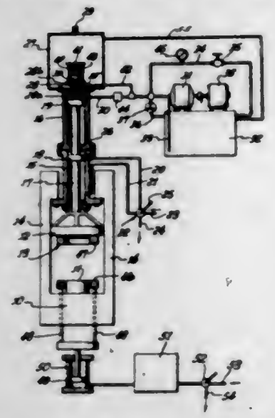
1. In a gasoline container characterized by the ability to self-seal when in contact with gasoline after the passage of a bullet therethrough, a wall having a layer of rubber-impregnated rayon, a layer of latex, a layer of vulcanized rubber, another layer of latex and an inner layer comprising a plasticized sheet of polyvinyl formal resin containing by weight from about 5 to 15% hydroxyl groups calculated as polyvinyl alcohol and from about 0 to 15% acetate groups calculated as polyvinyl acetate and the rest substantially acetal.

2,409,253
CLAMPING STRUCTURE
Stephen J. Chris, Pacific Palisades, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application February 28, 1944, Serial No. 524,325
3 Claims. (Cl. 248—316)



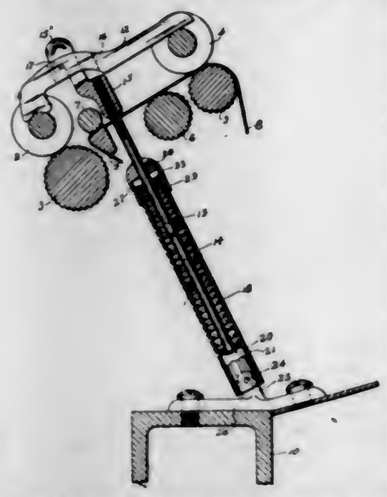
1. A securing device, comprising: a flexible band of inextensible material bent substantially to a hoop shape; means carried by the opposite ends of said band cooperative with each other for drawing and securing the same together to impart a hoop compression to an article circumscribed by the band, the medial portion of the band being formed with a plurality of oppositely directed U-shaped portions, the bow of at least one of said portions being substantially flat and adapted to be clamped in facewise engagement against a flat supporting surface, the band between said U-shaped portions and the ends thereof being smoothly curved and free of any transverse deformation, the material of said band being sufficiently flexible to permit said U-shaped portions to be elongated when the ends of the bands are drawn together whereby the effective diameter of said device can be increased so that articles of varying diameters can be circumscribed and securely clamped by the device.

2,409,254
APPARATUS FOR DIE-FORMING SHEET MATERIAL
John E. Conzelman, Jr., San Diego, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application June 2, 1944, Serial No. 538,431
2 Claims. (Cl. 113—45)



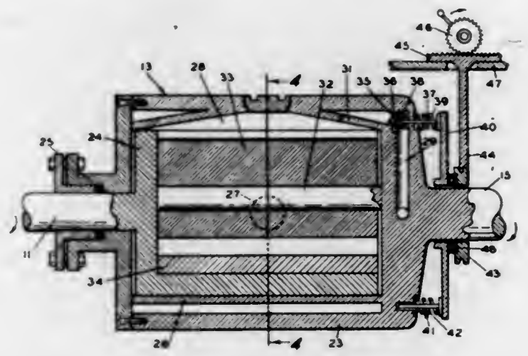
1. Apparatus of the type described comprising: a bed member for supporting a first die; a platen for supporting a second complementary die; pressure liquid actuating means for moving said platen toward said bed through a stroke sufficient to fully form a workpiece between said dies, said means including a pump of high pressure but low volume characteristics; and compressed air actuating means for reciprocating said platen with relatively small force and relatively great speed toward and away from said bed through a stroke sufficient to fully form a workpiece between said dies; said pressure liquid actuating means including a piston and cylinder, and means for venting said cylinder during actuation of said platen by said compressed air means.

2,409,255
WEIGHTING APPARATUS FOR TEXTILE DRAFTING MECHANISMS
Louis M. Cotchett, Hingham, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application January 18, 1945, Serial No. 573,359
4 Claims. (Cl. 19—135)



1. A weighting apparatus for one or more of the top rolls of a textile drawing mechanism, comprising a saddle having a vertical slot therein, a pin extending transversely across said slot, a spring loaded stirrup rod, and a connector releasably hooked over said pin, said rod being screw-threaded into said connector with its upper end slotted to take a screw-driver, and said end being accessible through said slot, the rotation of said rod serving to adjust the pressure applied to said saddle.

2,409,256
HYDRAULIC COUPLING
Wilbur J. Crites, deceased, late of Bartlesville, Okla., by First National Bank in Bartlesville, executor, Bartlesville, Okla., said Crites assignor to Phillips Petroleum Company, a corporation of Delaware
Original application March 6, 1942, Serial No. 433,676. Divided and this application February 1, 1944, Serial No. 520,898
1 Claim. (Cl. 192—58)



A fluid coupling for transmitting energy from a rotatable driving shaft to a rotatable driven shaft comprising a housing adapted to be connected to one of the above mentioned shafts; a positive displacement pump including a pump chamber formed within the housing, a pump rotor rotatably disposed in the chamber and adapted to be connected to the other above mentioned shaft, a fluid inlet and a fluid outlet communicating with the chamber; a conduit establishing communication between the inlet and the outlet; and valve means for controlling the flow of fluid through the conduit, comprising a valve seat in the conduit, a valve stem, a valve head slidable on the stem to seat on the valve seat, yieldable resilient means urging the stem away from the seat, an annular plate secured to the stem and disposed around the adjacent one of the shafts, and means slidable and rotatable relative to the last mentioned shaft to adjust the stem toward the seat by overcoming the force of the yieldable means.

2,409,257
ACID FADING INHIBITION
Cyril M. Croft and Thomas S. Waller, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 9, 1943, Serial No. 471,880
7 Claims. (Cl. 8—61)

1. Process for improving the fastness of colorations on dyed organic derivative of cellulose textile materials to acid fading, which comprises impregnating said colored organic derivative of cellulose textile material with an aqueous solution of triethanolamine containing an alcohol having at least a solvent or swelling action on said organic derivative of cellulose material without effecting any substantial change in the serimetric characteristics of said textile material.

2,409,258
ASPHALT ADHESIVE
Lewis Davis, Worcester, and Armand J. Gauthier, Brookfield, Mass., assignors to McLaurin-Jones Co., Brookfield, Mass., a corporation of Massachusetts
No Drawing. Application August 24, 1942, Serial No. 455,936
3 Claims. (Cl. 106—277)

1. An adhesive consisting essentially of a mixture of the following constituents:

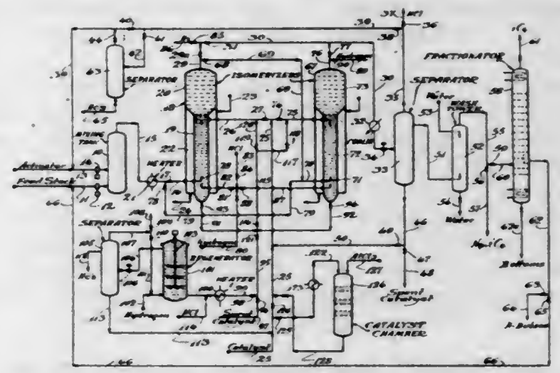
	Parts
Asphalt emulsion	20
Burgundy pitch	3 to 6

in which the asphalt emulsion has a solid content of approximately 50% and said solids having a softening point of between 140° F. and 180° F. and the Burgundy pitch is dispersed in several times its own weight of water.

2,409,259
PREPARATION OF CONJUGATED DIENES
Thomas F. Doumani, Wilmington, and Roland Deery, Long Beach, Calif., now by judicial change of name to Roland Frank Deering, assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application July 13, 1942, Serial No. 450,798
5 Claims. (Cl. 260—666)

1. A thermal process for producing conjugated dienes boiling below about 43° C., in which petroleum hydrocarbon fractions are cracked at temperatures of about 650° C., to 1100° C. and partial pressures of at least atmospheric, whereby both the desired dienes and their dimers are produced; the product is separated into two fractions, the first one boiling below about 65° C. and the second one boiling above about 65° C.; and the second fraction is subjected to a temperature of 600° C. to 1000° C. at subatmospheric pressures with a contact time of about 0.01 to 5 seconds, thereafter quenching the reaction by cooling the reaction product to a temperature below about 300° C. within about 0.5 second.

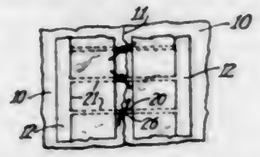
2,409,260
BUTANE ISOMERIZATION
Edmond L. d'Ouville and Bernard L. Evering, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 24, 1943, Serial No. 492,040
13 Claims. (Cl. 260—683.5)



1. The method of producing isobutane which method comprises reacting a saturated hydrocarbon with aluminum chloride in the presence of hydrogen chloride under conditions for producing a liquid aluminum chloride hydrocarbon com-

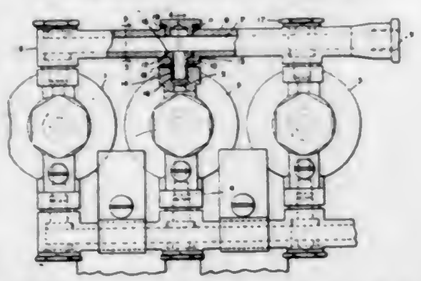
plex having a hydrocarbon content within the range of 16% to 40% by weight based on total complex, continuously contacting a charging stock consisting chiefly of normal butane and substantially free from olefins with said complex in the presence of a hydrogen halide activator under conversion conditions of temperature, pressure and space velocity for effecting isomerization, continuously separating hydrocarbon products from said complex at substantially conversion temperature and under a pressure sufficient to maintain at least a part of said product in a liquid phase, and adding make-up aluminum chloride to said complex employed in the contacting step at such a rate as to maintain the hydrocarbon content of the complex within the range of 16% to 40% by weight.

2,409,261
WOUND CLOSING DEVICE
Raymond Dow, Flushing, N. Y.
Application February 15, 1944, Serial No. 522,427
3 Claims. (Cl. 128—335)



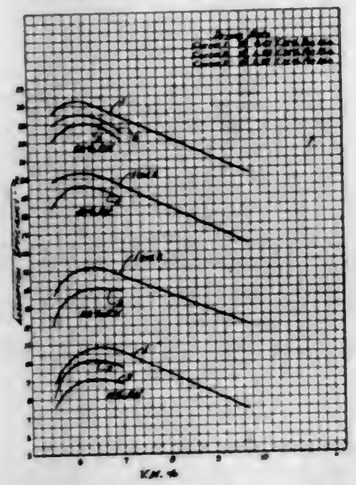
1. In a wound closing device, in combination, an adhesive strip member adapted to be cut into individual portions each for adhesion to the skin in flanking relation to a wound, a continuous filament extending lengthwise of the strip and being arranged at spaced points to present laterally offset double strand extensions presenting elongated portions beyond the edge of said strip for direct coupling to a like strand on a companion strip, each of said extensions being an integral subdivision of the filament, means associated with said strip for holding the portions of the filament between said extension elongations to the strip to provide for an even lateral pull at all points along the length of the strip to close the wound when the strips are drawn toward each other to close the wound and permit intertwisting of said extensions to hold the wound closed.

2,409,262
MANIFOLD ASSEMBLY
Andrew J. Eldred, Grosse Pointe Farms, Mich., assignor to Autopulse Corporation, Detroit, Mich., a corporation of Michigan
Application October 18, 1943, Serial No. 506,785
3 Claims. (Cl. 285—210)



1. A manifold assembly for attachment to a plurality of pump elements each of which has a port which comprises a hollow body having a longitudinal passage and transverse holes positioned for axial alignment with the ports, securing bolts extending through the holes and having threaded shanks outwardly of said body for threaded engagement with the walls of the ports, said bolts being located at the same side of the longitudinal passage as the holes and being hollow to place the ports in communication with the longitudinal passage, said hollow body also having other transverse holes for the insertion therethrough of said securing bolts, and cap screws for closing the last mentioned holes.

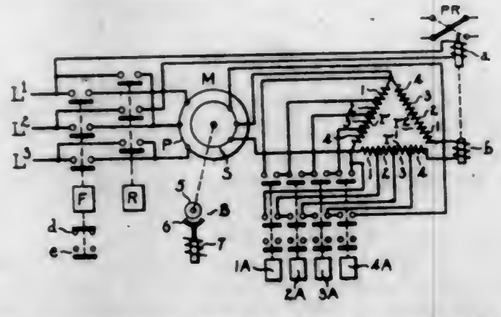
2,409,263
DESICCANT
Frederick J. Ewing, Pasadena, and Roger A. Lovett, East Los Angeles, Calif., assignors to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware
Application April 13, 1943, Serial No. 482,926
3 Claims. (Cl. 252—269)



1. A desiccant consisting essentially of a native montmorillonite acid activatable sub-bentonite clay having a V. M. of about 5.5 to 7%.

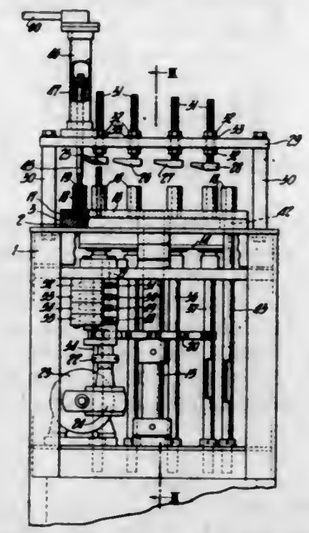
2. The method of producing a desiccant from native montmorillonite acid activatable subbentonite clay which comprises reducing the V. M. of said clay to a V. M. of about 5.5 to 7% by heating to a temperature insufficient to modify the crystal structure of said clay, the reduction of V. M. being effected at an average rate no greater than about 1% V. M. per minute.

2,409,264
MOTOR CONTROLLER
Cyril P. Feldhausen, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 17, 1944, Serial No. 549,855
16 Claims. (Cl. 172—179)



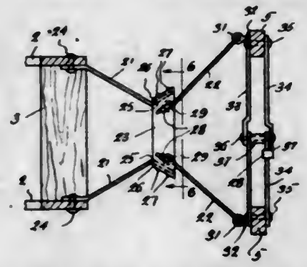
1. In a controller for an electric motor, in combination, resistors for the motor circuit, electroresponsive switches for short-circuiting said resistors, control means to utilize said switches for speed control of the motor, and means for establishing starting connections for the motor and comprising means which always preparatory to motor starting renders ineffective said speed control means and independently thereof energizes certain of said switches for increased motor torque in starting.

2,409,265
CLASSIFIER
George Donald Fenton, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 4, 1944, Serial No. 534,144
6 Claims. (Cl. 209—82)



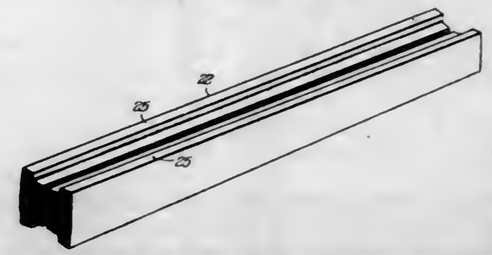
1. A coil spring classifier including a substantially horizontal, smooth, flat metal surface having a series of flush metal trap doors, a plurality of upstanding spring embracements mounted to repetitiously travel over said surface in line with said series to slide thereover the springs upright when loaded therewith in advance of the series, means for causing said embracements to intermittently travel with stops while in registration with said trap doors, a top-spring-end contactor over each trap door above the embracement tops at differing heights, and means for momentarily controlling any of said trap doors and in response to whether the contactor thereover is contacted by a top-spring-end, the classifier including a top-spring-end depressor registered above an embracement-stopping position in advance of said series and means for operating said depressor during said stops.

2,409,266
LADDER
Victor M. Fowler, Spokane, Wash.
Application January 9, 1945, Serial No. 572,039
1 Claim. (Cl. 228—33)



A spreader for a step ladder equipped with legs mounted for swinging movement to retracted and extended positions, said spreader comprising front and rear bars and a transverse bridge, said bridge having depending flanges at its opposite ends diverging rearwardly, said front bars converging rearwardly and having rear end portions bent to provide rearwardly diverging portions secured flat against inner side faces of said flanges, forward end portions of said front arms being bent to extend parallel to each other and adapted to be pivoted to a ladder, eye bolts depending from said bridge, said rear bars having eyes at their front ends loosely engaged through eyes of the eye bolts, rear ends of said rear bars being also formed with eyes and eye bolts loosely engaged through the eyes at rear ends of the rear bars for loosely connecting the rear bars with legs of the ladder.

2,409,267
BEARING STAVE AND METHOD OF MAKING SAME
Thomas L. Gatke, Oak Park, Ill.
Application January 18, 1943, Serial No. 472,747
7 Claims. (Cl. 18—47.5)



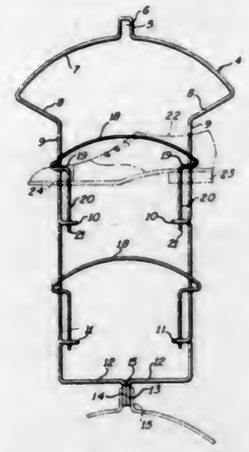
1. The method of making molded composition bearing staves of the type having unsealed bearing faces in which layers of treated fabric are arranged in edgewise relation to the bearing face, which consists in molding two of the staves in a single strip-like blank in a press, with the pressure applied to the blank in a direction perpendicular to the layers, and with the greatest pressure localized in the portions of the blank which ultimately become the bearing faces of the staves whereby to increase the density of the composition in those portions and cause the layers to fan out away from such portions, and thereafter cutting the blank longitudinally between its side edges whereby to produce two staves from the one blank having molded and consequently sealed side edges and backs.

3. The method of making molded composition bearing staves of the type having unsealed bearing faces in which layers of treated fabric are arranged in edgewise relation to the bearing face, which consists in first molding under pressure a laminated fabric composition strip of generally rectangular cross section, which strip is approximately twice as wide as one of the staves is thick and has side edges which are of the same arcuate curvature as the backs of the staves, and which strip is provided on its upper and lower surfaces with relatively wide and shallow grooves spaced from the side edges by ledges which are normal to the curvature of the side edges, and thereafter cutting the strip longitudinally midway between its curved side edges, whereby to produce from the one strip two unbored but otherwise finished edge grain bearing staves having arcuately molded backs and radially molded sides, which backs and sides are sealed as distinguished from unsealed surfaces.

2,409,268
SHOE RACK
Stephen Gerlich, Chicago, Ill.
Application October 5, 1945, Serial No. 620,415
5 Claims. (Cl. 211—35)

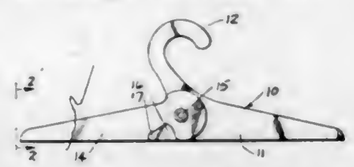
3. A shoe rack comprising, a main support element provided with a head portion having a fas-

tening and locating U shaped portion and two leg portions provided with integrally formed transverse pivotal loop portions oppositely disposed and terminating in an interconnecting portion adapted to locate and retain the fastening and locating U shaped portion of a second shoe rack in depending co-extensive relationship, the said interconnecting portions being of four sided formation and provided with a depressed seating



portion at the upper and inner corner thereof, and at least one auxiliary support element articulately secured to the said main support element having limited articulate movement within an ambit of substantially 45° and arranged to confine a shoe in the apices of the assemblage, the said auxiliary support element including a head portion, side leg portions emanating from the said head portion, and eye portions secured to the said transverse loop portions.

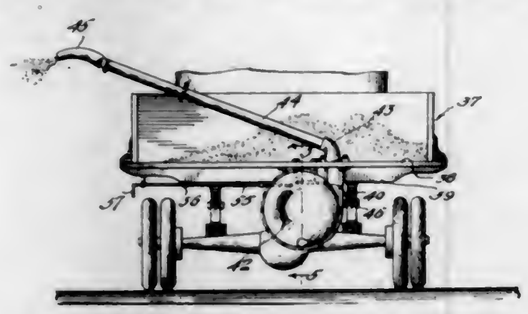
2,409,269
COLLAPSIBLE GARMENT HANGER
William Gersohn, Yonkers, N. Y.
Application March 12, 1945, Serial No. 582,223
9 Claims. (Cl. 223—89)



9. In a garment hanger having a stationary section, a shoulder piece pivotally connected with said stationary section to swing upwards and downwards, and interengaged limiting elements on said stationary section and on said shoulder piece supporting said shoulder piece in a horizontal position and resiliently urged to separate when said shoulder piece is moved upwards, whereupon said shoulder piece is free to be collapsed downwards.

2,409,270
HANDLING GRANULAR MATERIALS
Milton O. Giessner, Salina, Kans.
Application May 31, 1945, Serial No. 596,888
2 Claims. (Cl. 214—83)

1. The combination with a self-propelled vehicle adapted to haul granular material comprising a wheel supported chassis, an engine carried by said chassis, a power takeoff carried by the engine, and a body mounted on said chassis for containing granular material during its transportation, said body having a discharge opening in its bottom to the rear of the drive axle of the vehicle, of means carried by said vehicle body for discharging the granular material therefrom comprising a blower, a chute supported by the vehicle body in alignment with the discharge opening for directing granular material from the body into the blower, a fan in the blower mounted for rotation about an axis which lies parallel with the longitudinal axis of the vehicle below the vehicle

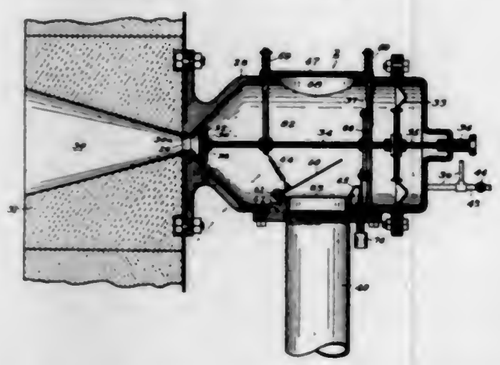


body, means connecting the fan with the power takeoff, an elevator swivelly connected to the discharge end of the blower for delivering the granular material to a predetermined point above the level of the vehicle body, and a slide valve disposed at the intake end of the chute for varying the width of the chute opening and the volume of granular material admitted to the blower.

2,409,271
PROCESS FOR CLEANING ALUMINUM
Natacha Goldowski, Chicago, Ill., assignor to Welding Research, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application March 22, 1943, Serial No. 480,087
2 Claims. (Cl. 148—6)

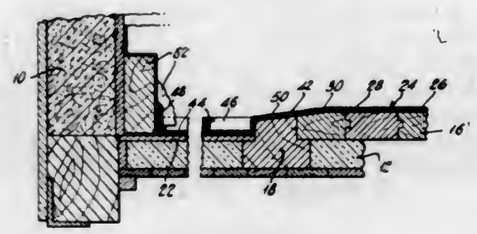
1. A method of cleaning aluminum to prepare the same for welding, which consists in preparing an aqueous solution essentially consisting of approximately twenty per cent sodium sulphate and approximately ten per cent nitric acid, immersing the aluminum in said aqueous solution whereby sodium bisulphate is generated in the presence of nitric acid to effect the desired chemical action on the aluminum for cleaning the same, and then removing said cleaned aluminum from the solution.

2,409,272
INDUSTRIAL FURNACE AND FIRING APPARATUS
James M. Guthrie, Allison Park, Pa., assignor to Frederick S. Bloom, Pittsburgh, Pa.
Application December 2, 1942, Serial No. 467,586
4 Claims. (Cl. 158—7)



1. A pre-mix firing system for a furnace installation including a combustion chamber, a burner, and means for supplying a mixture of air and fuel to said burner, the body of said burner having an inlet for said mixture and an outlet for the passage of the mixture into said combustion chamber, a valve arranged in the burner body to regulate the effective area of said outlet, a pneumatic device, a member connecting said pneumatic device to said valve and being movable to adjust the position of said valve in response to variations in the differential of two pressures acting in opposition on said member, one pressure being the pressure of said mixture, with the effect that the velocity of the mixture streaming into said combustion chamber is normally held at backfire-preventing value, said outlet being disposed adjacent to one end of the burner body and said inlet being disposed between said outlet and said pneumatic device, and a backfire trap disposed across the mouth of said inlet in the line of flow between the inlet and the outlet, said backfire trap being movable into closed position on said inlet under the effect of gaseous pressure acting in reverse direction to the normal line of mixture flow between said inlet and said outlet, said outlet valve being arranged and preconditioned to operate under the effect of said pneumatic device to close said outlet against backfire when the mixture pressure in said burner body drops to critical value, and said trap being arranged and preconditioned to move into inlet-closing position in the event that said valve fails to move into backfire-preventing position in said outlet.

2,409,273
REFRIGERATOR CAR DRIP PAN
Clarence R. Hamilton, Roseville, and James King, Glendale, Calif., and James D. Baker, Winnetka, Ill., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 4, 1943, Serial No. 501,264
10 Claims. (Cl. 105—422)



1. A refrigerator car construction comprising a floor covering, a drip pan at an end of said car, said pan and floor covering being formed of laminated, bitumen-impregnated sheets and a lapped joint between said pan and covering and comprising integral portions thereof.

2,409,274
POLYFLUORO ORGANIC ETHERS AND THEIR PREPARATION
William E. Hanford, Easton, Pa., and George W. Rigby, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1943, Serial No. 484,301
16 Claims. (Cl. 260—614)

14. A polyfluoroethyl ether containing at least three fluorine atoms attached to the ethyl group, of which at least one fluorine atom is attached to the alpha carbon atom.

2,409,275
CHEMICAL COMPOUNDS AND METHOD OF PRODUCING SAME
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application May 19, 1944, Serial No. 536,432
16 Claims. (Cl. 260—404.5)

5. From water-soluble to water-dispersible aliphatic carboxylic acid esters of aliphatic hydroxy-polycarboxylic acids, the aliphatic carboxylic acid radical of which contains less than 6 carbon atoms, at least one carboxyl group of said hydroxy-polycarboxylic acid being amide-linked to a carboxylic acid amide of a polyamine containing at least one free primary amino group, said amide-linkage occurring through said primary amino group of said carboxylic acid amide of a polyamine.

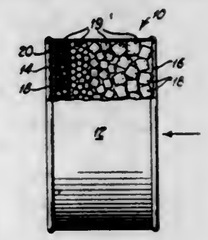
2,409,276
COMPOSITIONS COMPRISING BLOWN TERPENIC PRODUCTS AND VINYL POLYMERS AND METHOD OF MAKING
Mortimer T. Harvey, East Orange, N. J., assignors to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application August 1, 1941, Serial No. 405,073
11 Claims. (Cl. 260—36)

1. The method which comprises heating together from about one part to about ten parts by weight of a blown terpenic product with one part of a polyvinyl ester to form a gel when cold.

2,409,277
PLASTICIZED POLYCHLOROPRENE
Mortimer T. Harvey, South Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application June 27, 1944, Serial No. 542,438
6 Claims. (Cl. 260—36)

1. A composition of matter comprising polymerized 2-chlor butadiene and a plasticizer therefor said plasticizer selected from the group consisting of hydrocarbon ethers of anacardic material and the heat thickened products of said ethers, said anacardic material selected from the group consisting of cashew nut shell liquid and distillates of cashew nut shell liquid, the boiling points of said distillates at 10 mm. of mercury pressure being approximately 225° C.

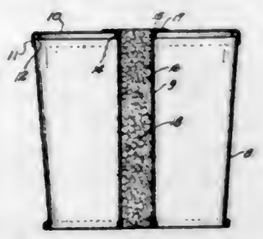
2,409,278
FILTER
Lee Minor Hedges, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application October 1, 1943, Serial No. 504,558
3 Claims. (Cl. 183—45)



1. In a filter unit for the removal of particulate matter from gases, a confined body comprising resilient nodules of mineral wool fibers main-

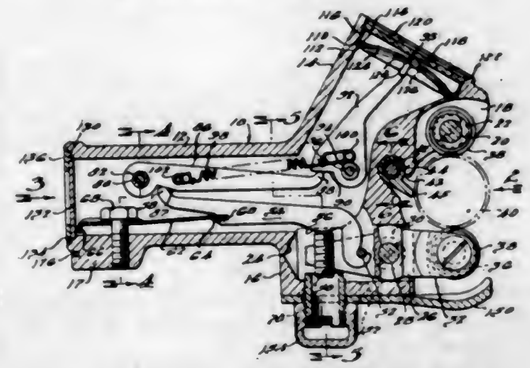
tained in inter-felted relationship by a hardened binder, the nodules being arranged generally in the form of layers and defining voids therebetween, and the nodules of successive layers varying in size from larger nodules in a layer adjacent the entry face of the unit, to smaller nodules in a layer adjacent the air exit face of the unit.

2,409,279
REFRIGERATION APPARATUS
Abe Hiller, Milwaukee, Wis., assignor of one-third to Jack G. Lichtig and one-third to Max Hiller, both of Milwaukee, Wis.
Refiled for abandoned application Serial No. 143,014, May 17, 1937. This application February 5, 1945, Serial No. 576,206
4 Claims. (Cl. 62—1)



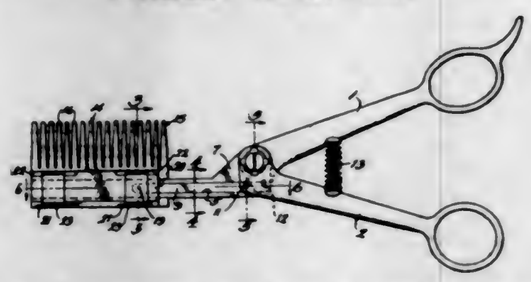
3. A refrigerating package assembly comprising a plurality of stacked containers each enclosing a commodity, a tubular core open at each end extending through each container, said cores of the several containers being in alignment with one another, a tubular member inserted in the aligned cores of said containers and readily removable therefrom, said tubular member being adapted to receive a refrigerant.

2,409,280
COMPARATOR
Ernest F. Hohwart, Detroit, Mich., assignor to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan
Application May 28, 1943, Serial No. 488,845
11 Claims. (Cl. 33—199)



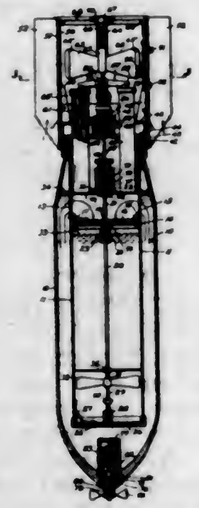
4. In a device of the type described, in combination, a hollow housing, a gage member rotatably mounted on said housing exteriorly thereof, a lever pivotally mounted between its ends on said housing with one end thereof positioned interiorly of said housing and the opposite end thereof exteriorly of said housing, a gage member rotatably supported by said outer end of said lever about an axis parallel to the axis of rotation of the first mentioned gage member, a face plate disposed over an opening in said housing, indicia operatively associated with said face plate, a pointer member pivotally mounted within said housing and having a pointer end arranged for sweeping movement relative to said face plate, motion multiplying means interconnecting the first mentioned lever with said pointer member, means constantly urging said lever in a pivotal direction to diminish the distance between said gage members, a stop screw threaded through said housing into engaging relation with respect to said lever for limiting movement of said lever in the last-mentioned direction, lock means for said screw, and a guard member secured to said housing by said lock means and extending therefrom into protective relation to the outer end of said lever and said gage member carried thereby.

2,409,281
TONSORIAL DEVICE
Neil Holsclaw, Los Angeles, Calif., assignor of one-half to Fred E. Sudlow, Rock Island, Ill.
Application February 8, 1945, Serial No. 576,795
8 Claims. (Cl. 30—213)



8. In a device of the class described comprising a pair of cooperating cutter members each having forwardly projecting elongated spaced teeth, means for reciprocating each of the cutter members simultaneously in opposite directions, three edges of each tooth of each of said cutter members being tapered toward the free end thereof, the inner face of each tooth lying in a flat plane to form a shearing face, and the opposed teeth being slightly spaced at their tips.

2,409,282
DUAL-PURPOSE AERIAL BOMB
Nevil Monroe Hopkins, New York, N. Y.; Raymonde B. Hopkins, executor of said Nevil Monroe Hopkins, deceased, assignor, by mesne assignments, to Raymonde Briggs Hopkins, Samuel Lloyd, and Murray T. Quigg, as trustees
Application June 18, 1942, Serial No. 447,570
7 Claims. (Cl. 102—2)



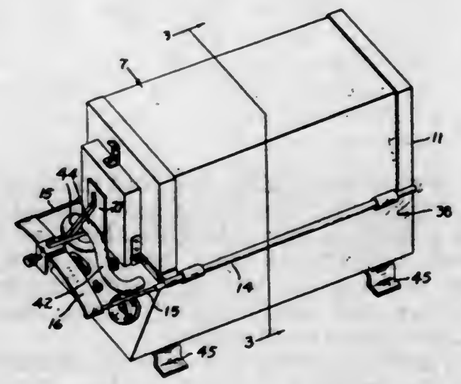
1. An explosive device, comprising a casing and a liquid therein, a closed chamber containing a second liquid and disposed within the liquid in said casing, the two liquids when admixed forming a highly sensitive explosive mixture, chamber-opening means provided with an impeller having threaded engagement therewith of such character as initially to establish relative movement between the chamber-opening means and said impeller as well as longitudinal movement of said impeller upon said chamber-opening means, said impeller establishing a forced admixing circuit of the two liquids after opening of said chamber, said chamber-opening means provided with a stop device for limiting the longitudinal movement of the impeller and stopping the relative movement between the impeller and the chamber-opening means, and means comprising mechanism for delaying the time of opening of said chamber.

2,409,283
COUPLING FOR PLASTIC TUBES
James L. Hudson, Detroit, Mich.
Application April 21, 1943, Serial No. 483,862
3 Claims. (Cl. 285—115)



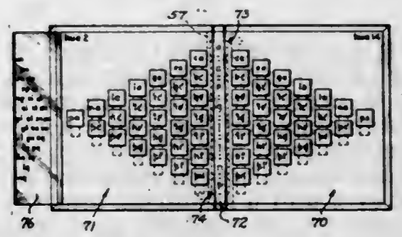
1. A coupling comprising a tube element of plastic material, an element such as a terminal piece or fitting of plastic material, one of the elements being constructed to telescopingly receive the other, a connection between the interfacing telescoping surfaces comprising a cement of plastic material unitable with the plastic material of both elements, a sleeve positioned within one of the elements and having a part with its external wall spaced from the inner wall of the other element to provide a space for confining excess cement.

2,409,284
MEANS FOR GLASS HARDENING
George W. Jackson, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 10, 1943, Serial No. 486,467
8 Claims. (Cl. 49—45)



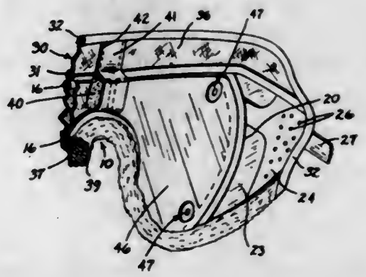
8. In a device of the character described, a furnace having a heating chamber with an entrance opening therein, bar members adjustably mounted on the outer sidewalls of said furnace and a work supporting member carried by the bar members having means thereon for supporting work to be treated for movement into and out of the heating chamber through the entrance opening and means adjacent the entrance opening for spraying gases upon the work when moved to a given position outwardly of the heating chamber.

2,409,285
COLOR CHART SYSTEM
Egbert Jacobson, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application July 9, 1943, Serial No. 494,082
8 Claims. (Cl. 35—26)



1. In a hinged, two-panel folder having a group of color indicia disposed thereon constituting two complementary color sub-groups of an axial cross-section extending to opposite sides of an Ostwald color solid, one sub-group of indicia being disposed on each panel of the folder, a separate panel carrying a third sub-group of indicia varying from white to black and constituting the axis of the Ostwald color solid, and means for separably connecting the last mentioned panel along the hinge of the folder, whereby positioning of the axis sub-group completes the cross-section of the Ostwald color solid.

2,409,286
EYE PROTECTIVE MEANS
William J. Joyce, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 7, 1943, Serial No. 501,453
4 Claims. (Cl. 2—14)



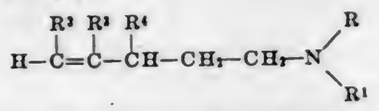
1. In a device of the character described the combination of a main shield means, side shield members secured to the opposed sides of said main shield means, a spacer pad of resilient material supported intermediate the main shield means, the opposed sides of said pad being spaced from the inner surface of said main shield means to provide attachment recesses, auxiliary shield means comprising two sections which when supported in position of use are shaped substantially to the shape of the main shield means, each of said auxiliary shield means having an inner end portion shaped to extend within one of said attachment recesses and detachable means for securing said auxiliary shield means in superimposed relation with the main shield means.

2,409,287
UNSATURATED AMINES AND PROCESS FOR MAKING SAME

Morris S. Kharasch and Charles F. Fuchs, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application January 4, 1943, Serial No. 471,294
14 Claims. (Cl. 260—583)

2. The new compounds having the following general formula:



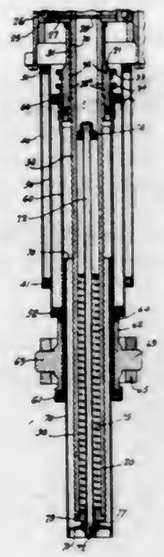
in which R and R^1 represent radicals of the class consisting of (*a*) alkyl radicals which together have not to exceed 8 carbon atoms when they are not interconnected but which when they are interconnected form with the nitrogen to which they are attached a heterocyclic ring of the class consisting of 5 and 6 members, and (*b*) alicyclic radicals, and R^2, R^3, and R^4 each represents a member of the class consisting of hydrogen and alkyl radicals of not to exceed 3 carbon atoms.

10. 5-diethylaminopentene-1.

2,409,288
ACTUATOR SEAL

Robert W. Leland, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 24, 1945, Serial No. 579,521
10 Claims. (Cl. 74—424.8)

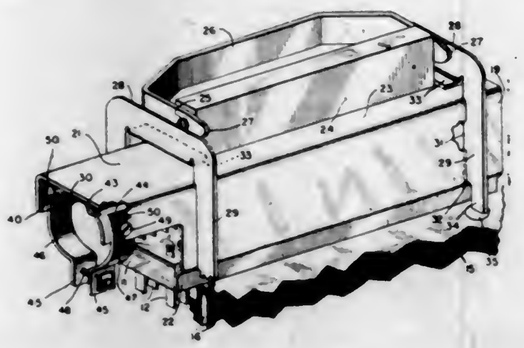


1. In a device for moving a load, the combination with a rotatable screw shaft and a nut; of a member attached to the nut to render it non-rotatable but capable of longitudinal movement on the screw in response to rotation thereof; an extensible and collapsible shield surrounding the screw and nut, comprising telescopically engaging tubular members, one of which is attached to the nut and has the load supported thereon; and means interposed between the screw shaft and one of said tubular members, said means being energized by the movement of the nut during its final range of movement toward the one end of the screw shaft for moving said one tubular member with the nut as it moves from said one end of the screw shaft toward the opposite end.

2,409,289
PLUG SEPARATOR

Carl A. Levin and Otto A. Lorenz, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application September 20, 1943, Serial No. 503,020
4 Claims. (Cl. 173—328)

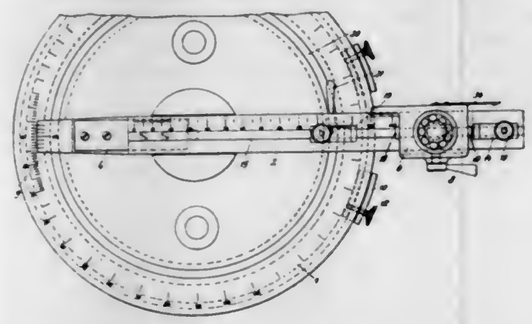


1. A separator for multiple-prong connection plugs comprising, a pair of yokes straddling one element of a connection coupling and supported for movement toward and away from abutment with the other element of said coupling, and a member having opposite camming portions effective upon said pair of yokes and pivotally carried by said one of said pair of elements, said camming portions being concurrently effective to move said yokes for thereby maintaining parallelism during separation of said one of said connection elements from the other of said pair of elements.

2,409,290
TOOL GUIDING DEVICE

Rudolf Wilhelm Lipp, Berlin-Pankow, Germany; vested in the Alien Property Custodian

Application March 10, 1941, Serial No. 382,644
In Germany March 2, 1940
12 Claims. (Cl. 33—26)



1. A device for guiding the tool in copying machines, engraving machines and the like, comprising a base, a bar rotatable about an axis on said base, adjustable stops on said base, and a slide for guiding the tool and radially adjustable on said bar, said bar being adjustable centrically of said axis between said stops.

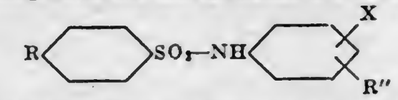
12. A device according to claim 1, characterized in that the bar is secured on a plate which is rotatably inserted in the base and that the bar is of such a length that the slide can be used on both sides of the center of the device, a rack connected to the slide cooperating with a toothed wheel stationarily disposed in the center of the device, the oscillatable rack bearing against an abutment adjustable and displaceable in the center of the device.

2,409,291
CHEMOTHERAPEUTIC SULFANILAMIDE DERIVATIVES

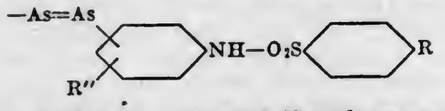
William A. Lott, Maplewood, and Raymond Van Winkle, Highland Park, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application May 19, 1942, Serial No. 443,622
6 Claims. (Cl. 260—440)

1. A compound of the general formula



wherein X represents a member of the class consisting of —As=O, —As (halogen)$_2$, and

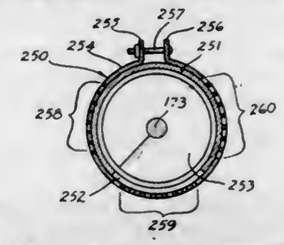


R represents a member of the class consisting of nitro- amino, (lower alkyl)-amino, and acylamino, and R'' represents a member of the class consisting of hydrogen and hydroxy.

2,409,292
STATIONARY CONCAVE SCREEN

Wallace F. MacGregor, deceased, late of Racine, Wis., by Richard D. Miller, special administrator, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation

Original application February 12, 1940, Serial No. 318,504. Divided and this application July 22, 1944, Serial No. 546,078
3 Claims. (Cl. 209—283)



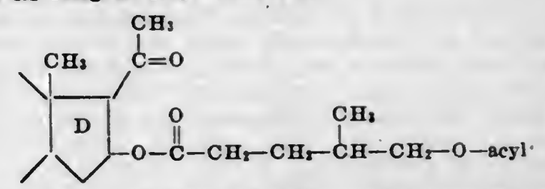
3. In a weed screen, the combination of a tubular housing extending in a substantially horizontal direction, a conveyor auger in the housing and disposed to propel grain containing undesirable particles through said housing by virtue of rotation of said conveyor auger, said housing providing an opening in the bottom wall thereof, a sleeve disposed about said housing so as to cover said opening, said sleeve providing a plurality of sets of screening perforations of different sizes registerable with said opening as desired by shifting of said sleeve on said housing, means for securing the sleeve in place on the housing, said sleeve being freely shiftable on the housing except when the securing means is operative, and a receptacle disposed beneath said opening for receiving particles screened from the grain through said perforations.

2,409,293
HORMONE INTERMEDIATES AND PREPARATION OF SAME

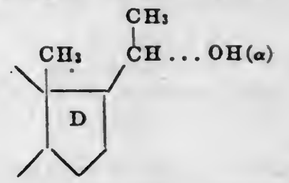
Russell Earl Marker, Mexico City, Mexico, assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Original application June 30, 1941, Serial No. 400,559. Divided and this application May 24, 1944, Serial No. 537,201
5 Claims. (Cl. 260—397.4)

1. Process for preparing hydroxy-pregnane derivatives which comprise subjecting a steroid having in ring D the structure



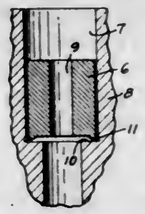
to the action of an alkali metal in combination with an alcohol reactive with said alkali metal to form nascent hydrogen, thereby producing a steroid having in ring D the structure



2,409,294
PASSAGE PLUG

Charles L. Martin, Overland, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application November 15, 1943, Serial No. 510,438
6 Claims. (Cl. 138—44)

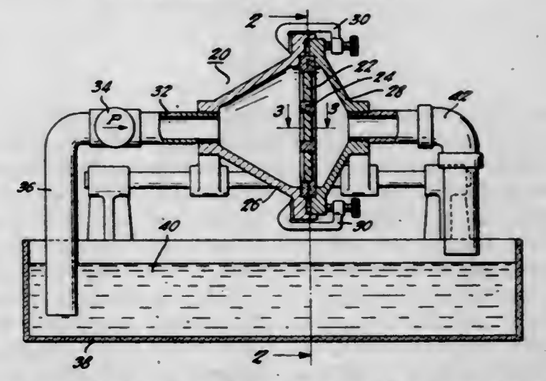


1. A passage plug comprising a rigid body part for closely fitting an orifice and an axially projecting element for embedding in the orifice wall upon the application of axial pressure to the plug when lodged in an orifice, said element being distortable on application to an orifice to firmly maintain the assembly therewith.

2,409,295
POROUS METAL ARTICLE

John T. Marvin and Roland P. Koehring, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 8, 1941, Serial No. 422,138
3 Claims. (Cl. 117—99)



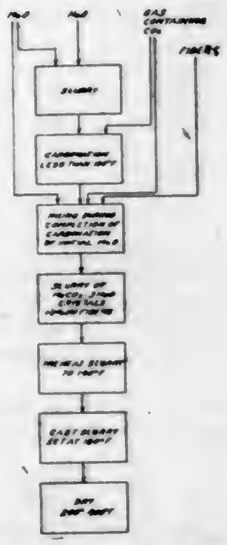
1. A method of coating the entire porous surface of a porous metal article having pores passing completely through the article with a metal lower in the electrochemical series than the metal of the article and wherein the coating is metallurgically bonded to the surface of the article, the steps comprising; continuously circulating solely

by mechanical pressure a liquid carrying the coating metal through the pores of a porous metal article for a time sufficient to cause the desired deposition of the metal in said liquid on the surface of the pores of said article, and finally heating the article at a temperature below the melting point of the coating metal for a time sufficient to cause at least partial metallurgical diffusion of the coating metal into the metal of the article whereby the surface characteristics of the porous metal article are those of the metal deposited on the surfaces of the walls of the pores without destroying the porosity of the article.

2,409,296
LUBRICANTS
Rush F. McCleary, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 12, 1944, Serial No. 530,731
4 Claims. (Cl. 252—46.3)

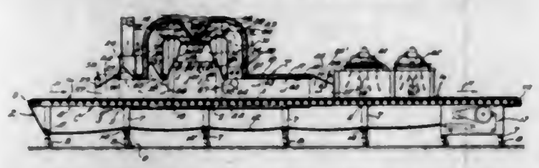
1. A lubricant comprising a hydrocarbon oil and a small quantity, less than 5% by weight, of an oil-soluble sulfurized derivative of partially hydrogenated cardanol.

2,409,297
PROCESS FOR PRODUCING MOLDED BASIC MAGNESIUM CARBONATE
Alan R. McGarvey, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application May 1, 1942, Serial No. 441,380
12 Claims. (Cl. 106—121)



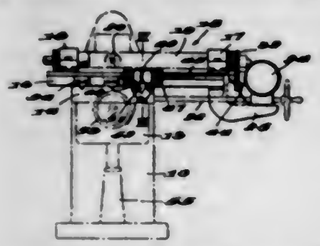
3. In the method of making molded basic magnesium carbonate compositions, the steps of preparing a slurry of a magnesium compound selected from the group consisting of magnesium oxide and magnesium hydroxide in water, the initial concentration of the slurry being such that there are from approximately 9 to approximately 14 parts by weight of water for each part by weight of said magnesium compound based on its MgO content, introducing therein carbon dioxide gas while maintaining the said slurry at low temperatures below 100° F. until substantially all of said magnesium compound is converted to self-setting crystals generally represented as normal magnesium carbonate, thereafter forming said slurry of self-setting crystals in water so produced into the desired shape, and heating the slurry to cause it to set.

2,409,298
DRIER FOR DECORATED WARE
Donald G. Merrill, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application March 10, 1945, Serial No. 582,087
8 Claims. (Cl. 34—66)



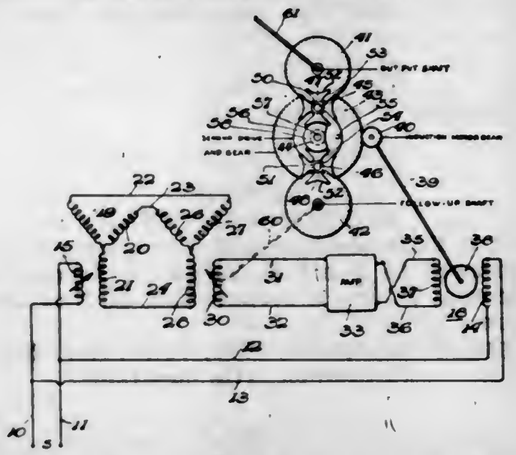
8. An apparatus of the character described comprising a tunnel open at its ends, a conveyor having a substantially horizontal portion extending through the tunnel and on which decorated glass articles or the like may be placed so as to be carried through the tunnel when the conveyor is driven, means for driving the conveyor, a hood on said tunnel having a chamber therein in open communication at its bottom with the interior of the tunnel throughout substantially the full width of the latter and for only part of the length thereof, means within said chamber to divide it transversely for part of its height into a rear substantially vertical uptake passage nearest to the exit end of the tunnel, a downtake passage directly in front of the rear uptake passage, a front uptake passage in front of said downtake passage, and a mixing space above and in communication with the upper ends of said uptake and downtake passages, a fan in the upper part of said downtake passage for drawing gases upwardly from the tunnel through said uptake passages into said mixing space and thence to the downtake passage and for blowing gases downwardly through the latter back into the tunnel, heating means in one of said uptake passages, and a dampered stack communicating with said tunnel in advance of said chamber.

2,409,299
GROOVE-FORMING ATTACHMENT FOR MACHINE TOOLS
Joseph Messana, Jr., Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application May 16, 1944, Serial No. 535,860
3 Claims. (Cl. 90—11.50)



1. A groove-forming attachment for milling machines of the type embodying a frame, a vertically adjustable knee and a rotary end-cutting tool, said attachment comprising a saddle section movably supported on said knee for longitudinal adjustment in a direction parallel to the principal axis of the cutting tool, a table mounted on said saddle section for bodily movement in unison therewith toward and away from said tool and for sliding movement relative to said saddle section in directions substantially at right angles to the axis of said cutting tool, spaced bearings provided on said table for the rotatable reception of a cylindrical work piece in which end grooves are adapted to be cut, said end grooves being substantially elliptical in outline when the work piece is viewed in elevation and being employed to unite the ends of relatively intersecting helical grooves produced in said work piece, motion-transmitting gearing on said table for imparting rotation to said work piece about its longitudinal axis, a forming member rotatably mounted on said table, said forming member having a groove formed therein corresponding in configuration to the end grooves to be cut in said work piece, means driven by said gearing for rotating said forming member in synchronism with the rotation of the work piece, and a fixed arm mounted on said saddle section and engageable with the groove in said forming member, whereby rotation of said forming member serves to impart regulated longitudinal movement to said table and the work piece thereon during rotation of said work piece and while same is in engagement with said cutting tool.

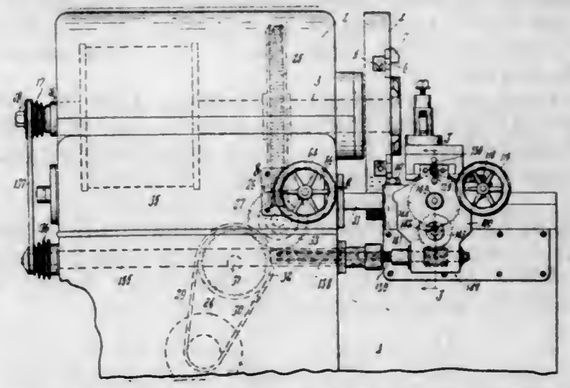
2,409,300
STEP-BY-STEP FOLLOW-UP AND ANTIHUNT MECHANISM
George S. Miles, Maywood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 31, 1943, Serial No. 516,436
12 Claims. (Cl. 172—239)



1. In a self-synchronous remote control system including a servo motor driven thereby, a follow-up connection comprising a pair of alternately actuated gears, an intermediate constantly driven gear in mesh with each of said alternately actuated gears, means carried by one of said gears adapted to provide for said alternate actuation, and a pair of take off shafts from each of said alternately actuated gears, one of said shafts being connected to the rotor of a self-synchronous receiver in said control system and the other of said shafts being connected to an object to be controlled by the system, whereby said shaft connected to the object to be controlled is locked when said motor is deenergized to prevent oscillations of the said shaft and the object connected thereto from the newly attained position.

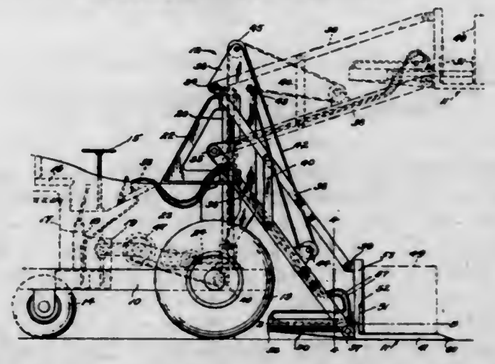
2,409,301
CAM CUTTING MACHINE
Carroll E. Miller and Daniel H. Parker, Windsor, Vt., assignors to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont
Application November 11, 1942, Serial No. 465,226
6 Claims. (Cl. 82—19)

1. A cam cutting machine comprising a bed, a work spindle journaled in said bed, a cam blank holding chuck secured to said spindle, a carriage movable on said bed substantially parallel to the axis of said spindle, a cross slide movable on said carriage, a cam cutting tool carried by said cross slide, a master cam coupled for rotation with said spindle, a lever, a cam follower in operative relation to said master cam and operatively connected to said lever, said lever



having a guide portion extending outwardly from its fulcrum, a member adjustable along said guide portion, an arm connected to said carriage and provided with a transversely extending head, a threaded shaft journaled in said head, a nut on said shaft carrying said member, and means for rotating said shaft to adjust said member relative to the fulcrum of said lever.

2,409,302
MACHINE FOR LIFTING AND STACKING RECEPTACLES
Arnold S. Millikin, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application October 14, 1944, Serial No. 558,650
2 Claims. (Cl. 214—132)

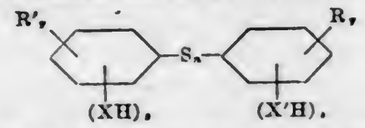


1. A loading machine comprising a frame having steering and driving wheels at the opposite ends thereof, an operating engine supported by said frame and disposed over said steering wheels, means driven by said engine for imparting power to said driving wheels, a vertical mast structure supported by said frame at one end thereof and disposed over said driving wheels, reversible power-transmitting means driven by said engine for turning said mast structure about its vertical axis, spaced upper and lower pairs of boom arms having their inner ends pivotally connected in vertically aligned order with said mast structure, a load carrier having a substantially vertical rear wall and a horizontal bottom wall, vertically aligned means pivotally uniting the outer ends of said boom arms with the rear wall of said carrier, a drum driven by said engine and rotatably mounted on said frame between said mast structure and said engine, a cable connected at one end with said mast structure and trained around guides carried by said boom arms and said mast

structure to said drum, whereby to raise and lower said boom arms and carrier, and a slidable ejector ram mounted on the rear wall of said carrier.

2,409,303
LUBRICATING OIL
John R. Morris, Lawrenceville, Ill., and Rush F. McCleary, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Original application April 26, 1941, Serial No. 390,540, now Patent No. 2,374,559, dated April 24, 1945. Divided and this application May 12, 1944, Serial No. 535,362
6 Claims. (Cl. 252—42.7)

1. A lubricating composition comprising a mineral lubricating oil having incorporated therein 0.1–5.0% by weight of an oil-soluble metal derivative of a compound of the formula



in which R and R' are radicals selected from the group consisting of alkyl, aralkyl, cycloalkyl and naphthenyl, the alkyl portion of which contains at least 5 carbon atoms, X and X' are elements from the group consisting of oxygen and sulfur, *n*, *y*, *z* are integers of at least 1, and in which the aromatic nuclei are selected from the group consisting of phenyl, naphthyl, anthracyl and other condensed nuclei, and 0.5–5.0% by weight of a sulfurized terpene hydrocarbon.

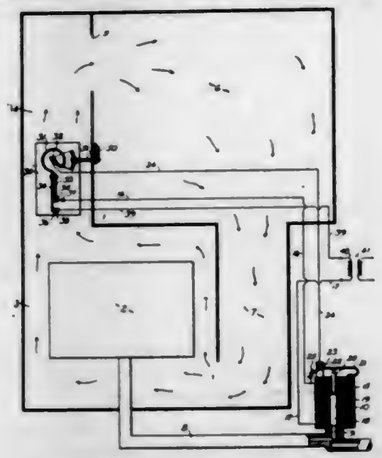
2,409,304
COMPRESSIBLE CORE FOR COOLING PIPES
Joseph I. Morrison, Lincolnwood, Ill.
Application April 1, 1943, Serial No. 481,451
2 Claims. (Cl. 138—28)



1. A cooling pipe of uniform cross section having a flexible compressible laterally bendable core of uniform cross section therein extending longitudinally of the pipe and spaced from the walls thereof to provide a liquid flow passage between the inner wall of the pipe and the outer wall of the core extending from end to end of the pipe, and means for positioning and centering the core inside the pipe comprising a helical wire surrounding the core and engaging the inside walls of the pipe, the cross-sectional area of the wires in a plane through the axis of the pipe being materially less than the cross-sectional area of the fluid passages between said helical wires in said plane.

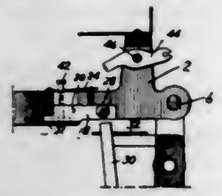
2,409,305
HEAT CONTROL
Wellington W. Muir, Lockport, N. Y.
Application May 22, 1943, Serial No. 488,082
2 Claims. (Cl. 236—10)

1. In a hot air heating system including a space to be heated, a source of heat, a duct for supplying heated air from such source to said space, the discharge end of such duct terminating alongside a wall of said space, and a return conduit for conveying air from said space to such source, the combination of single thermostatic means for controlling the temperature of the air being conveyed to said space, said means disposed within said duct adjacent the discharge end thereof and separated from said space by the thickness of such such wall, a valved fuel supply pipe to such heat source, said thermostatic means controlling the admission of the fuel through the valve of said pipe, and means for adjusting the setting of said thermostatic means, said adjusting means comprising a member of a length only to extend



through such wall to said thermostatic means, one end of said member being directly and operatively connected to an element of the thermostatic means, and the opposite end of said member being disposed in said space and having means for manual operation thereof, whereby the temperature in said space may be regulated to within a differential of one degree F.

2,409,306
KNITTING MACHINE
Albert E. Page and Frank R. Page, Laconia, N. H., assignors to Scott & Williams, Incorporated, Laconia, N. H., a corporation of New Hampshire
Application April 1, 1944, Serial No. 529,103
23 Claims. (Cl. 66—125)



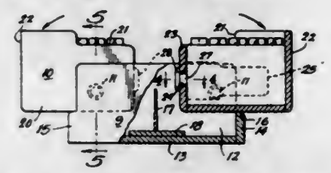
18. A knitting machine having a movable throat plate across which yarns are fed to the needles of the knitting machine, and means for moving said throat plate in the direction of the length of a needle in timed relationship to the knitting operations to avoid interference with the feeding of a yarn sufficiently low to pass into the hooks of needles.

2,409,307
PROJECTILE
Earl S. Patch, Dayton, Ohio, and Wiley T. Moore, Washington, D. C., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 1, 1942, Serial No. 449,280
5 Claims. (Cl. 102—92.5)



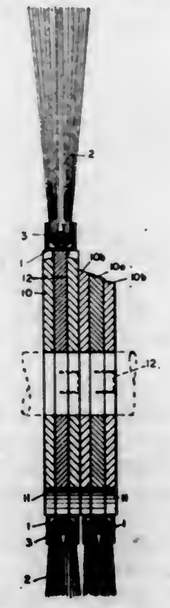
1. A projectile, made from sintered briquetted iron powder which is coated over with and has the pores substantially filled with a metal softer than and heavier than iron and impregnated therein, whereby the said projectile has a relatively soft surface thereover and an apparent density greater than a sintered iron briquette.

2,409,308
FILING CABINET
John Warren Paxton, Bloomington, Ill., assignor of one-third to George Noble Paxton, Bloomington, and one-third to Irving Richard Cornish, Elmhurst, Ill.; Arlie L. Paxton and The National Bank of Bloomington, Bloomington, Ill., executors of said George Noble Paxton, deceased
Application August 16, 1943, Serial No. 498,747
3 Claims. (Cl. 45—2)



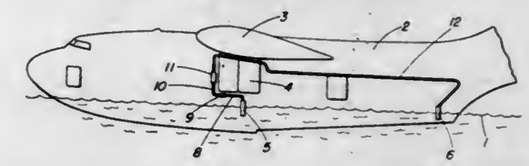
2. A filing cabinet of the class described, comprising a supporting base and a container, said base being formed with a bottom, lateral side rail, and ends extending above said side rail, said container being formed with a bottom, two sides, and a pair of ends, said container being swingably mounted on said base ends on a pair of horizontally aligned pivots, said pivots being located on said container ends intermediate said sides and between said container bottom and a middle plane parallel to said container bottom, said pivots being located on said base ends inwardly of the adjacent vertical edges thereof and above the adjacent lateral side rail, whereby said container is held in its open position by the bottom resting on the adjacent side rail, and vertical means on said base disposed parallel to the axis of said pivots and providing a content-retaining wall for said container when in its closed position.

2,409,309
ROTARY BRUSH
Ruben O. Peterson, University Heights, Ohio, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 6, 1943, Serial No. 485,867
16 Claims. (Cl. 15—181)



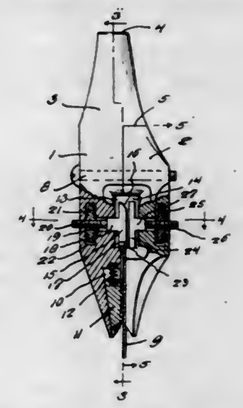
3. In a rotary brush, the combination of a plurality of brush sections each comprising an annular channelform back and brush material retained therein, the sides of each such back being formed into alternate depressed areas and intermediate lands, such depressed areas extending transversely the entire width of the side, and a support whereon such sections are mounted, said support being formed to provide transverse ducts that communicate with such depressed areas in said backs.

2,409,310
WEIGHT AND BALANCE INDICATOR
Paul A. Piper, Towson, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application October 26, 1945, Serial No. 624,721
4 Claims. (Cl. 73—65)



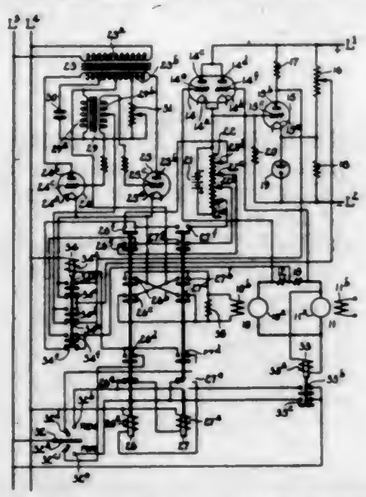
1. An apparatus for determining the center of gravity and gross weight of a seaplane afloat comprising means for measuring water pressure on the seaplane hull under the wing near the plane of the areodynamic center of gravity, means for measuring water pressure on the seaplane hull at a point remote from said first mentioned point, means connected to said first pressure measuring means to give an indication of gross weight of said seaplane, and means connected to said first and second pressure measuring means responsive to the differential in pressures measured thereby to give an indication of the center of gravity of the seaplane, said center of gravity indicating means including means to correct the indicated center of gravity with changes in gross weight of said seaplane.

2,409,311
SAW SET
Edgar Platter, Albuquerque, N. Mex.
Application March 30, 1945, Serial No. 585,595
3 Claims. (Cl. 76—72)



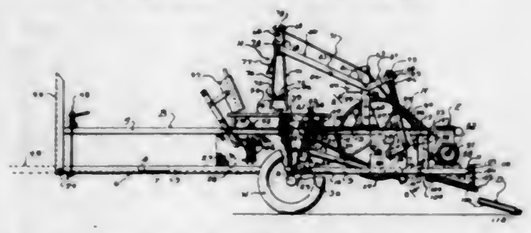
2. In a saw set, a body comprising spaced inner faces to receive a saw blade therebetween and a saw tooth receiving chamber at the inner ends of said faces, a tooth engaging jaw embodying an elongated head mounted for lateral movement within said chamber, an anvil mounted for lateral movement within said chamber and cooperating with said jaw, means for adjustably moving said jaw toward and from said anvil, and means for adjustably moving said anvil toward and from said jaw.

2,409,312
CURRENT REGULATOR
James B. Reeves, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 5, 1945, Serial No. 576,335
6 Claims. (Cl. 172—239)



1. In combination, a generator, having an armature and a field winding, a pair of electron tubes, each having a control electrode, manual means for establishing connection of said tubes to said field winding for supplying energizing current to the latter, adjustable means including electronic means for impressing a voltage on said control electrodes for regulating the current supplied by said tubes, a motor having an armature connected in circuit with said generator armature, means responsive to the speed of said motor armature for controlling maintenance of said connection of said electron tubes to said field winding independent of said manual means, and means to render said electronic means responsive to the current circulating between said armatures to control and limit such current and including means for predetermining the limit.

2,409,313
VEHICLE DRAW BAR
Martin A. Richardson, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application October 2, 1940, Serial No. 359,310
2 Claims. (Cl. 280—33.4)



1. In a vehicle, a frame including a cross member, an axle arranged in supporting relation to the frame, and to the rear of the center of gravity thereof, a movable draft and supporting element pivoted to said cross member, a second cross member on the frame and spaced from the pivotal connection of said supporting element with the first cross member, spaced plates extending generally upwardly from said element so as to move adjacent said second cross member when said element is pivoted about said first cross member, a bracket projecting from said second cross member between said spaced plates, said bracket providing an opening and said plates providing a series of pairs of openings alignable with the opening in said bracket by pivotal movement of said element, and a pin traversing the opening in said bracket and one of the pairs of openings in said plates for securing said element in a selected position.

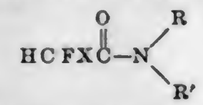
2,409,314
BAG WITH INSOLUBLE AUTOMATIC FOLD CLOSING
Adolf Rambold, Dresden, Germany; vested in the Alien Property Custodian
Application May 3, 1940, Serial No. 333,243
In Germany May 30, 1939
2 Claims. (Cl. 229—53)



1. An open bag of polygonal cross section formed from a rectangular blank of paper-like material having a smooth continuous bottom and at least two smooth continuous sides as well as two opposite continuous sides with side edges folded over and over, whereby the original edges of the material are covered by the edge of the fold and folded projecting tabs are formed, the bag being turned inside out to dispose the said folds and the tabs on the inside of the bag whereby the folds and tabs are prevented from unfolding, the folds and tabs being devoid of other securing means.

2,409,315
FLUOROACETAMIDES AND THEIR PREPARATION
George W. Rigby and Herman E. Schroeder, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1943, Serial No. 484,302
22 Claims. (Cl. 260—561)

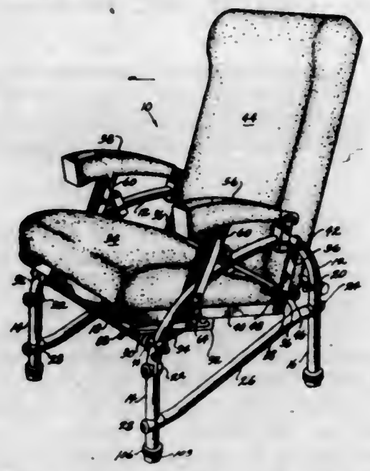
8. A fluoroacetamide of the general formula



where X is a halogen atom, R is selected from the group consisting of hydrogen, alkyl and aryl groups, and R' is an alkyl group.

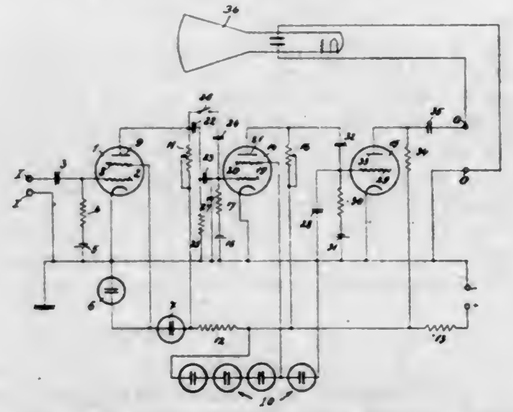
2,409,316
REMOVABLE AND COLLAPSIBLE SEATING FIXTURE
Allan B. Rogers, Sr., Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application October 12, 1942, Serial No. 461,807
8 Claims. (Cl. 155—116)

1. An adjustable folding chair comprising a frame having a front cross member; rollers on said cross member; a seat slidably mounted on said rollers; a link; means for pivotally connecting the opposite ends of said link to the rear portion of said seat and said frame respectively whereby said seat may be slidably moved relative to said cross member; a back rest; means for pivotally connecting said back rest intermediate the ends thereof to said frame; and means for pivotally interconnecting said link and the lower portion of said back rest whereby said back rest will be angularly adjusted about the pivotal connection between the same and said frame as the seat is adjusted.



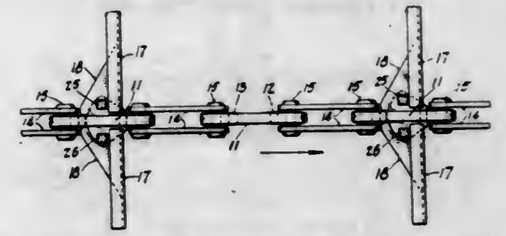
2. In an adjustable folding chair: a frame comprising a front cross member; rollers on said cross member; a seat slidable on said rollers so that said seat can be moved in a fore and aft direction with respect to said cross member; a link; means for pivotally connecting the opposite ends of said link to the rear portion of said seat and said frame respectively; a back rest pivoted on said frame for movement to and from a position overlying said seat in substantial parallelism therewith; and means having connecting means thereon for pivotally interconnecting said seat and back rest, said connecting means being manually releasable to permit said back rest to be pivotally moved to a position overlying said seat.

2,409,317
APPARATUS FOR THE RECORDING OF SLOW PROCESSES
Laszlo Rósa, Budapest VIII, and Imre Zakariás, Budapest VII, Hungary; vested in the Alien Property Custodian
Application February 21, 1940, Serial No. 320,074
In Hungary February 11, 1939
4 Claims. (Cl. 128—2.06)



1. Apparatus for the pick-up and recording of slow processes of motion taking place in organs of the human or animal body, especially of the function of the heart, the said apparatus consisting of a recording device, of an amplifier, of a common power source for the feeding of the amplifier tubes, and of stabilizing means for the anode and grid direct voltages of at least the first (input) amplifier tube, said stabilizing means consisting of at least two consecutive filtering stages having high time constants, each of the said filtering stages consisting of a voltage stabilizing tube device, the current dissipation and preferably also the dimensions of the voltage stabilizing tube device of the first stage being greater than the current dissipation and dimensions of the voltage stabilizing tube device of the second filtering stage.

2,409,318
CONVEYER FLIGHT
Benjamin E. Sivyer, Whitefish Bay, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 26, 1944, Serial No. 569,822
7 Claims. (Cl. 198—176)

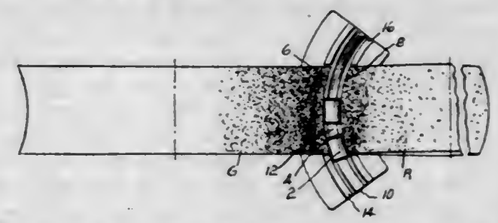


1. A conveyer flight half having a material engaging face and a projection extending therefrom for insertion through a chain link, said projection having at least two opposite abutting surfaces disposed to engage opposite sides of the link when the projection is inserted in the link, whereby said opposite abutting surfaces may be positioned against the link, so that force exerted against the face of the flight half will retain the flight half on the link.

2,409,319
PRODUCTION OF FABRICS FROM ALGINIC MATERIALS
John Bamber Speakman, Far Headingley, Leeds, and Norman Henry Chamberlain, Headingley, Leeds, England, assignors to Cefoil Limited, Maidenhead, England
No Drawing. Application December 20, 1943, Serial No. 515,029. In Great Britain Oct. 1, 1942
6 Claims. (Cl. 8—115.5)

1. A process for the production of alkali-resistant fabrics from alginic materials, comprising the steps of first producing alginate rayon of alkali soluble type, then manufacturing fabric therefrom and thereafter converting the alkali soluble alginate of the fabric to alkali-resistant alginic material.

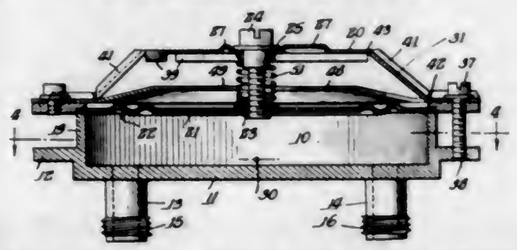
2,409,320
GRINDING OF ROLLERS
Attilio R. Spicacci, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 30, 1944, Serial No. 528,713
16 Claims. (Cl. 51—103)



5. In apparatus for grinding rolls having their middle portions of longitudinally concave profile and their end portions convexly curved, a grinding wheel and an opposed regulating wheel, one

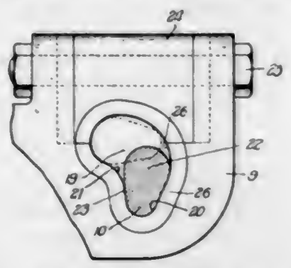
of the wheels having a convex profile to conform to the concave profile of the rolls and the other wheel having a concave profile to conform to the convex end portions of the rolls, and a work support close up to the grinding wheel and having its work supporting surface formed as a surface of revolution having substantially the same profile as the grinding wheel.

2,409,321
CAVITY TUNING DEVICE
Ingo L. Stephan, Delanco, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 16, 1943, Serial No. 514,516
12 Claims. (Cl. 178—44)



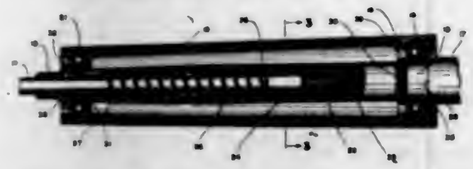
1. In combination with an ultra-high frequency tuning cavity having a movable diaphragm, means for compensating for temperature variations so as to maintain the resonent frequency of said cavity substantially constant, comprising a temperature-responsive expansible and contractible member mounted on the cavity structure externally thereof, and a connecting element between said member and the movable diaphragm, whereby the latter is moved in response to expansion or contraction of said member.

2,409,322
COUPLER OPERATING MECHANISM
James S. Swann, Homewood, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application September 2, 1944, Serial No. 552,471
15 Claims. (Cl. 213—171)



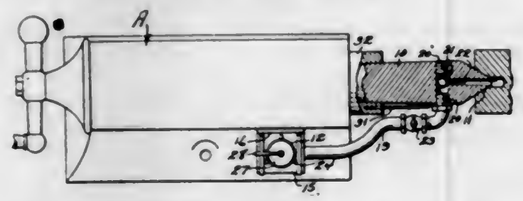
1. An operating mechanism for a railway car coupler comprising a bracket having an opening, the lower portion of said opening being restricted, and a rotatable operating rod, supported in said opening, said rod having a portion the cross section of which is such as to have a non-rotative relation thereto when positioned in said lower portion, one side of said restricted lower portion being shorter than the other and merging into a bearing surface for the operating rod, and the other side of said lower portion being longer and of such contour in relation to said shorter side and bearing surface as to provide a guiding surface to cause said portion of said operating rod to roll and slide upon said said bearing surface out of said lower portion when manually rotated.

2,409,323
AIRCRAFT POWER PLANT ARRANGEMENT
Carel T. Torresen, Santa Monica, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application December 12, 1940, Serial No. 369,787
4 Claims. (Cl. 64—1)



1. A drive shaft assembly for a propeller comprising a propeller-carrying shaft having an externally splined portion, a second hollow shaft co-axially disposed about said first shaft and having internal splines therein engaging the said splined portion on said propeller-carrying shaft, the said first shaft being supported for relative axial movement within said second shaft, an elongated tubular member supported by adjacent structure co-axially disposed with respect to said co-axial shafts, bearing means supported internally of said elongated member adjacent each of its ends adapted for the journalling of said second shaft therewithin, opposed shouldered portions carried by each said shaft and resilient means interposed between said shouldered portions opposing relative axial movements thereof for the resilient transmission of propeller thrust from said first to said second shaft and the relief of said tubular member of said propeller thrust.

2,409,324
AUTOMATIC LUBRICATOR FOR TAILSTOCK CENTERS
John Turenchalk and Harry Turenchalk, Yonkers, N. Y.
Application July 21, 1944, Serial No. 545,956
5 Claims. (Cl. 184—46)

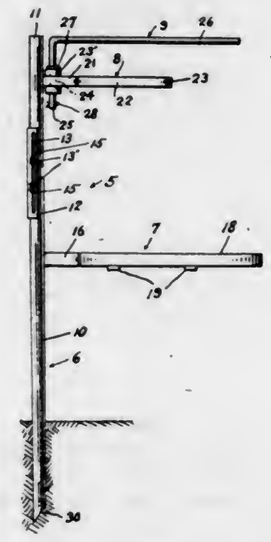


1. In a lubricator of the class described, a collapsible container having the form of a vertically disposed bellows, with flat top and bottom end walls, the top wall having a centrally disposed inwardly nippled inlet for a supply of the lubricant, the bottom wall having a centrally disposed, downwardly extending, nippled outlet, a closure plug for the inlet, a flexible duct leading from the outlet, and a cutoff valve for controlling the lubricant discharge from the flexible duct.

2,409,325
INHIBITING TREATMENT
George C. Ward and Burnard T. Pull, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 14, 1943, Serial No. 472,410
24 Claims. (Cl. 8—61)

5. Process for improving the fastness of colorations on dyed organic derivative of cellulose textile materials to acid fading, which comprises treating said dyed organic derivative of cellulose textile material with an aqueous solution of a cation-active agent and then treating said material with an aqueous-alcoholic solution of a member of the group consisting of primary, secondary and tertiary aliphatic hydroxy mono-amines having at least 3 carbon atoms in at least one of the alkyl chains linked to the N-atom of the aliphatic hydroxy mono-amine.

2,409,326
GARBAGE CAN HOLDER
Stephen Wargo, Streator, Ill.
Application November 5, 1945, Serial No. 626,666
2 Claims. (Cl. 248—146)



1. In a garbage can support comprising a standard of angle iron configuration, a platform having its inner end portion of a shape similar to that of the standard and those portions extending therefrom of arcuate configuration with their free ends terminating in spaced relation to one another, means rigidly securing the platform to the standard with its angular portion seated in the angular portion of the standard and at right angles thereto, a substantially semi-circular yoke having its inner portion of a shape similar to that of the standard and those portions extending therefrom of arcuate configuration with their free ends bent outwardly on a line passing approximately through the center of a circle upon which the outer portions of the yoke are drawn, a sleeve secured within the angular portion of the yoke and having its bore disposed in a perpendicular plane, a garbage can cover locking arm, and means securing the arm to the sleeve for swinging movement on a horizontal plane over the cover of a garbage can seated on the base.

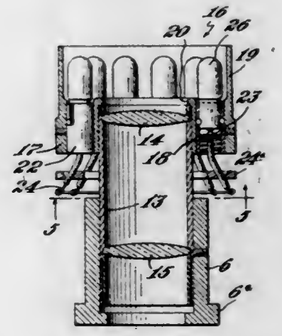
2,409,327
OXYGEN DEMAND REGULATOR
Leonard A. Wiggins, Cuyahoga Falls, Ohio
Application March 2, 1943, Serial No. 477,775
4 Claims. (Cl. 137—153)

1. In a regulator of the character described having at least an inlet chamber and an outlet chamber and a valve between said chambers, a diaphragm chamber, a diaphragm mounted in said chamber and operable by atmospheric pressure to open said valve, and means to insure the provision of such pressure comprising a perforated member arranged between said diaphragm and a wall of said diaphragm chamber, a different wall of said diaphragm chamber being provided with a plurality of openings leading to



the atmosphere adjacent said perforated member.

2,409,328
ILLUMINATING UNIT FOR OPTICAL PROJECTORS
Raymond S. Wilder, Waltham, Mass.
Application October 26, 1944, Serial No. 560,387
2 Claims. (Cl. 88—24)

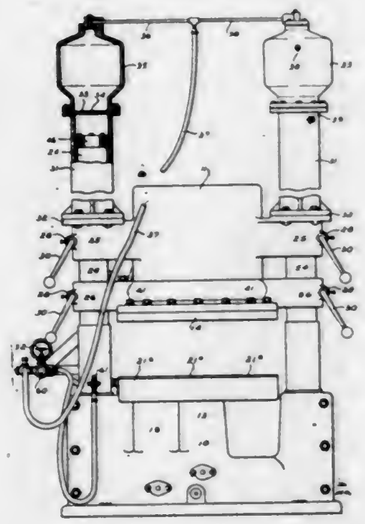


1. A micro-projector of the kind wherein the image of an object supported upon a work table is projected onto a screen by an objective lens mounted in a tubular support, characterized in having an illuminating unit mounted on the lens support and comprising an annular housing having an inner cylindrical wall defining an aperture designed to receive the upper end of the axial cylindrical walls united by a radial web and spaced apart a distance only sufficient to accommodate the lamps employed, the inner wall defining a stop shoulder engageable with the end of the tubular support to limit axial movement of the housing, the housing also having a radially extending web portion provided with a series of spaced lamp sockets whose axes are parallel to that of the housing, the sockets being disposed symmetrically with respect to the optical axis of the lens and being so spaced laterally from said axis that lamps disposed in the sockets are out of the field of vision of the lens, the housing also having an outer cylindrical wall of a depth greater than the heights of the filaments of lamps disposed in the sockets, said outer wall being of an internal diameter such as to afford approximately just sufficient space for the lamps arranged in the sockets and having an inner reflecting surface.

2,409,329
ORGANIC THIOCYANO COMPOUNDS
Paul H. Williams, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 28, 1944, Serial No. 524,309
9 Claims. (Cl. 260—454)

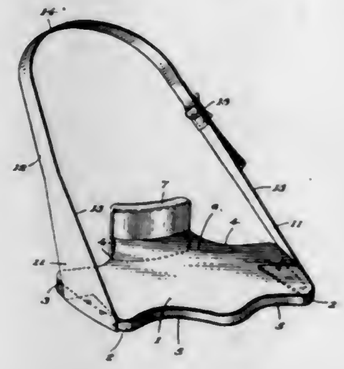
4. An ester of a polyalkyl cyclohexanol and a thiocyano-substituted aliphatic carboxylic acid, which ester contains no more than three alkyl radicals directly linked to nuclear carbon atoms of the cyclohexyl radical, and wherein all of the alkyl radicals are directly linked to nuclear carbon atoms by means of primary carbon atoms, only one of the alkyl radicals being directly linked to the nuclear carbon atom in the 5 position relative to the acid radical, and the other alkyl radicals being directly linked to the nuclear carbon atom in the 3 position relative to the acid radical.

2,409,330
CORE MAKING MACHINE
David Howard Wood, Barnt Green, and Herbert James Roe, Knowle, England
Application April 12, 1945, Serial No. 587,988
In Great Britain November 20, 1943
2 Claims. (Cl. 22—10)



1. Core making or blowing machine having a container for sand, means including a table for supporting a core box below the container, an apertured pressure and sand delivery plate at the base of the container, means for supplying air under pressure to the container for forcing sand through said apertured plate into the core box, a pair of pillars disposed one at each end of the table, means for guiding the container on the pillars and means for clamping it thereon, a pair of cylinders secured to the container and capable of sliding on the pillars each of which pillars is adapted to act as a fixed piston in one of said cylinders, combined pneumatic and hydraulic means whereby fluid pressure may be admitted to the cylinders above the piston faces of the pillars for raising said container thereon, and means fixedly mounted in each cylinder above the pillars to form a restricted passageway for the passage of fluid from the upper part to the lower part of the cylinder, which means act as dashpots to give a smooth and slow action during ascent and descent of the cylinders and the container.

2,409,331
BABY CARRIER
Frederick D. Wood, Jacksonville, Fla.
Application October 9, 1944, Serial No. 557,828
2 Claims. (Cl. 224—6)



1. An infant supporting device, comprising an elongated seat, the ends of which are curved toward each other, spaced leg depressions at each side of the seat, an adjustable shoulder strap attached to the seat at its ends, and a curved block secured at its transverse medial line at one side of the seat to support the same from the body of the carrier.

2,409,332
RESINOUS COMPOSITION AND METHOD FOR PRODUCING THE SAME
Howard C. Woodruff, Philadelphia, Pa.
No Drawing. Application May 29, 1942, Serial No. 444,999½
3 Claims. (Cl. 260—104)

2. A new composition of matter, a terpenic resinous acid ester of pentaerythritol-glycerine ether-alcohol.

2,409,333
LUBRICANT AND METHOD OF PREPARING SAME
Donald L. Wright, Westfield, and Charles W. Bohmer, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 16, 1943, Serial No. 502,640
4 Claims. (Cl. 252—59)

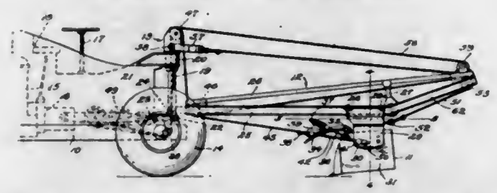
1. A chemically resistant lubricant having approximately the following composition in percent by weight:

	Percent
Mineral white oil	50–85
Petrolatum (light oil-free)	10–50
Paraffin wax	0–10

and an amount of a viscosity-increasing linear polymer of an oxygen-containing aliphatic compound, said amount being selected according to the average molecular weight of said polymer, indicated by the following table:

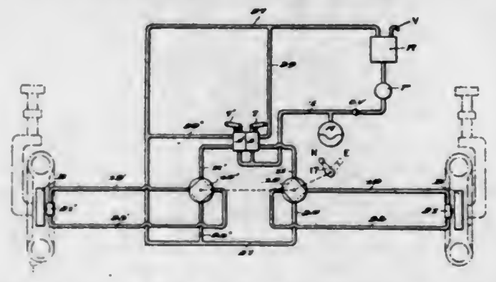
Average mol. wt. of polymer	Percent by weight
5,000	10–50
12,000	8–20
30,000	7–15
80,000	5–10
150,000	0.3–2

2,409,334
TRENCH EXCAVATING MACHINE
William G. Van Voorhis, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application November 13, 1944, Serial No. 563,125
4 Claims. (Cl. 214—102)



1. In a material excavating and loading machine, a portable base vehicle, a mast mounted on said base vehicle and turnable about its longitudinal axis, a pivot at one end to said mast beam for raising and lowering movement in vertical planes and swinging movement in horizontal planes, a scoop suspended from said boom and movable longitudinally thereof toward and away from said base vehicle, said scoop being openable at the front end thereof to provide for the admittance of excavated materials therein and the discharge of such materials therefrom, a door hinged to said scoop and normally closing the front end thereof, bolts pivoted to the sides of said scoop, turnable bearing elements carried by said door for the slidable reception of said bolts, coil springs confined between the outer ends of said bolts and said turnable bearing elements, said springs normally serving to maintain said door in its position of scoop closure, yoke means connected with said door and said scoop for limiting the opening movement of said door, and a pair of drum-actuated cables carried by said base vehicle, one of said cables being connected with said door and the other of said cables with said scoop, whereby to effect automatic actuation of said door and the movement of said scoop longitudinally of said boom toward and away from said base vehicle.

2,409,335
HYDRAULIC BRAKE SYSTEM
Yurgen Z. von Stackelberg, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application November 22, 1944, Serial No. 564,594
11 Claims. (Cl. 188—152)

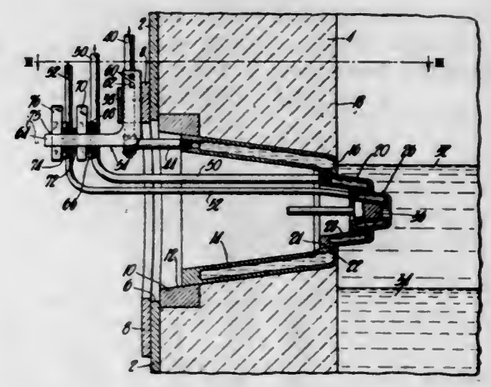


1. A hydraulic brake system comprising a reservoir, a pump to deliver fluid under pressure from the reservoir to a fluid line, and a brake, a pressure control valve in said fluid line controlling the flow of fluid to said brake, said fluid line extending from said pressure control valve to said brake including a flow control valve connected to receive fluid under pressure from the outlet of said pressure control valve and a shuttle valve on said brake, a pair of fluid lines extending from said flow control valve to the inlet ports of said shuttle valves, one of said lines constituting the normal pressure line and the other an emergency pressure line, said flow control valve adapted to direct fluid through either the normal or emergency pressure line, the other line affording a vent for said shuttle valve through said flow control valve.

2,409,336
CHEMICAL-RESISTANT COATING MATERIAL
David W. Young, Roselle, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application September 20, 1941, Serial No. 411,651
3 Claims. (Cl. 260—32)

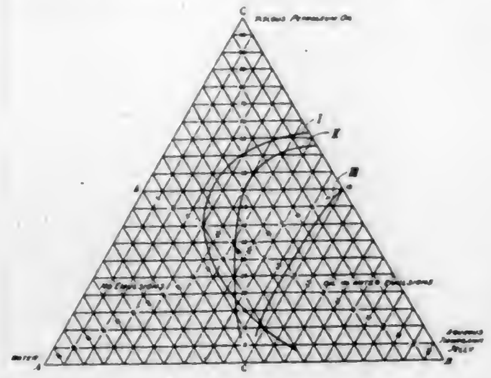
1. A chemical-resistant and non-tacky film-forming paint composition comprising in 100 parts by weight of the composition about 12 to 15 parts by weight of polybutenes having molecular weights between 60,000 and 300,000 as determined by the Staudinger viscosity method, about 55 to 70 parts by weight of a volatile hydrocarbon liquid, and 4 to 8 parts by weight of an alkanol having 1 to 3 carbon atoms per molecule dissolved in said volatile hydrocarbon liquid with the polybutenes, remaining parts of the composition being a suspended solid filler with a small amount of a wetting agent.

2,409,337
CINDER NOTCH COOLER CLAMP
Joseph Yuhas, North Braddock, Pa.
Application January 3, 1946, Serial No. 638,763
6 Claims. (Cl. 266—41)



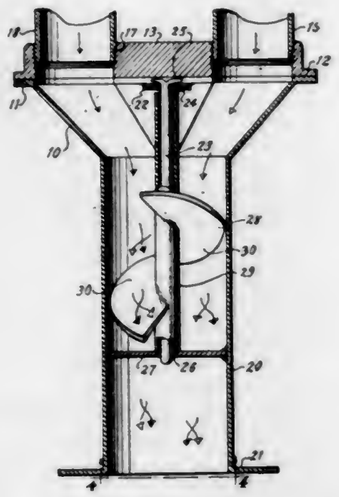
1. In the combination of a blast furnace having a wall comprising a shell and a lining, a cinder notch therethrough, an outer cooler for the cinder notch projecting through the furnace wall, a monkey cooler within the outer cooler and a monkey within the monkey cooler, said coolers engaging one another in the order named along generally conical seats decreasing in diameter in a direction toward the interior of the furnace, said monkey and monkey cooler being water-cooled, the latter two having inlet and outlet cooling water carrying pipes having portions of appreciable length projecting rearwardly therefrom in a direction generally parallel to the axes of the coolers, the improved holding means for the monkey and monkey cooler which comprises clamping means engaging the inlet and outlet cooling water pipes of the monkey and monkey cooler at points outwardly of the furnace shell, a clamp holding member having a generally straight arm parallel to the axes of the coolers attached adjacent one end to the clamping means, and means at the other end of said arm of the clamp holding member attaching it to the furnace shell at a location lying at least substantially in a plane containing the axes of the coolers.

2,409,338
EMULSION
William H. Alton, Westport, and Francis E. Hutchins, Norwalk, Conn., assignors to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York
Application May 28, 1943, Serial No. 488,916
2 Claims. (Cl. 167—63)



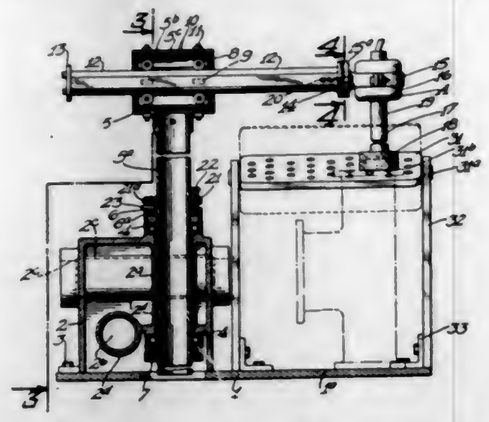
1. An oil-in-water emulsion suitable for use in cosmetic and pharmaceutical preparations comprising about 1%–65% of a viscous petroleum oil, about 34%–98% of water and about 0.75%–10% of the solids of an inorganic jelly produced as the aqueous effluent by centrifuging an aqueous suspension of a swellable clay containing 5%–10% by weight of solids at 800–1500 g.

2,409,339
INTERMIXING DEVICE
J. D. Ballard, Fort Worth, Tex.
Application February 3, 1945, Serial No. 575,999
2 Claims. (Cl. 259—9)



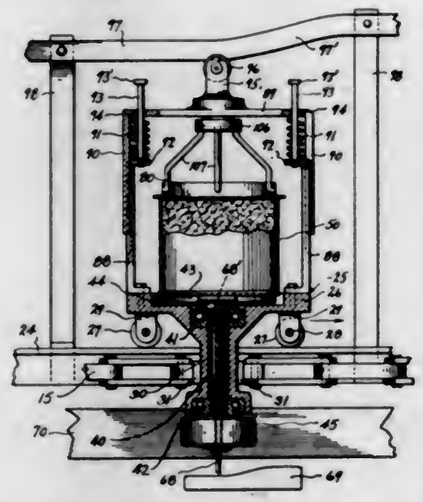
1. A device for producing a single variegated frozen commodity from at least two moving different frozen commodities from separate sources of supply including, a single conduit having a plurality of spaced inlets at one end thereof and for conducting the said differentiated frozen commodities in a moving differentiated frozen mass, said conduit having an outlet at its opposite end, and rotatable means having an axis coincident with the longitudinal axis of the conduit between said inlets and outlet actuated solely by the movement of the frozen mass for intertwining said differentiated commodities without intermixing the same, said rotatable means extending to either side of said coincident axes.

2,409,340
PORTABLE SURFACE GRINDER
Francis M. Bohler, Long Beach, Calif.
Application March 1, 1944, Serial No. 524,519
7 Claims. (Cl. 51—126)



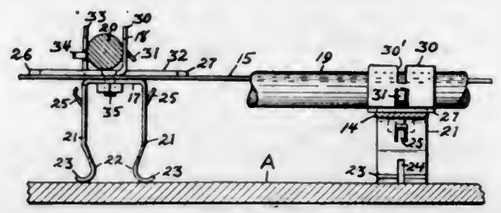
2. In a portable surface grinder, a base, a head rotatably mounted thereon with the head extending from the base, said head being mounted in such a manner as to rotate freely with respect to the base, a grinder carried by the head, means for adjusting the head toward and from the base, said means comprising a shim and an adjusting screw on the head for separating the head with respect to the base to receive the shim, said shim being removable for allowing the head to be moved towards the base, the thickness of the shim positively determining the limits of grinding operations.

2,409,341
CENTRIFUGAL EXTRACTOR
Edward M. Borg, Seattle, Wash.
Application June 8, 1943, Serial No. 490,022
10 Claims. (Cl. 226—22)



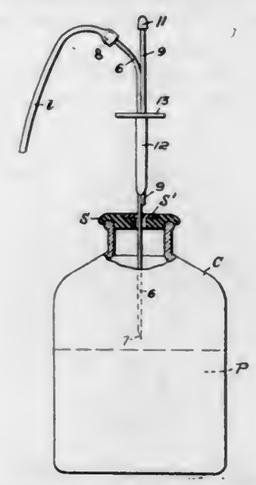
7. In a machine for centrifugal extraction of liquid content from a product, a can conveyor, means for moving the conveyor along a path of travel, an endless belt having a part thereof operating parallel with said path and in a direction opposite the travel of the carrier, a spindle in the carrier, a can mounting pad on the spindle, means for holding an open product-filled can on the pad and for pressing against its solid content during an extracting operation, a drive wheel on the spindle adapted to engage the belt to rotate the spindle and can for centrifugal extraction of liquid content from the product.

2,409,342
ROD SUPPORT FOR REINFORCED CONCRETE STRUCTURES
Joseph J. Cassidy, Fort Wayne, Ind.
Application May 15, 1944, Serial No. 535,606
6 Claims. (Cl. 72—122)



6. A reinforcing rod support consisting of stools having members adapted to be secured to the floor or wall of a form, a spacer consisting of a perforated strip supported on said stools, clasps disposed on said spacer opposite said stools respectively, adapted to receive reinforcing rods, said clasps having upturned arms with notched ends and provided with outwardly extending prongs, means connecting said clasps and corresponding stools through selected perforations in said strip, and a wire entwined through the notches in each clasp around the prongs thereon and over the reinforcing rods positioned therein.

2,409,343
FLUID INLET-OUTLET DEVICE, PARTICULARLY FOR CLINICAL PURPOSES
Raymond M. Curtis, Baltimore, Md., assignor to Macalaster Bicknell Company, Cambridge, Mass., a corporation of Massachusetts
Application April 5, 1943, Serial No. 481,828
1 Claim. (Cl. 128—214)



A dual clinical needle of non-corrosive metal such as stainless steel, for piercing self-sealing insertion through a puncturable closure of a container, said needle comprising a pair of generally parallel tubes of unequal length having their channels closely contiguous and each of uniform diameter throughout, said tubes constructed and arranged for use interchangeably one as a vent and the other as an inlet or as an outlet respectively to admit fluid to an upright closed container or to withdraw fluid from such container in an inverted position, particularly in the transfer of blood and blood plasma, said tubes being open at both ends, tubing attaching formations at one end of each tube, said ends being disposed at a divergent angle to each other and terminating at adjacent transverse planes at the outer end of the needle as a whole, the opposite or inserting end of the longer tube having a bevelled and sharpened open point for piercing insertion of the needle in sealing relation through puncturable closure element of a container and the proximate inserting end of the shorter tube being shaped and disposed for entry through the closure element following penetration thereof by the longer tube and being set back from the pointed end of said longer tube to an extent permitting the shorter tube to be positioned wholly outside a container while the longer tube has its pointed end projected into such container through and substantially beyond the closure element thereof for sealed inflow of fluid to the container, means interattaching the tubes along their contiguous portions from the inserting end of the shorter to their point of divergence adjacent their tubing attaching ends, and a laterally projecting disk-like flange surrounding and secured to an interattached portion of the tubes spaced closer to said point of divergence than to the inserting end of the shorter tube, both tubes being of such relatively small cross-sectional diameter and having their axes so contiguously disposed along their interattached portions that their interaxial distance is less or not appreciably greater than one-half their combined outer diameters, the longer tube having an external longitudinal seating recess corresponding in length to that of the shorter tube and the latter being in substantial part received and secured in said recess, and whereby their interattached portions are adapted for penetrative passage as a unit through the puncturable container closure element.

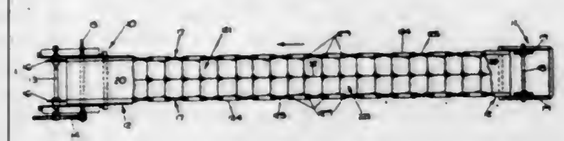
2,409,344
PLASTICIZING CHLOROPRENE POLYMERS
Arnold R. Davis, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 7, 1943, Serial No. 471,605
12 Claims. (Cl. 260—36)

1. A process of softening a rubber-like chloroprene polymer which comprises mixing the polymer with a minor proportion of its weight of a salt of a dialkyldithiophosphoric acid and a salt-forming organic base selected from the group consisting of the aliphatic secondary amines, the mononuclear aromatic primary amines, the cycloaliphatic amines, piperidine, guanidine, the mono- and di- mononuclear aryl guanidines, biguanide, the mono- mononuclear aryl biguanides, guanylthiourea and isothiourea.

2,409,345
PROCESS FOR THE PREPARATION OF NICOTINIC ACID
Russell Tattershall Dean, Stamford, Conn., and Victor L. King, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 31, 1942, Serial No. 437,017
3 Claims. (Cl. 260—295.5)

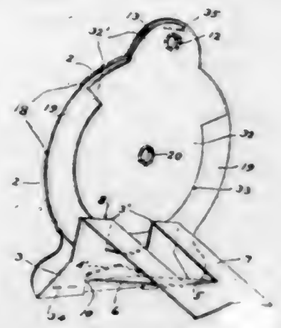
1. In the manufacture of nicotinic acid by oxidizing nicotine nitrate with nitric acid to nicotinic acid nitrate and converting the latter to nicotinic acid; the improvement which comprises adding an aqueous solution of nicotine nitrate to from about 9 to 16 parts of strong nitric acid per mol part of nicotine nitrate, said nitric acid being free from other oxidizing compounds, and heating the mixture at from about 90° to 110° C. without adding any further additional oxidizing compounds while blowing a slow stream of air across the surface of the mixture being heated.

2,409,346
MATERIAL HANDLING MECHANISM
Wilbur R. Dickson, Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application February 23, 1945, Serial No. 579,328
13 Claims. (Cl. 198—168)



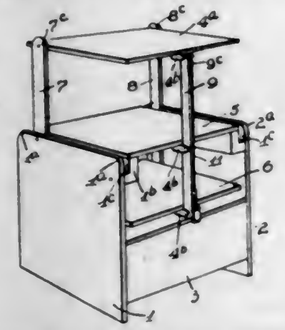
1. A conveyor including a trough having a bottom, a pair of laterally spaced endless conveyor chains movable over said bottom, and roll and rail means for supporting said chains for rectilinear movement, said chains including links having interior side bar plates of a height considerably greater than their exterior side bar plates to provide the material retaining side walls of said conveyor and co-operating with said bottom to form the material holding and conveying trough thereof, flights extending between said side walls, said roll and rail means co-operating to support the bottoms of said side walls off but close to said bottom.

2,409,347
DIAL CALENDAR
Norman L. Dootson, San Francisco, Calif.
Application April 20, 1942, Serial No. 439,659
5 Claims. (Cl. 40—113)



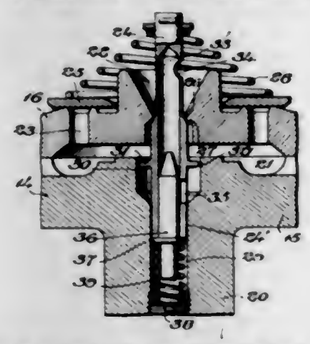
1. In a dial calendar of the character described, an outer face card provided with one only continuous substantially three-quadrant circular arcuate row of numerals spaced inwardly from the margin of the card denoting the days of the month, a disk pivotally mounted at the underside of the face card bearing two only concentrically spaced circular rows of names of the days of the week in repetition, said spaced circular rows of names of the days being of diameters to come respectively just within and without said arcuate row of numerals, arcuate cut-out openings provided in said face card within and without said arcuate row of numerals, one of said cut-out openings being a substantially semi-circular slot aligned over the inner of said spaced circular rows of names of the days and extending for more than half the circumference of said arcuate row of numerals, and the other cut-out openings comprising two open marginal notches extending arcuately from points substantially radially aligned with the ends of said semi-circular slot but aligned over the outer of said spaced circular rows of names of the days, so that said arcuate row of numerals extends unbroken between them.

2,409,348
CONVERTIBLE APPLIANCE STAND AND SERVICE TABLE
William I. Evans, Los Angeles, Calif.
Application August 21, 1944, Serial No. 550,363
4 Claims. (Cl. 211—2)



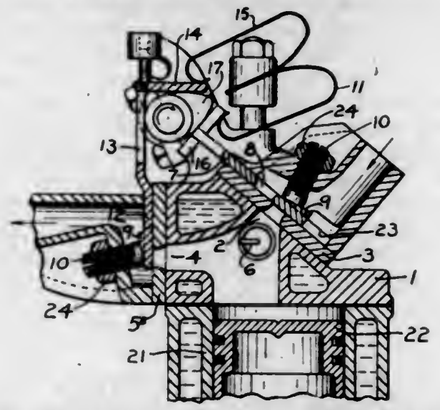
2. In a convertible appliance stand and service table of the class described, the combination of two vertically disposed side members, an intermediate table member rigidly secured thereto at their upper edges and spaced from the inner sides thereof, a pair of table connecting members interposed between said intermediate table member and said side members at one side thereof and pivotally mounted thereon intermediate their ends, a pair of shelf members each pivotally connected near one side edge of each shelf member near opposite ends of said connecting members, a single shift control bar pivotally connected to said shelf members at their middle opposite edge from said connecting members, and latch means mounted on said control bar for holding said shelf members in certain relation to each other.

2,409,349
HYDRAULIC SHOCK ABSORBER
Nevin S. Focht, Syracuse, N. Y.
Application October 22, 1945, Serial No. 623,762
6 Claims. (Cl. 188—88)



1. In a hydraulic shock absorber, a cylinder, a piston reciprocable therein, a liquid reservoir, a head closing one end of said cylinder and having therein a port affording communication between said end of said cylinder and said reservoir, a metering pin extending through said port and inwardly movable to close and outwardly movable to open the same, yieldable means tending constantly to urge said pin inwardly to a port-closing position, the inner end of said pin being exposed within the said end of said cylinder for subjection to liquid pressure to urge said pin outwardly and thus open said port, said pin having a bore extending longitudinally thereof, said bore opening through the outer end of said pin and being in constant communication with said end of said cylinder, said head having a well and said pin having a piston portion disposed in said well to provide a dash-pot to resist outward movement of said pin, said pin having a side opening affording communication between said bore and said well outwardly of said piston portion, a plunger pin slidable in said bore, and yieldable means tending constantly to urge said plunger pin inwardly to a position closing the side opening in said metering pin, said plunger pin being movable outwardly by pressure of liquid against its inner end to open said side opening and thus admit liquid to said well to urge said metering pin inwardly.

2,409,350
INTERNAL-COMBUSTION ENGINE
Mark L. Forrest, Leavenworth, Wash.
Application March 26, 1945, Serial No. 584,936
9 Claims. (Cl. 123—188)



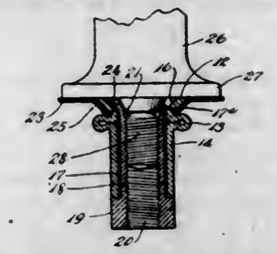
1. In an internal combustion engine having a valve port affording communication with the combustion chamber, a valve, means guiding said valve for movement in a plane transverse to the port to open or to close the same, and cooperating with the valve to afford a seat for that face of the valve which is nearest the combustion chamber, a single incline upon and facing outwardly from the valve, and a single means fixedly disposed to engage said incline as the valve reaches closed position, and arranged relatively to the incline to hold the valve securely seated when so engaged, but disengageable from the incline by opening movement of the valve.

2,409,351
STITCH PICKER
Ishmael H. Gearhart, Salem, Va.
Application January 24, 1946, Serial No. 643,143
3 Claims. (Cl. 12—17)



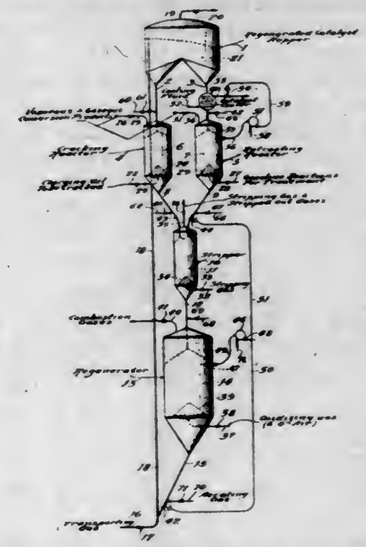
1. A device of the kind described, comprising a rotary arbor, and a circular member fixed to the arbor and having a work engaging periphery provided with grouped series of spaced protuberances, each of one group being of substantially half-circular outwardly arched formation, the protuberance of one group being disposed radially of the axis of the arbor and the others of said group being reversely angled thereto.

2,409,352
RIVET
Ray H. Gill, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 29, 1943, Serial No. 473,939
10 Claims. (Cl. 85—40)



1. A tubular rivet structure comprising a cylindrical body portion having a bore of substantially uniform diameter extending therethrough and terminating in a counterbore, said cylindrical body portion including a flanged end and an expansible portion adjacent said flanged end, a tubular body portion having a portion of reduced diameter disposed within said bore of said cylindrical body portion at the end opposite said flanged end and having a flange portion of substantially the same outer diameter as said cylindrical body portion for applying axial force to said cylindrical body portion for expanding said expansible portion, said tubular body portion having a threaded bore for engaging with a threaded member inserted in said rivet from said flanged end, and fastening means for securing together said cylindrical body portion and said tubular body portion.

2,409,353
CONVERSION OF HYDROCARBONS
Chester J. Giuliani and Charles H. Angell, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 24, 1944, Serial No. 546,264
3 Claims. (Cl. 196—52)



1. The process of catalytically cracking hydrocarbon oil heavier than gasoline and simultaneously treating gasoline fractions with cracking catalyst to improve their quality, which comprises continuously supplying separate streams of active cracking catalyst particles to separate confined reaction zones, contacting the catalyst in one of said zones with said oil to be cracked and therein effecting the cracking reaction, contacting the

catalyst in the other of said zones with said gasoline fractions and therein effecting their conversion to a product of improved quality at a temperature lower than that employed in said cracking operation, removing a stream of resultant contaminated catalyst particles from each of said reaction zones, supplying both streams to a common regenerating zone, therein regenerating the catalyst by an exothermic reaction, returning resultant regenerated catalyst, containing heat stored therein in the regenerating step, in part to the cracking reactor at a temperature relatively close to that desired for conducting said cracking reaction, and in part to the other reactor at a lower temperature relatively close to that desired for said treatment of gasoline fractions, and controlling the rate at which catalyst is passed through the last-named reactor in response and in direct relation to temperature variations in the regenerating step to maintain a substantially constant temperature in the regenerating zone, and supplying, in the catalyst entering the cracking reactor, substantially all of the heat of endothermic reaction required in the latter zone.

2,409,354
GAS MASK CARRIER POCKET ATTACHMENT FOR FIREMEN'S COATS
Alfred M. Grunwell, Washington, D. C.
Application February 10, 1945, Serial No. 577,319
7 Claims. (Cl. 128—144)



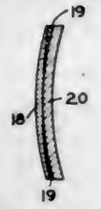
1. In combination with a coat; a carrier pocket for a respiratory apparatus forming a part of the coat, the respiratory apparatus including an air purifying canister and a flexible hose for delivering purified air to a gas mask from the canister, said pocket serving as a support for the canister when the respiratory apparatus is in use, and adapted to entirely contain the aforesaid parts of the respiratory apparatus when the latter is not in use.

2,409,355
AIRPLANE TIRE
Alfred A. Human, Sacramento, Calif.
Application May 28, 1943, Serial No. 488,927
3 Claims. (Cl. 244—103)



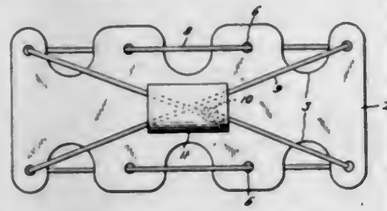
1. In an airplane wheel, an airplane tire having a plurality of foldable air pockets on the side thereof, adapted to rotate the wheel when the same is exposed to an air stream, means adapted to collapse said pockets and thereby to prevent rotation of said wheel and means for operating the first mentioned means.

2,409,356
GOGGLE
Charles F. Hutchings, Perinton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 15, 1944, Serial No. 531,175
2 Claims. (Cl. 88—54)



1. In a goggle or the like having a frame carrying lenses, the combination of a semi-transparent metallic layer deposited on the front surface of each lens, the layer increasing in thickness from a minimum at the central portion of the lens to a maximum at the edge of the lens, said layer being substantially neutral to transmitted light and a layer of colored transparent material covering said semi-transparent layer, said layer of colored material substantially reducing the amount of light which is reflected by the outer surface of said semi-transparent layer.

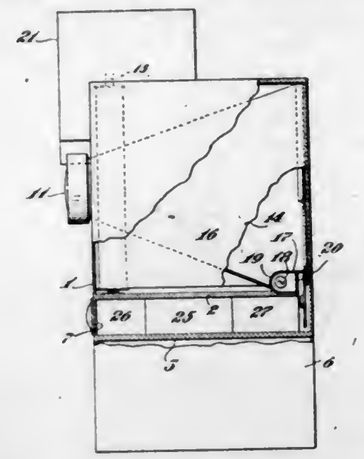
2,409,357
HOLDER FOR BOTTLES
Horace Greely Jackson, Woodstown, N. J.
Application August 5, 1943, Serial No. 497,495
1 Claim. (Cl. 224—45)



A holder for use in carrying bottles of the type having a bead around the neck thereof comprising an elongated panel provided in one side edge thereof with round bottomed notches for fitting around the necks of the bottles under the beads, said notches having flaring mouths to facilitate entering the necks in said notches, and an endless cord slidably extended through the panel along said side and across the mouths of the notches for tightening against the necks under pull on said cord, the cord embodying crossed hand grip loops for use in carrying the panel and bottles, said panel having a row of apertures therein extending along said side with the apertures alternating with the notches and through which said cord is slidably extended across said mouths, said crossed loops being operative under pull thereon to tighten the cord across the mouths of all of said notches.

2,409,358
AUTOMATIC RECORDING APPARATUS
Jacob J. Kaplan, Boston, Mass.
Application September 12, 1942, Serial No. 458,116
15 Claims. (Cl. 88—16)

1. Recording apparatus comprising a camera having a shutter for controlling the period of exposure, actuating means including a solenoid for opening and closing said shutter, the shutter being closed so long as the solenoid remains deenergized and being open so long as the solenoid is energized, timing mechanism including relatively movable contacts electrically connected with said solenoid for controlling the operation of said shutter, photoelectric means controlling the relative position of said contacts so as to vary the period of energization of said solenoid and thereby



vary the duration of exposure in accordance with the intensity of incident light, power supply lines connected with said solenoid and contacts, a control switch for said power supply lines, and a clock mechanism for operating said switch at predetermined times during a specified period.

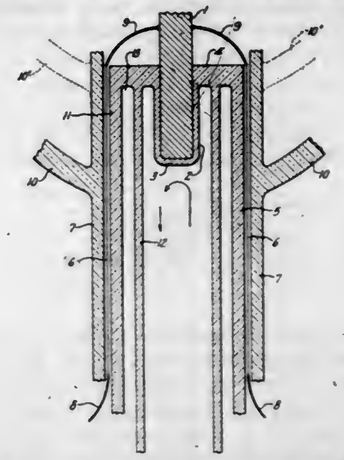
2,409,359
THERMORESPONSIVE CABLE
Richard D. Kaul, Fairfield, Conn., assignor to The Sealand Corporation, Southport, Conn., a corporation of Connecticut
Application August 17, 1943, Serial No. 499,000
5 Claims. (Cl. 200—143)



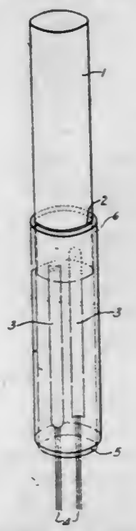
1. A thermo-responsive cable comprising inner and outer tubular conductors, insulating material between said conductors and a core of fusible conducting material within the inner conductor, the said inner conductor having longitudinally spaced apertures but having an otherwise continuous wall.

2,409,360
SEAL STRUCTURE FOR ELECTRIC LAMPS AND SIMILAR DEVICES
Eric Kettlewell, Kingsbury, London, England, assignor to General Electric Company, a corporation of New York
Application March 30, 1944, Serial No. 528,660
In Great Britain April 3, 1942
7 Claims. (Cl. 176—126)

1. The combination with a vitreous refractory envelope wall having an outward projecting vitreous portion affording an internal pocket, and a discharge electrode fitted into said pocket, of an external fluid conduit wall attached to said envelope wall around its said outward projecting portion, and means for circulating cooling fluid in the conduit in contact with said outward projecting wall portion to the inside of which said electrode is attached, thus cooling said electrode.



2,409,361
SEAL FOR ELECTRIC LAMPS AND SIMILAR DEVICES
Eric Kettlewell, Kingsbury, London, England, assignor to General Electric Company, a corporation of New York
Application March 30, 1944, Serial No. 528,660
In Great Britain April 3, 1942
2 Claims. (Cl. 49—92.5)

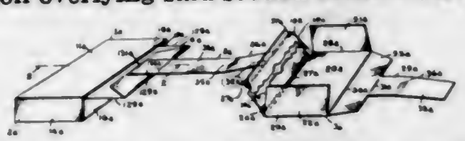


1. In a seal of the class described, the combination of a metallic rod-like electrode and a core member of vitreous material of substantially the same diameter aligned in abutting end-to-end relation, a metallic foil conductor including a portion wrapped around the end of said electrode adjacent said core member and another portion extending therefrom longitudinally of said core member, and a sleeve of vitreous material fused around said core member and the portion of said electrode which is wrapped with foil, said foil conductor being embedded in the fused seal.

2,409,362
PACKAGE
Max Kleinmann, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application January 1, 1942, Serial No. 425,295
2 Claims. (Cl. 206—46)

1. A package adapted to be opened and closed for use with a substantially thin flat article, said

package comprising a base panel member, a second panel member hingedly attached along one side to said base member and movable to and from a position overlying said base member, a third thin flat handle member hingedly attached to the opposite side of the second member and adapted to be pulled for opening the package, said third member being movable to and from a position overlying said second member, a fourth



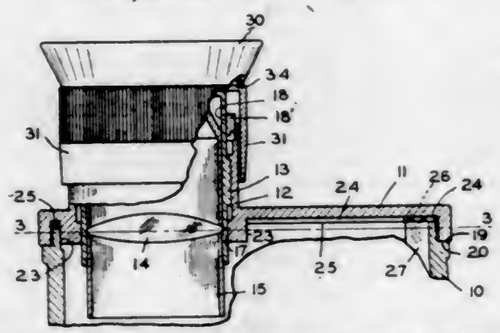
thin flat handle member hingedly attached to said base member at the opposite side from that of said second member, said article being disposed between said base and second members when the package is closed and means for detachably attaching said article to the inner face of said second member for movement therewith whereby when the said third member is pulled to open the package it will cause said article to be clear of said base member to facilitate its removal.

2,409,363
GRINDING AND POLISHING TOOL
Anton Kratky, New York, N. Y.
Application January 14, 1944, Serial No. 518,482
3 Claims. (Cl. 51—209)



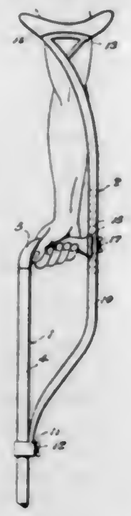
1. A grinding and polishing body formed of bands of different breadth the bands being alternately wider and narrower, in such a manner that next to a wide band there is always a narrower band the abrasive grains being pressed into the gaps formed between the bands of the greater breadth.

2,409,364
OPTICAL INSTRUMENT
Henry F. Kurtz, Rochester, and Robert G. Morrison, Greece, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application October 13, 1943, Serial No. 506,076
8 Claims. (Cl. 88—34)



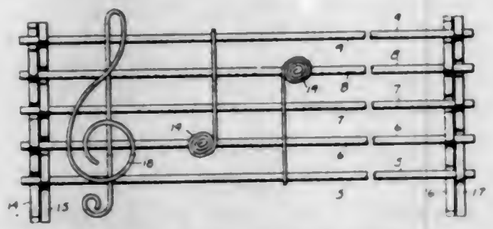
1. In a device of the type described, a body; a uniplanar surface thereon defining a reference plane; a cap for closing one end of said body; a tubular member formed integral with the cap; means carried by said tubular member, a surface on the body, said means and surface cooperating for positioning the axis of said tubular member in a predetermined position relative to said reference plane when the cap is mounted to said body; an ocular tube telescopically received by said tubular member for movement axially thereof; means for holding the axis of said ocular tube coincident with the axis of said tubular member; means for sealing the telescopic connection between the relatively movable tubular member and ocular tube; means carried by said cap and cooperative with said uniplanar surface for locating said tubular member a predetermined distance from said reference plane; and means for sealing the jointure between said cap and body.

2,409,365
CRUTCH
Thomas Lamb, New York, N. Y.
Application June 23, 1945, Serial No. 601,220
9 Claims. (Cl. 135—49)



1. A crutch comprising, in combination, a cane unit including a shaft and a handle at the upper end of said shaft, a demountable crutch unit, means for securing the lower end of said crutch unit to said shaft, and means for securing an intermediate portion of said crutch unit to the free end of said handle.

2,409,366
FRAME STRUCTURE
Felix E. Lang, Sayreville, N. J.
Application September 15, 1945, Serial No. 616,489
1 Claim. (Cl. 211—123)



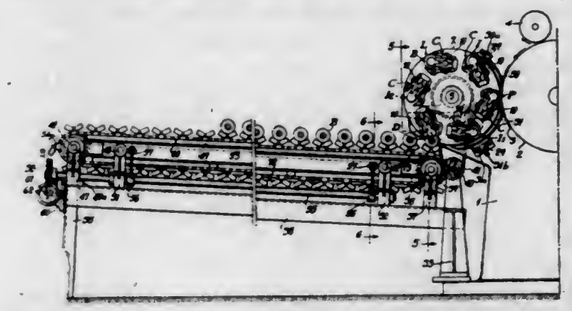
In a music frame comprising a plurality of horizontally disposed glass rods spaced from one another and arranged in parallelism the combination of two supporting standards for gripping and maintaining said rods spaced from one another and in parallelism, each standard comprising two semi-rigid members each of which is transversely interwoven with the said rods and with the members of each of said pairs oppositely interwoven with the said rods and the lower extremities of each of said members extending out of the general plane of the frame and forming leg elements.

2,409,367
PROTECTIVE CLOTHING
Charles W. Leguillon and Carroll P. Krupp, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 22, 1942, Serial No. 459,266
10 Claims. (Cl. 2—82)



4. A flotation suit including a headpiece open at the face thereof and a torso portion of substantially water-tight flexible material and having an opening defined by said headpiece and said torso portion for admitting the wearer's body, the headpiece comprising a neck covering open at the front providing continuity of open front in said torso portion, neck covering and headpiece and having fullness at the back for freedom of movement of the wearer's head, said suit at the opening comprising a margin across and terminating at the forward margins of the open front of said neck covering, said margin comprising a multiplicity of substantially flat elements of a substantially water-tight material relatively soft and flexible as compared to the material of the torso portion and adapted to lie in overlapping relationship and in extensive contact, one with another, the edges of said elements being collectively positionable against one another in edge-on relation to the wearer's neck beneath the lower jaw to present a substantially continuous sealing surface across the edges of the elements at the neck of the wearer, and means in association with said elements for thus positioning said margin in the overlapping and contacting relationship of said elements.

2,409,368
COMBINED PRINTING PRESS AND CONVEYER MEANS
Morris Lipton, Rutherford, N. J., assignor to Sun Chemical Corporation, a corporation of Delaware
Application November 29, 1941, Serial No. 420,948
10 Claims. (Cl. 101—35)



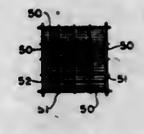
1. A chuck for supporting a bottle in a printing position, said chuck comprising a supporting member, pairs of side-by-side collars secured to said supporting member, arms secured to the respective collars and cooperating to form a pocket for said bottle, and means operable at will whereby said collars may be adjusted circumferentially of said supporting member.

2,409,369
EAR ORNAMENT
Anthony R. Lo Curto, Brooklyn, N. Y.
Application December 8, 1944, Serial No. 567,140
2 Claims. (Cl. 63—14)



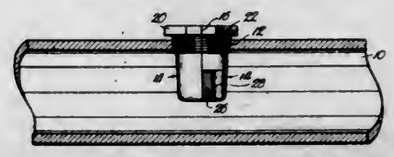
1. An ear ornament consisting of a carrier formed by two curved slender members of resilient material connected for relative movement to change the distance from end to end of the connected structure, one of said members being uppermost and the second lowermost in use, and the latter having its outer end area turned outwardly from its major plane, and an ornament secured to said last named area.

2,409,370
FABRIC
Frank G. Manson, Chicago, Ill., and James J. Maskey, Ferndale, Mich.
Original application June 7, 1943, Serial No. 489,959. Divided and this application April 25, 1945, Serial No. 590,272
4 Claims. (Cl. 139—420)



1. A light-weight fabric from which parachute canopies may be made, consisting of a warp and fill of light-weight thread having therein a network of heavy thread to provide strength to the fabric and forming a primary "rip-stop" and a further network sub-dividing the primary "rip-stop," said further network being made of medium heavy threads to provide additional strength to the fabric and forming a secondary "rip-stop."

2,409,371
MULTIPART DISTRIBUTION NOZZLE
Leon T. Mart, Mission Township, Johnson County, Kans., assignor to The Marley Company, Inc., Kansas City, Kans., a corporation of Kansas
Application November 8, 1943, Serial No. 509,384
1 Claim. (Cl. 299—114)



A spray nozzle of the character described comprising a pair of cupped sections of substantially the same contour having their edges in abutting relation to form a hollow body; a notch formed in the side wall of each section adjacent to one end thereof to provide inlet ports, said notches being diametrically opposed when the sections are together to create the hollow body; opposed notches formed in the opposite ends of the sections to establish an outlet orifice on the axis of the body; a polygonal head on the edge of the sections having the outlet orifice therein to present wrench flats; screw-threads on the ex-

terior of the sections below the said polygonal head; and an inwardly curled lip on each section along that edge thereof forming the first mentioned notches, said lips being eccentric to the axis of the body and directed toward each other to impart a whirling motion to the water passing through the hollow body, said sections having cooperating detents formed on the abutting edges to hold the threads of the two sections in operative relation.

2,409,372

REMOVAL OF ORGANIC FLUORINE

Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application January 3, 1944, Serial No. 516,852
10 Claims. (Cl. 196—41)

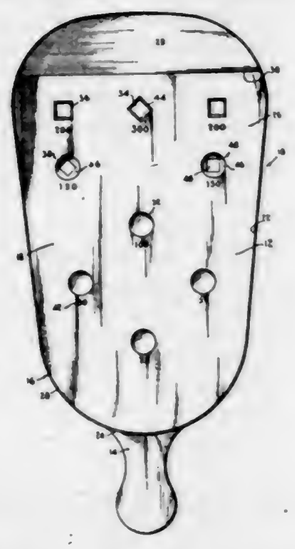
1. The process of removing organic fluorine from hydrocarbon materials containing the same which comprises treating such hydrocarbon materials with a solid contact material comprising a metal oxide catalytically active for hydrogenation and dehydrogenation reactions and containing silica as an impurity, said treating being conducted in the presence of added ammonia under conditions producing a hydrocarbon effluent of substantially reduced fluorine content and substantially free from silicon compounds.

2,409,373

GAME BOARD DEVICE

Oscar Mautner, Crestwood, and Mark K. Lebworth, New York, N. Y.

Application June 19, 1944, Serial No. 540,962
5 Claims. (Cl. 273—113)



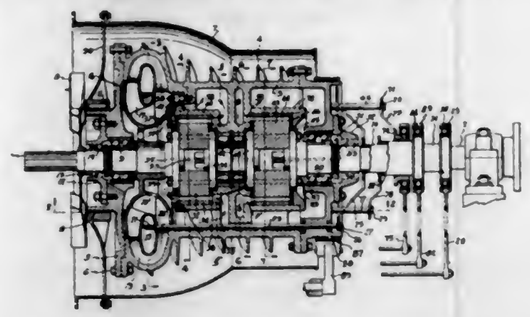
1. In a gameboard device, a gameboard including a substantially flat playing surface, a playing piece for disposition upon the playing surface, the surface having a plurality of indentations formed therein, means for manipulating the gameboard to cause the piece to move over the playing surface, and means for retaining the piece against movement off the surface, the piece including portions each of a distinctly different contour from that of another portion, and certain of the indentations having a form distinctly different from the form of others of the indentations, each contour of a portion of the piece being complementary to at least one of the forms of the indentations.

2,409,374

FLUID TRANSMISSION MECHANISM

Daniel F. McGill, Portland, Oreg., assignor to Donald W. Green, Portland, Oreg., as trustee

Application April 25, 1941, Serial No. 390,294
12 Claims. (Cl. 60—53)



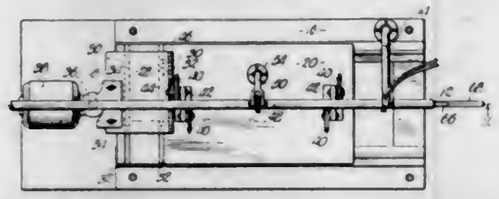
4. In a fluid transmission mechanism: a driving shaft and a driven shaft; a kinetic drive comprising a centrifugal impeller operatively connected to the drive shaft and a turbine runner; a pressure drive comprising a delivery pump operatively connected to the drive shaft and a receiving pump or motor operatively connected to the driven shaft; said drives including a common rotating member containing fluid passageways to provide a simultaneous operation of said drives, said turbine runner being operatively connected to said common rotating member.

2,409,375

APPARATUS FOR CONTOURING THE ENDS OF TUBULAR STOCK

John S. McGuire, Kansas City, Kans., assignor to C. Earl Hovey, Kansas City, Mo., as trustee

Application May 7, 1942, Serial No. 442,048
1 Claim. (Cl. 33—21)



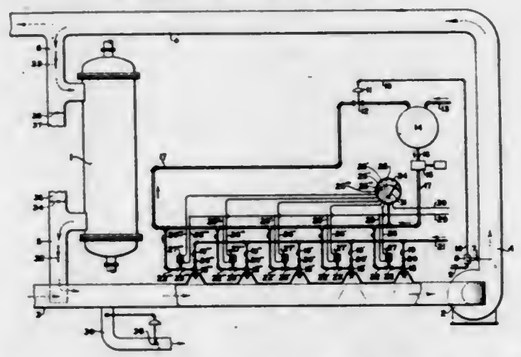
A machine for contouring the ends of tubular articles comprising a support; a cutting or marking tool fixed to the support; a platform mounted on the support for longitudinal rectilinear reciprocating movement; rotatable discs on the platform for supporting the tube being contoured adjacent to the cutting or marking tool, said discs having their axes of rotation parallel to the path of travel of said platform, said tube being in frictional engagement with said supporting discs for rotation therewith as one of said discs is rotated; a table carried by the platform and adapted to move transversely with respect to the support, the said platform, and the said tube; a pinion on at least one of said discs; a rack on said table parallel to the path of travel of the table in operative engagement with said pinion; a planar template removably secured to the table having a working edge contoured to present both longitudinal and transverse components; and stationary driving means engageable with the working face of the template for moving the platform through its paths of travel when the longitudinal components of the working face are engaged and for shifting the table when the transverse components of the work face of the template are engaged by the driving means, whereby the tube is rotated as the table is shifted and the tube is bodily moved with respect to the cutting or marking tool as the platform travels through its path of movement.

2,409,376

METHOD AND MEANS FOR CONTROLLING THE COOLING OF CONVECTIVE FLUID STREAMS

Lev A. Mekler, Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application June 8, 1942, Serial No. 446,306
5 Claims. (Cl. 23—1)



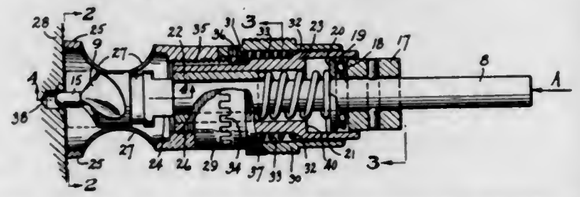
1. A method for dissipating excess heat from a zone in which heat is generated, which comprises passing in indirect heat exchange relation with said zone a convective fluid at a temperature above the boiling point of water but below the temperature prevailing in said zone, thereby increasing the temperature of said fluid, removing the latter from heat exchange relation with said zone and cooling the same by injection of water thereinto at a regulated rate and evaporation of the thus injected water, subsequently returning resultant cooled fluid, including steam evolved from the injected water, into heat exchange relation in said zone, and controlling said rate by varying the upstream pressure of said water in response to variations in the tempertaure of said fluid at a point in its circulation between said cooling and said return into heat exchange relation with said zone and varying the number of points of water injection as said pressure varies.

2,409,377

MICROMETER STOP COUNTERSINK

Wade E. Miller, Los Angeles, Calif., assignor to Aircraft Tools, Inc., Los Angeles, Calif., a corporation of California

Application January 31, 1944, Serial No. 520,569
3 Claims. (Cl. 77—55)



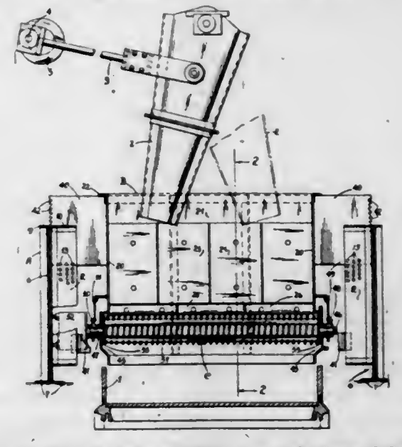
3. In a stop countersink, a threaded body element having an axial groove transecting the threads thereof and a reduced portion, a stop member adjustable on and relative to said body element and arranged to engage work, a manually operable sleeve surrounding said body element and the reduced portion thereof and longitudinally slidable on said body member, said sleeve provided with means to engage said axial groove to hold the same against turning movement, said stop member and sleeve having interengaging teeth, and a spring surrounding the reduced portion of said body member and seated in said sleeve to maintain the teeth of said sleeve and stop member engaged, said sleeve being manually operable against the tension of said spring to disengaging position with respect to said stop member, whereby said stop member may be adjusted on said body member.

2,409,378

FEEDING METHOD AND APPARATUS

Milton F. Morgan, Shaker Heights, Ohio

Application March 21, 1945, Serial No. 583,977
10 Claims. (Cl. 266—21)



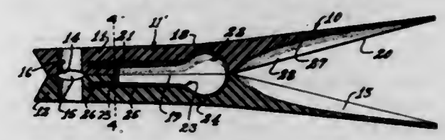
1. The method of feeding a sinterable mixture to a sintering machine pallet which comprises the steps of discharging a stream of such material downwardly toward and back and forth above the pallet, deflecting the falling material angularly toward the side of a vertical abutment, and mixing and fluffing the material below the abutment and just above the pallet.

2,409,379

CLOTHESPIN

Earl M. Mosaly, Eagle Rock, Calif.

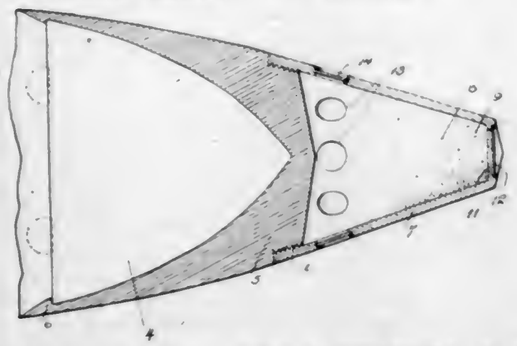
Application November 4, 1944, Serial No. 561,945
1 Claim. (Cl. 24—137)



A clothes pin comprising a pair of arms, said arms being identical, each arm including a body having a gripping portion and an operating portion, each arm gripping portion having an elongated recess extending along the inner face thereof, each recess terminating near the free end of the associated gripping portion, each body adjacent to the free end of the gripping portion including a portion overhanging one end of the recess to provide a shoulder, the end of each recess remote from the shoulder having a substantially semicylindrical groove therein, the grooves being complemental and a spring including a pair of legs joined by a substantially cylindrical intermediate portion, the cylindrical shaped intermediate portion of the spring being seated in the grooves of said arms, the entire outer periphery of the spring cylindrical portion contacting the walls of the grooves, the legs of the spring extending along the gripping portion and being arranged in said recesses, the length of the spring legs being substantially equal to the length of the recesses, the resiliency of the spring being such that the legs of said springs are normally

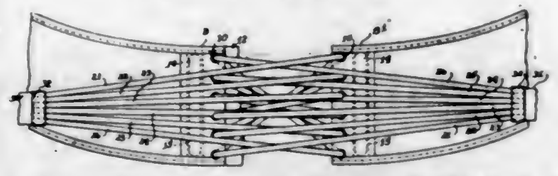
urged towards each other, the free ends of said spring legs being disposed beneath the shoulders, said arms in the gripping portions having opposed notches therein, the notches being aligned to receive a clothes line and said arms having holes therethrough aligned with the notches.

2,409,380
SPOTTING PROJECTILES
Harry J. Nichols, Washington, D. C., assignor to the United States of America, as represented by the Secretary of the Navy
Application March 21, 1925, Serial No. 17,427
Renewed November 9, 1925
24 Claims. (Cl. 102—60)



1. In combination with a projectile, a windshield at the forward end thereof provided with a normally closed aperture on the front of said windshield and a plurality of vents towards the rear thereof, said windshield containing a coloring charge adapted to be ejected on impact with the water.

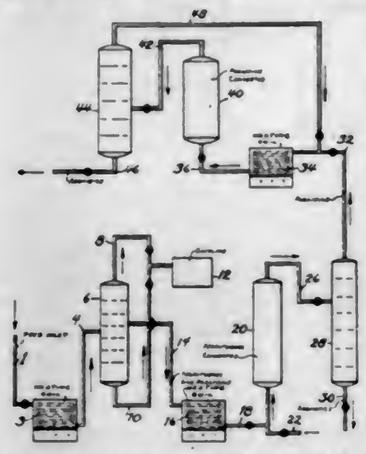
2,409,381
GARMENT LACING
Benjamin F. Pease, Jr., Grafton, Mass.
Application February 19, 1945, Serial No. 578,692
4 Claims. (Cl. 2—39)



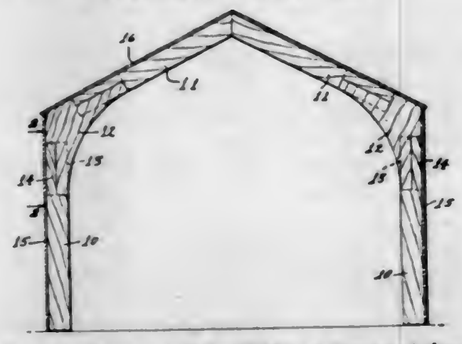
1. In a garment having separable parts, a lacing unit having a plurality of separate lacing elements each having a first portion passing through and engaging an eyelet in the free end of one separable part and at one side of a horizontal center line of said garment and each having a second portion passing through and engaging a second eyelet in the free end of the other separable part and at the other side of said horizontal center line and equally spaced therefrom and each having a section extending diagonally between and connecting said first and second portions, and pull straps to which the ends of all of said lacing elements are secured, whereby the angular relationship of said separable parts may be changed while substantially uniform tension of all of said lacing elements is maintained.

2,409,382
AVIATION GASOLINE PRODUCTION
Edward B. Peck, Elizabeth, N. J., assignor, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware
Application March 11, 1942, Serial No. 434,206
1 Claim. (Cl. 196—49)

The method of treating a hydrocarbon oil cracked stock containing olefins, naphthenes and paraffins and boiling substantially within the gasoline range, to produce separately aromatic compounds and a gasoline of substantially higher knock rating than said cracked stock, which comprises vaporizing said cracked stock, passing the vapors through a fractionating zone, removing a light fraction, an intermediate hexane to octane fraction, and a heavy fraction, said light fraction and said heavy fraction containing compounds having relatively high anti-knock value as compared with said intermediate fraction, combining said light fraction and said heavy fraction to form gasoline, passing said intermediate fraction through a heating coil and thence into a hydrogenation zone in which naphthenes are converted into aromatic compounds and olefins are saturated, thereby forming a product consisting principally of aromatic compounds and paraffins of 6 to 8 carbon atoms per molecule, separating the aromatic compounds and the 6 to 8 carbon atom paraffins, passing the 6 to 8 carbon atom paraffins through a heating coil and thence into a zone where they are converted into a product composed mainly of aromatics, and combining the aromatics produced by the two conversion stages hereinbefore recited.

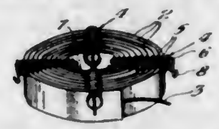


2,409,383
FRAME STRUCTURE
Axel V. Pedersen, Los Angeles, Calif.
Application August 29, 1944, Serial No. 551,642
4 Claims. (Cl. 20—92)



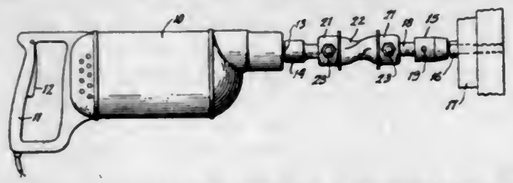
1. A frame for small buildings comprising studs, rafters, and gusset members connecting the studs to the rafters, said studs and rafters having oppositely beveled scarfs in interfitting relationship with complementary scarfs on the gusset members and which are glued thereto, the scarfs on the gusset members being disposed in planes which are at acute angles with the planes of the gusset members and the plane of each scarf intersecting the plane of its respective gusset member along a line which is substantially perpendicular to the length of the studs and rafters respectively.

2,409,384
MEANS FOR PREPARING ALUMINUM ALLOYS FOR HEAT TREATMENT
Victor Eleaph Peterson, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application March 1, 1943, Serial No. 477,502
4 Claims. (Cl. 263—2)



2. Means for preparing a coil of aluminum alloy for heat treatment, comprising a plurality of spring coils having spaced loops with successive loops of the springs adapted to be positioned intermediate adjacent individual coils of the metal to thereby retain these individual coils in spaced relation during heat treatment.

2,409,385
COUPLING
Lloyd H. Pletcher, Buchanan, Mich., assignor of forty per cent to Clarence B. Pletcher, Buchanan, Mich.
Application March 26, 1943, Serial No. 480,622
1 Claim. (Cl. 81—52.4)

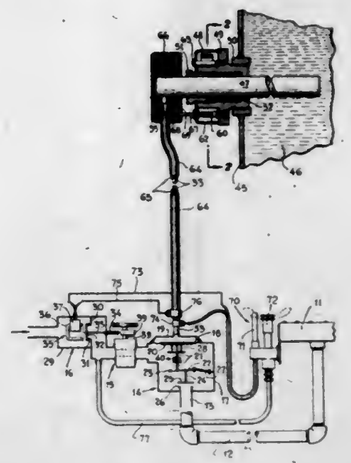


A power operated hand tool comprising a motor having a driving shaft, an elongated resilient tube fixedly secured at one end to the shaft and extending outward therefrom, and wrench means fixedly secured to the other end of the tube and adapted to be pressed longitudinally of the tube into engagement with a work piece, the tube being adapted to twist under a predetermined torque and to shorten its length thereby to move the wrench means toward the motor and away from the work piece.

2,409,386
METHOD FOR PRODUCING NITROGEN FROM INTERNAL-COMBUSTION ENGINE EXHAUST GASES
Eric L. Pridonoff, Alhambra, and Arthur J. Schneider, Pasadena, Calif., assignors to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application June 30, 1944, Serial No. 543,042
2 Claims. (Cl. 23—220)

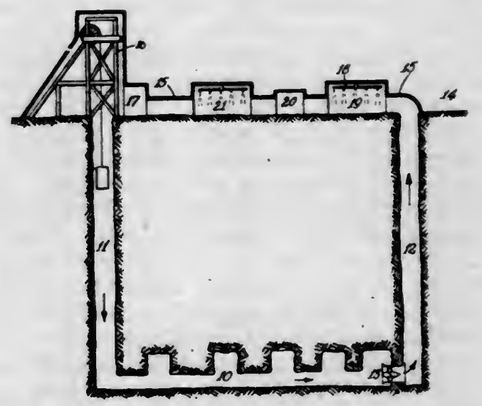
2. In the production of nitrogen gas at pressures in excess of 500 pounds per square inch from the exhaust gases of an internal combustion engine containing a large proportion of nitrogen together with oxides of nitrogen and water vapor and involving the cooling of the gas to condense water vapor, the removal of the water thus condensed, the treatment of the residual gas with activated carbon to remove oxides of nitrogen, and the compression of the gas thus purified in a multiplicity of stages with cooling between stages, the improvement which comprises treating the gas in compressed state after the last cooling stage and immediately prior to the final compression stage with silica gel until its water content is less than .01%, whereby the corrosive effect of residual oxides of nitrogen in the gas is inhibited.

2,409,387
CONTROL DEVICE
William A. Ray, Los Angeles, Calif., assignor to General Controls Co., a corporation
Application February 15, 1943, Serial No. 475,859
3 Claims. (Cl. 200—138)



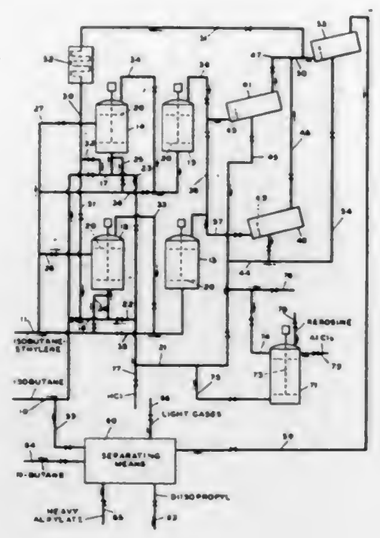
1. In combination: a first temperature-responsive control device comprising a thermal bulb having a metallic capillary tube extending therefrom for connection to relatively remote fluid pressure operated means to be controlled by the device, a second temperature-responsive device adapted to control an electric circuit and mounted on said thermal bulb in good heat-transfer relation thereto so that both of said devices are substantially equally thermally affected, and a pair of electrical conductors for connecting said second device in said circuit, one of said electrical conductors being formed in part by said capillary tube and the other comprising an element insulatingly supported by the tube.

2,409,388
CONDITIONING THE ATMOSPHERE IN SUBTERRANEAN EXCAVATIONS
John Price Rees, Johannesburg, Transvaal, Union of South Africa
Application August 18, 1942, Serial No. 455,268
In the Union of South Africa July 4, 1942
6 Claims. (Cl. 98—50)



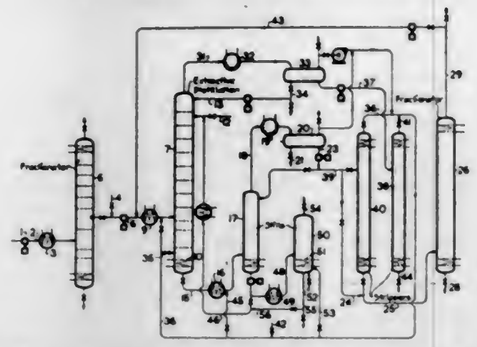
1. A closed circuit mine ventilating system including mine workings, downcast and upcast shafts connected with said workings, means distant from the workings for discharging heat from gas in the circuit, and means for injecting into the circuit a respirable inert gas which comprises helium in a proportion of at least about 40% by volume.

2,409,389
ALKYLATION PROCESS
Clarence R. Ringham, Oklahoma City, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 28, 1944, Serial No. 556,208
3 Claims. (Cl. 260—683.4)



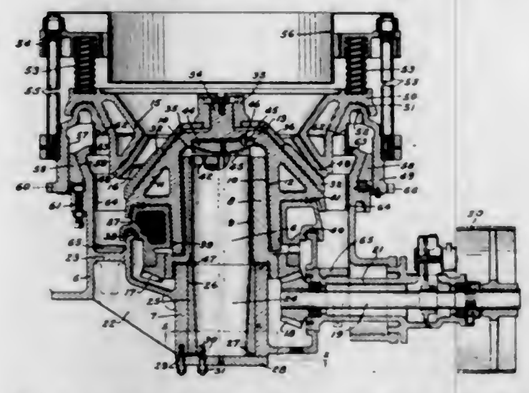
1. An improved process for reacting ethylene and isobutane to form diisopropyl, which comprises conducting said reaction in two sets of reactors having two reactors in each set, passing a portion of an isobutane feed to the bottom of the first reactor of each set, passing a portion of an isobutane-ethylene feed to the bottom of each of said reactors and also to an intermediate point of the first reactor of each set, passing from a common catalyst source a portion of a liquid aluminum chloride-hydrocarbon complex catalyst to the bottom of the first reactor of each set in an amount not greater than that which will permit said catalyst to be the dispersed phase in the resulting admixture, maintaining an alkylation temperature in each said reactor, passing an intimate hydrocarbon-catalyst admixture from the top of the first reactor of each set to the bottom of the second reactor of the respective set, flowing the contents of each reactor from bottom to top and effecting a vigorous stirring of the contents of each said reactor to establish an intimate admixing of the contents thereof, passing the effluents of each second reactor to a corresponding primary settling zone to separate a liquid hydrocarbon material containing a minor amount of entrained catalyst from the bulk of the admixed catalyst, combining the hydrocarbon effluents of each primary settling zone and combining the catalyst effluents of each primary settling zone, passing at least a portion of said combined hydrocarbon effluents to a secondary settling zone wherein substantially all of the remaining entrained catalyst is separated from the effluents, removing from said secondary settling zone a hydrocarbon material and recovering therefrom a diisopropyl fraction as a product of the process, removing also from said secondary settling zone liquid catalyst, and combining said liquid catalyst with the aforesaid combined catalyst effluents to form a uniform catalytic material as the aforesaid common catalyst source.

2,409,390
PROCESS FOR SIMULTANEOUSLY ISOMERIZING AND SEPARATING CYCLOPARAFFINS FROM ACYCLIC PARAFFINS BY MEANS OF AN ALUMINUM HALIDE-HYDROCARBON COMPLEX
William E. Ross, Berkeley, and Philip Pezzaglia, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif.
Application December 4, 1944, Serial No. 566,538
10 Claims. (Cl. 260—666)



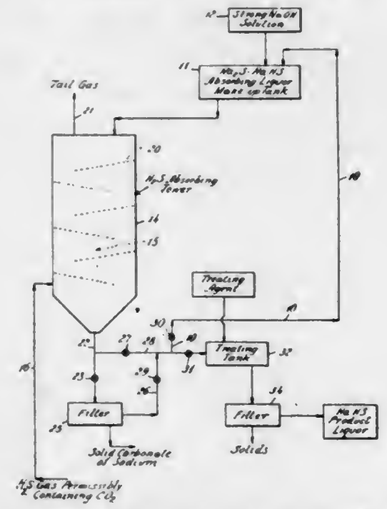
10. The process for the separation of cycloparaffins from a hydrocarbon mixture comprising an isomerizable cycloparaffin having at least six carbon atoms to the molecule and containing at least five carbon atoms in the ring in admixture with open chain paraffins having substantially the same boiling range while simultaneously isomerizing said cycloparaffin, which comprises subjecting said hydrocarbon mixture to extractive distillation in the presence of a hydrogen halide and a preformed metal halide-containing complex interaction product obtained by the interaction of a metal halide of the Friedel-Crafts type and an organic compound, thereby isomerizing said cycloparaffin to a cycloparaffin of different molecular structure having the same number of carbon atoms to the molecule and containing at least five carbon atoms in the ring while simultaneously forming a vapor fraction comprising paraffins and a liquid fraction comprising said metal halide-containing complex in admixture with said isomerized cycloparaffin, and separating cycloparaffins comprising said isomerized cycloparaffin from said liquid fraction.

2,409,391
SUPPPORT AND ACTUATING STRUCTURE FOR GYRATORY CRUSHER HEADS
Harvey H. Rumpel, Milwaukee, Wis., assignor to Smith Engineering Works, Milwaukee, Wis., a corporation of Wisconsin
Application May 31, 1943, Serial No. 489,108
4 Claims. (Cl. 241—208)



1. In a crusher, a frame having an upright bore, an upstanding column having a lower tapered portion extending into said bore, a split sleeve interposed between said tapered column portion and said bore, a member secured to said frame and spanning the lower end of said bore, a series of removable shims interposed between said member and the bottom of said sleeve for varying the elevation of the latter, means coacting with said member for pulling said column into said sleeve to clamp the column to said frame, an eccentric rotatable about said column, a crushing head coacting with said eccentric and having the major portion of its weight carried by the top of said column independently of the eccentric, and means for rotating said eccentric to gyrate said head relative to said column.

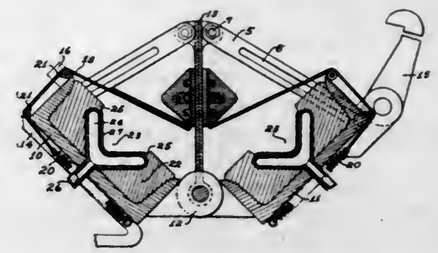
2,409,392
MANUFACTURE OF SODIUM SULFIDES
Arthur W. Saddington, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application October 9, 1943, Serial No. 505,596
10 Claims. (Cl. 23—134)



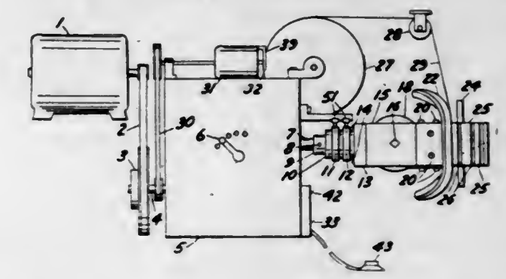
4. The method of producing purified sodium hydrosulfide which comprises forming an Na_2S-NaHS liquor containing metallic impurities of the type present in commercial sodium hydroxide, contacting said liquor with an H_2S gas containing CO_2 as an impurity under temperature conditions high enough to maintain sodium sulfide in liquid phase, continuing contact of the liquor and H_2S gas for an interval sufficient to effect conversion of at least a major portion of the Na_2S content of said liquor to NaHS thereby forming an NaHS liquor containing an amount of available carbonate of sodium equivalent to substantially more than 0.06% by weight of CO_3 radical, reducing the available carbonate of sodium content of said NaHS liquor to an amount equivalent to not more than 0.06% by weight of CO_3 radical, controlling the composition of the resulting NaHS liquor so that such liquor contains not more than 5% by weight of sodium sulfide, thereby effecting coagulation and precipitation of metallic impurities, and separating said metallic impurities from such liquor.

2,409,393
FLUID PRESS
Leslie Laszlo Schaffer, Vancouver, British Columbia, Canada
Application July 29, 1943, Serial No. 496,635
3 Claims. (Cl. 144—281)

1. A fluid press for molding laminated articles, comprising two casings hingedly connected at their adjacent upper corners, a base hingedly mounted between the casings, a mold of the shape of the finished article mounted on each side of the base, a cavity in each casing adapted to receive the mold on the base opposite its casing, a layer of flexible material positioned on opposite sides of the base, each layer being connected at one of its ends to the base of each mold and extending over the entrance to the cavity, resilient means connected to the opposite end of each layer to keep it taut, each of said layers being adapted to receive between itself and the adjacent mold a plurality of superposed laminations of bendable material with glue therebetween and yieldably to press and hold against disalignment said laminations around the molding surfaces of the molds as the molds are moved into the cavities when the casings are brought together with the base therebetween, means within each cavity capable of moving outwardly therefrom, means for firmly holding the casings together, and means for moving the movable means of the cavities outwardly therefrom to press the articles against the molds.



2,409,394
ARMATURE WINDER
Paul A. Schnebelen, Toledo, Ohio
Application December 18, 1944, Serial No. 568,758
4 Claims. (Cl. 242—13)

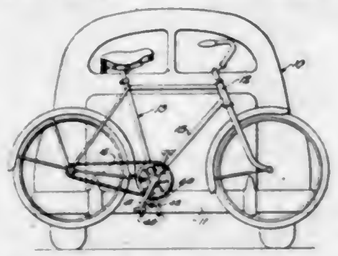


1. A coil winder comprising a non-magnetic support, a pair of arc-faced magnet opposite poles extending from the support and forming a seat complementary to a longitudinally slotted armature adapted to be magnetically locked therewith as an article of work, and non-magnetic guide wings mounted on the poles for directing wire to be wound directly to exposed slots adjacent the seat.

2,409,395
BICYCLE CARRIER
Frank W. Schwinn, Chicago, Ill.
Original application November 19, 1943, Serial No. 510,875. Divided and this application March 7, 1945, Serial No. 581,393
9 Claims. (Cl. 224—29)

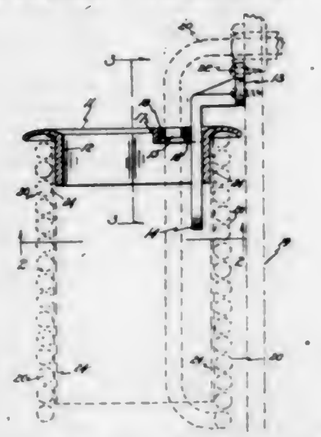
1. In a bicycle carrier the combination of a supporting bracket formed with a clamp socket, said bracket being adapted to be secured to the bumper of an automobile, and a bicycle having its frame provided with a downwardly extending stud adapted to be received in said clamp socket,

said stud being permanently rigidly attached to said frame and a part thereof and holding the



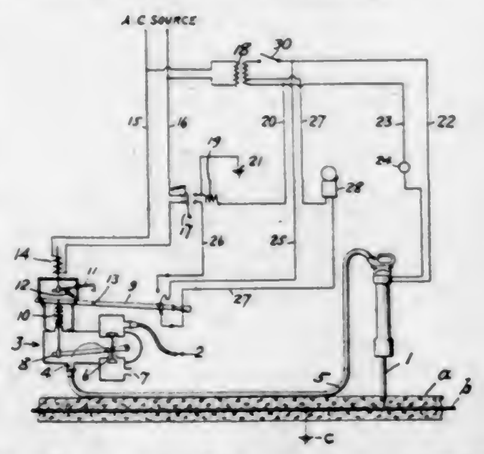
bicycle in upright position when said stud is clamped in said socket.

2,409,396
PROTECTIVE COLLAR UNIT FOR REFRIGERATING COILS
George Seiler, Chicago, Ill.
Application April 26, 1945, Serial No. 590,458
6 Claims. (Cl. 62—147)



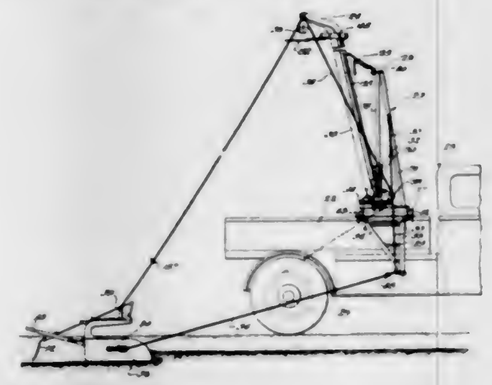
2. A protective metal collar having an integral inwardly extending projection provided with two spaced apart apertures therein, one of said apertures being adapted to receive the lower end portion of a mounting bracket, and the other of said apertures being adapted to receive and hold in proper position a coil pipe terminal connecting with the liquid dispensing faucet.

2,409,397
SAFETY CUTOFF FOR POWER-OPERATED HAND TOOLS
Edward F. Sheehan and George V. Hunt, Philadelphia, Pa.
Application October 13, 1943, Serial No. 506,080
3 Claims. (Cl. 121—35)



1. A safety cut-off apparatus comprising in combination a power driven hand tool, power cut-off means having yieldable means normally urging said cut-off means to the cut-off position to stop the tool, a source of electric current, a first electric circuit connected to said source and including an electro-mechanical detent constructed and arranged to restrain said yieldable means from moving said cut-off means to the cut-off position when said detent is energized by said electric current and to release said yieldable means permitting said cut-off means to assume the cut-off position when the electric current to said detent is interrupted, a normally closed relay having its contacts in said first circuit in series with said detent, a second electric circuit connected to said source and including the operating coil of said relay, and means in said second circuit for energizing said relay operating coil responsive to the conditions under which it is desired to stop the tool, whereby the tool will be stopped upon operation of the means for energizing said relay operating coil and also upon the occurrence of any other interruption of the current supply to said first circuit.

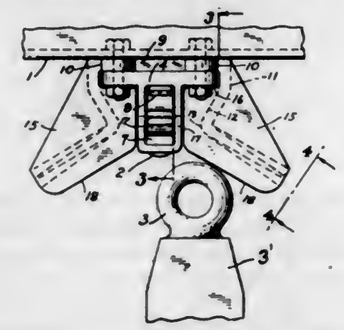
2,409,398
TRUCK LOADER
Robert C. Shoemaker, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon
Application February 16, 1945, Serial No. 578,256
19 Claims. (Cl. 214—81)



1. Truck loading apparatus adapted to be secured to the body of a truck and comprising, in combination, a supporting structure adapted to be mounted upon the truck body and including a boom extending upwardly and outwardly at one side of the truck body, said boom being supported for swinging movement from a normal position in which it extends laterally beyond the side of the truck to a position in which it overhangs the truck body with the top of the boom substantially spaced thereabove, a drag bar extending laterally from the boom side of the truck and supported by the support structure, a scoop device, a drag line having one end secured to the outer end of the drag bar and extending rearwardly of the truck with its other end connected to the scoop device, a series of pulleys carried by the boom and supporting structure, a winding drum carried by a rear wheel of the truck on the opposite side of the truck from the boom, a hoisting cable secured at one end to the scoop device and extending upwardly therefrom to a pulley on the boom and thence downwardly and across the truck body through other of said pulleys to the winding drum, the other end of said hoisting cable being secured to the winding drum, and means adapted to drive said drum from the wheel when the truck moves in one direction to wind the hoisting cable on the drum for raising the scoop device,

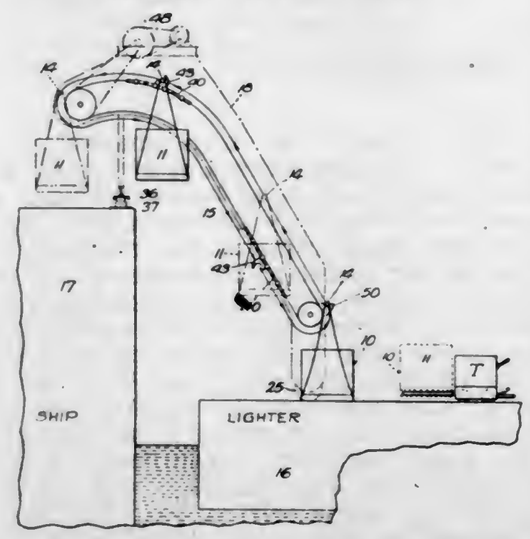
the last mentioned means being adapted to release the drum during movement of the truck in the opposite direction so that the scoop device may be dragged by the drag line and drag bar.

2,409,399
TRAILER HITCH DEVICE
Alfred F. Solon, Oakland, Calif.
Application March 12, 1945, Serial No. 582,387
4 Claims. (Cl. 280—33.15)



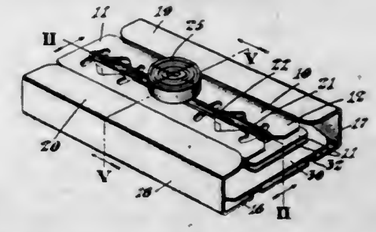
1. In a trailer hitch of the character described having an attaching plate with a hook projecting from one side, means for guiding the eye of a trailer drawbar to said hook comprising a rigid body secured to said plate and provided with a pair of upright walls spaced on opposite sides of said hook while preserving an open slot above the hook and diverging outwardly therefrom, and horizontally extending flanges at the upper edges of said walls overhanging the same to limit upward movement of the drawbar eye when the diverging walls are moved toward the eye so as to guide the eye to position for falling over the hook, said upright walls being arranged in a manner to urge the eye upward against the overhanging flange when the walls are forced against the eye.

2,409,400
TRANSFER DEVICE
Andrew G. Telford, Aurora, Ill.
Application February 16, 1945, Serial No. 578,211
5 Claims. (Cl. 198—123)



1. In a transfer device of the class described, a frame comprising laterally spaced side members connected together adjacent to their upper lengthwise edge portions only and forming a lengthwise passageway having an open bottom between the lower lengthwise edge portions of said members, a wheeled support for each of said members at one end portion of the frame, laterally spaced legs adjacent to the opposite ends of the members, a universal bearing for supporting said legs, a flexible endless conveyor element movable along each member, and hooks formed on said elements adapted to engage the opposite ends of a bar supporting a load in the passageway.

2,409,401
BLADE MAGAZINE
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application April 19, 1944, Serial No. 531,727
13 Claims. (Cl. 206—16)



1. A blade magazine having walls forming an elongated enclosure, a stack of slotted open-end blades within the enclosure, the slots having a local enlargement therein, a rib in the enclosure engaged at opposite ends with one end only of alternate blades of the stack, each blade having its slot enlargement overlapping the surface of the next lower blade in the stack, and a feed slide having a portion shaped to enter and fill the slot enlargement of the uppermost blade.

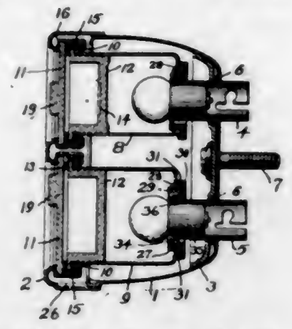
2,409,402
METHOD OF RECLAIMING
Harry H. Thompson and Derwin V. Moore, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application August 29, 1942, Serial No. 456,711
2 Claims. (Cl. 134—31)

1. A method of separating metal from soft vulcanized rubber vulcanized thereto which comprises weakening the rubber-to-metal bond by exposing the metal-rubber object to a gaseous mixture of steam and the vapor of a rubber softening oil at a temperature of about 300–425° F. for at least about 16 hours, and thereafter separating the rubber from the metal.

2,409,403
VEHICLE SIGNAL
Wagn Trautner, Hamilton, Ohio, assignor to The K-D Lamp Company, Cincinnati, Ohio, a corporation of Ohio
Application May 11, 1943, Serial No. 486,537
2 Claims. (Cl. 240—41)

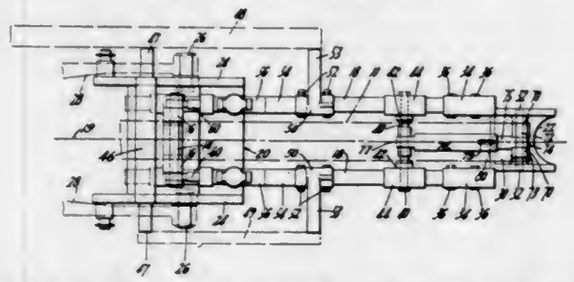
1. In an illuminating device, a can, a lens having a sealed relationship with one end of the can, the other end of the can being closed except for a perforation in said end, said perforation being of a size to accept the bulb of an incandescent lamp, an incandescent lamp having a bulb and base, and a fixture on said base and sealed thereto, said fixture having a portion for co-acting with said can to effect a sealed connection when said fixture and lamp are in place on said can with the bulb within said can, and the parts held together by pressure exerted respectively on the can and the fixture, the edges of said can end being in-

turned about said perforation to form a substantially cylindrical recess, said fixture having a cylindrical portion fitting in said recess, and an outlying peripheral flange substantially paralleling the can end, the walls of said cylindrical recess having a groove, and the cylindrical part of said fixture having a mating ridge, the walls of



the said cylindrical portion of the fixture being inturned at one end to provide a recess for the acceptance of the base of said lamp, and then slightly outturned to provide about said base a groove for sealing substance and an abutment whereby pressure may be exerted on said fixture by a socket in which said base is placed.

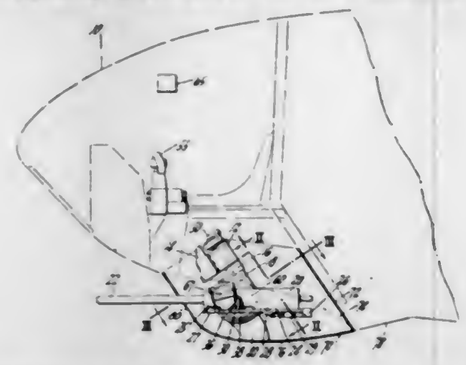
2,409,404
SHOCK ABSORBING GUN MOUNT
John C. Trotter, Williamsville, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application February 9, 1942, Serial No. 429,986
6 Claims. (Cl. 89—42)



4. A machine gun mount including, a pair of spaced rails interconnected at their corresponding opposite end portions by rigid bracket devices thereby forming a rail-bracket structure, slide bearing means slidably mounted upon said rails and engaged by connector devices extending from the gun to be mounted thereon whereby the gun will be reciprocable relative to said rail-bracket structure, a pair of recoil shock absorbing and counter recoil control devices mounted upon said rails near one end of said rail-bracket structure and arranged to be operatively associated with the mounted gun at opposite sides thereof to have their recoil reaction axes disposed in parallel relation, and a recoil motion control and counter recoil force device operatively connected to the gun and mounted upon the bracket device connecting said rails adjacent the opposite end of said rail-bracket structure and having its axis at least in one view between the reaction axes of said first mentioned control devices.

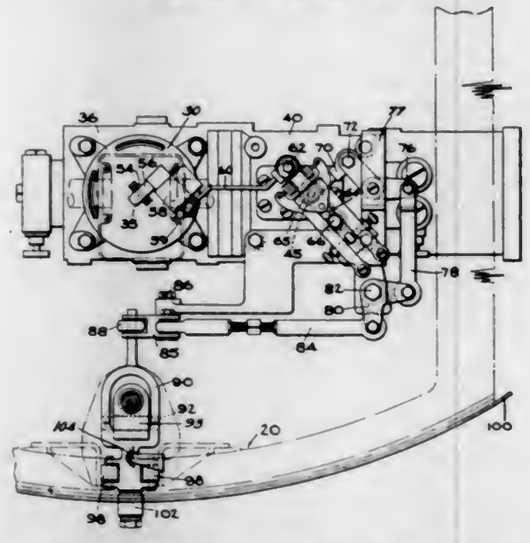
2,409,405
AIRCRAFT GUN MOUNT
John C. Trotter, Williamsville, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application March 20, 1943, Serial No. 479,899
3 Claims. (Cl. 89—37.5)

1. In combination, an aircraft including a streamlined body having a convergent end and a thrust axis, bearing means supported by said aircraft and inclined away from said end and outwardly with respect to said axis, a gun mount, a post rotatably journalled on said bearing means



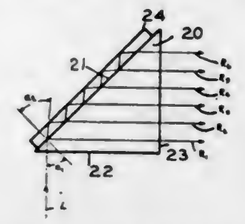
and suspending said gun mount, and an enclosure for said gun mount rotatable therewith about a common axis, said enclosure being faired into and with respect to said body.

2,409,406
SAFETY CONTROL MECHANISM FOR POWER-OPERATED ORDNANCE
John C. Trotter, Burlington, Vt., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application June 28, 1944, Serial No. 542,498
7 Claims. (Cl. 89—41)



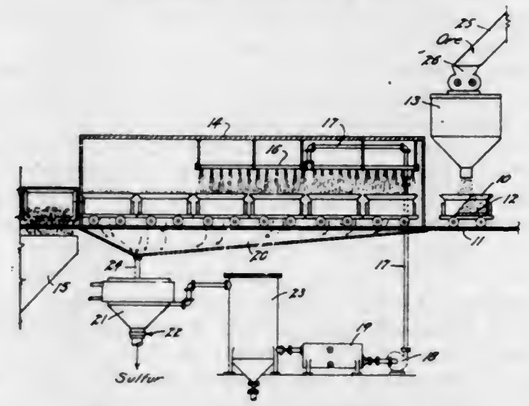
1. The combination with manual control means for regulating the aim of a gun, and a motor regulator actuated by said means, of an automatic safety device for controlling the aim of the gun irrespective of the manual control means during predetermined intervals of travel of the gun, said safety device comprising a double ended control lever having its pivotal fulcrum point substantially intermediate its ends during manual control, one end of said lever being operatively connected to said manual control means and its other end connected to an arm carried by the motor regulator, a cam track, a pivoted arm having one end engaging said track and its other end operatively connected to the central pivotal fulcrum point of said control lever, whereby to change the pivotal fulcrum point of said control lever during operation of said safety device and to cause it to be rotated about the end thereof which is operatively connected to the manual control means, thus causing the arm of said regulator to be rotated independently of the manual control.

2,409,407
REFLECTING ELEMENT FOR POLARIZED LIGHT
Arthur F. Turner, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 22, 1943, Serial No. 476,675
4 Claims. (Cl. 88—65)



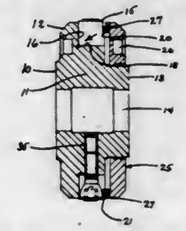
1. A transparent body having a plurality of totally reflecting surfaces from which light entering the body is successively reflected, each of said surfaces being characterized by introducing a shift in the phase of the components of polarized light which is passing through the body and which is reflected by said surfaces; and means on one of said surfaces for selectively modifying the phase shift between the components normally introduced in polarized light by reflection at that surface whereby to selectively alter the sum of the phase shifts occurring at all of the surfaces, said means comprising a nonmetallic interference film, said film being transparent and substantially isotropic and having an index of refraction different from that of said body and a substantially uniform geometrical thickness which is of the order of magnitude of a wavelength of light, the refractive index and thickness of the film being chosen to produce the selected phase displacement of the polarized light reflected by said surfaces.

2,409,408
METHOD OF DISSOLVING SULFUR FROM ORES
George W. Tweeddale, Glendale, Calif.
Application March 16, 1944, Serial No. 526,767
1 Claim. (Cl. 23—312)



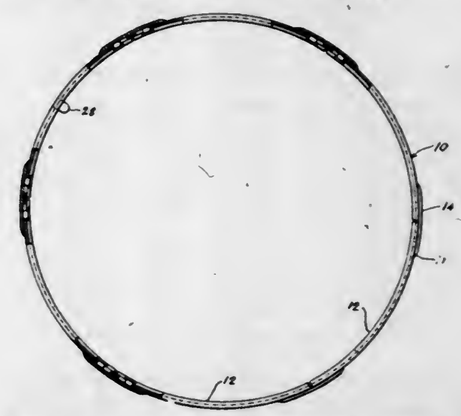
A method for recovering sulfur from free sulfur bearing ores comprising: crushing said ore; placing said crushed ore in wheeled cars having screened bottoms; forcing each succeeding car beneath a spray of hot kerosene so that it will force the proceeding car from beneath said spray; collecting the solution flowing from the screened bottoms of said cars; chilling the collected solution to precipitate the sulfur therefrom; drawing off the supernatant fluid; heating said latter fluid to approximately 140° C.; returning the heated fluid to said spray; dumping the ore from each successive car after it leaves said spray; thence returning the dumped cars to a position to receive additional crushed ore.

2,409,409
ROLL TYPE DIE HOLDER
Edward Wild and H. Calvin Bitter, West Hartford, Conn., assignors to The Parker Stamp Works, Inc., Hartford, Conn., a corporation of Connecticut
Application April 10, 1945, Serial No. 587,560
3 Claims. (Cl. 101—377)



1. In a roll type die holder, a roll comprising two generally circular members forming a circumferential channel for type die blocks, said members being threadably joined together for axial movement relative to one another, one of said members having an internal truncated conical cam surface, type die blocks in said channel having shoulders opposed to said cam surface, and a contractable ring between said shoulders and said cam surface.

2,409,410
BEAD LOCK RING AND ASSEMBLY
Charles E. Zarth, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application July 3, 1942, Serial No. 449,601
5 Claims. (Cl. 152—400)

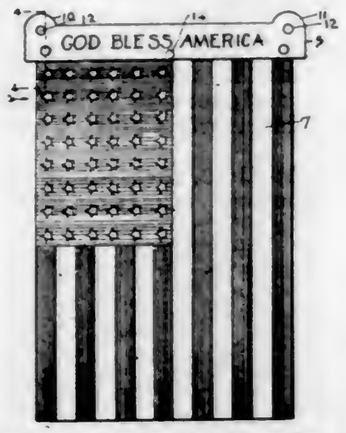


3. A bead lock ring for use with open-beaded, straight-sided pneumatic tires including a plurality of arcuate segments of channel-shaped cross section, arcuate plates bridging between the ends of the segments, rivets secured to the arcuate plates and extending through slotted openings in the ends of the segments to provide pivotal lost motion connections between segments, and heads on the rivets received within the channel shape of the segments.

2,409,411
FULL DISPLAY FLAG HOLDER
Arthur O. Zedler, Yonkers, N. Y.
Application August 2, 1944, Serial No. 547,716
1 Claim. (Cl. 116—173)

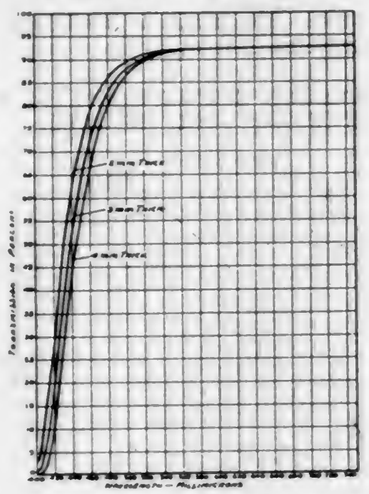
A flag holder comprising a bar formed with a longitudinal slot, a U-shaped metal strip fitted

in the slot and having outwardly directed flanges disposed against the edge of the bar, a flag having one edge thereof disposed in the U-shaped metal strip, and screws extending through the bar and through the metal strip and flag to hold



the flag and metal strip in the slot, the flanges of the metal strip extending outwardly of the sides of the bar, and the bar having means on the ends thereof to hang the same horizontally or vertically.

2,409,412
ULTRAVIOLET ABSORBING GLASS
William H. Armistead, Jr., Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application October 13, 1944, Serial No. 558,549
6 Claims. (Cl. 106—54)

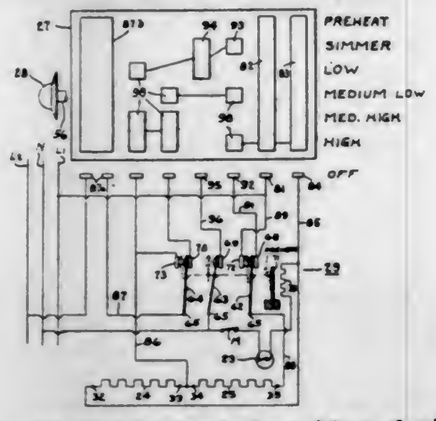


1. A yellow ultraviolet absorbing glass which consists essentially of silica, boric oxide, alkali metal oxide, not less than about 10% Al_2O_3, from .02% to .5% Fe_2O_3, and which contains by analysis at least .4% of a halide having an atomic weight between 35 and 127, the ratio of alumina to alkali metal oxide being greater than one.

2,409,413
STABILIZED CUPROUS OXIDE
Harold J. Becker, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application June 17, 1942, Serial No. 447,479
2 Claims. (Cl. 23—147)

1. A substantially oxidation-resistant cuprous oxide powder comprising a cuprous oxide powder individual particles of which have a surface coating of dextrin.

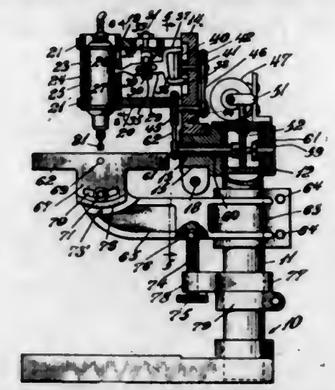
2,409,414
HEATING APPARATUS
Edward Bletz, Lexington, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 8, 1942, Serial No. 450,135
1 Claim. (Cl. 219—20)



In an electrically-heated cooking device, the combination of a plurality of electrical heater elements for heating a vessel adapted to contain food, supply conductors for supplying electrical energy to said heater elements, a selector switch movable to an "off" position and to a plurality of operating positions, a transfer switch movable to a normal position and to a preheat position, said selector switch and said transfer switch being connected in series with each other and with at least one of said heater elements in a plurality of operating positions of said selector switch, said switches being so constructed and arranged and connected to said supply conductors and said heater elements in such manner that, whenever said selector switch is in any one of a plurality of operating positions and said transfer switch is in said preheat position each of said heater elements is connected across the supply conductors of maximum voltage, and that, whenever said transfer switch is in its normal position said selector switch is effective in its different operating positions to effect various circuit connections between said supply conductors and said heater elements to provide various rates of heat delivery to the cooking appliance including one position in which each of said heater elements is connected across the supply conductors of maximum voltage, said selector switch being adapted to cause all the heater elements to be substantially deenergized when in the "off" position, and means for actuating said transfer switch to its normal position in response to increase in temperature of said vessel above a predetermined value, said means comprising a heating element, a thermostatic member subjected to heat from said heating element and adapted to actuate said transfer switch to its preheat position when said heating element is energized and to its normal position when said heating element is not energized, and a thermostatic switch adapted to effect deenergization of said heating element in response to increase in temperature of said vessel above said predetermined value.

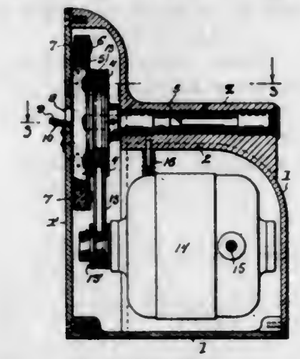
2,409,415
UNIVERSAL BENCH GRINDER
Anders Bernhard Blomquist, Cranston, R. I.
Application June 20, 1945, Serial No. 600,521
6 Claims. (Cl. 51—34)

1. A machine tool having a grinding head mounted for movement through an arc greater than 180°, a motor slidably mounted in said head, means for attaching an abrasive wheel to the



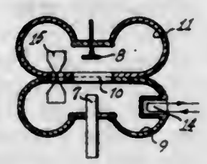
spindle of said motor, a rockably mounted lever engaging said motor, and a cam engaging said lever for reciprocating said motor.

2,409,416
BLADE GRINDER
Fred E. Broberg, Racine, Wis.
Application May 9, 1945, Serial No. 592,878
1 Claim. (Cl. 51—128)



A blade sharpener tool comprising a housing, a motor driven abrasive wheel mounted therein, the same including an abrasive ring, a face-plate carried by the housing, having a horizontally disposed slot therein extending outwardly from a point near the center of the wheel, an angularly positioned blade rest adjacent the lower edge of the slot, a bracket carried by the face-plate near the center of the wheel, a pivot connecting the bracket and blade rest, a down turned lip extending from the blade rest, a guide tooth carried by the lip adapted to guide a blade being sharpened, and means connecting the down turned lip, and housing for adjusting the aforesaid blade rest relative to the abrasive ring.

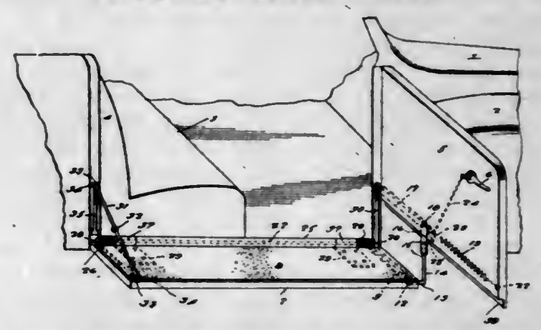
2,409,417
ELECTRON DISCHARGE DEVICE
Cabot Seaton Bull, Hillingdon, England, assignor to Electric and Musical Industries Limited
Application May 29, 1944, Serial No. 537,854
In Great Britain June 21, 1941
5 Claims. (Cl. 315—6)



1. An electron discharge device having a cathode for supplying a beam of electrons and a collector for receiving said electrons, and a pair of

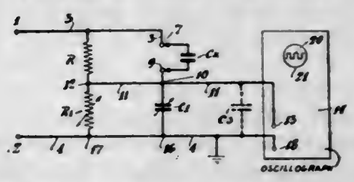
cavity resonators surrounding the electron path between the cathode and the collector and through which the beam of electrons successively passes, and a reversed coupling loop extending between said resonators whereby noise currents set up by passage of the electron beam through the first resonator are reduced or substantially neutralized by the noise current set up by the passage of the electron beam through the second resonator.

2,409,418
VEHICLE STEP
Asa B. Carmichael, Tujunga, Calif.
Application December 4, 1945, Serial No. 632,742
3 Claims. (Cl. 280—166)



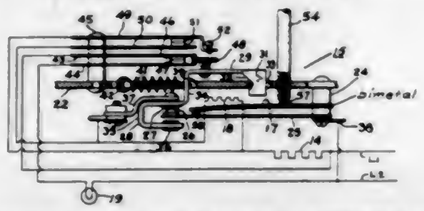
1. In a device of the character described, the combination with a vehicle door and a vehicle frame, of a step, means hingedly securing said step to said frame, a translatable bracket for supporting said step, means in said frame for containing said bracket, means responsive to opening of said door for opening said step and removing said bracket from said means for containing, said third named means being responsive to closure of said door for effecting retraction of said step, and for effecting withdrawal of said bracket into said means for containing.

2,409,419
DEVICE FOR MEASURING IMPEDANCES
Peter S. Christaldi, Upper Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application June 8, 1943, Serial No. 490,032
6 Claims. (Cl. 175—183)



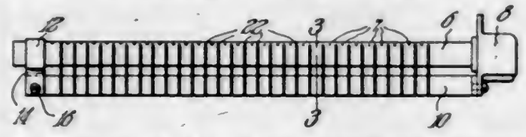
1. In a device of the character described means for measuring impedances which comprises a three terminal network made up of a parallel connected pair of known impedances, one of which is resistive and the other is reactive, connected in series with a third known impedance which is of the same type as one of said known impedances, at least one of said impedances being adjustable, said third impedance being connected to terminals at opposite ends of this third impedance which are adapted to be connected to the ends of an impedance to be measured, input terminals for a signal of complex wave form connected to opposite ends of said series connected three terminal network, output terminals connected to opposite ends of said parallel connected pair of impedances and a wave form indicating device to which said output terminals are connected.

2,409,420
HEATING APPLIANCE
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 26, 1942, Serial No. 436,299
8 Claims. (Cl. 219—25)



7. A thermostat comprising a temperature-responsive element, a first switch opened by said temperature-responsive element in response to increase above a predetermined temperature and closed thereby upon decrease below substantially the same temperature, auxiliary heating means arranged so that the heating effect thereof is imposed on said temperature-responsive element, and a second switch controlling energization of said auxiliary heating means, said temperature-responsive element actuating said second switch to deenergize said auxiliary heating means in response to increase above a second predetermined temperature and to energize said auxiliary heating means in response to decrease below substantially the same temperature, said second predetermined temperature being sufficiently below the first-mentioned predetermined temperature so that said second predetermined temperature is not reached during normal operation of the thermostat.

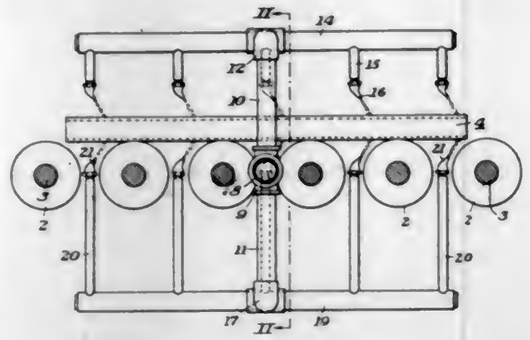
2,409,421
REINFORCED GAS BURNER
Homer D. Dufault, Easthampton, Mass., assignor to Heatbath Corporation, Indian Orchard, Mass., a corporation of Massachusetts
Application June 30, 1944, Serial No. 542,953
2 Claims. (Cl. 158—116)



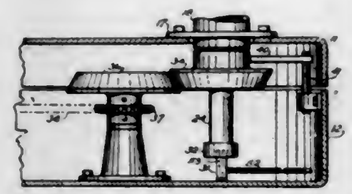
1. A burner of the class described comprising in combination, a support member and a tube member extending therefrom closed at its outer end and provided with ports along its upper side, a strut supported by said members parallel to said tube and below said tube, grooves in opposite side faces of said strut spaced apart in pairs, plates having notches in lower edges the sides of which are received in said grooves and provided with openings in upper edges through which said tube member extends, the sides of said notches of the plates and the bottoms of said grooves being similarly diverging whereby a wedging action thereof causes the upper side portions of the plates to be urged inwardly towards one another so that said tube is firmly gripped in the openings of the plates.

2,409,422
TREATMENT OF BIMETALLIC BILLETS
Francis A. Egan, Mount Lebanon, Pa., assignor to Superior Steel Corporation, Pittsburgh, Pa., a corporation of Virginia
Application May 26, 1942, Serial No. 444,609
3 Claims. (Cl. 80—60)

1. A method of treating a bimetallic billet having a relatively less plastic component and a relatively more plastic component assembled together comprising heating the billet to bring it at least to the hot rolling temperature of the relatively less plastic component, thereafter cooling the relatively more plastic component so that the components are at such temperatures that in hot rolling they will both elongate to approximately the same length and hot rolling the thus prepared billet to elongate the same.



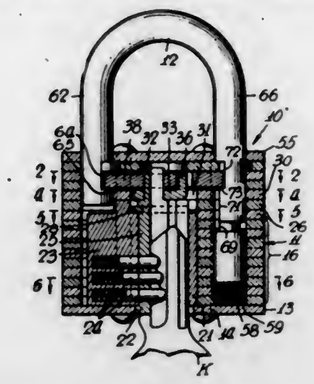
2,409,423
DRIVING MEANS FOR GLASS FORMING MACHINES
Charles Eisler, South Orange, N. J.
Original application January 20, 1944, Serial No. 519,061. Divided and this application March 7, 1945, Serial No. 581,385
3 Claims. (Cl. 192—4)



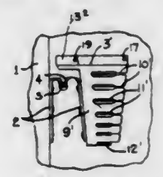
1. Driving means for glass working machines having a head for receiving glass objects said head being rotatably journalled in said machine and being provided with a vertical slotted recess, said driving means comprising a driven friction cone, a key member on said cone projecting into said recess to key said cone to said head for limited axial reciprocation thereon, said cone being circumferentially tapered, a driving cone complementarily tapered circumferentially, means to position said driving cone for engagement with said driven cone, means projecting from said driven cone, and a stop member in the machine to be engaged by said projecting means to stop rotation of the driven cone.

2,409,424
LAMINATED LOCK
Morris Falk, Leominster, Mass., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts
Application September 27, 1944, Serial No. 555,915
15 Claims. (Cl. 70—38)

1. A lock comprising a casing formed of a plurality of superimposed plates and including orifices through some of the plates providing wells for receiving a shackle, and locking means in said casing for said shackle, a keying plate to engage one branch of said shackle, rivet holes through said plates, said keying plate having a rivet pin receiving orifice formed to permit bodily movement of said plate to and from shackle engaging position when a rivet pin unites said laminations and keying plate together.

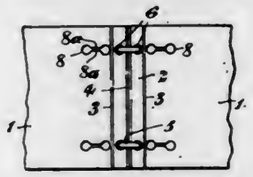


2,409,425
DRAPERY MOUNTING
Douglass R. Falkenberg, Lakewood, Ohio
Application December 4, 1944, Serial No. 566,591
19 Claims. (Cl. 160—84)



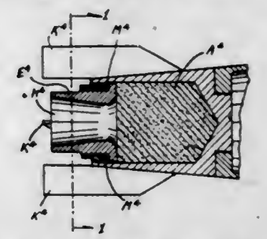
3. A drapery mounting comprising a substantially rectangular body member having an edge thereof intersected by a plurality of spaced slots, and enlarged pockets formed through the body into which the respective slots open, the body having an end extension from the opposite edge formed with a slot opening in the general direction of said plurality of slots.

2,409,426
BINDER FOR STATIONERY SHEETS
Hugo Feldmann, Birmingham, England
Application November 27, 1944, Serial No. 565,319
In Great Britain June 6, 1944
1 Claim. (Cl. 281—29)



A binder for stationery sheets, comprising two cover sheets of stiff material, a hinge strip foldable at each edge on the cover sheets and flexible at the centre and connecting the inner ends of the cover sheets and arranged to lie inwardly of the cover sheets when the binder is closed, perforations in the hinge strip equidistant from the longitudinal centre, to lie opposite one another when the binder is closed, a binder ring for holding the stationery sheets fixed to the binder by engaging through the two perforations in the hinge strip which permit the hinge strip to open out or fold on itself by the perforations sliding on the ring, and a slot in each cover sheet with the slot registering with the ring in the hinge strip when the binder is closed, such slots having an inward projection at the side for clipping inside the binder ring.

2,409,427
EQUILIBRATED ROCKET SHELL
Zygmunt Fonberg, New York, N. Y.
Application July 1, 1943, Serial No. 493,023
5 Claims. (Cl. 102—49)



2. A rocket shell comprising: a chamber having propulsive material therein adapted to produce gas at high pressure; a choke rotatably mounted on said chamber and through which said gas is emitted; first means to rotate said choke in one direction and second means to rotate said chamber in an opposite direction; whereby the gyroscopic effect of said rotative choke in rotating is counter-acted by the counter rotation of the chamber.

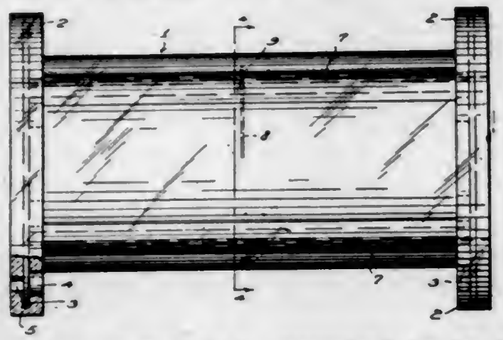
2,409,428
PROCESS OF TREATING IRON ORES CONTAINING CHROMIUM AND RELATED OXIDES
Daniel Gardner, New York, N. Y., assignor to Virginia Metal Industries, Inc., a corporation of West Virginia
Application November 14, 1941, Serial No. 419,222
7 Claims. (Cl. 23—56)

1. The process of treating metal oxide mixtures in finely divided form containing iron and chromium oxides for the separate recovery of such iron and chromium values free from the gangue; said process comprising the steps of mixing calcium hydroxide into the finely divided material and subjecting the mixture in a non-oxidizing atmosphere, to an oxidizing temperature above about 500° C. but insufficiently high for substantial loss from the calcium hydroxide of its water of constitution, and for a duration sufficient to ensure the substantial conversion of the iron oxides to Fe_3O_4 and the chromium oxides to a water soluble calcium chromate; followed by quenching of the mixture in an aqueous vehicle, and causing the converted chromium compound to be dissolved into solution and thus separated from the gangue and the insoluble iron compound.

2,409,429
PRODUCTION OF HYDROCYANIC ACID
Howard Donovan Green, Pasadena, Calif., and Philip Roe Hendrixson, Moundsville, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 30, 1944, Serial No. 561,152
7 Claims. (Cl. 23—151)

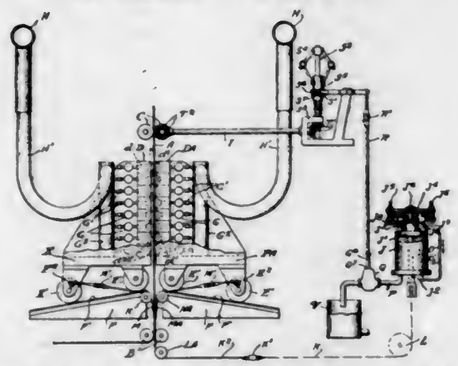
1. In the production of hydrocyanic acid by reacting, in a refractory container, a mixture containing nitric oxide and a gaseous hydrocarbon together with at least one of the gases taken from the group consisting of water vapor, oxygen and nitrogen in the presence of a catalyst containing a metal of the platinum group, said reaction being free from carbon formation, the steps comprising periodically interrupting the reaction, abrading the walls of the refractory which are contacted by said gaseous reaction mixture, and resuming the reaction.

2,409,430
FLOW INDICATOR FOR PIPE LINES
Carroll V. Greenleaf, Edmonds, Wash.
Application May 1, 1944, Serial No. 533,628
1 Claim. (Cl. 138—76)



A device of the class described to be interposed between sections of a pipe line comprising a pipe section of transparent insulating plastic provided with circumferential end flanges having bolt holes therein for bolting in the line, and means embedded in said section for obviating the accumulation of static electricity in the section and constructed and arranged for bonding with said line through said bolts comprising a pair of conductor rings embedded in said flanges and provided with tubular bosses aligned with said bolt holes and adapted for the extension of said bolts therethrough, and longitudinal conductor bars embedded in said section and connecting said rings.

2,409,431
HEATING WORK
Frederic O. Hess, Germantown, Pa., assignor to Selas Corporation of America, a corporation of Pennsylvania
Application August 31, 1942, Serial No. 456,787
23 Claims. (Cl. 263—3)



1. Apparatus for hot finishing tin plate stock in the form of a thin strip having a tin coating, comprising in combination a pair of refractory walls having opposing faces normally in close proximity to each other, means carried by said walls for maintaining said faces at temperatures substantially higher than the melting point of tin, means normally moving said strip rapidly through the space between said walls, and means responsive to the speed of said strip for increasing the distance between said faces when the speed of said strip diminishes.

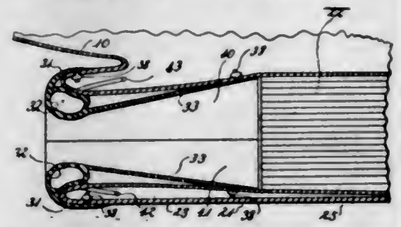
2,409,432
INTRAVENOUS NEEDLE HOLDER
Edward R. Hubbard, Taunton, Mass.
Application February 5, 1945, Serial No. 576,253
6 Claims. (Cl. 128—216)

1. An intravenous needle holder comprising a leaf base, a second leaf hingedly related to the base and provided with means to bind a needle



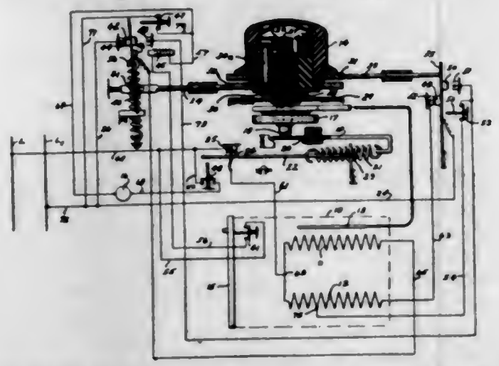
therein, and means to angularly adjust said leaves.

2,409,433
DUCT THROTTLE
Willson H. Hunter, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 10, 1943, Serial No. 501,785
8 Claims. (Cl. 138—45)



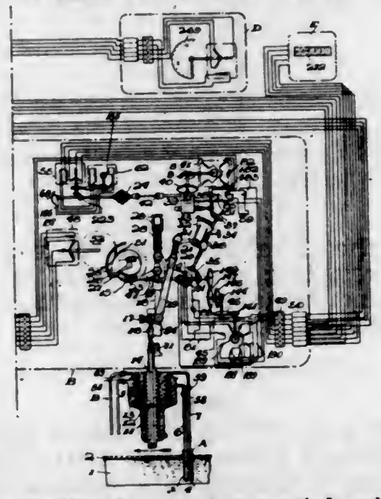
2. Apparatus for throttling the flow of air through the intake end of a duct, said apparatus comprising a covering for the wall of said duct at said end, said covering comprising a frontal portion positionable about said end and having a margin for attachment to the outer wall of said duct and an inflatable tube at the inner wall of the duct at said end advancing the surface of said covering immediately at said end across said duct toward an opposite inner wall of the latter for reducing the area of said duct immediately at said end to effect said throttling of flow of air while presenting a generally curved frontal surface at said end to promote smooth flow of air around the outside of and through the duct at said end.

2,409,434
DOMESTIC APPLIANCE
James W. Jacobs, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 20, 1940, Serial No. 366,444
8 Claims. (Cl. 219—20)



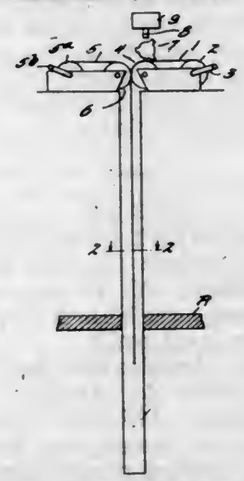
7. In combination, an oven, an oven door, electrical heating means in said oven, a source of electrical power, a snap switch having first and second positions, connections between said source of power and electrical heating means controlled differently by said snap switch in said two positions, an actuator moved by said door in a first direction while said door is being opened and moved by said door in a second direction while said door is being closed, manual means independent of said actuator, for moving said snap switch from said first to said second position while said door is closed, said actuator moving said snap switch from said second position to said first position when said door is moved.

2,409,435
INDICATING MECHANISM
Morris F. Ketay and Michael Sherman, Brooklyn, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application September 13, 1943, Serial No. 502,210
9 Claims. (Cl. 73—388)



1. In an indicating instrument having a substantially vertically disposed actuating element; a support; means guiding said element for endwise movement on said support; an indicating device actuated by endwise movement of said element; and means responsive to inclination for automatically exerting downwardly directed forces upon said actuating element whenever the latter inclines a predetermined degree from the vertical in any vertical plane, to thereby modify the resulting actuation of said indicating device by said element.

2,409,436
METHOD AND APPARATUS FOR DIRECT RECORDING OF BOREHOLE RADIOACTIVITY
Shelley Krasnow, New York, N. Y., and Leon F. Curtiss, Montgomery County, Md., assignors to Geophysical Development Corporation, Washington, D. C., a corporation of Delaware
Application December 10, 1941, Serial No. 422,450
15 Claims. (Cl. 250—83)

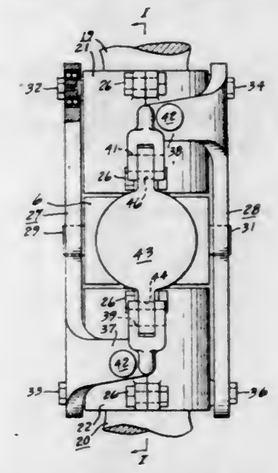


1. In an apparatus for measuring radioactivity in a deep narrow borehole, a long narrow element sensitive to radioactivity, means to indicate the radioactive intensity of rays impinging on the element, and a filter, the filter serving to absorb a portion of the rays impinging upon the element sensitive to radioactivity.

2,409,437
COMPOUNDING MATERIAL FOR RUBBER AND RUBBER SUBSTITUTES
Clifford G. La Crosse, Baltimore, Md.
No Drawing. Application February 21, 1945, Serial No. 579,148
6 Claims. (Cl. 196—152)

1. A rubber compounding material comprising a friable resin made by heating together, with the ingredients in a fused condition a mixture of a petroleum pitch polymer that has a softening point above 200° F. and that contains vanadium pentoxide, in excess of 0.20%, as a natural ingredient; and a bituminous hydrocarbon mixture that is compatible with rubber and that melts below 70° F.

2,409,438
AIRCRAFT PROPELLER
Porter Landrum, Birmingham, Ala.
Application April 28, 1942, Serial No. 440,763
6 Claims. (Cl. 170—160)

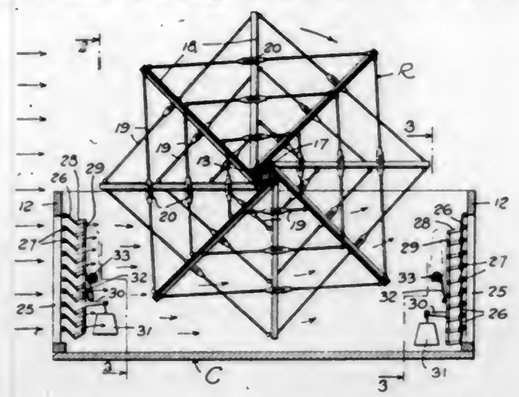


1. In a variable pitch propeller, a body, radially disposed journals formed on the body, blades having their hub ends recessed to receive said journals, collars secured around the hub ends of the blades, control arms pivotally mounted on the body and having their ends pivotally connected to said collars, a housing mounted for axial movement on the forward end of the body, cam means provided on the housing for actuating each control arm, and means for moving the housing axially for changing the pitch of the blades.

2,409,439
WIND POWER PLANT
Thomas E. Law, Central Heights Globe, Ariz.
Application September 19, 1944, Serial No. 554,811
1 Claim. (Cl. 170—14)

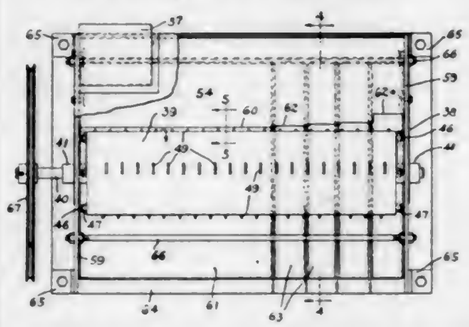
In a wind driven power plant, a chamber having an air inlet at one side and open at the top; a rotor having circumferentially spaced vanes and rotatably mounted about a horizontal axis, with the portion of the rotor below its axis disposed in said chamber, and the portion of the rotor above its axis projecting above the chamber; shutters spanning said air inlet and operatively connected for adjustment as a unit to open and close said inlet; a weight connected to

said shutters and urging the latter closed with a predetermined force in opposition to the force of the wind tending to open the shutters and act upon the portion of the rotor in the chamber; a winding shaft having a drum; a handle secured to the winding shaft; a flexible member



wound upon the drum and connected to the shutters to move the latter to open position in response to winding of the flexible member on the drum; and a latching device by which said member can be maintained wound on the drum to sustain the shutters in fully open position against the action of said weight.

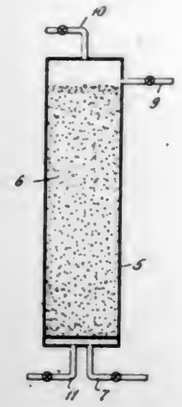
2,409,440
RIVET SORTING MACHINE
Waite McClain, Canton, Ohio
Application April 26, 1944, Serial No. 532,787
6 Claims. (Cl. 209—101)



1. A machine for sorting rivets in accordance with their diameter, comprising a substantially horizontal cylinder having slots in its peripheral portion, a spirally arranged series of pivoted, spring loaded projections operating within the cylinder through said slots, an inclined plate having its lower edge spaced from and parallel with the cylinder, a portion of the lower edge of the plate being so spaced from the cylinder that only the smallest rivets may pass between the plate and the cylinder, the remainder of said lower edge of the plate being progressively cut away to allow progressively larger diameter rivets to pass between the same and the cylinder, and means for feeding rivets to said inclined plate.

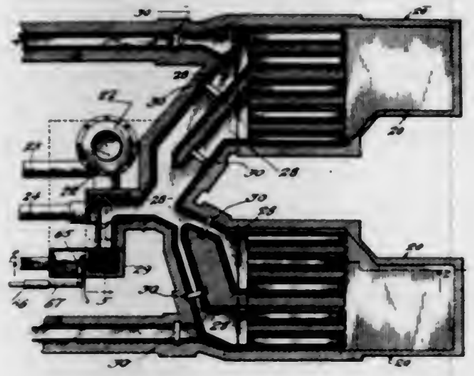
2,409,441
PRODUCTION OF GLYCOLS
Floyd J. Metzger, New York, N. Y., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware
Application May 7, 1943, Serial No. 486,057
3 Claims. (Cl. 260—635)

2. The method of liberating the acid from the non-titratable glycol-acid complex formed during the hydration of an aqueous solution of the corresponding olefin oxide in the presence of an acid hydration catalyst that forms such a com-



plex with the glycol and removing the free acid from the resulting glycol solution, which comprises passing the aqueous glycol solution through a bed of anion adsorbing resin.

2,409,442
METHOD AND APPARATUS FOR CLEANING FURNACE CHECKERS AND FLUES
William J. Montgomery, Warren, Ohio
Application August 20, 1945, Serial No. 611,602
17 Claims. (Cl. 263—19)



1. The herein described method of cleaning furnace checkers and flues which includes directing a fluid blast against the checkers to dislodge flue dust and debris therefrom, collecting the flue dust and debris so dislodged on the floor of the furnace stock, isolating the portion of the floor of the stack upon which the flue dust and debris is collected, and removing the flue dust and debris from the isolated area.

2,409,443
INSTRUMENT LUBRICANT
John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application July 21, 1944, Serial No. 546,057
5 Claims. (Cl. 252—49.8)

1. A lubricant for instrument bearings or the like comprising tricresyl phosphate and ethylene glycol monobenzyl ether in about equal percentages by weight.

2,409,444
CLOCK LUBRICANT
John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application August 14, 1944, Serial No. 549,494
2 Claims. (Cl. 252—49.8)

1. A lubricant consisting essentially of a mixture of from 40 to 60 percent of tricresyl phosphate, from 25 to 15 percent of di butyl phthalate, and from 35 to 25 percent of triethylene glycol di-2-ethylbutyrate, all of said percentages being by weight.

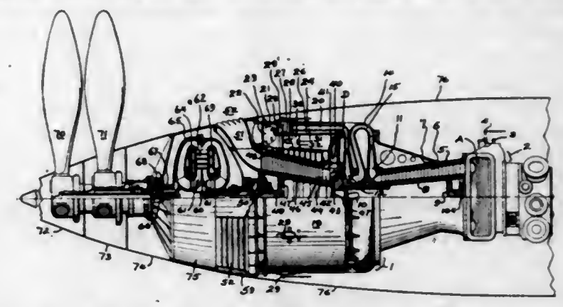
2,409,445
SEWING MACHINE NEEDLE
Max M. Newman, New York, N. Y.
Application May 2, 1944, Serial No. 533,694
3 Claims. (Cl. 112—222)



1. A needle which has a flattened eye-portion and a shank which has a free end, said shank being of cylindrical cross-section, said shank having a flattened portion in its sewing portion intermediate the free end of said shank and the rear end of said eye-portion, the length of said flattened shank portion being at least twice the length of said eye-portion, the distance between the rear end of said eye-portion and the front end of said flattened portion being greater than the length of said flattened portion and the width of said flattened portion being greater than the diameter of said shank.

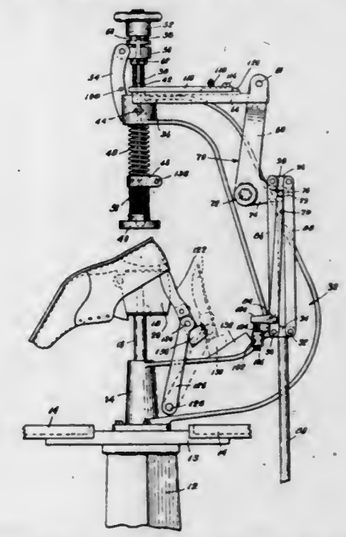
2,409,446
AIRPLANE POWER PLANT
Vladimir H. Pavlecka, Pacific Palisades, and John K. Northrop, Los Angeles, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application November 10, 1941, Serial No. 418,476
9 Claims. (Cl. 170—135.5)

1. In combination, an aircraft power plant comprising a central rotor surrounded by a stator, cooperating air compressor members mounted adjacent one end of said rotor and said stator to provide a flow of compressed air in said stator, a fuel burner mounted in said stator in the path of said air, cooperating turbine elements on said rotor and stator driven by the gases of combustion from said burner, an impeller on the other end of said rotor, a source of liquid for said impeller, a pair of concentric propeller shafts mounted coaxially with said rotor and each having rotating blades connected thereto mounted to move in opposite directions under impact of the liquid



from said impeller, and automatic pitch controlling contra-rotation propellers mounted on said propeller shafts.

2,409,447
RELASTING MACHINE
Angelo Perri, Groveland, Mass., assignor to Allied Shoe Machinery Corp., Haverhill, Mass., a corporation of Massachusetts
Application January 13, 1945, Serial No. 572,620
11 Claims. (Cl. 12—15)

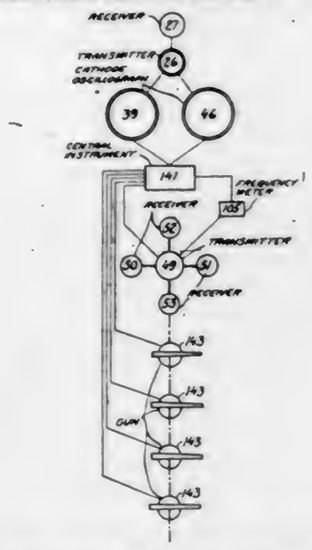


1. A re-lasting machine comprising a support for a last, a plunger mounted for movement between an inactive position and a position in which it engages a shoe partially engaged over a last on said support, spring means biasing the plunger to its said shoe-engaging position, latch means for releasably holding the plunger in its said inactive position, means for releasing said latch means thereby to cause a single forcible snap movement of the plunger to its said shoe-engaging position for completing the engagement of the shoe over the last, and means for moving the last support in opposition to the said spring means biasing the plunger thereby to restore the plunger to its said inactive position.

2,409,448
SELF-TRACKING RADIO DIRECTION AND DISTANCE DEVICE
Helge Fabian Rost, Djursholm, Karl Harry Thunell, Nockeby, Sten Daniel Vigren, Stockholm, and Per Harry Elias Claesson, Jakobsberg, Sweden
Application February 4, 1941, Serial No. 377,344
In Sweden January 10, 1940
16 Claims. (Cl. 250—1.54)

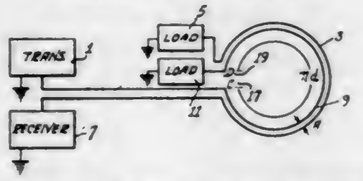
1. A system for locating and following an object in space comprising, in combination, a single

transmitter adapted to emit a highly directive beam of radio waves, receiving means comprising directional scanning means adapted to scan in slightly diverging directions to receive the waves reflected by said object when hit by said directive beam of radio waves, means for orientating said receiving means in at least one plane, said orientating means comprising driving means, a distributing device coupled to the receiving means and to the said driving means, a single amplifier and a rectifier interconnected between the receiving means and said distributing device to amplify



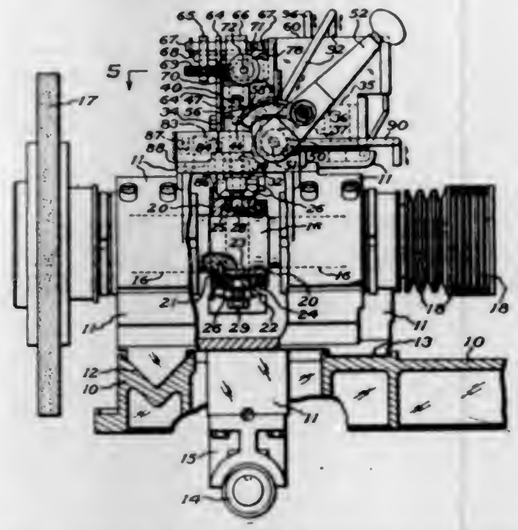
and rectify the received radio energy, said distributing device being adapted to counter-direct two successively received amounts of radio energy from two slightly different directions in a certain plane of a field of scanning, said two amounts of energy corresponding to two oppositely located equal parts of the said field, said distributing device directing the resulting difference of the received radio energies to said driving means to operate same in one or the other direction in said plane, depending upon which of the said two amounts of energy is the major one, in order to automatically follow the object.

2,409,449
PHASE MODULATOR
Royden C. Sanders, Jr., and William R. Mercer, Hightstown, and Daniel Blitz, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 30, 1943, Serial No. 516,254
7 Claims. (Cl. 178—44)



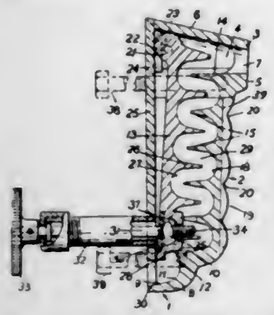
1. A phase modulator system including two spaced parallel transmission lines, means for applying radio frequency energy to one end of one of said lines, means for absorbing radio frequency energy from the corresponding end of the other of said lines, movable shield means disposed between said lines, said shield means provided with at least one gap whereby coupling between said lines is prevented except at said gap, and motion of said shield means moves said coupling longitudinally with respect to said lines to vary the effective length of the transmission path between said means for applying energy and said means for absorbing energy.

2,409,450
GRINDING WHEEL SPINDLE RECIPROCATING MECHANISM
Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 29, 1945, Serial No. 625,374
11 Claims. (Cl. 51—34)



1. In a grinding machine having a transversely movable wheel slide, spindle bearings in said slide, a rotatable axially reciprocable wheel spindle supported in said bearings, means including a fluid motor to reciprocate said spindle, a control valve therefor, means including a normally operative locking device to connect said motor with said spindle to reciprocate the spindle for a plunge-cut grinding operation, a manually operable control lever to actuate said valve, and means actuated by said lever when the lever is shifted to close said valve to disconnect said motor from said wheel spindle.

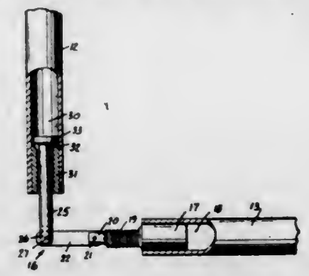
2,409,451
AIR PREHEATER FOR FURNACES AND THE LIKE
Marek Steuerman, London, England
Application January 8, 1944, Serial No. 517,601
In Great Britain March 26, 1942
4 Claims. (Cl. 110—175)



1. An air preheater for furnaces and the like comprising a hollow body, its top wall being substantially imperforate, its rear wall being provided adjacent its bottom edge with air inflow means, the rear wall being otherwise substantially imperforate, the front wall of said hollow body being provided with air outflow means adjacent its upper edge, the front wall being otherwise substantially imperforate, the inner face of the front wall being provided with baffle-like formations extending generally in like directions and transversely to the direction from said air inflow

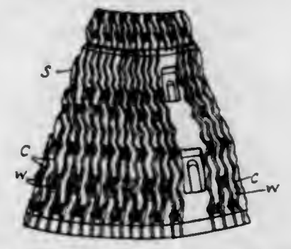
means to said air outflow means; a plate disposed within said hollow body intermediate the inner face of said rear wall and said baffle-like formations of said front wall, said inwardly disposed plate having baffle-like formations facing said baffle-like formations of said front wall and generally in like directions and extending transversely to the direction from said air inflow means to said air outflow means, the free edges of said baffle-like formations of said inwardly disposed plate being disposed alternately with respect to the free edges of said baffle-like formations of said front wall; means for pivotally mounting said inwardly disposed plate at its upper portion; and means extending through said rear wall for adjusting the pivotal position of said inwardly disposed plate.

2,409,452
COLLAPSIBLE DEVICE
Edmund J. Stone, New York, N. Y.
Application March 6, 1945, Serial No. 581,284
3 Claims. (Cl. 287—3)



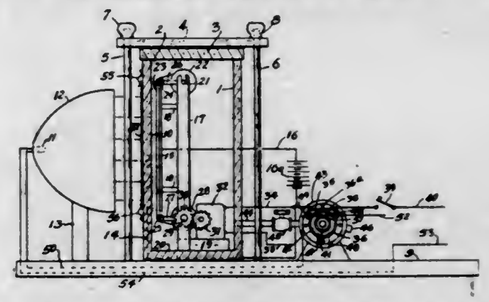
1. In an article of manufacture two members, each of said members having a hollow end portion, and means connecting said members together at said end portions, said means comprising an internally threaded tubular element fitting into one of said end portions, said element being less in length than the depth of said hollow whereby a space is provided beyond said element, a shaft movable in said space and having its forward portion extendible from said element, stop means preventing said shaft from leaving said space, a stud fixed to the other of said members, said stud having a threaded extension adapted to threadedly engage said element, and a link pivotally connected to adjacent ends of said shaft and said extension, said shaft and said link being adapted to pass through said element into said space permitting threaded engagement of said element and said extension.

2,409,453
JORDAN ENGINE LINING
Harold D. Stuck, Andover, and William W. Bolton, North Andover, Mass., assignors to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts
Application July 5, 1941, Serial No. 401,066
4 Claims. (Cl. 92—27)



1. The combination with a frustro-conical Jordan engine backing; of a plurality of cutting members each member being bent to form sections, each cutting member being formed on its cutting edge with serrations, each serration having a straight edge disposed at an angle of less than thirty degrees with the general direction of the cutting member; and separating members between the cutting members and conforming to the shape thereof up to and including part of the serrations, the separating members being formed on their exposed faces in successive ripples, each ripple having a long face at a low angle with the edges of the cutting members and a short face at a high angle therewith.

2,409,454
ELECTRONIC DEVICE
Albert G. Thomas, Lynchburg, Va.
Application January 27, 1944, Serial No. 519,924
21 Claims. (Cl. 250—41.5)



3. An electronic device comprising, a container having a light transmitting wall, a closure for said container, a translucent coating of photoemissive material on at least a portion of the inner surface of said wall, an electrically conducting plate substantially parallel with said wall, electrical conductors connected with said coating and said plate, electrical means connected with said conductors for charging said plate positively with respect to said coating, a pair of rollers within said container, means to support said rollers, and electrical means operatively connected with at least one said roller to rotate said roller.

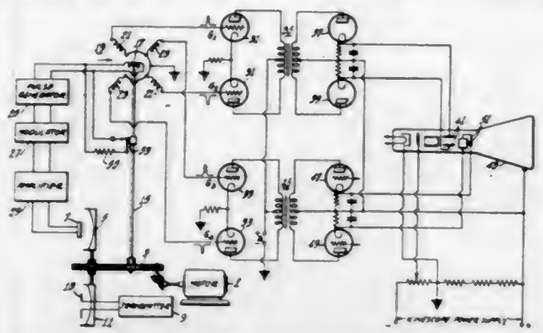
2,409,455
TETRAACETYL RIBONIC ACID AND PROCESS OF MAKING IT
Max Tishler, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application May 21, 1941, Serial No. 394,505
2 Claims. (Cl. 260—488)

1. As a new product, tetraacetyl ribonic acid.

2,409,456
RADIANT ENERGY LOCATING SYSTEM
William A. Tolson and Carl A. Meneley, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application January 29, 1944, Serial No. 520,336
14 Claims. (Cl. 250—11)

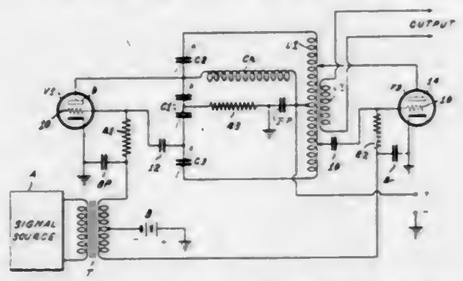
1. A radiant energy locating system including in combination means for receiving radiant energy, rotatable means for limiting the reception of said radiant energy to a predetermined angular range, a cathode ray tube for indicating the angular position at which said energy is received, said tube including elements for deflecting said ray throughout said range, a goniometer having a rotatable coil movable in synchronism with said rotatable means and having fixed coils disposed in operative relation to said rotatable coil, a generator connected to said rotatable coil for

inducing energy in quadrature phase in said fixed coils, and connecting means between said fixed coils and said deflecting elements for applying



potentials to said deflecting elements for rotating said ray in synchronism with said rotatable means and for deflecting said ray in a radial direction.

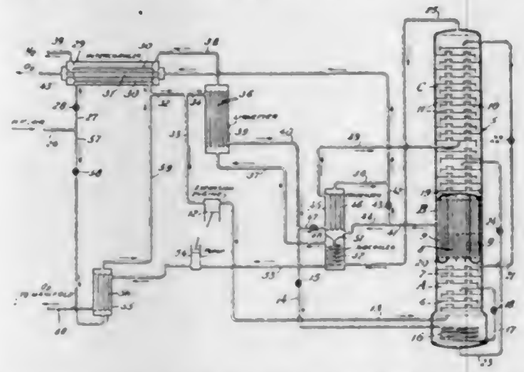
2,409,457
WAVELENGTH MODULATION
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 21, 1944, Serial No. 523,232
9 Claims. (Cl. 179—171.5)



1. In a wave generating and wave length modulating system, a capacitive element and an inductive element, a discharge device having an anode, a control grid and a cathode, connections including at least a part of one of said elements regeneratively coupling the anode, control grid, and cathode of said device in a circuit for the production of oscillations, the arrangement being such that a part at least of said one element is shunted by the impedance between the anode and cathode of said one device, a second electron discharge device having an anode, a cathode and a control grid, connections including at least a part of the other of said elements regeneratively coupling the anode, control grid and cathode of the second device in a circuit for the production of oscillations of substantially the same frequency, the arrangement being such that the impedance between the anode and cathode of said second device is in shunt to a part at least of said other element, and a source of modulating potentials coupled differentially between corresponding electrodes of said devices.

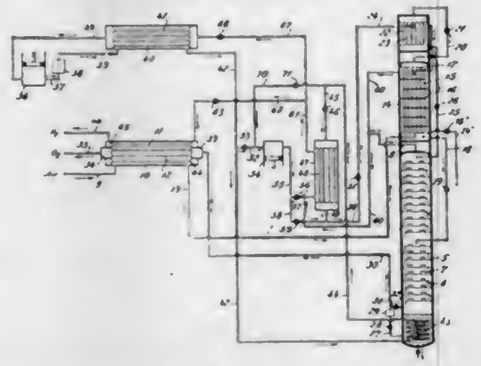
2,409,458
SEPARATION OF THE CONSTITUENTS OF GASEOUS MIXTURES
Claude C. Van Nuys, Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 27, 1943, Serial No. 484,720
9 Claims. (Cl. 62—175.5)

9. The method of separating air into its constituents, oxygen and nitrogen, which comprises compressing and cooling air at high pressure, liquefying a portion of the compressed and cooled air without substantial prior reduction of the pressure thereof, reducing the pressure of the remainder of the compressed and cooled air, subjecting the air at reduced pressure to liquefaction and subsequent rectification to separate it into two fractions, one consisting essentially of oxygen and the other consisting essentially of nitrogen, withdrawing oxygen in the gaseous form from said one fraction and subjecting it to backward return condensation by heat exchange substantially solely with air liquefied from the initially compressed and cooled



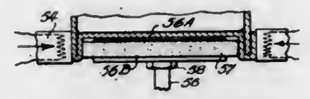
air, separately withdrawing the liquid oxygen and the uncondensed residue thereof from the zone of backward return condensation, delivering the air vaporized in cooling the gaseous oxygen to the zone of rectification for liquefaction of oxygen contained therein, sub-cooling the liquid oxygen from the zone of backward return condensation by heat exchange with said other fraction, and pumping the liquid oxygen from the zone of subcooling to a relatively high pressure and utilizing the cold of the liquid oxygen at high pressure to cool a portion of the incoming high pressure air.

2,409,459
SEPARATION OF THE CONSTITUENTS OF AIR
Claude C. Van Nuys, Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application June 16, 1944, Serial No. 540,620
10 Claims. (Cl. 62—175.5)



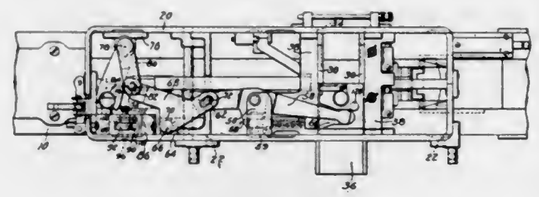
1. The method of separating the constituents of atmospheric air by liquefaction and rectification under conditions affording resistance to travel of the air which comprises compressing air to a relatively low pressure not materially in excess of that required to overcome resistance to travel, subjecting the air to liquefaction by indirect heat exchange with liquid nitrogen and subsequently to rectification to separate liquid oxygen and a gaseous effluent, compressing nitrogen, expanding a portion of the nitrogen to a lower pressure with external work, liquefying the other portion of the nitrogen by indirect heat exchange with the expanded portion and the gaseous effluent from the rectification, and thereby supplying the liquid nitrogen utilized in the liquefaction of the air.

2,409,460
MANUFACTURE OF CONTAINERS
Harry F. Waters, New York, N. Y.
Original application July 18, 1936, Serial No. 91,365. Divided and this application November 12, 1941, Serial No. 418,745
2 Claims. (Cl. 93—55.1)



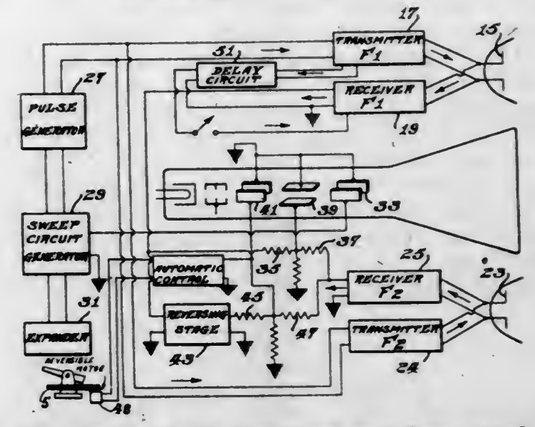
1. A process for securing a closure to a container provided on its interior surface with a thermoplastic liquidproof material which comprises coating the closure with a thermoplastic liquidproof material, bringing into juxtaposition only coated surfaces of the closure and container, applying heat and pressure to bond said surfaces together by pressing said surfaces and the plies of the container and closure between a heated pressure member and a resilient backing member whereby to distribute said pressure substantially uniformly to all parts of the area to be bonded.

2,409,461
FEEDING MECHANISM FOR AUTOMATIC FIREARMS
George Webb, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application December 23, 1943, Serial No. 515,392
3 Claims. (Cl. 89—33)



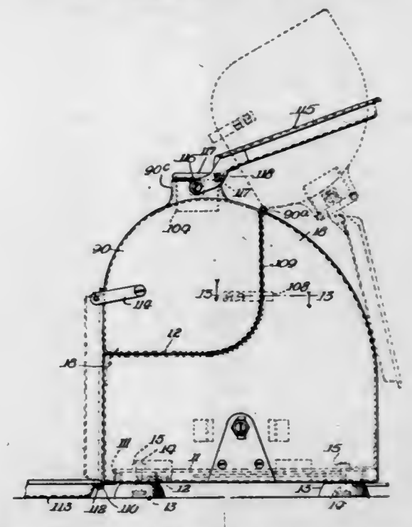
1. In combination, a firearm feed lever provided with a projection extending laterally from one side thereof and adapted to engage a component part of a firearm, a block adapted to be secured to a portion of a firearm for support and provided with an aperture intermediate opposed sides thereof to receive one end of said feed lever, said block also having a clearance opening intersecting said aperture and one side of said block and said opening being of less width than said end of said feed lever but sufficiently wide to pass said projection when longitudinally moving said feed lever through said aperture incident to removing said feed lever from said block, and a pivot pin removably carried by said block and extending through said end of said feed lever to pivotally secure the same to said block, said pin when in operative position having a portion engaging at least a portion of the walls of said opening to provide at least partial support for said pin.

2,409,462
RADIO GUNFIRE CONTROL
Vladimir K. Zworykin, Philadelphia, Pa., and Arthur W. Vance, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 31, 1941, Serial No. 395,998
10 Claims. (Cl. 89—41)



1. The method of directing gunfire which includes directing pulses of energy at a target and including a region about the target within which shells directed at the target fall, receiving the pulses reflected from said target, indicating by means of said pulses the range and angular position of the target with respect to the gun to be directed; firing into said region a shell from said gun; and observing the pulses, reflected from the effects of said shell at its final position within said region, to determine said final shell position with respect to the pulse indicated target position.

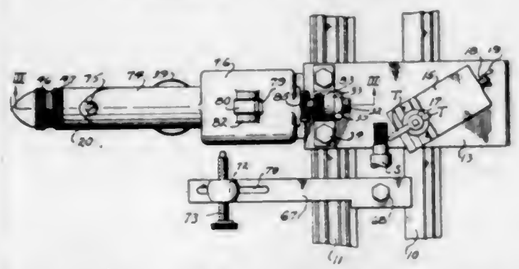
2,409,463
FOOD TENDERING MACHINE
Arthur H. Ahrndt, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application August 21, 1942, Serial No. 455,561
11 Claims. (Cl. 17—26)



1. A machine of the character described comprising a base, a housing adapted to be secured to said base, said housing having a material inlet and a material outlet in communication with each other, locking means for securing said housing to said base, a support mounted on said base, cutting means rotatably mounted in said support, driving means operatively connected with said cutting means, guide means detachably mounted on said support in communication with

said inlet and adapted to direct material introduced through said inlet to said cutting means and substantially prevent said material from by-passing said cutting means, said cutting means comprising a plurality of knife shafts, each of said shafts having fixedly mounted thereon a plurality of spaced, radially extending knives, said shafts being so positioned with respect to each other and the knives of one shaft so spaced and arranged with respect to those of another, that the path of rotation of the knives of each shaft will be substantially parallel to and overlap the path of rotation of the knives of another shaft, and each knife of one shaft, except in the case of knives in an end position, will rotate in a space intermediate two adjacent knives of another shaft, said driving means being adapted to drive one knife shaft in a direction opposite to that of another, and means for discharging from said machine material cut therein.

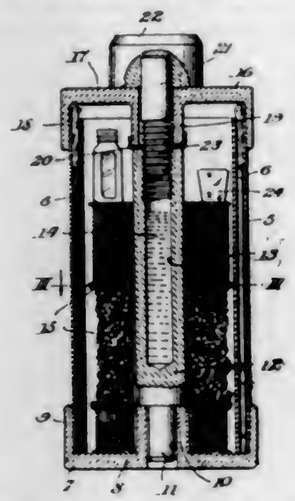
2,409,464
LATHE ATTACHMENT
Raymond H. Andresen, Chicago, Ill., assignor to Peerless Tool and Engineering Company, Chicago, Ill., a corporation of Illinois
Application January 29, 1945, Serial No. 575,091
9 Claims. (Cl. 82—5)



1. An attachment for application to the carriage and tool supporting cross slide of a lathe, comprising a frame and means for supporting it rigidly from the lathe carriage to be moved therewith when the lathe is operated, an actuating member movable in said frame and adapted for connection with the cross slide of the lathe, spring means tending to shift said actuating member for shift of the tool slide to retract the tool thereon from work in the lathe, means providing a latch interconnection between said frame and said actuating member for normally holding said actuating member with the cross slide in position for application of the tool to the work, a trigger on said actuating member for said latching connection, a stop adapted to be applied on the lathe bed for engagement by the trigger for release of the latching connection and movement of said actuating member and cross slide by said spring means for retraction of the tool from the work when the tool has reached a predetermined position in the cutting operation, and a lever on said frame forming a stop for limiting the shift of said actuating member and cross slide by said spring means and operable to shift said actuating member back into normal latched position.

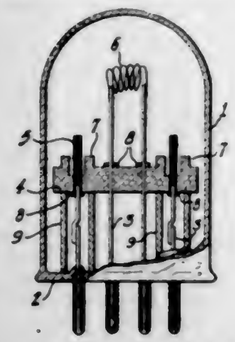
2,409,465
FIRST-AID CONTAINER
Frank Armbruster, Waverly, and Edison Stearns, Columbus, Ohio
Application April 5, 1944, Serial No. 529,597
2 Claims. (Cl. 206—63.2)

2. A kit for first aid appliances comprising a cylindrical casing closed at one end and open at its other, said casing having inner and outer concentric side walls separated by a corrugated spacer, the latter forming in conjunction with said inner and outer walls a plurality of circularly arranged vertical pockets substantially coextensive with the full height of said walls, a removable cover normally closing the open ends of said casing and said pockets, a liquid-holding member disposed in said casing and provided with an outlet arranged in registration with an



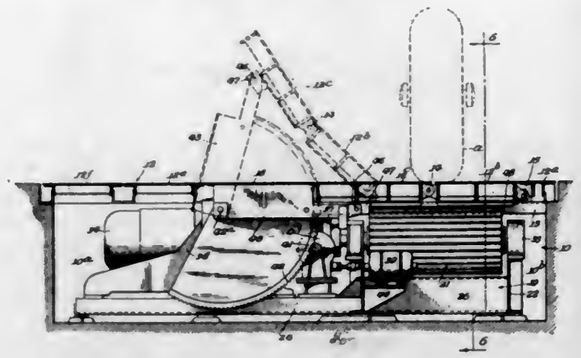
opening formed axially in said cover, and means normally closing the outlet of said member, said means including a knob adapted to be seated exteriorly on said cover, and a depending stud, the lower end of said stud being threaded in the outlet of said liquid-holding member to retain the cover against accidental displacement on the open end of said casing and prevent loss of liquid from said member.

2,409,466
ELECTRON DISCHARGE DEVICE
Walter E. Bahls, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 21, 1944, Serial No. 545,924
5 Claims. (Cl. 250—27.5)



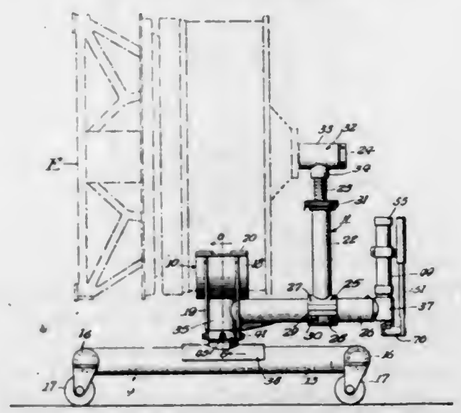
1. A rectifier comprising a tubular envelope, a flat glass disc header closing one end of said envelope, a disc-shaped insulating spacer in and disposed across the envelope parallel to said header, parallel lead-in conductors sealed perpendicularly through said header and extending through said insulating spacer, metal tabs welded to said conductors to prevent movement of said spacer along said conductors, a cathode mounted on the inner ends of two of said conductors, a rod-like anode mounted on the inner end of another of said conductors, an insulating element surrounding said anode, the anode and cathode electrodes being in operative relationship on one side of said spacer and separated from said header by said spacer.

2,409,467
APPARATUS FOR TESTING THE BRAKES ON AIRPLANE GROUND WHEELS
George E. Bock, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application January 23, 1943, Serial No. 473,334
5 Claims. (Cl. 73—126)



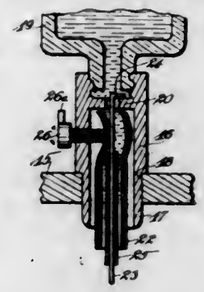
1. The combination with a pit having therein a pair of side by side rollers for use in testing the brake on a vehicle wheel, of a platform type element at the top of the pit mounted so that it is shiftable back and forth lengthwise of the rollers between an operative position wherein it overlies, and is supported directly on, the rollers and an inoperative position wherein it is free or clear of said rollers, and adapted and designed, when in its operative position, to have the vehicle wheel propelled thereon and to support said wheel, and further adapted, upon elevation of the wheel, to be shifted into its inoperative position so as to permit the wheel to be lowered into operative relation with the brake testing rollers, and means including an electric motor and gearing in the pit for shifting the element back and forth between its operative and inoperative positions.

2,409,468
ENGINE WORK STAND
George E. Bock, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application October 20, 1943, Serial No. 506,937
5 Claims. (Cl. 29—289)



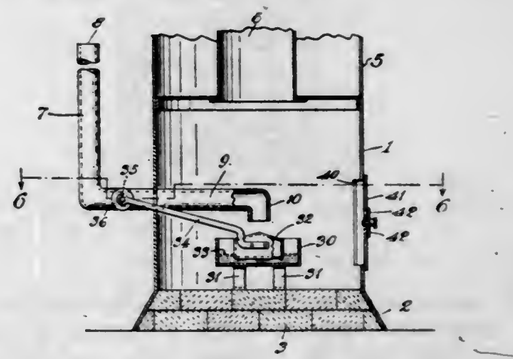
1. A workstand adapted to support an engine having a drive shaft with an exposed end, and comprising a base frame, a unitary assembly over the base frame embodying a member for supporting the engine and an element in opposed relation with the member and provided with a bearing for receiving and supporting the exposed end of the engine drive shaft when the engine is on the member, means between the base frame and assembly for supporting said assembly so that it together with the engine may be conjointly raised and lowered to a limited extent relatively to the base frame and also rotated about a vertical axis, and means for locking said assembly against rotation relatively to the base frame when it is lowered to substantially its fullest extent.

2,409,469
INCENSE DISPENSER
Mauricio Bravo, Chicago, Ill.
Application July 14, 1944, Serial No. 544,973
3 Claims. (Cl. 222—422)



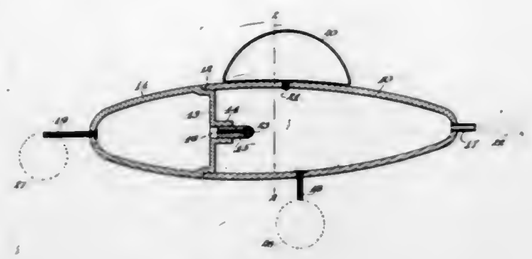
1. A dispenser for slowly flowing liquids comprising a member having a receptacle in its top for the mouth of a container of the liquid, a downwardly-opening chamber in its lower part, a perforated partition between the receptacle and the chamber, a vertical wire suspended from the perforated portion of the partition for leading the liquid downwardly from said mouth, and means for limiting the flow of the liquid along said wire, said means comprising a flexible tube surrounding the wire, and a set screw applied to the tube by way of the chamber wall to constrict the tube in respect to the wire.

2,409,470
BURNER AND FUEL FLOW CONTROL MEANS
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application July 13, 1944, Serial No. 544,736
9 Claims. (Cl. 158—42.3)



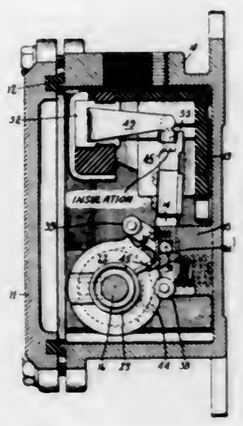
1. In combination, in a liquid fuel burner, a mixing and combustion chamber element therefor, having air inlet means, means for delivering a liquid fuel to the interior of said chamber element, a liquid fuel receiving cup, located in said interior of said chamber element and in the line of delivery of liquid fuel to the interior of said chamber element, and means for varying the flow of liquid fuel to the interior of said chamber element in response to changes in the volume of the liquid fuel in said cup.

2,409,471
AIRPLANE TOY
Mary A. Brosseit, Chicago, Ill.
Application June 18, 1945, Serial No. 600,056
4 Claims. (Cl. 46—9)



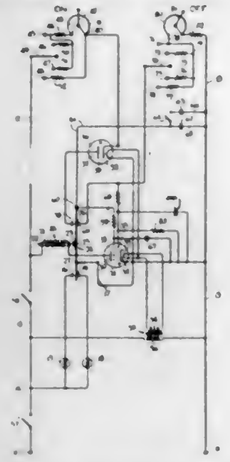
1. A simulated toy airplane comprising an elongated hollow body separable at an intermediate point, a cross-partition carried by one body portion at the junction site and formed with a receptacle, a porous incense stick fitted into the latter and projecting into the other body portion to fill the same with smoke when burning, pressure means applied to said other body portion and effective to force smoke through said stick into the first-mentioned body portion, and a discharge element at the outer end of such first-mentioned body portion for the smoke received therein.

2,409,472
ELECTRIC SWITCH
William Lawrence Butler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 29, 1943, Serial No. 489,021
8 Claims. (Cl. 200—165)



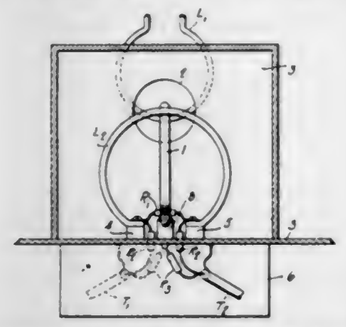
1. An electric switch comprising a base, a pair of cantilever spring strips mounted at one end upon said base in substantially parallel spaced relation and providing at their free ends cooperating switch contact portions and separate juxtaposed camming portions extending laterally from said spring strips in parallel spaced relation, said spring strips being biased to maintain said contact portions in engagement and said camming portions in proximate spaced relation, and switch actuating means comprising a wedge-shaped cam movable from a position of disengagement to a position between said camming portions only, thereby to separate said contact portions with a torsional rolling action.

2,409,473
ELECTRONIC TIMING DEVICE
Edwin M. Callender, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 4, 1944, Serial No. 516,928
11 Claims. (Cl. 171—97)



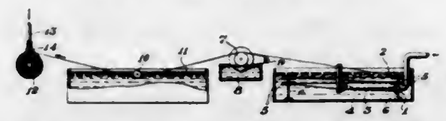
11. An electronic timing device comprising power mains, dual load circuits, relay means for connecting said load circuits alternately across said mains, and time change means for adjusting the timing of said alternate load circuit connections, said relay means comprising a relay, load circuit switch contacts operable by said relay, an electronic device including a control grid, a branch circuit conductor connecting said relay and electronic device across said mains, and means connected to said electronic device for recurrently blocking current flow therethrough.

2,409,474
HIGH-FREQUENCY ATTENUATOR AND DIVIDER CIRCUITS
Richard G. Clapp, Haverford, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 13, 1943, Serial No. 486,877
10 Claims. (Cl. 178—44)



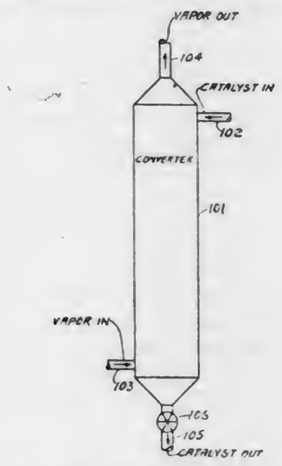
1. The combination with a high frequency signal source and a pair of load circuits to be supplied therefrom, said load circuits having a common terminal, of a signal divider and attenuator including a first inductor connected to said source, a second inductor having only a portion thereof disposed so as to be magnetically coupled to said first inductor, shielding means for substantially eliminating electrostatic coupling between said inductors, means including an impedance network connecting the respective ends of said second inductor to the respective load circuits, an adjustable contact engaging said second inductor, and means connecting said contact to said common terminal of said load circuits.

2,409,475
SHAPED PROTEIN STRUCTURES AND THEIR PREPARATION
Edward T. Cline, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 11, 1944, Serial No. 517,855
4 Claims. (Cl. 18—54)



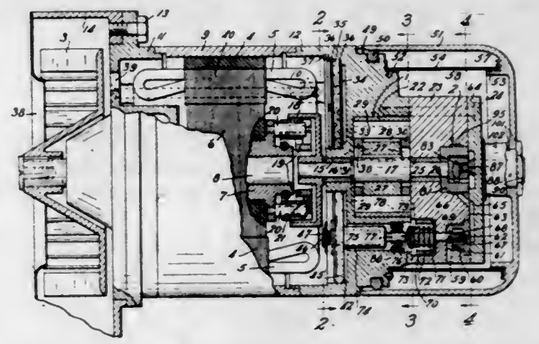
1. In a process for obtaining synthetic protein fibers and the like, the steps of extruding an aqueous alkaline solution of a water-insoluble globular protein selected from the group consisting of phosphoproteins, prolamines and vegetable globulins, said solution containing from 10% to 30% by weight of protein and having a pH of at least 9, into an aqueous coagulating bath containing at least 0.5% by weight of formaldehyde, from 0.5% to 10% by weight of acid selected from the group consisting of strong mineral acids and admixtures of said acids, and at least 10% by weight of salt material selected from the group consisting of water-soluble inorganic salts and admixtures of said salts, stretching the resultant formed filaments from 25% to 300% in the coagulating bath, further stretching said filaments at least 50% of their maximum draw ratio in a hot concentrated aqueous solution of salt material selected from the group consisting of water-soluble neutral and acid-reacting salts of mineral acids and admixtures of said salts, and then immersing the resultant stretched filaments in an aqueous formaldehyde hardening solution.

2,409,476
CONTACTING SOLIDS WITH VAPORS
George D. Creelman, Mountain Lakes, N. J., and John F. Crowther, Mount Vernon, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application July 19, 1940, Serial No. 346,270
6 Claims. (Cl. 196—52)



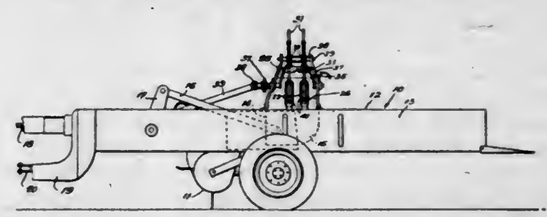
1. A method of conducting catalytic vapor-phase conversions wherein two separate and different solid catalysts are employed which comprises continuously passing vapors to be converted upwardly through a conversion zone, continuously introducing two separate and different subdivided solid catalysts each of said catalysts being adapted to catalyze a distinctly different reaction into said zone to catalyze the conversion of said vapors, withdrawing conversion products from said zone, each of said catalysts being characterized by its own substantially uniform particle size and particle settling rate, continuously withdrawing at least partially inactivated catalysts from said zone after movement thereof through said zone by the resultant of the gravitational force and the frictional resistance of said vapors, the absolute movements of said catalysts in said zone being different because of a difference in the settling rates of the particles into which the two catalysts are subdivided.

2,409,477
FLUID SUPPLY APPARATUS FOR BURNERS
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Original application September 16, 1944, Serial No. 554,367. Divided and this application August 30, 1945, Serial No. 613,683
3 Claims. (Cl. 103—6)



1. Apparatus for supplying air and oil to a burner, comprising, a positively-acting displacement pump for supplying air, inlet and discharge conduits for said pump including in the discharge conduit, a chamber, a wall in said chamber movable by pressure of the pumped air, a pump for supplying oil, a cut-off valve preventing flow of oil to the oil pump, a by-pass from the pressure to the suction side of the air pump, a valve controlling said by-pass, and means actuated by said movable wall for opening said cut-off valve when a predetermined air pressure has been built up in said chamber and for subsequently opening the by-pass valve when the pressure in said chamber exceeds said predetermined pressure.

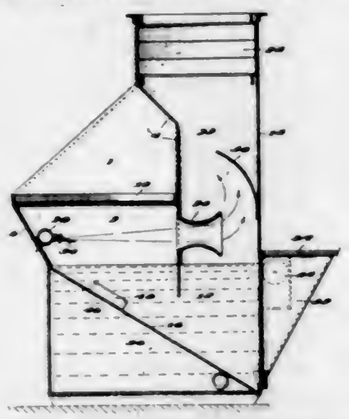
2,409,478
FEEDER FOR BALERS
Frederick P. Dickow, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 17, 1943, Serial No. 510,579
5 Claims. (Cl. 100—25)



1. In combination, a baling chamber having a feed opening in a vertical side, a baling plunger mounted for reciprocation in the baling chamber, a packer element adapted to move material through the said feed opening into the baling chamber, and means mounting the packer ele-

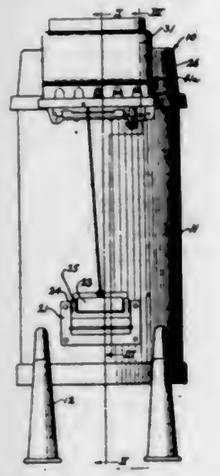
ment for movement into and out of the baling chamber, said mounting means comprising a rotatable member rotatable about a certain axis, means pivotally connecting the packing member to a point of the rotatable member spaced from its axis of rotation, a guide pivotally mounted at a point spaced from the axis of rotation of the member a greater distance than the spacing between the axis of rotation and the pivot of the packer element on the rotatable member, and an elongated part associated with the packer element and slidably mounted in the guide for causing the packer element to have a relatively large angle of movement about its pivot on the rotatable member for a given angle of movement of the rotatable member when the pivot of the packer element is between the pivot of the guide and the axis of the rotation of the rotatble member and to have a relatively large angle of movement about its pivot on the rotatable member for the same given angle of movement of the rotatable member when the axis of rotation of the rotatable member is between the pivot of the guide and the pivot of the packer element on the rotatable member.

2,409,479
GRINDING AND POLISHING BOOTH
Ernest F. Fisher, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application April 29, 1943, Serial No. 485,041
2 Claims. (Cl. 51—273)



1. A grinding and polishing booth comprising an upright casing having a sump in the bottom thereof for a body of water, an upstanding open top air inlet chamber in its front portion and above and communicating with the sump, and an upstanding open top air outlet chamber in its back portion and above and communicating with said sump, and embodying a work supporting grill across the open top of the air inlet, a vertically extending cross wall extending between and serving to separate the inlet and outlet chambers and having the lower end thereof dipping into the sump to form a water seal between the lower portions of the two aforementioned chambers, and a diagonally extending wall disposed in the sump, serving to define a sludge compartment above it and a clear water compartment beneath it, and having means at the upper portion thereof for permitting clear water from the sludge compartment to flow into the clear water compartment; a horizontally elongated Venturi tube extending transversely through the cross wall at a point above the sump and serving to connect the two chambers; and means operative to spray liquid horizontally through the Venturi tube into the outlet chamber and thereby cause air to flow downward past the grill and into the inlet chamber and thence upward through the outlet chamber, and including a horizontally extending nozzle-equipped pipe disposed in the inlet chamber adjacent the Venturi tube and a pump arranged to pump water from the clear water compartment to the pipe.

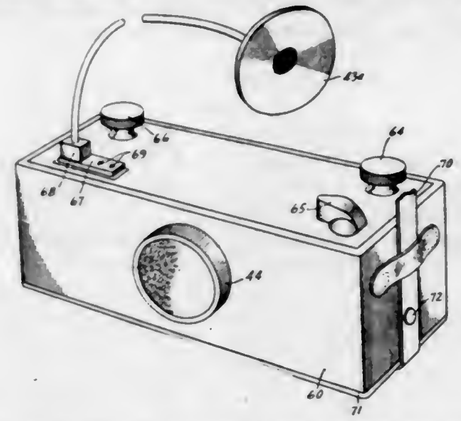
2,409,480
AUTOMATIC CHECK AND DRAFT CONTROL FOR STOVES
Harry H. Fleer, Quincy, Ill., assignor to Gem City Pattern Co., Quincy, Ill., a corporation of Illinois
Application March 3, 1943, Serial No. 477,797
5 Claims. (Cl. 236—16)



1. A heater comprising a casing, a grate construction separating the casing into an upper combustion chamber and a lower ashpit chamber, a pouch on said casing communicating with the ashpit chamber, said pouch having a top wall with an air inlet, a first door hinged on said pouch for opening and closing the air inlet, a top member mounted on top of the casing defining a burning zone above the combustion chamber, said top member having a fuel inlet, a smoke outlet, and a door frame opening, a door frame secured to the top member having a check draft inlet, a second door, means hinging said second door on said door frame for opening and closing said inlet, means biasing said second door toward closed position, a bi-metal strip anchored at one end thereof on said door frame, a lever pivoted on said door frame having a finger in the path of the free end of said strip, an arm pivoted on said second door extending across the path of said lever, means for holding the arm at a selected distance from the lever pivot, said strip being warped by heat to move the free end thereof against the finger for swinging the lever to act on the arm for opening the second door, and flexible means connecting the second door with the first door to control positions of the first door.

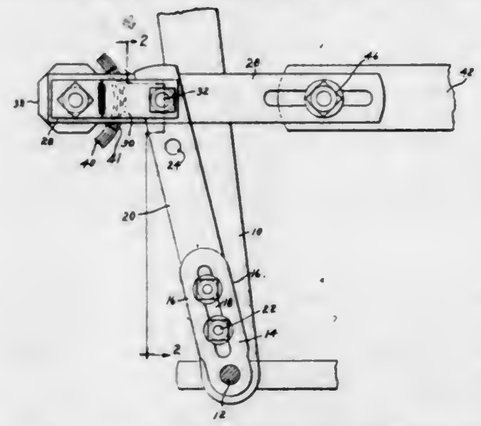
2,409,481
COMBINED HEARING AID AND RADIO RECEIVING SET
Thomas B. Fordham and Thomas W. Moore, Dayton, Ohio
Application June 26, 1941, Serial No. 399,770
8 Claims. (Cl. 179—107)

5. In a self-contained portable apparatus of the type including a case, a radio set, a final audio frequency amplifier and a source of electrical energy all mounted within said case; an antenna built into a fixed wall of said case, a microphone mounted on a wall of said case and operable



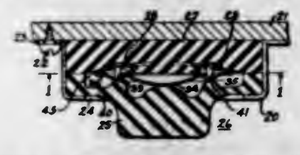
means for connecting said amplifier with said radio receiving set or said microphone.

2,409,482
LUG STRAP AND POWER STICK FOR LOOMS
Frank L. Furgal, Dover, N. H.
Application January 9, 1945, Serial No. 572,025
4 Claims. (Cl. 139—152)



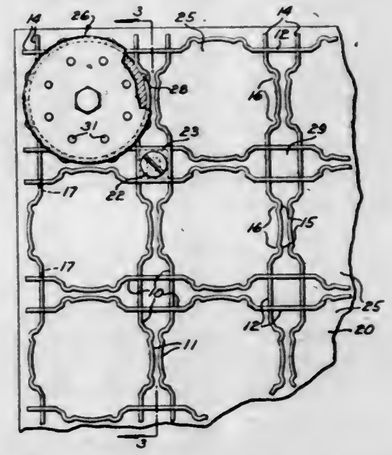
1. In a loom, a power stick comprising an elongated element, a pair of spaced plates for connection to a sweep stick, a pivot connection between one plate and the element, so that the plates are completely reversible relative to the element, and an offset holder secured to said one strap and embracing the power stick element, and a bumper spacing the plates, a fastener thru the bumper, said fastener securing the holder to said one plate.

2,409,483
ELECTRIC SWITCH
Howard K. Gandelot, Grosse Pointe, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 24, 1944, Serial No. 519,425
8 Claims. (Cl. 200—159)



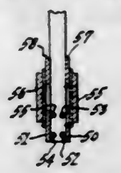
1. An electric switch comprising in combination; a dielectric base having bead portions projecting from one face thereof; spaced stationary contacts supported by the base; a dish-shaped snap-acting member having grooved portions for receiving the bead portions to prevent lateral movement of the snap-acting member relative to the base and having rim portions only normally engaging the fixed contacts to close a circuit; a resilient cup-shaped closure for the base, said closure having portions for engaging the disc to hold groove portions of the disc against the bead portions of the base and having another portion arranged in a position to engage portions of the disc remote from the groove portions to change the curvature thereof when external pressure is applied to the closure whereupon rim portions of the disc are snapped out of engagement from the stationary contacts to open the circuit.

2,409,484
SUPPORTING APPARATUS
Marcel C. Gauthier, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1944, Serial No. 554,477
3 Claims. (Cl. 211—72)



1. An apparatus adapted to support cylindrical articles having outwardly projecting lugs, the apparatus comprising a panel, like elements formed of strips of resilient material, all portions of which are disposed at right angles with respect to the panel, with spaced straight portions notched for interlocking assembly of pairs of the elements disposed at right angles to each other, intermediate arcuate portions forming substantially cylindrical pockets for the articles and grooves at a plurality of positions for the lugs of the articles, and means to secure the assembled elements to the panel in a unitary structure.

2,409,485
ELECTRON DISCHARGE DEVICE
Edward W. Herold, Kingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 24, 1945, Serial No. 574,263
7 Claims. (Cl. 315—17)



1. An electron discharge device having a cathode means for supplying a beam of electrons and an electrode in the path of said electrons, and means positioned between said cathode means and said electrode and including an electron lens system comprising oppositely disposed apertured plates adapted to have a biasing potential ap-

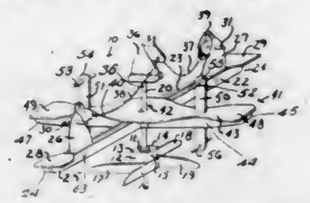
plied thereto and between which the beam path extends, and electrode elements mounted in registry with said apertures on the outside of and out of contact with said plates and adapted to have a lower biasing potential applied thereto than to said plates.

2,409,486
PROCESS FOR MAKING BALLOONS
John A. Hagen, Glen Rock, Edmund L. Gregor, Ramsey, and Laurence Prendergast, Passaic, N. J., assignors to Molded Latex Products, Inc., Passaic, N. J., a corporation of New Jersey
Original application October 25, 1944, Serial No. 560,240. Divided and this application July 18, 1945, Serial No. 605,779
7 Claims. (Cl. 244—31)



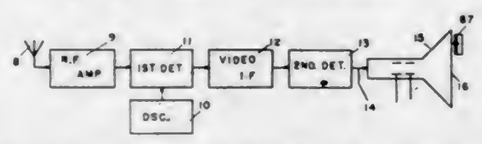
1. The process of making a balloon which comprises preparing an elastic bladder with metal discs anchored therein, preparing a casing of substantially inelastic material having openings at opposite ends thereof, inserting said bladder through one of said openings and anchoring said discs in said openings.

2,409,487
TEETER-GO-ROUND
Henry Maurice Hilger, Fort Wayne, Ind.
Application April 20, 1945, Serial No. 589,342
4 Claims. (Cl. 272—30)



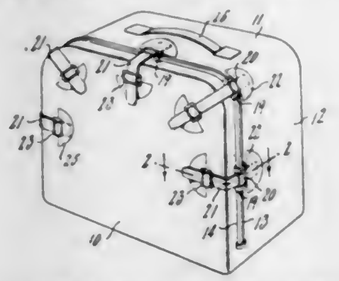
1. In a device as described, a teeter, a teeter-totter removably seated thereon, a rotatable shaft upon which the teeter is vertically and horizontally adjustably mounted, a slot in the teeter-totter through which the shaft is adapted to project, a removable head on the shaft, and means for automatic movement of the head.

2,409,488
FACSIMILE COMMUNICATION SYSTEM
John H. Homrighous, Oak Park, Ill.
Original application November 28, 1939, Serial No. 306,537, now Patent No. 2,309,393, dated January 26, 1943. Divided and this application December 24, 1942, Serial No. 470,039
14 Claims. (Cl. 178—5.6)



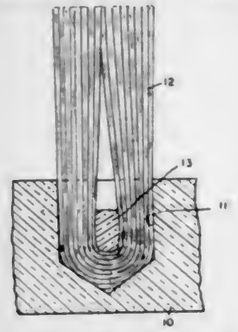
1. Apparatus for varying the intensity of light rays comprising a source of light, a stationary member having a screen of light polarizing material, and another member having a screen of light polarizing material arranged in a plane adjacent and parallel to the screen in the stationary member, means for directing light rays from the said source of light through said screens, and electromagnetic means for vibrating said last member to vary the intensity of the light rays directed through said screens.

2,409,489
WATERTIGHT CLOSURE
Victor H. Hurt, Cranston, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 27, 1944, Serial No. 519,893
3 Claims. (Cl. 150—3)



1. A receptacle having an entrance opening, a watertight closure for said opening comprising flexible strips having elastic properties and a tongue on one and groove in the other for interlocking engagement one with the other, a removable spanner clamp for holding the strips in their interlocked relation and movable laterally to the strips into and out of spanning relation therewith, and a strap slidably secured to said clamp and having one end permanently secured to the receptacle and other end removably secured thereto to hold the clamp in place.

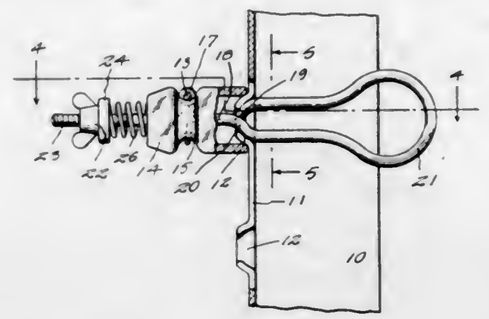
2,409,490
TUFT ANCHORING MEANS FOR BRUSHES
Conrad Jobst, Toledo, Ohio, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio, a corporation of Ohio
Application May 11, 1944, Serial No. 535,166
1 Claim. (Cl. 15—190)



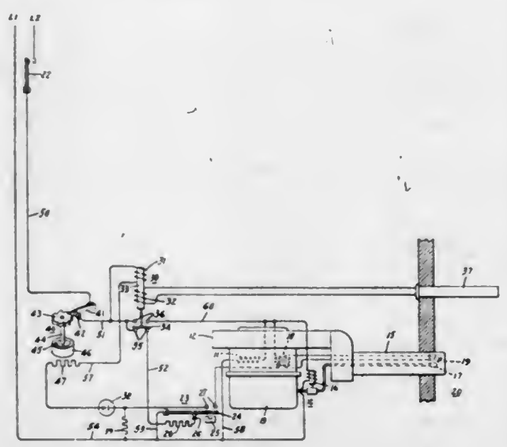
In combination with a brush back of a polymerized synthetic plastic material and having a bore therein and a bristle tuft within said bore, of an anchor formed of a copolymer of vinyl chloride and vinyl acetate, said anchor having the ends thereof laterally expanded to be embedded in the walls of said bore and bonded to the brush back.

2,409,491
ADJUSTABLE FASTENER FOR ELECTRIC FENCE INSULATORS
Harry C. Johnson, Mason City, Nebr.
Application January 15, 1944, Serial No. 518,453
3 Claims. (Cl. 174—161)

1. In combination with a support having a slot, a bolt, said bolt having an enlargement insertable through the slot and turnable to prevent retraction through the slot, an insulator on the bolt engageable with the opposite face of the support to said enlargement, spring means on the bolt for urging the enlargement snugly against the support when said enlargement is disposed transverse of said slot and holding the insulator firmly against the adjacent side of the support, said support having a struck-out portion providing a depression to receive the enlargement, said insulator having a recess on one end entered by the struck-out portion for centering purposes.

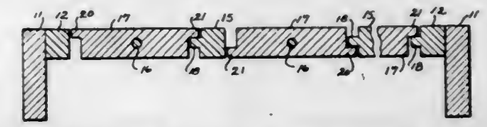


2,409,492
THERMAL TIME SEQUENCING CONTROL SYSTEM
Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 7, 1944, Serial No. 525,445
20 Claims. (Cl. 158—28)



1. In combination, a pair of heaters, energizing circuit means including a selective electroresponsive control device therefor having means biased for energizing one of said heaters while said device is energized below a predetermined value and operable to energize the other of said heaters while said device is energized above said value, a snap action thermal time switching element heated by said one heater and connected for deenergizing said one heater after a heating time delay and temporarily energizing said device above said value during the initial part of the ensuing cooling time delay, and means responsive to an operating condition of the other of said heaters for maintaining said device energized above said value independently of said time switching element during and after the subsequent part of said cooling time delay to maintain said other heater energized.

2,409,493
GAME BOARD
Edward L. Jones, Greenville, S. C.
Application June 19, 1944, Serial No. 541,061
1 Claim. (Cl. 273—135)

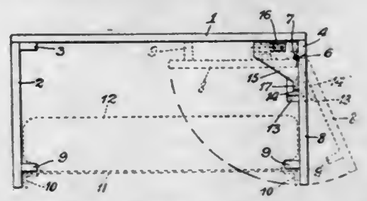


A game board having a plurality of openings formed by vertical and horizontal ribs extending longitudinally and transversely respectively of the board, a planar member mounted for oscillation in each opening by pivot points on opposed sides thereof extending into the vertical ribs, the planar member having outwardly projecting portions near one surface thereof on its two sides which are parallel to its axis of oscillation, each of the horizontal ribs having a projection on one side thereof substantially midway of its top and bottom edges whereby when the planar member is oscillated in one direction one of its projecting portions will lie on top of the projection extending from its associated rib, and when the planar member is oscillated in the reverse direction, its other projecting portion will fit below the projection on the rib.

2,409,494
CATALYST MANUFACTURE
George H. Keating, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 11, 1944, Serial No. 521,974
6 Claims. (Cl. 252—259.2)

1. A process for the production of a catalyst comprising at least a major proportion of an inorganic gel prepared by precipitation in aqueous solution which comprises mixing the inorganic catalyst gel while in moist and hydrated state with a starch material in an amount corresponding to between about 30 to 60 per cent of the dry weight of the catalyst gel to form a plastic mass, extruding the plastic mass in substantially tubular form, dividing the extruded catalyst into rings, drying resulting rings at an elevated temperature in the range of about 150 to 300° F. in an atmosphere maintained at about 20 to 50 per cent relative humidity and calcining resulting dried rings.

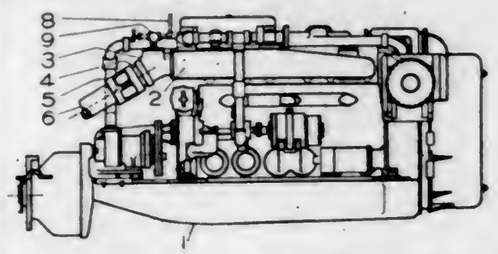
2,409,495
TABLE
Charles F. Kelley, Chicago, Ill.
Application May 10, 1943, Serial No. 486,311
1 Claim. (Cl. 311—26)



In combination in a table adapted for use with and to be supported upon a bed, members defining a table surface member, and a leg fixed thereto, a downwardly projecting support fixed on the opposite end of said surface member, and a movable leg movably supported from said surface member by said support, and bed rail en-

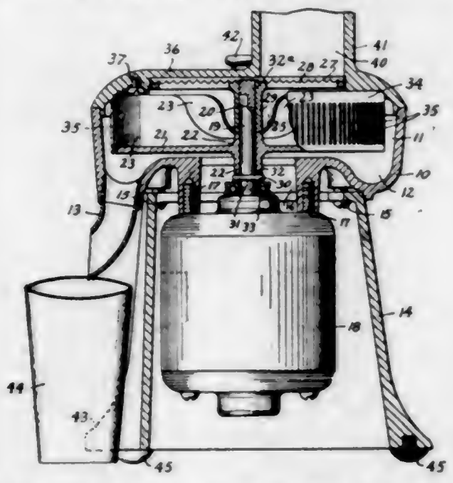
gaging members mounted one on each of said legs and adapted to engage a bed, the width of said bed rail engaging members being approximately the same as the length of the said support, whereby when the movable leg is folded against the table surface member it is substantially parallel therewith.

2,409,496
EXHAUST GAS DEFLECTOR FOR INTERNAL-COMBUSTION ENGINES
Theron R. Kelley, Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 8, 1943, Serial No. 471,774
5 Claims. (Cl. 181—43)



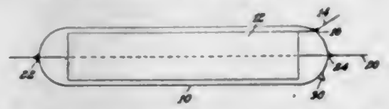
1. An exhaust gas deflector adapted to be axially inserted in the run of an exhaust pipe for accentuating the discharge of hot exhaust gases from an internal combustion engine, comprising a hollow coupling with an axial bore therethrough, a plurality of symmetrically spaced helical shaped fins formed integral with the inner wall within said bore, a conical fluid spreader with its apex slightly in advance of said fins and formed integral therewith, a water discharge orifice positioned axially within said exhaust pipe to discharge a stream of cooling water in the direction of flow of the escaping hot gases to impinge against the apex of said spreader and rapidly swirl towards said helical fins, whereby said hot exhaust gases and water are intimately intermingled, producing a sudden chilling effect upon said hot gases and creating a partial vacuum in said exhaust pipe that reduces back pressure and noise of the engine exhaust.

2,409,497
JUICE EXTRACTOR
Johannes B. Kessel, Chicago, Ill., assignor to Glendra B. Von Kessel, Chicago, Ill.
Application May 17, 1944, Serial No. 535,953
5 Claims. (Cl. 146—76)



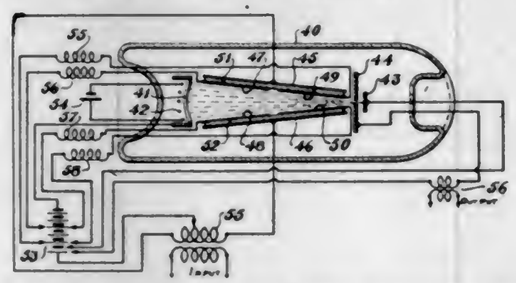
1. A juice extractor embodying a grinding element comprising a disc with adjacent teeth and openings through the disc, means for rotating said element, means for holding an article against said element to produce a pulp therefrom, suction creating means operating upon the pulp to remove it through the openings from said grinding element, a casing for said suction creating means, said casing embodying a fixed apertured wall, against which the pulp is delivered, by centrifugal force, by said suction creating means, and a removable cover for the extractor, to which cover said wall is connected, for removal therewith.

2,409,498
GEIGER-MÜLLER COUNTER
Albert S. Keston, New York, N. Y.
Application October 27, 1944, Serial No. 560,668
4 Claims. (Cl. 250—83.6)



1. A Geiger-Müller counter tube filled with a vapor comprising an organo-metallic compound consisting of an alkyl compound of a non-radioactive metal of series 9 of the periodic system and having an atomic weight of at least 200.

2,409,499
BEAM DEFLECTION ELECTRON DISCHARGE DEVICE
George Ross Kilgore, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 6, 1942, Serial No. 433,579
9 Claims. (Cl. 250—158)

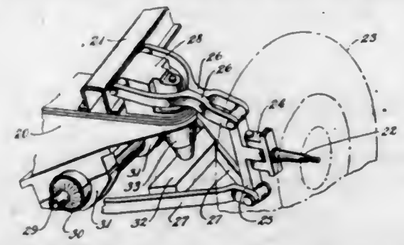


1. An electron discharge device having means for supplying a converging beam of electrons, an apertured electrode through which said beam of electrons is directed, and a collector all in the order named, and a single pair of oppositely disposed deflecting electrodes positioned closely adjacent said beam and between said beam supplying means and said apertured electrode and having surfaces continuously approaching each other in the direction of movement of the beam, said beam supplying means and said output electrode being next adjacent said deflecting electrodes.

2,409,500
SPRING
Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 3, 1943, Serial No. 474,545
8 Claims. (Cl. 267—21)

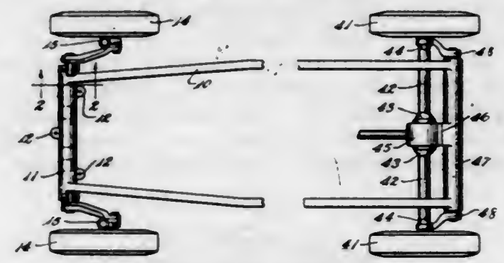
7. A torsion bushing assembly comprising a support formed with an opening having an axial shoulder and a torsion spring mounted in the opening, said torsion spring comprising inner and outer elements spaced-apart from each other and

an intervening body of resilient rubber-like material in torque-transmitting relation to said elements, said body comprising the sole torque-transmitting means between said elements, said outer element comprising sheet metal bonded to the outer surface of said intervening body with an axially extending margin thereof continuing



radially beyond an adjacent curved portion and abutting said axial shoulder, the remainder of said outer element being free of attachment to said support and being adapted to engage said support frictionally by increasing pressure when subjected to torsion by virtue of the engagement of its axial margin against the shoulder.

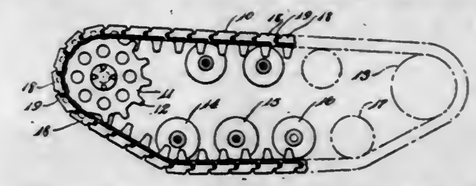
2,409,501
VEHICLE SUSPENSION
Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 15, 1943, Serial No. 490,887
12 Claims. (Cl. 267—21)



1. A vehicle spring suspension comprising a tubular housing extending transversely of the vehicle, a pair of shafts extending into said housing from the ends of the latter and having wheel-supporting arms at their outer ends, bodies of resilient material between said shafts and housing and secured to each for resiliently resisting deflection of said arms, a sleeve rotatable within said housing and telescopically overlapping the inner ends of said shafts, bodies of resilient material between said sleeve and said shafts and secured to both said sleeve and said shafts to resist relative rotation of said shafts, and a bearing in said housing for said sleeve.

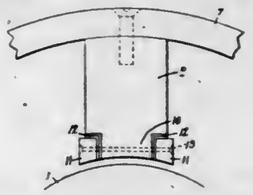
2,409,502
TRACK FOR SELF-LAYING TRACK TYPE VEHICLES
Charles W. Leguillon and Alvin S. Krotz, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 22, 1943, Serial No. 491,760
6 Claims. (Cl. 305—10)

1. A track block for a self-laying track type vehicle in which a series of blocks are hingedly connected, said block comprising a metal frame having retaining walls extending substantially to a face of the block, a partition spaced from said face dividing the space between said retaining walls, said partition being apertured to provide a communicating opening therebetween, and a filling of resilient material in said space and ex-



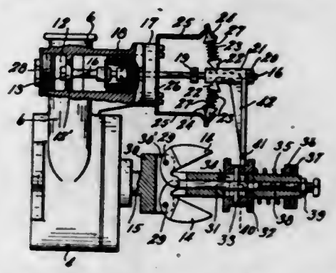
tending between the tread face and the wheel-contacting face of the block.

2,409,503
DYNAMOELECTRIC MACHINE
Thomas M. Linville, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 28, 1944, Serial No. 556,137
8 Claims. (Cl. 171—228)



1. A dynamoelectric machine having an armature provided with a commutator, a commutating pole having a field exciting winding arranged about a pole piece core of magnetic material with a pole tip formed by magnetic material connected by magnetic material to said core portion having a transverse width less than that of the main core portion, pole tip elements of magnetic material extending axially of the machine along both axial sides of said core pole tip portion and spaced from said tip and core, and non-magnetic material between said axially extending elements and said core for providing an effective air gap therebetween.

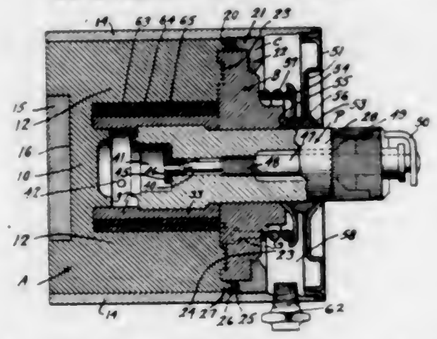
2,409,504
OIL BURNER
Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application February 1, 1945, Serial No. 575,678
3 Claims. (Cl. 158—36.3)



1. The combination in an oil burner, having a nozzle, a pump to supply oil to the nozzle, and a cut-off valve for preventing flow of oil to the nozzle whenever the pressure of the pumped oil is less than a predetermined value; of a by-pass from the outlet to the inlet of said pump, a valve to control said by-pass and normally closed during operation of the burner while the pump is moving at full speed, means for opening said valve with a snap action, a centrifugal device rotatable with said pump and operable when the speed of said pump falls below a predetermined

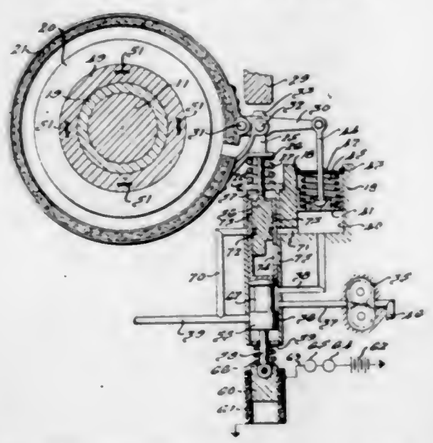
value and before the pressure of the pumped oil falls to said predetermined value to initiate the action of said means and cause the sudden opening of the by-pass valve.

2,409,505
HYDRAULIC SHOCK ABSORBER PISTON AND CYLINDER CONSTRUCTION
Gervase M. Magrum, Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 18, 1944, Serial No. 554,578
18 Claims. (Cl. 309—1)



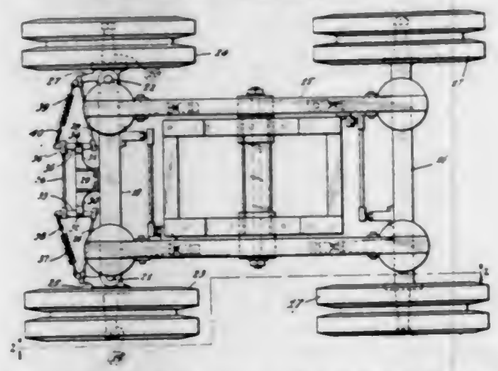
5. In a hydraulic damping device, a cylinder structure comprising a cup-shaped body part in the form of an integral molding of plastic material with abutments extending radially therefrom, an end wall for said body in the form of an integral molding of plastic material and having a bearing passageway therethrough, a piston structure comprising a head within the cylinder structure and a shaft extending through and having bearing support in said bearing passageway, said head being surrounded by plastic material intimately molded thereto and defining a cylindrical hub portion for bearing engagement with said abutments and radially extending vanes for bearing engagement with the cylinder surface of said cylinder structure between said abutments.

2,409,506
DRIVE MECHANISM
Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 23, 1943, Serial No. 503,455
13 Claims. (Cl. 74—290)



1. In a drive mechanism, a drive shaft, a driven shaft, planetary gearing including a plurality of members adapted to connect said shafts in drive relation, clutch means operable to lock two of said planetary gearing members together for unitary rotation, brake means applicable to hold one of said planetary gearing members from rotation and responsive to torque reaction on the member to maintain the application, means for selectively engaging the brake means or the clutch means, and means opposing the force of torque reaction to maintain application of the brake means whereby the brake means will be released in advance of the full application of the clutch means.

2,409,507
AUTOMATIC DIRIGIBLE TANDEM WHEEL UNIT
Donald Mettetal, Jr., Indianapolis, Ind.
Application February 22, 1945, Serial No. 579,289
7 Claims. (Cl. 280—80)



1. A tandem wheel unit comprising a first axle, a pair of wheels journalled thereon, a second axle, stub axles movably mounted at opposite ends of said second axle through king pins, wheels journalled on said stub axles, a radius rod for each of said stub axles, means providing an operative connection between said radius rods, yielding means normally holding said last-named means in a median position, and means providing a connection between said first and second axles.

2,409,508
PUSH FASTENER
Edwin August Miller, Fairfield, Conn.
Application March 9, 1945, Serial No. 581,809
2 Claims. (Cl. 85—11)

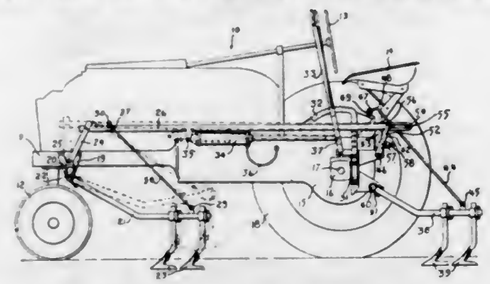


1. A push fastener comprising a sheet-stock structure having a base seat body part, said structure including a resistingly yielding and upwardly extending fin element supported by said base part at an obtuse angle thereto; a convex-preformed upper free end portion with which the fin element is provided; and an outer cutting edge of the most far distant mid-portion of said free end of said fin element.

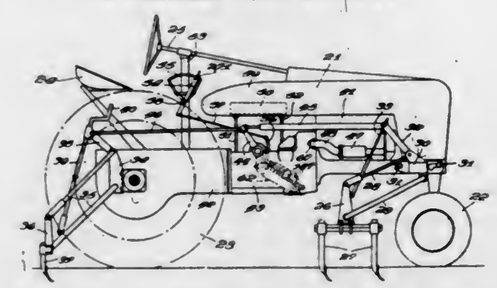
2,409,509
TRACTOR-MOUNTED IMPLEMENT
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 16, 1941, Serial No. 398,181
7 Claims. (Cl. 97—47)

1. In combination, a tool-supporting structure, working tools respectively connected to the tool-supporting structure for separate movement from one position to another position, oppositely movable means advanceable for successively moving

the working tools and including a lost-motion connection with one of the tools whereby lost motion may be taken up prior to movement of the one tool, an overcenter device associated with the one tool and the lost-motion connection and being adapted to lock the same after movement from the one position to the other position and to be unlocked for permitting movement of such one tool back to the one position, said lost-motion connection facilitating retractive movement of said oppositely movable means while such one tool is locked in said other position, said oppositely movable means being operable to cause return of the other tool to its one position pursuant to said retractive movement, and means movable with said retractively moving means for unlocking the locking means following sufficient retractive movement for the other tool to have returned a substantial distance toward its one position.

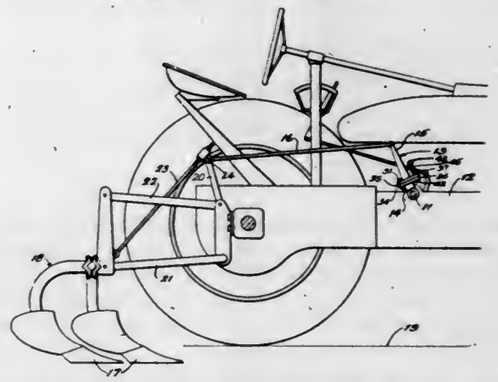


2,409,510
POWER ADJUSTING MECHANISM
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Original application November 21, 1942, Serial No. 466,463. Divided and this application March 22, 1944, Serial No. 527,625
5 Claims. (Cl. 97—50)



1. In a mechanical organization for the practice of a new tillage technique; a tractor; a tillage tool disposed on said tractor for movement between a lowered field tillage position and an elevated transport position and for depth adjustment within the tillage position; a power transmitting mechanism, said mechanism including a motor energized by power received from the tractor power plant, said motor being selectively energizable for moving a work member thereof in either of opposite directions and effective to lock said work member against movement excepting during such energization, said mechanism also including a control member movable in either of opposite directions to incur energization of said motor for moving its work member coordinately in direction and amount with the movement of such control member; and means connecting said work member with said tool to respectively raise and lower the same pursuant to the movement of the work member in opposite directions, whereby movement of the control member within one zone of its movement range will positively incur tool tillage depth adjustment correlated in either didection and amount with the movement of said member and whereby movement of the control member into another zone of such movement range will incur movement of the tool into the transport position.

2,409,511
OVERLOAD RELEASE FOR ROCKABLE ARMS
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 20, 1944, Serial No. 564,377
1 Claim. (Cl. 74—599)

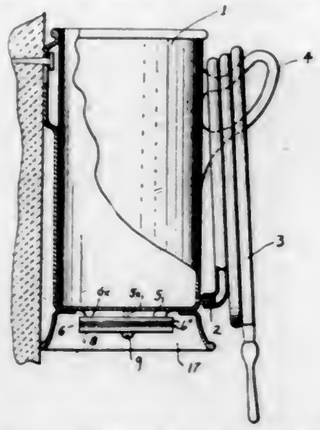


A rockable force-transmitting arm structure comprising a root portion adapted for rocking about an axis, an arm portion disposed in end-to-end relation with said root portion, the adjacent ends of said arm and root portions having end face portions normally resting against one another, said arm portion having ears projecting laterally of and oppositely from its said end portion, said root portion having ears projecting laterally of and oppositely from its said end portion and respectively paired with the ears of said root portion, each pair of said ears having axially registering openings of which the axes extend lengthwise of the arm structure, the opposed faces of one pair of said ears being spaced apart while said end faces of the arm and root portions are resting against one another, a bolt shank under-size in respect to and disposed within the openings in said one pair of ears, a second bolt shank under-size in respect to and disposed within the openings of the other pair of ears and having a portion extending outwardly through one of the openings associated therewith lengthwise of the arm structure, a helical spring disposed about said extending bolt shank portion and reacting expansively therebetween, and one of the ears in said other pair for urging the ears of such pair together and normally maintaining the end faces of said arm and shank portions in the relation resting against one another but being compressible pursuant to rocking of the arm portion relatively to the shank portion in a manner incurring separation of said end faces and engagement of the opposed faces of the one pair of ears.

2,409.512
CONTROLLED ELECTRIC WATER HEATER FOR HYGIENIC USE
Thomas A. Mungo, New York, N. Y.
Application October 31, 1944, Serial No. 561,965
1 Claim. (Cl. 219—38)

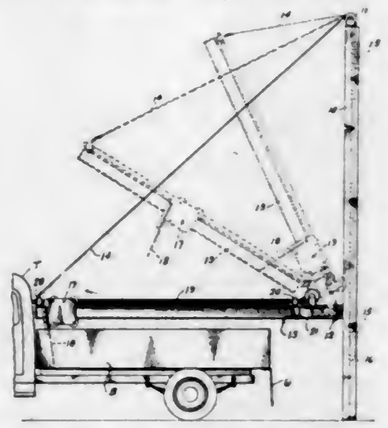
An electric water heater for hygienic use which consists of a metallic vessel having a closed bottom wall having an inner face directly receiving water when contained in the vessel, an electrothermal heating member secured to the outside of

and depending from said bottom wall and having terminals, a heat-conduction thermostat also secured to and depending from said bottom wall, there being a space of bottom wall between the heating element and the thermostat, conductor



members for connection to a power line, one of said conductors being connected to one terminal of the electro-thermal heating member, the second terminal being connected to the thermostat and the thermostat being connected to the second conductor.

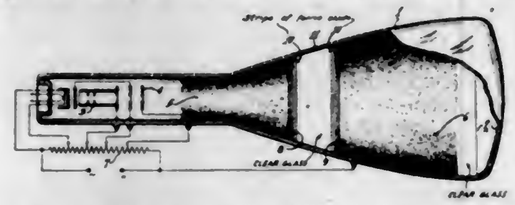
2,409,513
LOADING AND UNLOADING MACHINE
William M. Patience and Donald E. Kimball, II, Chicago, Ill., assignors to Darling & Company, Chicago, Ill., a corporation of Illinois
Application March 27, 1944, Serial No. 528,216
5 Claims. (Cl. 198—222)



1. A device for controlling, from a remote point, the movement of masses of material which comprises a support, an arm swingably mounted on said support, a carriage mounted on said arm for movement along the length of the arm, material-engaging means depending from said carriage, reversible positive propulsion means for driving said carriage in both directions along the length of said arm, and counterbalancing means cooperating with said support for automatically raising said arm when said carriage is moved to a position adjacent said support.

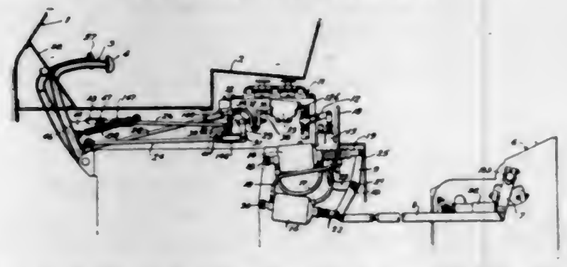
2,409,514
CATHODE-RAY TUBE
George W. Pratt, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1945, Serial No. 575,273
10 Claims. (Cl. 250—155)

1. A cathode ray tube comprising a highly evacuated elongated vitreous envelope enclosing electrodes for producing an electron discharge lengthwise of said envelope, two conductive coatings on the inner wall of said envelope and spaced along the length of said envelope, and an ad-



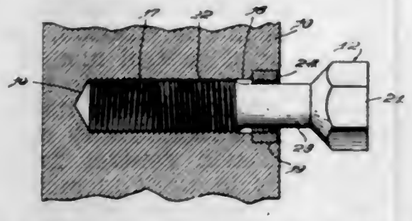
herent substantially gas-free coating of finely powdered Fe_2O_3 and sodium silicate on and covering said inner wall between the adjacent edges of said coatings and adjoining said edges.

2,409,515
CLUTCH CONTROL
Clifford R. Rogers, Oak Park, William O. Bechman, Chicago, and Joseph F. Ziskal, Cicero, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application October 11, 1943, Serial No. 505,810
6 Claims. (Cl. 192—87)



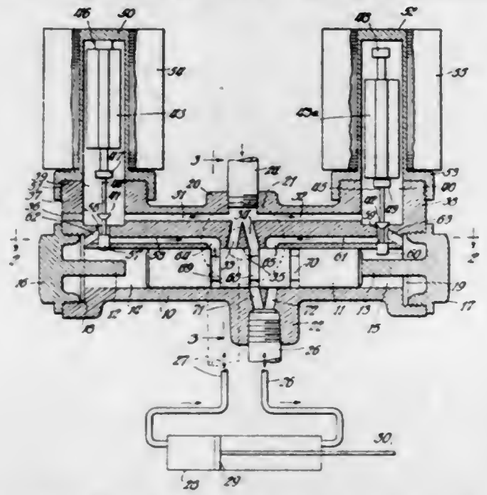
1. In a vehicle having dual clutches and actuating means therefor comprising an operating pedal, a clutch selector, said actuating means capable of effecting alternate engagement of either clutch upon successive depressions of said operating pedal, said clutch selector comprising a pair of shafts adapted to be successively rotated by the operating pedal, one of said shafts having a bell-crank lever keyed thereto, a pair of levers joined to opposite ends of said bell-crank lever, a third shaft, and a bell-crank lever keyed to said third shaft, the other of said pair of shafts operating means to cause interlocking of either of said levers to the bell-crank on the third shaft, whereby said third shaft has motion in either direction of rotation depending on which lever is locked to the bell-crank on the third shaft.

2,409,516
IMPLEMENT ATTACHING DEVICE
William C. Rosenthal and Clarence A. Hubert, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application July 12, 1944, Serial No. 544,612
3 Claims. (Cl. 151—32)



3. In a work piece or support, a threaded recess, a coaxial unthreaded section and counterbore adjacent the mouth thereof, each of progressively larger diameter, a headed screw having a threaded end fitted in the recess with a neck portion of lesser diameter, the threaded end being of greater axial length than said unthreaded section, and a retaining collar frictionally held in the counterbore and engageable with the threaded portion of the screw to inhibit withdrawal thereof.

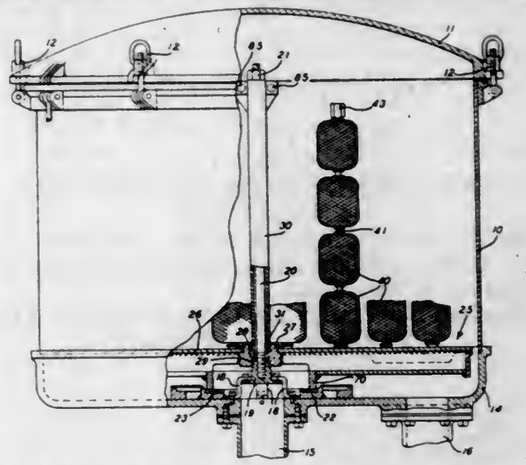
2,409,517
VALVE CONSTRUCTION
Louis D. Schmit, Savanna, Ill.
Application January 17, 1944, Serial No. 518,546
4 Claims. (Cl. 137—139)



1. A valve body having a bore therethrough, said bore being enlarged at both ends, a valve slidable in said bore, means closing the enlarged ends of said bore and having stops projecting inward beyond the enlarged portion of the bore to limit the movement of the valve, said valve body having an inlet opening provided with two branches extending to the bore, two combination inlet and outlet openings each having two branches extending to the bore, and an outlet opening having two branches extending to the bore, said valve having channels therein operable when the valve is against one of said stops to provide fluid passage from the inlet opening through one of its branches to one of said combination openings through one of its branches and to provide fluid passage from the other combination opening through one of its branches to the outlet opening through one of its branches, the valve channels being operable when the valve is against the other stop to provide fluid passage in a reverse direction through the combination openings by means of the other branches in the several inlet and outlet openings.

2,409,518
CARRIER STRUCTURE
Charles C. Smith, Cranford, and Daniel V. Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1942, Serial No. 468,014
2 Claims. (Cl. 68—189)

1. A carrier for use in carrying articles into and out of a casing having a fluid inlet and a fluid outlet together with a central support, the carrier comprising a circular supporting plate, a centering element mounted at the center of the supporting plate and adapted to cooperate with the central support to center the carrier in the casing, a U-shaped sector secured to the said surface and having legs extending radially from the said center, angular sectors successively secured to the said surface and having legs extending radially from the said center, a flat sector secured between the U-shaped sector and the last angular sector to complete a circular arrange-

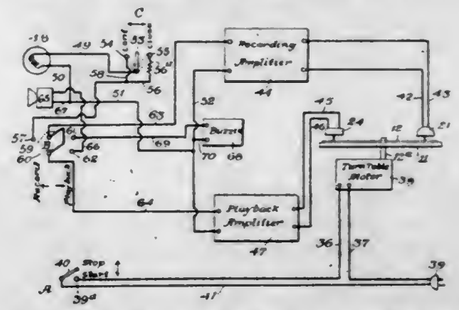


ment of hollow sectors, means to close the outer ends of the sectors, and means to provide communication between the hollow sectors and the inlet.

2,409,519
SODIUM DISPERSION
Charles Cyril Tanner, Widnes, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 29, 1943, Serial No. 504,331. In Great Britain December 20, 1940
6 Claims. (Cl. 252—309)

1. A process for the production of a dispersion of sodium in a mixture of inert liquids to be used in a chemical reaction which comprises dispersing, with agitation, molten sodium in an inert liquid having a boiling point above the melting point of sodium, cooling the dispersion to below the melting point of sodium while maintaining the latter in the dispersed condition and adding to said dispersion a second inert liquid having a boiling point below the melting point of sodium, said second liquid being added in sufficient amount to form with the first a mixture boiling below the melting point of the sodium.

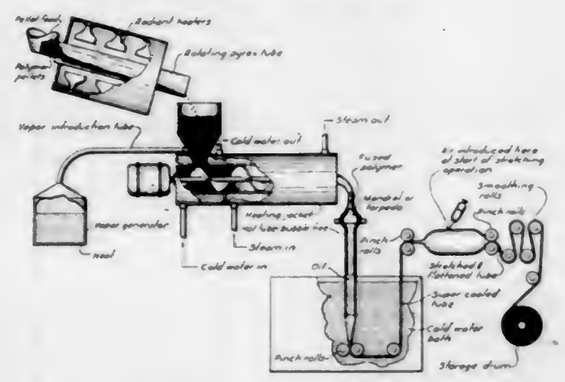
2,409,520
TWO-AMPLIFIER RECORDING AND REPRODUCING PHONOGRAPH
Lincoln Thompson, Cheshire, Conn., assignor to The Sound Scriber Corporation, New Haven, Conn., a corporation of Connecticut
Application February 12, 1944, Serial No. 522,113
17 Claims. (Cl. 179—100.4)



1. In a dictating machine, a moving record, a microphone, an amplifier connected with said microphone, a stylus-carrying recording head connected to the output of said amplifier for producing a continuous groove on said record, a

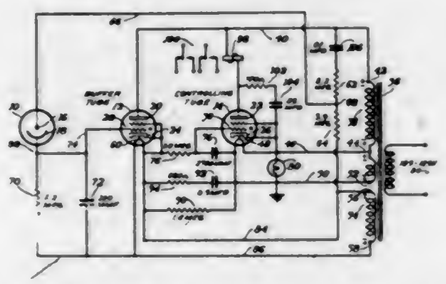
stylus-carrying playback head resting in said groove, an amplifier for the energy received by said playback head, a loudspeaker connected to the output of said playback amplifier, means to switch the connections of said machine selectively from "recording" to "playback," and means to automatically record a prolonged characteristic signal in said groove during playback periods.

2,409,521
VINYLIDENE CHLORIDE POLYMER EXTRUSION
Ralph M. Wiley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application November 22, 1943, Serial No. 511,343
3 Claims. (Cl. 18—55)



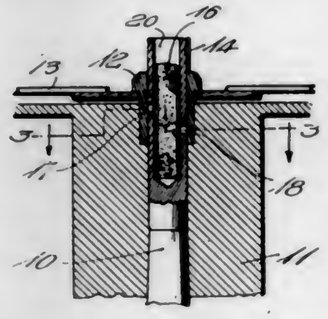
1. In the extrusion of a vinylidene chloride polymer, the step of introducing into and mixing with the polymer feed to the extrusion zone at atmospheric pressure, the vapor of a chlorinated lower aliphatic hydrocarbon which is volatile at temperatures in the extrusion zone, in small amounts such that the partial pressure of the chlorinated hydrocarbon in the extruded polymer is below atmospheric pressure at extrusion temperature.

2,409,522
GAS TUBE CIRCUIT
Harry J. Woll, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1944, Serial No. 528,865
6 Claims. (Cl. 315—152)



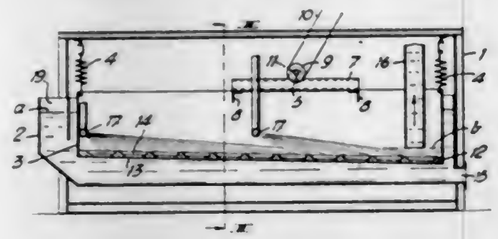
6. In a gas tube which has (*a*) at least one control electrode in addition to a cathode and an anode, (*b*) a circuit connecting said control electrode to said cathode and including a time delay combination and (*c*) connections to a source of alternating voltage for applying an alternating potential to said anode and an alternating bias to said control electrode to prevent conduction of said tube, the improvement which consists in including in said circuit in addition to said time delay combination a resistor and a capacitor effectively connected in parallel with said resistor whereby to vary said bias as a function of any variation in the voltage of said source and thereby to make the delay created by said time delay combination independent of the variation in said source.

2,409,523
DEVICE FOR OILING FLIERS
Hal McColman Adams, Lexington, N. C., assignor to Burlington Mills Corporation, Greensboro, N. C.
Application April 7, 1945, Serial No. 587,149
3 Claims. (Cl. 57—116)



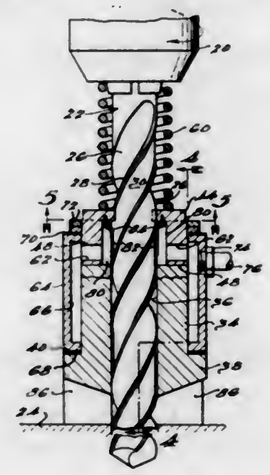
1. In a spinning machine, comprising a spindle having a delivery bobbin mounted thereon, and a flier block fitting over the upper portion of the spindle and in direct rotary contact therewith, the improvement wherein the upper portion of the spindle comprises an oil compartment having one or more apertures communicating with the interior surface of the flier block.

2,409,524
METHOD OF STRAINING FIBROUS SUSPENSIONS
Sten Eskil Einarsson Ahlfors, Hedemora, Sweden
Application January 30, 1942, Serial No. 428,930
In Sweden July 22, 1940
4 Claims. (Cl. 92—33)



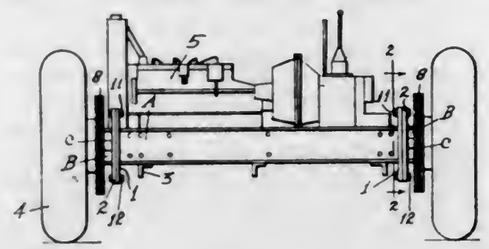
1. A method of straining fibrous suspensions, particularly paper pulp, comprising supplying the pulp to be strained to the bottom surface of a strainer element having straining slots therein which have side walls which are divergent upwardly, causing the pulp thus supplied to pass upwards through said strainer element, imparting vibratory motion of a frequency of about 1200 to 1400 vibrations per minute to said strainer element so as to cause a thickening of the pulp when passing upwards through said strainer element, discharging the thickened strained pulp at the top of said strainer element and the material rejected by said strainer element at the bottom thereof, the discharges being regulated so as to maintain a thin layer of strained pulp on the screen, and cleaning the slots of said strainer element by spraying liquid against the side thereof facing the pulp strained.

2,409,525
DRILLING DEVICE
Rudolf W. Andreasson, Franklin, Mich.
Continuation of application Serial No. 504,351, September 30, 1943. This application September 27, 1944, Serial No. 556,008
19 Claims. (Cl. 77—68)



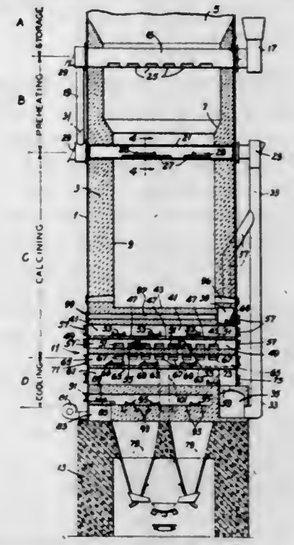
19. In combination, a drill comprising a body having a point at one end thereof and having a flute and a land extending longitudinally of said body from said point, said land being provided in its peripheral surface and between its opposite edges with a relief open to said peripheral surface along the length thereof, and means mounted upon and rotatable with said drill for supplying a coolant thereto, said means including a passage adapted to receive coolant under pressure and arranged so that it delivers the coolant only to said relief in said land for flow toward said point, said flute serving as an escape passage for said coolant from a hole being drilled by said drill.

2,409,526
CHAIN TIGHTENING MEANS
Harry S. Ausherman, Wichita, Kans.
Application February 19, 1945, Serial No. 578,597
2 Claims. (Cl. 74—242.16)



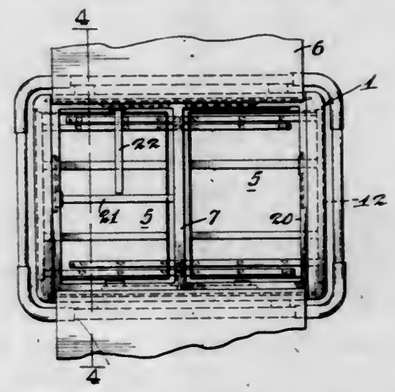
1. In driving chain tensioning means for the drive wheel of a combine, a toothed gear secured to one side of the drive wheel, a coupling for the drive wheel to the axle, said coupling being interposed in the axle by severing the same adjacent the drive wheel, whereby a stationary and a rockable portion is provided for the axle, said coupling comprising two members that are rockably connected eccentric to the wheel and longitudinal axis of the axle, one member of the coupling being secured to the stationary portion of the axle while the other member is secured to the rockable portion of the axle and on said rockable portion of the axle the wheel is journalled and adapted to rock to and fro horizontally across the longitudinal axis of the stationary portion of the axle to adjust tension of a drive chain connecting the drive wheel toothed gears to a power driven toothed gear to turn said drive wheel, and bolt means to secure the coupling members rigid together when the chain is properly tensioned.

2,409,527
CALCINING APPARATUS
Victor J. Azbe, Webster Groves, Mo.
Application April 13, 1945, Serial No. 588,185
19 Claims. (Cl. 263—29)



1. A kiln comprising a vertical shaft having a pre-heating zone and a calcining zone, a cross-pipe within said shaft located near the top of the calcining zone and having inlet means for hot gas from the calcining zone, means connected with said pipe for recirculating said gas to a point at the lower end of the calcining zone, a second pipe across the interior of said shaft and located near the top of the pre-heating zone and having inlets for receiving cooler gas from said pre-heating zone, and a connection between said last-named pipe and the first pipe whereby the cooler gas from the pre-heating zone flows through the first pipe and tends to cool the latter and to temper the hot gas from the calcining zone flowing therethrough.

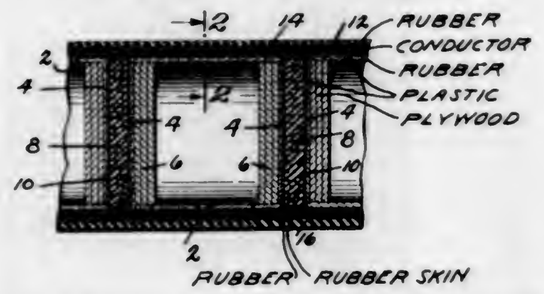
2,409,528
FOOD CONVEYER OR HEATER
Roy J. Baunach, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 13, 1944, Serial No. 526,295
9 Claims. (Cl. 312—172)



1. A food conveyer having an open top compartment into which one or more food receptacles may be suspended, a bar, means whereby said bar

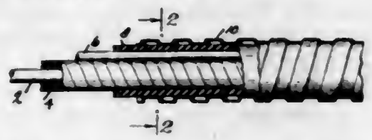
is pivotally and slidingly attached at one end to a wall of the receptacle adjacent to its top whereby the bar may be swung into and out of dividing relation to the top portion of the compartment and may have an inclined sliding movement lengthwise of such side wall and whereby the bar may be raised to receptacle supporting position in the compartment and may be lowered a predetermined extent relative to the top of the compartment when the bar is slidingly shifted a predetermined distance from said position.

2,409,529
BUOYANT ELECTRIC CABLE
Harry L. Beede, Fort Lee, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application February 6, 1943, Serial No. 474,932
9 Claims. (Cl. 174—110)



1. In a buoyant electric cable, the combination of a plurality of hermetically sealed, plastic center members or cells, braced internally, with transversely extending wooden discs, spacers between adjacent cylinders, a conductor stranded about said cells and spacers, and an enclosing, non-metallic, water-impervious, flexible sheath, the weight to volume ratio of the cable being such as to enable the same to float in a medium such as sea water.

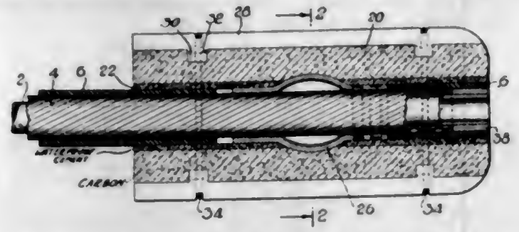
2,409,530
ELECTRIC CABLE
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application July 3, 1942, Serial No. 449,575
1 Claim. (Cl. 174—115)



An electric cable comprising in combination a paper insulated conductor, a bare conductor, an enclosing polyethylene tetrasulfide sheath, and an armor of paper impregnated with terpin hydrate.

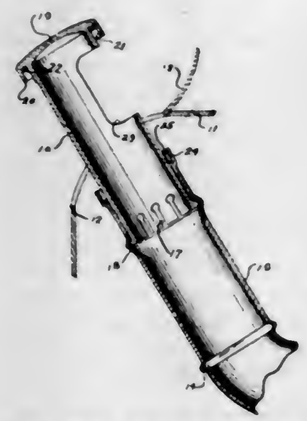
2,409,531
ELECTRODE FOR BUOYANT CABLES
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Original application February 22, 1943, Serial No. 476,741. Divided and this application March 29, 1944, Serial No. 528,519
6 Claims. (Cl. 174—77)

1. An electrode for buoyant electric cables, said electrode comprising in combination a central conductor, electrically insulating water impervious-tubing surrounding the conductor, an electrode element of electrically conducting water-proofed material strung upon said tubing,



and a spring metal electrical contact element within the interior of the electrode and electrically connecting the conductor and electrode element.

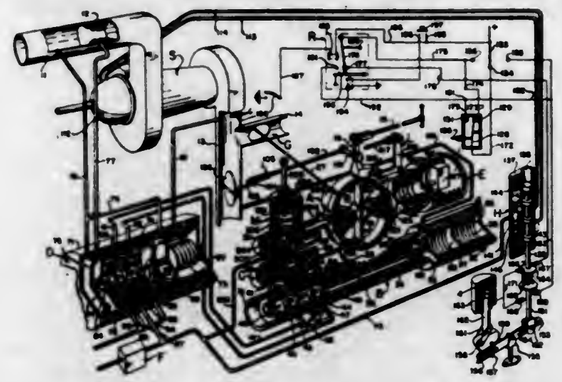
2,409,532
FILLING SPOUT
Robert Bentley, Monroe, and Howard Bentley, Detroit, Mich.
Application July 21, 1944, Serial No. 545,920
2 Claims. (Cl. 220—86)



1. A device of the class described, comprising: a tank; a tubular filling spout projecting outwardly from said tank and having a pair of spaced peripheral grooves on its inner surface and outwardly flared at its outer end; a sealing ring mounted on the inner surface of the outwardly flared end of said spout; a telescoping tube mounted in said spout and snugly engaged at its periphery with said ring and provided on its inner end with a plurality of circumferentially spaced, axially directed slits; a peripheral bead on the slitted end of said tube engageable in either of said grooves, said bead being in frictional contact with the inner surface of said spout in its slidable movements therein, there being a filling opening formed in one side of said telescoping tube; a closure on the outer end of said telescoping tube; an overhanging spaced apart flange on the outer end of said telescoping tube to provide a channel; and a sealing ring mounted in said channel and engageable with the end of said spout upon full telescoping of said telescoping tube therewith.

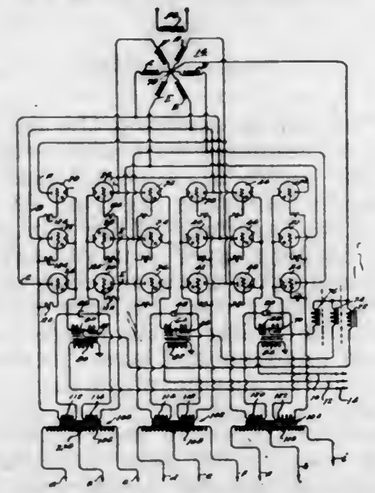
2,409,533
APPARATUS FOR CONTROLLING SUPERCHARGERS
David M. Borden, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 19, 1944, Serial No. 518,829
16 Claims. (Cl. 230—115)

3. The combination with a supercharger adapted to receive gas at one pressure and to deliver it at another greater pressure; of means for reducing the pressure of the delivered gas to keep the supercharger within the pumping limit, said means being responsive to arising of a condition in which the increase in gas pressure effected by



the supercharger is in a neighborhood of value equal to a constant times the equare of the velocity of the gas received by the supercharger plus a constant times the absolute pressure of the gas received by the supercharger.

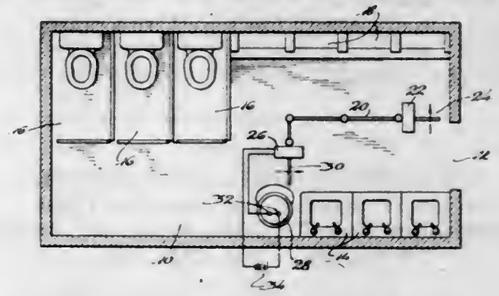
2,409,534
ELECTRICAL CONTROL SYSTEM
Omer E. Bowlus, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 30, 1944, Serial No. 565,954
20 Claims. (Cl. 172—281)



17. In a system for producing multiphase control voltages, the combination of a source of periodic control voltage common to such phases, a counter-network including an electric valve individual to each such phase, means coupling said valves to said source of periodic voltage so as to alter the conductive conditions of said valves in rotation, and means operably responsive to the condition of each valve for producing a control voltage for the corresponding phase.

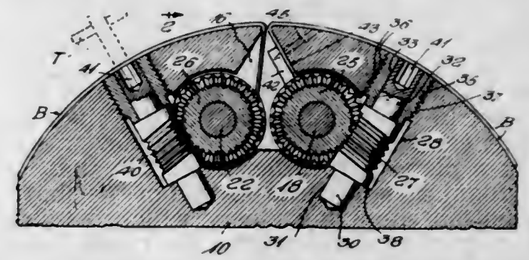
2,409,535
LAVATORY AND DISINFECTION CONTROL
Robert F. Bracke, Arlington Heights, Ill., assignor to R. F. Bracke & Company, Chicago, Ill., a partnership composed of Robert F. Bracke and Robert Anderson
Application August 16, 1943, Serial No. 498,810
5 Claims. (Cl. 4—222)

1. A lavatory comprising toilet facilities and wash basins, means separating that portion of the lavatory containing the toilet facilities from that portion of the lavatory containing the wash basins, said means requiring a person leaving the toilet compartment to pass a disinfecting station located at the exit from this compartment, hand



disinfecting means located at this station, a movable member normally preventing a person from leaving the toilet compartment, and means including hand controlled means requiring use of said disinfecting means for releasing said member.

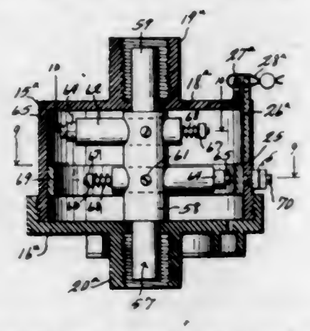
2,409,536
PRINTING CYLINDER BLANKET SECURING MECHANISM
Albert Braunworth, Queens Village, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application February 16, 1943, Serial No. 476,110
2 Claims. (Cl. 101—415.1)



1. In an impression cylinder adapted to receive a flexible blanket therearound and having an annular bearer recessed in the cylinder at each end thereof, an arcuate plate recessed in the cylinder against the inner side of each bearer, an axially-extending clamping surface in the cylinder, a shaft disposed in axial relation to the cylinder and rotatably supported in bearing apertures formed in the arcuate plates, a worm gear rotatable with the shaft, clamping members carried by the shaft to engage a terminal of the blanket and clamp it against the clamping surface, a worm-receiving recess formed in the cylinder, a radial inner bearing aperture formed in the cylinder in communication with the worm-receiving recess, an annular thrust shoulder formed in the cylinder at the inner radial terminal of the worm-receiving recess, a radially-disposed threaded aperture formed in the cylinder in axial alinement with the inner bearing aperture and located between the worm-receiving recess and the cylinder surface, a bearing sleeve threadedly secured in the threaded aperture and having an outer bearing aperture formed therein in axial alinement with the inner bearing aperture, an annular thrust surface formed at the inner terminal of the bearing sleeve, a worm located in the worm-receiving recess in mesh with the worm gear and having its inner and outer terminals engaging the thrust shoulder and thrust surface respectively, an inner stub shaft extending axially from the inner terminal of the worm and rotatably received in the inner bearing aperture, an outer stub shaft extending axially from the

outer terminal of the worm into the outer bearing aperture and having a tool-receiving socket formed therein at the cylinder surface for operable engagement by a radially-disposed tool whereby the worm, worm gear and clamping shaft are rotated by rotation of the tool to thereby move the clamping members into clamping engagement with the blanket, and means for tensioning the clamped blanket around the cylinder.

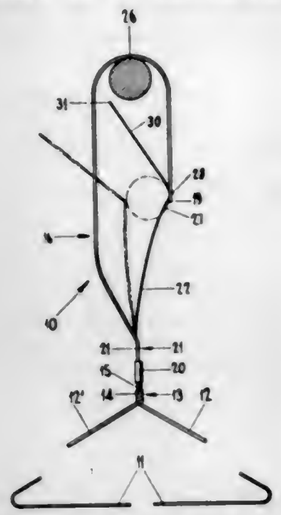
2,409,537
EXCESSIVE SPEED EXHIBITOR
John W. Bright, Los Angeles, Calif.
Application June 29, 1942, Serial No. 448,973
9 Claims. (Cl. 234—70)



2. An information supplying device comprising a completely closed casing having a circular chamber and opposite end walls, said end walls having axial openings therein, a shaft extending axially through the chamber and having its ends supported in and extending through said openings for connection at one end with a source of power by which the shaft is rotated, a window panel set in the circular wall of the chamber, an element carried by said shaft for movement on a line in a plane perpendicular to the shaft under centrifugal action upon rotation of the shaft, and information supplying means which is made operative upon outward movement of said element at a predetermined speed of rotation of the shaft to disclose through said window panel and from within the closed casing that the shaft has operated at the stated predetermined speed.

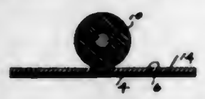
2,409,538
SAFETY INTERLOCKING CLOTHES HANGER
Aron Brill, Brooklyn, N. Y., and Walter Kneissler, Roselle, N. J.
Application October 17, 1944, Serial No. 558,992
2 Claims. (Cl. 223—88)

1. In a clothes hanger comprising a hook for a supporting bar, said hook having parallel walls spaced apart throughout its entire extent and having a bifurcation at its free end, an elongated leaf spring pivotally held at its lower end and intermediate of said hook walls, said spring having an angularly bent portion extending into interengagement with said bifurcation and being held thereby against lateral sway, a clamp having vertically elongated tubular end walls in fixed engagement with both of said walls, the portion of said clamp intermediate said end walls being flattened, said clamp holding said spring in immovable engagement with the lower end portion of said hook, said hanger being attachable to said bar by pressing the free end portion of said spring below said bifurcation against said bar and causing movement of said spring inwardly of said hook and between said parallel walls sufficiently to provide passage for said bar into said hook, said spring having an upwardly facing angularly directed extension, the free end of said extension terminating past the mid portion of said bar to permit said hanger to be moved upwardly into



disengagement from said bar by forcibly pressing said spring inwardly of said hook sufficiently to provide outward passage for said bar.

2,409,539
INSULATED WIRE AND CABLE
Grover W. Brown, Wyckoff, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application July 14, 1943, Serial No. 494,623
2 Claims. (Cl. 41—33)

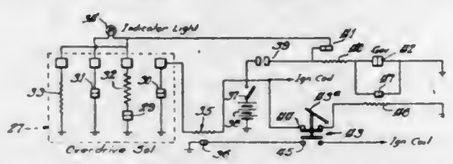


1. The method of marking the surface of the insulation of insulated wire and cable and vulcanizing the same in a continuous operation, which method comprises applying desired markings in ink to one face of an elongated metal strip, calendering a layer of unvulcanized rubber-like compound upon the inked face of said strip, said ink comprising color pigment and a solution of a compound similar to the compound composing the said unvulcanized layer, forming this assembly about the unvulcanized insulation of the wire or cable to bring the rubber-like compound into intimate contact with the said insulation and completely envelop the same, subjecting the assembly to a vulcanizing temperature with said metal strip restraining the insulation against distortion and then removing the metal strip, whereby the said markings are transferred to the exterior of said compound and the wire or cable insulation and said compound are vulcanized.

2,409,540
EXTRUDED PIPE MADE FROM LEAD ALLOYS
William Thomas Butcher and Arnold Lloyd, Greenford, England, assignors to Goodlass Wall & Lead Industries Limited, Oxted, England
No Drawing. Application January 23, 1945, Serial No. 574,218. In Great Britain January 4, 1944
1 Claim. (Cl. 138—47)

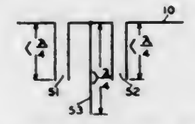
An extruded pipe for use under conditions requiring high creep resistance and high tensile strength, said pipe being composed of lead and silver, containing from 0.7% to 1.5% of silver, the balance being substantially lead.

2,409,541
VARIABLE-SPEED TRANSMISSION CONTROL
Harold E. Carnagua, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago 4, Ill., a corporation of Illinois
Application July 1, 1944, Serial No. 543,165
5 Claims. (Cl. 192—3)



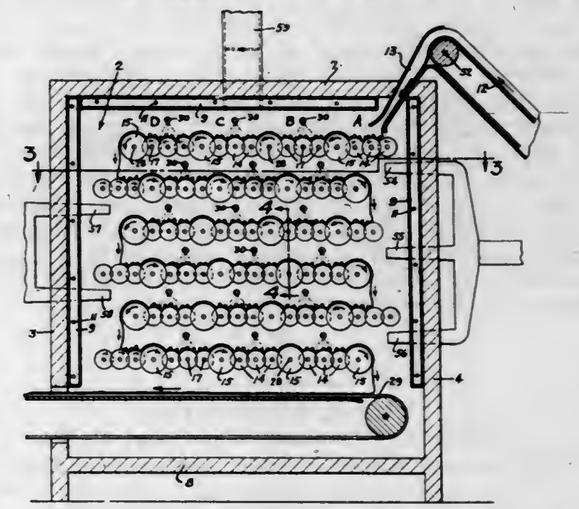
1. A control mechanism for a vehicle change speed transmission to be used with a prime mover having an ignition circuit, said transmission including positively interengageable transmission control elements, one of which elements is movable toward and away from another element to establish and release a drive of a predetermined ratio through the transmission, means for moving said movable element into engagement with the said other element, electro-magnetic means for controlling the moving means, a plurality of switches which are closed in response to movement of the movable element to a released position and opened in response to movement of the movable element to engaged position, a relay, a switch operated by said relay and having contacts which are closed when the relay is deenergized, a source of electrical energy, a manually operated switch; said relay-operated switch, said manually operated switch, a portion of the electro-magnetic means and one of said plurality of switches being connected in series; a relay in series with another of said plurality of switches and with the source of electrical energy, a switch controlled by the second-mentioned relay and opened when the said second-mentioned relay is energized, vehicle speed controlled switch means controlling the energization of the first electro-magnetic means, and a manually controlled switch effective, when closed and when the positively interengageable elements are engaged and the prime mover is impressing a torque load on the elements, to ground the ignition circuit and thereby relieve the torque load on the elements.

2,409,542
HIGH-FREQUENCY TRANSDUCER SYSTEM
Philip S. Carter, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 20, 1942, Serial No. 466,321
13 Claims. (Cl. 250—11)



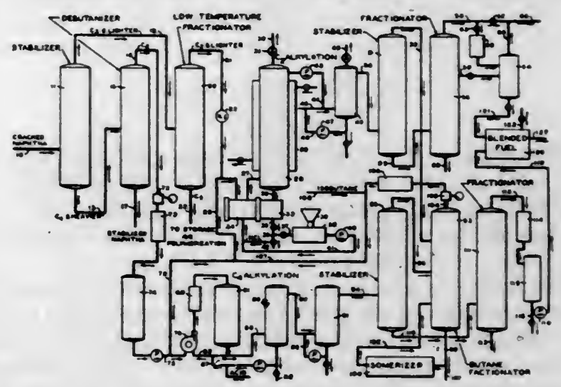
2. A phase shifting network for insertion in a single wire carrying high frequency energy including series reactance elements and at least one reactance element adapted to function as a shunt reactance in said network, said last named element including a length of conductor having such length that its effect on said network is inductive, said series reactance elements including conductors so disposed as to have inappreciable radiation resistance and having a length less than one quarter of the operating wavelength whereby they are capacitive in effect the reactances of said elements being so proportioned that the characteristic impedance of said network is equal to the impedance of said single wire to prevent reflection of energy at the point of insertion of said network.

2,409,543
APPARATUS FOR SHRINKING FABRICS
Franklin Chatfield, Minneapolis, Minn., assignor to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware
Application August 28, 1944, Serial No. 551,576
10 Claims. (Cl. 26—18.5)



1. In an apparatus for shrinking textile fabrics, a steam chamber, a plurality of closely spaced rotatable disks in said chamber, all of said disks being disposed beneath the path of travel of the fabric and having their peripheries arranged to convey the fabric through the chamber in a slack and relaxed condition and without exerting a pushing or pulling action thereon, certain of said disks having a relatively higher peripheral speed than others and cooperating with said other disks to continually alternately transversely wrinkle and dewrinkle the fabric as it passes through the chamber.

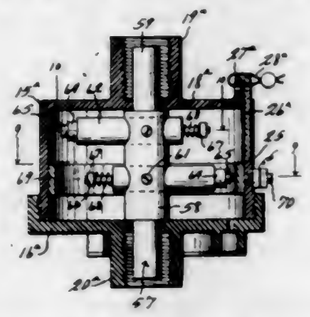
2,409,544
ALKYLATION OF HYDROCARBONS
Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 17, 1942, Serial No. 439,299
10 Claims. (Cl. 260—683.4)



6. In the continuous alkylation of isobutane with ethylene in the presence of an aluminum chloride alkylation catalyst, wherein isobutane and ethylene are continuously fed into an alkylation reaction zone containing an aluminum chloride catalyst, reaction products are continuously discharged from said zone and a stabilized hydro-

outer terminal of the worm into the outer bearing aperture and having a tool-receiving socket formed therein at the cylinder surface for operable engagement by a radially-disposed tool whereby the worm, worm gear and clamping shaft are rotated by rotation of the tool to thereby move the clamping members into clamping engagement with the blanket, and means for tensioning the clamped blanket around the cylinder.

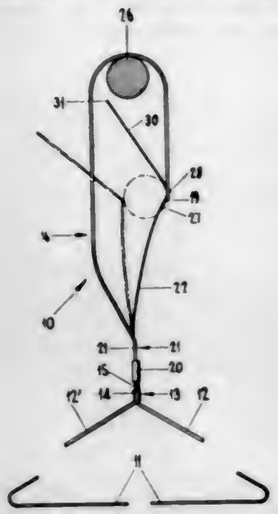
2,409,537
EXCESSIVE SPEED EXHIBITOR
John W. Bright, Los Angeles, Calif.
Application June 29, 1942, Serial No. 448,973
9 Claims. (Cl. 234—70)



2. An information supplying device comprising a completely closed casing having a circular chamber and opposite end walls, said end walls having axial openings therein, a shaft extending axially through the chamber and having its ends supported in and extending through said openings for connection at one end with a source of power by which the shaft is rotated, a window panel set in the circular wall of the chamber, an element carried by said shaft for movement on a line in a plane perpendicular to the shaft under centrifugal action upon rotation of the shaft, and information supplying means which is made operative upon outward movement of said element at a predetermined speed of rotation of the shaft to disclose through said window panel and from within the closed casing that the shaft has operated at the stated predetermined speed.

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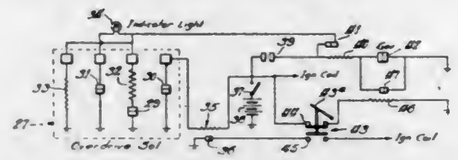


1. The method of marking the surface of the insulation of insulated wire and cable and vulcanizing the same in a continuous operation, which method comprises applying desired markings in ink to one face of an elongated metal strip, calendering a layer of unvulcanized rubber-like compound upon the inked face of said strip, said ink comprising color pigment and a solution of a compound similar to the compound composing the said unvulcanized layer, forming this assembly about the unvulcanized insulation of the wire or cable to bring the rubber-like compound into intimate contact with the said insulation and completely envelop the same, subjecting the assembly to a vulcanizing temperature with said metal strip restraining the insulation against distortion and then removing the metal strip, whereby the said markings are transferred to the exterior of said compound and the wire or cable insulation and said compound are vulcanized.

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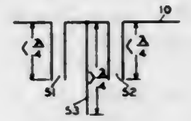
An extruded pipe for use under conditions requiring high creep resistance and high tensile strength, said pipe being composed of lead and silver, containing from 0.7% to 1.5% of silver, the balance being substantially lead.

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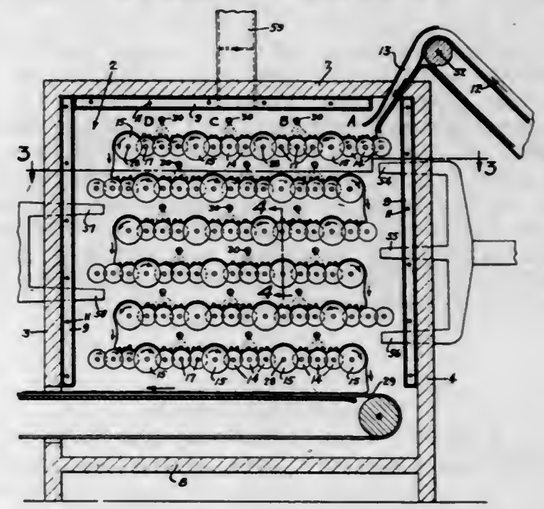
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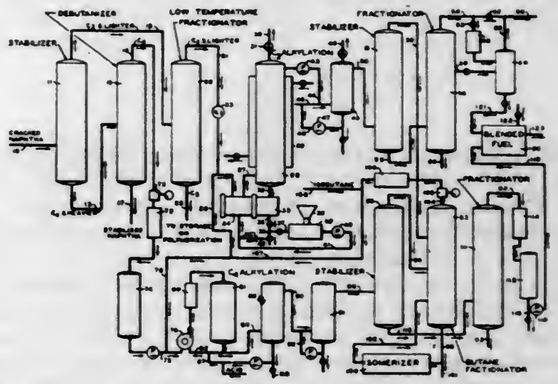
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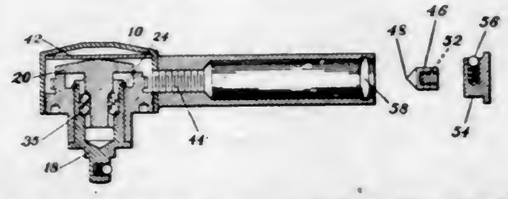
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Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 17, 1942, Serial No. 439,299
10 Claims. (Cl. 260—683.4)



6. In the continuous alkylation of isobutane with ethylene in the presence of an aluminum chloride alkylation catalyst, wherein isobutane and ethylene are continuously fed into an alkylation reaction zone containing an aluminum chloride catalyst, reaction products are continuously discharged from said zone and a stabilized hydro-

carbon alkylate recovered from said products, the improvement which comprises maintaining the molar ratio of isobutane to olefin in excess of about 3:1, providing an olefin feed containing ethylene as the essential olefinic component with not more than about 20% by weight based on the ethylene of other olefins including propylene, providing sufficient pressure to maintain the isobutane in liquid phase, maintaining the temperature of the reaction zone within the range of 105° F. to about 130° F., maintaining the catalyst to hydrocarbon volume ratio in the reaction zone in excess of about 0.06:1, adding to the reaction zone a small amount of material selected from the group consisting of HCl, water and alkyl chlorides which provides HCl promoter in the reaction zone in an amount equivalent to not substantially more than about 0.2% by weight of HCl on the basis of the hydrocarbon charge, and providing a contact time within the reaction zone of less than 20 minutes but not less than about 5 minutes, whereby an overall normally liquid alkylate is produced containing a major proportion by volume of hexanes consisting primarily of 2,3-dimethylbutane.

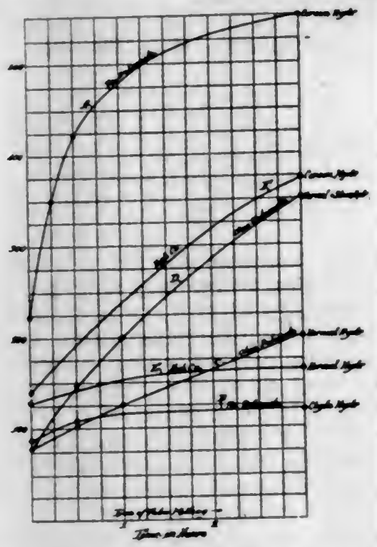
2,409,545
TORQUE WRENCH
Arthur L. Cornwell, Wellsville, N. Y.
Application March 7, 1944, Serial No. 525,457
10 Claims. (Cl. 64—29)



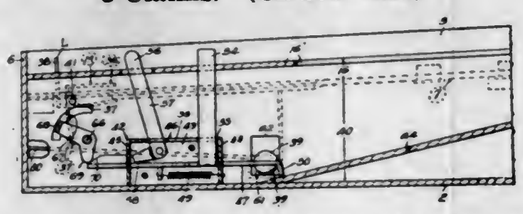
1. A torque wrench comprising the combination of a chambered body, a driven member therein having a centrally disposed portion extending outwardly of the body and a cooperating portion non-rotatably connected to the first portion, said cooperating portion and body having co-engaging and non-positive driving faces disposed about said centrally disposed portion, a substantially flat plate spring disposed rearwardly of and having its intermediate portion in contact with the driven member at its axis of rotation, said spring being supported in the body at spaced points remote from said intermediate portion and normally operative against the driven member to hold said faces in engagement with a predetermined resilient pressure.

2,409,546
METHODS OF CONDITIONING AND TREATING LIME AND PRODUCT THEREOF
Bolton L. Corson, Plymouth Meeting, Pa.
Application July 15, 1940, Serial No. 345,498
17 Claims. (Cl. 23—188)

15. A dry hydrated lime comprising clusters of individual finely divided particles and having improved properties, including a plasticity in excess of 200 available substantially immediately upon mixture with water as distinguished from a plasticity requiring hours of soaking to develop, which has had its calcium oxide substantially completely hydrated in the presence of so large an excess of water in the liquid phase that the product after hydration of the calcium oxide contained a surplus of liquid water, water in the liquid phase having come into contact with practically every individual particle of the lime and each said individual particle having been in contact with water in the liquid phase until the hydration of the calcium oxide content of that individual particle was completed, and which has been prepared by pounding in a powder form between surfaces to such as extent that its particles have been thus gathered into clusters while maintaining the lime as a powder.



2,409,547
GAME
George S. Cox and Emil J. Sandel, St. Louis, Mo.; said Sandel assignor to said Cox
Application March 20, 1944, Serial No. 527,293
3 Claims. (Cl. 273—129)

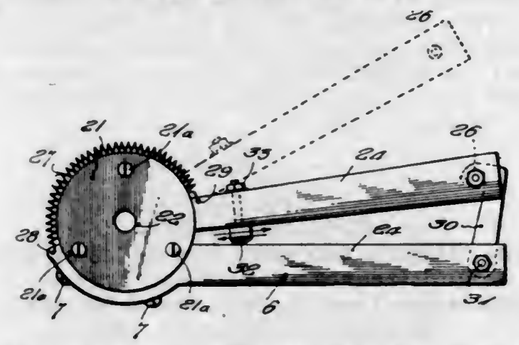


2. In a ball projecting device of the class described comprising a housing, a ball impact member having a plurality of openings therein slidably mounted in openings in the end walls of the housing, a spring for controlling the ball impact movement of the impact member, an upright handle projecting from the impact member and passing through a slotted opening in the top wall of the housing for retracting the impact member to a selected starting position against the action of the spring, a pivotally supported trigger having an offset extension to form a dog for engagement in a selected impact member opening to hold the impact member in its retracted position until the dog is released from engagement with the selected opening by forward pressure on the handle.

2,409,548
PLASTICIZED POLYVINYL ACETAL
Max O. Debacher, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 24, 1943, Serial No. 503,657
19 Claims. (Cl. 260—36)

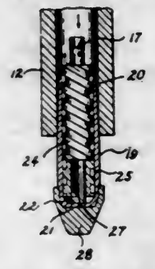
1. A composition comprising a polyvinyl acetal resin and a partial ester of a polyhydric alcohol and a saturated monocarboxylic aliphatic acid containing more than 9 but less than 21 carbon atoms, the polyhydric alcohol residue containing two unreacted hydroxyl groups.

2,409,549
BLASTING CAP CRIMPER
Alexander Djidics, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application April 21, 1944, Serial No. 532,201
8 Claims. (Cl. 86—40)



1. Means for crimping blasting caps upon fuses, comprising a head spanned by a web, said web having guide ways formed in its opposite faces, said guide ways lying substantially at right angles with respect to each other, a pair of jaws mounted in each of said guide ways, a pair of cam plates seated in said head, one upon each side of said web, interengaging cam means upon each of the cam plates and a pair of the jaws, and means for imparting movement to the cam plates from the exterior of the head, the confronting ends of the jaws being provided with working surfaces shaped to complementally and circumferentially indent a blasting cap to crimp the same upon a fuse.

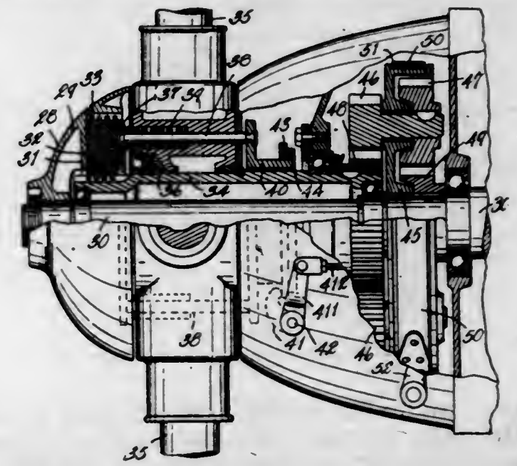
2,409,550
ELECTRODE FOR SPOT WELDING
Matthew Dobkowski, Detroit, Mich.
Application December 4, 1944, Serial No. 566,528
4 Claims. (Cl. 219—4)



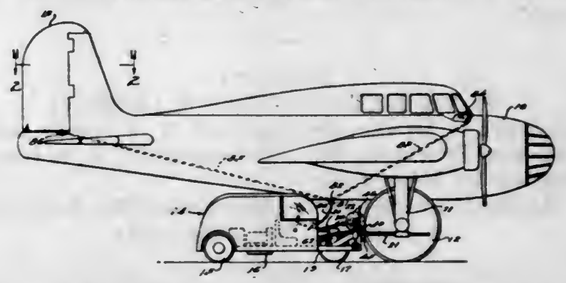
1. An electrode of the kind described, comprising a thin cylindrical shell, closed at one end by a transverse wall, an elongated member axially disposed within said shell, having an axial passage therein and having a spiral groove on its outer surface, the inner end of the member terminating short of said transferse wall, to leave a free space adjoining said wall, the axial passage in said member serving to convey cooling liquid to the said free space, while the groove affords an outlet for said liquid from said shell.

2,409,551
AIRCRAFT PROPULSION
Maurice L. Donnellan, Ypsilanti, Mich.
Application June 15, 1942, Serial No. 447,099
1 Claim. (Cl. 170—135.5)

In a power transmission system for driving a fixed blade aircraft propeller from a power driven shaft, the combination of a sleeve concentric with the driven shaft, a propeller hub secured to said sleeve, a clutch member carried by said hub forwardly of the propeller and arranged upon engagement to drive said sleeve from said shaft at the same speed, a transmission connecting said shaft with said sleeve for driving said sleeve at a different speed from the speed of such shaft when said clutch is disengaged, and operating means for simultaneously effecting a timed engagement and disengagement of said clutch with relation to the driving of said sleeve through said transmission, and comprising clutch operating members extending through said hub, means for blocking the operation of said transmission, and a connecting link between said clutch operating member and said transmission blocking means whereby the said transmission is rendered inoperative when the clutch is engaged and said shaft and sleeve are connected thereby in driving relation, and said transmission is rendered operative only when said clutch is disengaged.

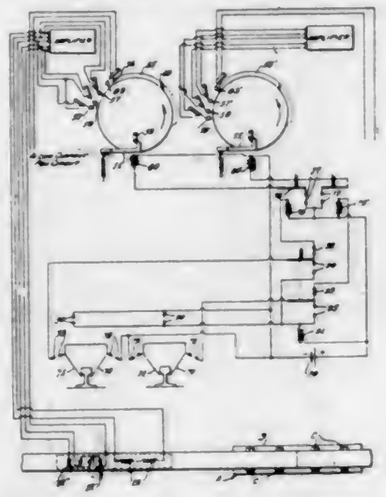


2,409,552
AIRCRAFT PROPULSION DEVICE
Maurice L. Donnellan, Ypsilanti, Mich.
Application May 27, 1943, Serial No. 488,763
2 Claims. (Cl. 244—63)



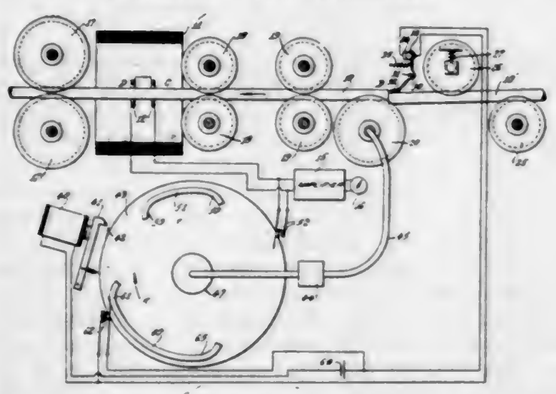
1. A take-off device to assist in the horizontal take-off movement of airplanes and comprising in combination a frame, a plurality of power driven wheels, a steerable wheel, a steering arm attached to said device for steering said steerable wheel, a power head, and a power source, means for selectively driving said power driven wheels and said power head from said power source, means for effecting a positive driving connection between said power head and a landing wheel of an airplane, and comprising a power driven toothed gear member driven by the power source and meshed in driving relation with gear tooth members provided on the landing wheel of an airplane, and quick detachable means for selectively coupling and uncoupling said steering arm and the airplane landing gear.

2,409,553
RAIL FLAW DETECTOR MECHANISM
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application April 13, 1943, Serial No. 482,848
14 Claims. (Cl. 175—183)



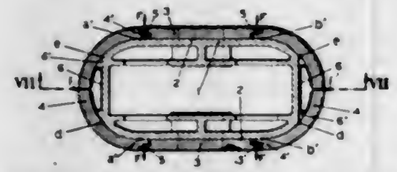
1. In a rail fissure detector car adapted to move over the rails for detecting rail flaws, flaw indicating mechanism, means responsive to flaw and adapted to actuate said indicating mechanism, said rails having joints, said flaw responsive means responding also to joints, a second means responsive to joints and adapted to cooperate with said joints before said flaw responsive means is in a position to be affected by said joints, a rotatable member normally held against rotation, means whereby said second responsive means causes rotation of said member in response to a joint, and means whereby said member renders said flaw responsive means ineffective to actuate said indicating mechanism during a predetermined angular rotation of said member, said last named means comprising a cam carried by said member, a switch positioned in the path of said cam to be actuated thereby, and means whereby the position of the switch with respect to the leading edge of the cam may be varied to vary the length of rail in advance of the joint which remains untested.

2,409,554
FLAW DETECTOR FOR TUBING
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application June 16, 1944, Serial No. 540,674
4 Claims. (Cl. 175—183)



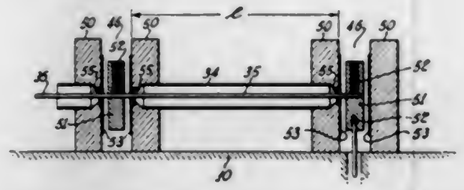
1. In a flaw detector mechanism for tubing, said mechanism comprising means for energizing the tube with flux, means responsive to variations in flux in the tube, and indicating means adopted to be actuated by variations in the responsive means, the ends of the tube causing flux variations similar to those caused by a flaw, means for moving the tubes through the detector mechanism with the ends of adjacent tubes in contact to form a closed joint whereby the region of end effect is reduced, means for rendering the indicating means ineffective during the passage of said joint past the flaw responsive means, means for maintaining the adjacent end of one of the tubes at a joint initially out of alignment, means for moving said last-named end into alignment, and means actuated by said last-named end when moving into alignment for rendering effective the means for rendering the indicating means ineffective during the passage of the joint past the flaw responsive means.

2,409,555
PISTON ENGINE
Eugène Marius Gadoux, Cormeilles-en-Parisis, and Jacques Fouré, Paris, France
Application June 15, 1945, Serial No. 599,577
In France February 2, 1945
2 Claims. (Cl. 309—4)



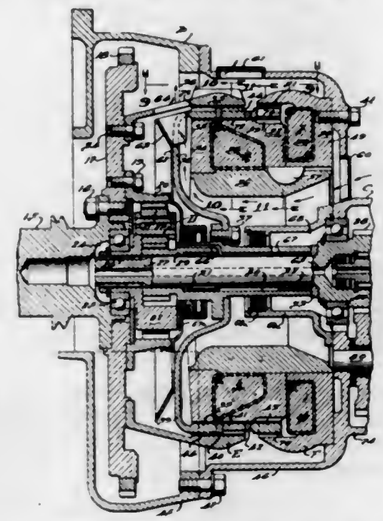
2. In a piston, the provision of an elongated grooved piston, a cylinder of corresponding shape inside which said piston is adapted to reciprocate and a plurality of fluidtight superposed packing-rings fitting inside the grooves of the pistons and constituted by two rectilinear bars, two semi-circular elements engaging said bars through their terminal heels for forming a closed structure and springs urging the semi-circular elements outwardly.

2,409,556
FILTER
Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 12, 1942, Serial No. 461,715
10 Claims. (Cl. 178—44)



1. A band rejection filter including a coaxial transmission line having an inner conductor and an outer shell, said outer shell being divided into sections, parallel conductive plates arranged in pairs connected to adjacent ends of each of said sections and a conductive disc between each of said pairs of plates and connected to said inner conductor, the capacity between said conductive plates and said disc being so large as to present an extremely low reactance to the band of frequencies to be rejected, the space between said conductive plates being such as to present a high impedance to the band of frequencies to be rejected.

2,409,557
POWER TRANSMISSION
Henry W. Gilfillan, Detroit, and Edgar L. Bailey, Birmingham, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application September 20, 1940, Serial No. 357,528. Divided and this application January 1, 1942, Serial No. 425,292
18 Claims. (Cl. 192—13)

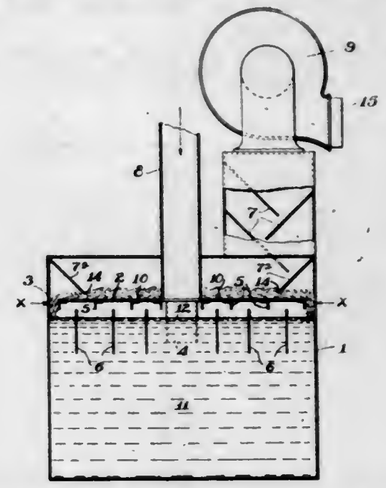


1. In a motor vehicle having an engine, a drive shaft driven by the engine and a driven shaft, means for coupling said shafts together for driving the vehicle comprising an annular member rotatable with said drive shaft and having a cylindrical iron portion; a second annular member rotatable with said driven shaft and having a cylindrical iron portion; means for inducing flow of eddy currents in at least one of said iron portions of said annular iron members during relative rotation thereof of such strength and direction that said relative rotation is opposed, comprising a stationary core having axially spaced cylindrical pole faces disposed in close radial proximity to and surrounded by said iron portion of one of said annular members and also in substantially radial alignment with the iron portion of the other member such that magnetic flux enters said surrounding iron portions from one of said cylindrical pole faces and returns from said surrounding iron portions to the other of said pole faces, and means for exciting said core.

2,409,558
TREATMENT OF GAS
Robert D. Gunn, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 27, 1942, Serial No. 463,461
9 Claims. (Cl. 183—24)

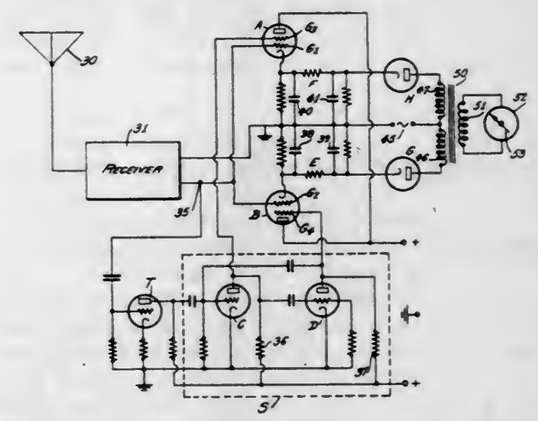
1. A method of separating solids from gas containing the same which includes creating an enclosed gas stream, deflecting at least a portion of said stream against the free surface of a liquid body and thereafter passing said stream through and in contact with a flowing layer of liquid in a path divergent to the direction of flow of said layer.

7. In a gas treating device, a lower compartment, a body of liquid disposed in said compartment and having a free liquid surface which in operative position forms with the compartment walls a gas passage, means disposed in said passage to deflect gas against said free liquid surface, a gas delivery port communicating with said passage, an upper chamber communicating with said compartment and said passage, means for continuously displacing a portion of said body of liquid to said upper chamber and means for continuously returning said displaced liquid to said body of liquid whereby a layer of flowing liquid is formed and maintained in the lower level of the upper chamber, a discharge port in the upper



levels of said chamber in communication with the space above said layer, means for causing flow of gas from the delivery port through said gas passage into said upper chamber and through said discharge port and means disposed in the path of gas flow to cause said gas to pass into and through said liquid layer after it has left said passage and before it has reached said discharge port.

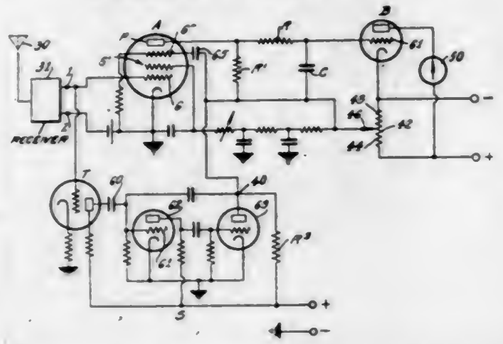
2,409,559
DATA TRANSMITTER
Norman L. Haight, Hoboken, N. J., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application April 10, 1943, Serial No. 482,583
2 Claims. (Cl. 177—351)



1. A system for transmitting the relative values of a pair of impedances, comprising means for generating a carrier, means whereby said impedances alternately modulate the carrier corresponding to the values of said impedances, means for transforming the carrier into the modulation components, a pair of opposed condenser circuits, means whereby the modulation components corresponding to said impedances charge the respective condenser circuits to generate a differential current, whereby the magnitude of the differential current will depend upon the differences in magnitude between the respective impedances and the direction of the differential current will

depend upon the predominance of one or the other of said impedances, and means responsive to the magnitude and direction of said differential current.

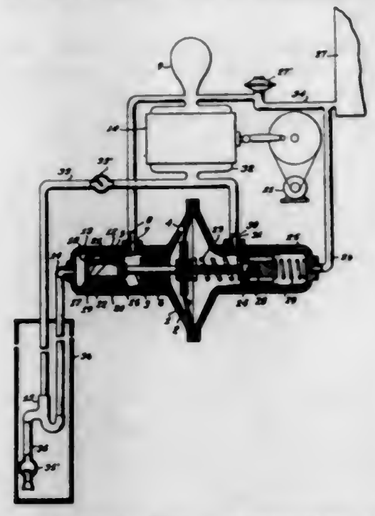
2,409,560
DATA TRANSMITTER
Norman L. Haight, Hoboken, N. J., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application January 18, 1944, Serial No. 518,770
4 Claims. (Cl. 177—351)



1. A system for transmitting the relative values of a pair of impedances, comprising a circuit including said impedances and a source of energy, means for generating a carrier, means whereby the voltage drop across said impedances alternately modulates said carrier so that the average modulation increases continuously from minimum to maximum as one impedance increases from zero to maximum while the other impedance correspondingly decreases from maximum to zero, means for transforming the carrier into the modulation components, means responsive to the peak values of said modulation components, indicating means actuated by the output from said responsive means, means whereby said indicating means is caused to give a predetermined indication when there is a predetermined output from said responsive means corresponding to a predetermined relationship of said impedances and whereby said indicating means is caused to be actuated in one direction or the other in response to change in one direction or the other, respectively, in said predetermined relationship.

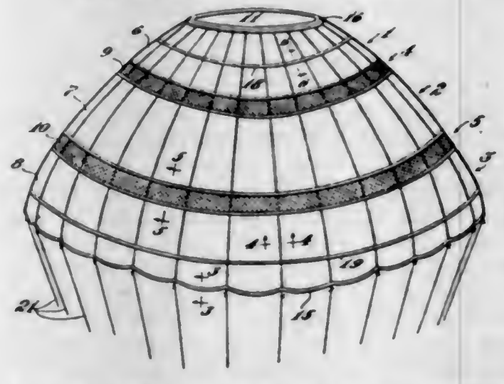
2,409,561
AUTOMATIC CONTROL VALVE FOR JET PUMPS
Thaddeus S. Harris, Waverly, Ill.
Application February 19, 1945, Serial No. 578,590
5 Claims. (Cl. 103—5)

1. In a jet type deep well pumping plant, the combination of a suction type force pump, means for operating said pump, a storage tank, a discharge passage from said pump to said tank, a pressure control valve in said discharge passage, an intake pipe extended downwardly from said pump, a jet booster unit connected to said pipe, an automatic control unit, said unit comprising a diaphragm chamber, a diaphragm across said chamber, one side of said diaphragm being open to atmospheric pressure, a push spring disposed against said diaphragm in the closed side of said diaphragm chamber, two ports from this side of said diaphragm chamber, one of said ports being connected by a pipe to said intake pipe at a point near the pump, the remaining port being connected by a pipe to said storage tank, a valve disposed to control this port, said valve being operably connected with said diaphragm; a valve chamber fixed to that side of diaphragm chamber that is open to atmospheric pressure, an intake port into said valve chamber, said port being connected by a pipe to said discharge passage near the pump, a discharge port from said valve



chamber, said port being connected by a pipe to the jet of said jet unit, a valve controlling said discharge port, said valve being operably connected to said diaphragm.

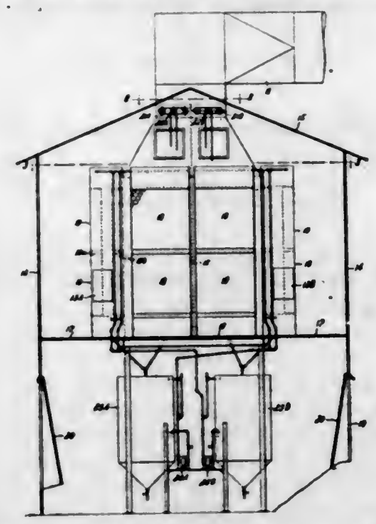
2,409,562
PAPER PARACHUTE
Dana B. Hastings, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application December 4, 1943, Serial No. 512,864
5 Claims. (Cl. 244—145)



1. A parachute comprising an approximately hemispheroidal canopy having a plurality of circumferential sections of crepe paper and a circumferential section of open mesh fabric interposed between the crepe paper sections, the ratio of the open mesh material to crepe paper being high enough substantially to vent the canopy, each paper section consisting of a plurality of expansible segments having their creping extending radially of said canopy, and a plurality of tapes extending radially and circumferentially of said canopy, said tapes being secured to the margins of said paper segments.

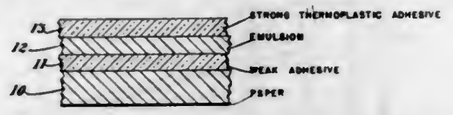
2,409,563
AIR CLEANING PLANT
Carl W. J. Hedberg, Bound Brook, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application February 27, 1945, Serial No. 579,908
6 Claims. (Cl. 183—7)

1. An air cleaner comprising a vertical shaft, a plurality of electrical precipitators forming at least a portion of the vertical walls of the shaft, means closing one end of the shaft, vertical partition members dividing said shaft into a plurality of vertical conduits each having at least



one of said electrical precipitators in an external wall thereof, and means in each of said vertical conduits at the end thereof opposite the closed end for closing said conduit independently of the other of said conduits.

2,409,564
TRANSFER MATERIAL
William Heinecke and Frieda Heinecke, Verona, N. J., assignors to The Di-Noc Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 28, 1941, Serial No. 395,542
7 Claims. (Cl. 95—8)



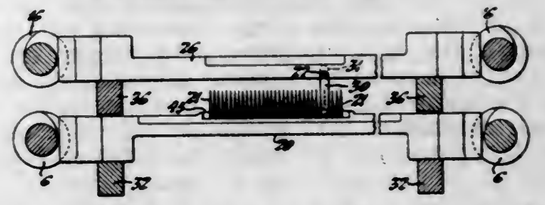
1. A composite transfer sheet comprising in combination a bottom base sheet of paper; a sheet of ethyl cellulose coated on the upper face of said base sheet; a photosensitive layer on the upper face of said sheet of ethyl cellulose, and a top layer of vinyl resin.

2,409,565
GILL BAR OR FALLER FOR GILL-DRAWING MACHINES
Willie Holdsworth, Seekonk, Mass.
Application July 24, 1943, Serial No. 496,029
3 Claims. (Cl. 19—129)



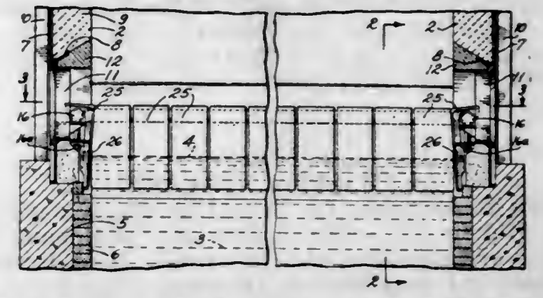
2. A faller for gill-boxes and the like comprising a metal bar having its ends adapted for engagement with the traversing screws of the gill-box, a plurality of toothed units each constructed of plastic material such as a resin or resin derivative molded to form a longitudinally-extending strip-like basal portion with upstanding teeth molded from the same plastic material as said basal portion in one piece therewith, and means integral with the metal bar for fastening several units in abutting relationship along the top of the bar with their teeth projecting thereabove.

2,409,566
MACHINE FOR PRODUCING STAPLE FIBERS FROM SLIVERS COMPOSED OF CONTINUOUS FIBERS
Willie Holdsworth, Seekonk, Mass.
Application July 24, 1943, Serial No. 496,030
9 Claims. (Cl. 19—129)



1. A mechanism for producing staple fibers from a sliver composed of continuous fibers comprising means for continuously feeding the sliver, a plurality of toothed fallers for gilling the fibers, a plurality of relatively narrow rectangular knife-blades projecting vertically in overlying relation to the sliver and means for depressing said knife-blades in sequence at points between adjacent fallers to cause them to cut through relatively small groups of the fibers at intervals staggered therealong.

2,409,567
HOPPER CONSTRUCTION
Ernest L. Hopping, Brookline, Pa.
Application August 28, 1944, Serial No. 551,611
11 Claims. (Cl. 110—171)

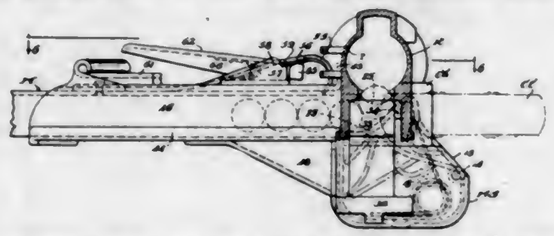


1. A hopper of the submerged type comprising walls defining an open-topped, water-retaining chamber, water pipes disposed along said walls above the normal surface level of water in the chamber and having a plurality of outlets to discharge water toward said chamber and metal plates constituting a lining for said walls and extending from above said pipes to below the normal surface level of water in the chamber, said plates being arranged side by side with small vertical spaces therebetween and so positioned relative to the discharge outlets in said pipes that water passing thru said outlets will impinge against the exterior surfaces of said plates near their upper ends.

2,409,568
FIREARM
Melvin M. Johnson, Jr., Brookline, Mass., assignor to Melvin M. Johnson and Melvin M. Johnson, Jr., both of Brookline, and Edward E. Rice, Boston, Mass., as trustees of Johnson Patent Trust of Boston, Mass.
Application March 13, 1941, Serial No. 383,072
7 Claims. (Cl. 42—18)

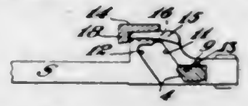
1. A firearm comprising a receiver having a bolt chamber for a recoiling bolt, a cartridge magazine, a magazine support for detachably holding the magazine in position to deliver cartridges along a passageway leading from one side of the receiver to an outlet adjacent the path

of the bolt, a spring-pressed follower for advancing the cartridges along said passageway to said outlet, the receiver having a loading opening in the other side thereof in alignment with said passageway through which cartridges may be loaded into the magazine along a path passing through the receiver past the bolt chamber tangentially, without first retracting the spring-pressed follower and without passing cartridges through the bolt chamber, and means on the magazine support for closing said loading opening, the magazine having an open mouth through which cartridges may enter or leave the magazine lengthwise of the cartridge channel leading



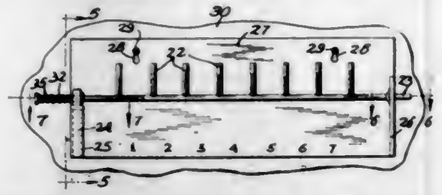
to the mouth, a detent for obstructing said mouth when the magazine is removed from the support to prevent the cartridges from being ejected by said follower through the open mouth, and a door pivotally mounted to swing into the magazine support in response to pressure on its outer surface to permit the magazine to be loaded through the magazine support, the door having an inner surface inclined to said outer surface for guiding cartridges along said passageway toward the outlet adjacent the path of the bolt, whereby the magazine may be loaded either before or after it is attached to the support by pushing cartridges through said mouth lengthwise of said channel.

2,409,569
AUTOMATIC FIREARM
Melvin M. Johnson, Jr., Brookline, Mass., assignor to Melvin M. Johnson and said Johnson, Jr., both of Brookline, and Edward E. Rice, Boston, Mass., as trustees of Johnson Patent Trust, Boston, Mass.
Application May 13, 1943, Serial No. 486,782
4 Claims. (Cl. 42—3)



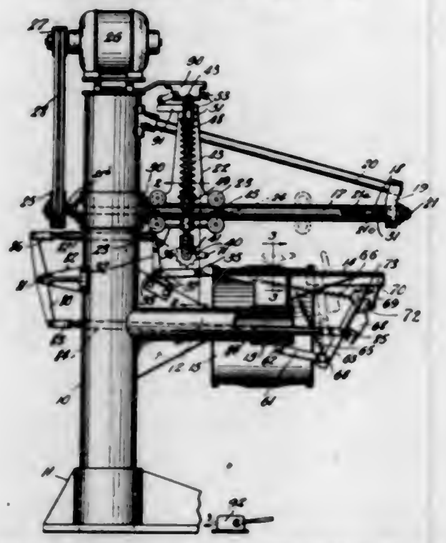
1. An automatic firearm comprising a receiver, a reciprocating breech bolt having one or more locking lugs engageable in front of abutments on the receiver to transmit the breech pressure to the receiver, the bolt being rotatable to remove the lugs from their locking positions in front of the abutments, the abutting surfaces of said lugs and abutments being inclined to the direction of breech pressure so that the breech pressure tends to produce unlocking rotation of the bolt, a slide for controlling the movement of the bolt, the slide being movable in unlocking direction in response to the discharge of the firearm, and a spring for moving the slide in locking direction, the slide having an abutment surface which obstructs said unlocking rotation of the bolt until the slide has moved a predetermined distance from firing position in said unlocking direction, the slide having a cam surface for camming the locking lugs out of locking position after the slide has moved said predetermined distance from firing position, and the slide also having a cam surface for camming the locking lugs into locking position near the end of the movement of the slide in said locking direction.

2,409,570
TIE RACK
Tobias Kramer, Brooklyn, N. Y.
Application June 30, 1944, Serial No. 542,871
5 Claims. (Cl. 211—96)



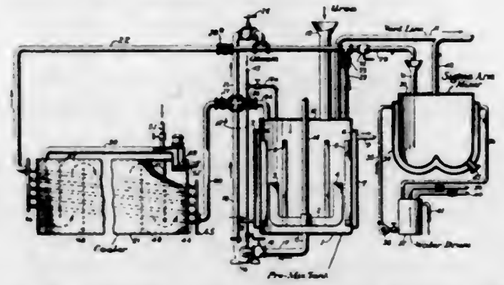
1. A tie rack, comprising a horizontal tie rack bar having vertical pins intermediate of its ends and a loop portion at its outer end, a vertical stem having a square horizontal socket, a shank connected with the inner end of said bar and having a square section slidably engaging said socket and also having an adjacent round section, a support lug turnably supporting said stem, another support lug having means for releasably holding said loop portion of said bar and having a noncircular recess, resilient means for urging said shank laterally for normally engaging said square section in said socket and said loop portion in said recess.

2,409,571
APPARATUS FOR SPLICING RUBBERLIKE MATERIAL
Charles W. Leguillon, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 29, 1942, Serial No. 440,928
1 Claim. (Cl. 154—10)



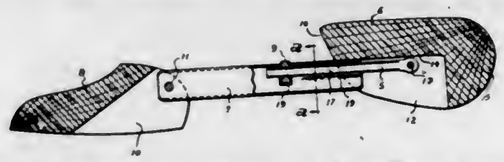
Apparatus for treating unvulcanized rubber-like tread material to effect a union of a splice throughout the depth of the splice, said apparatus comprising means for supporting the material along the splice, a carriage adapted to be moved back and forth along the splice, a splice-treating roller rotatably mounted on the carriage in position to engage the material at the splice, means for pressing the roller against the material along the splice during its oscillating movement, said roller having alternate axially disposed ribs and grooves on its face for kneading the material deeply and progressively along the splice, means in the path of said carriage for locating the spliced material, and means for withdrawing said locating means from contact with said roller as the roller approaches said locating means.

2,409,572
MANUFACTURE OF SULFAMIC ACID
James W. Leonard, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 6, 1943, Serial No. 509,213
5 Claims. (Cl. 23—166)



5. In a process for the manufacture of sulfamic acid, the steps comprising bringing together as reactants urea and oleum of at least 45% and not more than 50% strength in proportions to supply substantially one mole of sulfuric acid for each mole of urea to form a liquid in a main body of liquid which has been similarly formed from said reactants in said proportions by cooling to suppress the formation of sulfamic acid, the rate of addition of the reactants to said main body of liquid being regulated to keep the temperature of said main body of liquid below about 100° F. thereby suppressing the formation of sulfamic acid, withdrawing a portion of the main body of liquid, cooling said portion, and returning said portion to said main body of liquid, the rate of withdrawal and the degree of cooling being such that said body of liquid is maintained in a continuous liquid phase at a temperature above about 96° F., and withdrawing another portion of said body of liquid and heating to convert the last said portion to sulfamic acid.

2,409,573
SHOE TREE
Albert F. Levaggi, Brockton, Mass., assignor to Robert Channing Company, East Bridgewater, Mass., a corporation of Massachusetts
Application February 10, 1945, Serial No. 577,179
3 Claims. (Cl. 12—128.6)

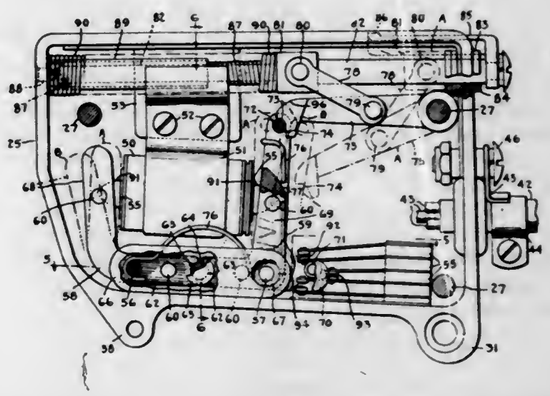


1. A shoe tree comprising a fore part having a slot through its rear face, a rear part having a slot establishing a chamber opening through its front and bottom faces and establishing a shoulder and connecting means for said fore and rear parts, said connecting means comprising a threaded element pivotally connected at one end to said rear part within said chamber, a member pivotally connected at one end to said forepart within said slot, said member slidably supporting the other end of said element and having a slot intersecting the path of said element, and a nut in said slot threaded on said element to permit said device to be extended or shortened to effect the desired adjustment of the shoe tree, said rear part and said connecting means constituting a toggle for extending or shortening said shoe tree into operative and inoperative positions, and said shoulder and said member being in engagement when said shoe tree is in an operative position.

2,409,574
LUMINESCENT MATERIAL AND METHOD OF MANUFACTURE
Humboldt W. Leverenz, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application June 11, 1942, Serial No. 446,626
9 Claims. (Cl. 252—301.6)

1. A luminescent phosphor essentially consisting of a thermally crystallized combination of a sulphide and fluoride of a metal selected from the group of metals consisting of zinc and cadmium wherein the fluoride is between 0.1% and 15% by weight based on the weight of said sulphide.

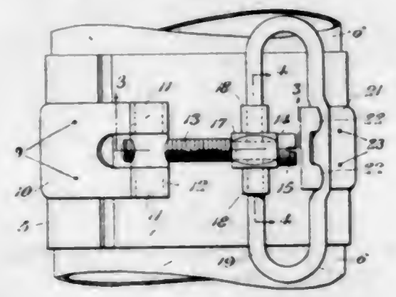
2,409,575
BOMB RELEASING SHACKLE
Roscoe I. Markey, Montclair, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey
Application July 7, 1944, Serial No. 543,886
11 Claims. (Cl. 89—1.5)



1. A control unit for housing the electrical mechanism for operating a bomb releasing shackle, said control unit having in combination, a casing, an electro-magnet mounted in said casing, a pair of statically balanced bell crank levers pivoted in said casing, one of the arms of each of said statically balanced levers functioning as armatures for said electro-magnet means between the other arms of said statically balanced levers for causing them to move in unison with each other, and means releasable by one of said arms of one of said statically balanced levers for releasing the bomb holding mechanism of said shackle when said magnet is energized.

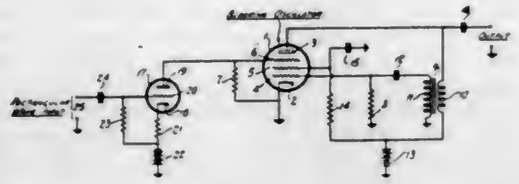
7. A control unit for housing the electrical mechanism for operating a bomb releasing shackle, said control unit having in combination, a casing, an electro-magnet mounted in said casing, a pair of statically balanced bell crank levers pivoted in said casing, one of the arms of each of said statically balanced levers functioning as an armature for said electro-magnet, means interposed between the adjacent ends of the other arms of said statically balanced levers to cause said levers to move in unison with each other, a pair of normally closed switches and a normally open switch mounted in said casing, means carried by one of said statically balanced levers for opening said normally closed switches and closing said normally open switch, and means releasable by one of the first mentioned arms of one of said statically balanced levers for releasing the bomb holding mechanism of said shackle when said magnet is energized.

2,409,576
JOINT BAND FOR EXHAUST MANIFOLD SYSTEMS
Roscoe I. Markey, Montclair, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey
Application October 28, 1944, Serial No. 560,871
4 Claims. (Cl. 24—19)



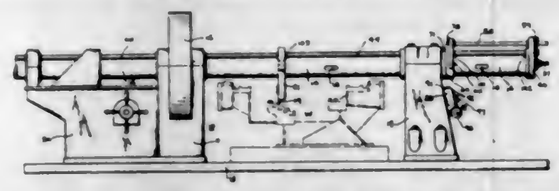
4. In a device of the character described, the combination of a split clamping member, a pivot pin mounted on one end of said split clamping member, a cap screw threaded into said pivot pin, flats on said cap screw adjacent the head thereof, a block through which said cap screw freely passes, a resilient ring-like locking member having its ends mounted in said block, and ears carried by the other end of said split clamping member and over which said locking member takes when the parts are in their locked position, the rotation of said cap screw being adapted to relieve excessive pressure on the locking ring when the parts are moved from the locked position to the release position or vice versa, and the ends of said locking ring engaging said flats on said cap screw to prevent normal rotation of said cap screw.

2,409,577
SYNCHRONIZED BLOCKING OSCILLATOR
Leslie E. Matson, Jr., Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 3, 1943, Serial No. 512,681
5 Claims. (Cl. 250—36)



1. In a device of the class described, an oscillation generator comprising a discharge tube having a cathode, an anode, and at least two grids, resonant circuit means connected to the cathode, anode, and first grid for producing oscillations, and a keying circuit for at times blocking said oscillations, said keying circuit comprising a second discharge tube having at least a cathode, an anode and a control grid, the anode whereof is directly connected to a grid of the oscillator tube adjacent its anode, an input circuit connected between the cathode and control grid of said second discharge tube, and an output circuit for the second discharge tube including a direct current source the positive terminal of which is maintained at the cathode potential of the first said tube, a fixed resistor being interposed between said positive terminal and the anode of the second discharge tube.

2,409,578
BORING MACHINE
Andrew Joseph McDonald, Philadelphia, Pa.
Application December 20, 1944, Serial No. 568,946
3 Claims. (Cl. 90—24)



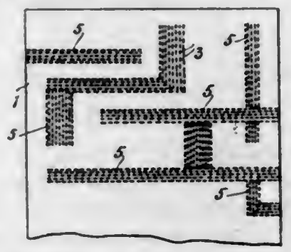
1. Apparatus of the character described comprising a pair of spaced pedestals, a hollow bar rotatably and slidably supported in horizontal position by said pedestals, a cutter head secured on said bar and including a radially-movable cutting tool, a wedge axially movable in the bore of the hollow bar and adapted when so moved to move the cutting tool radially, an end plate secured to one terminal portion of the bar, a rod secured at one end to the wedge and having its other end externally threaded and extending through and beyond said end plate, a train of meshing gears mounted on said end plate and including a driving gear having an axial bore and a driven gear having a threaded bore threadedly receiving the threaded end of the rod, a star-supporting ring secured on the bar adjacent the pedestal nearest the end plate and having a bore therein axially aligned with the bore of the driving gear, a shaft mounted in said axially-aligned bores, a star fixedly secured on said shaft, and a kicker mounted on the last-mentioned pedestal for engaging and rotating the star responsive to rotation of the bar, the shaft being rotatably and non-slidably mounted in the bore of the star-supporting ring and being slidably and non-rotatably mounted in the bore of the driving gear, whereby rotation of the star upon contact thereof with the kicker will actuate the wedge-moving rod regardless of axial adjustments of the hollow bar relative to the pedestal-supported kicker.

2,409,579
COMPOSITE ELECTRODE
Archibald F. Meston, Bound Brook, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application June 16, 1944, Serial No. 540,609
11 Claims. (Cl. 183—7)



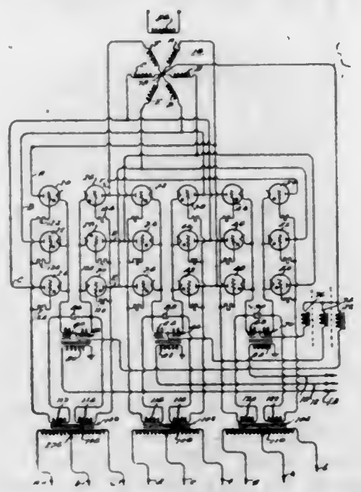
1. In an electrical treater including complementary discharge and collecting electrodes, a discharge electrode comprising an extended surface member including a surface portion depressed below the level of adjacent surface portions to provide a concavity in said extended surface member, and attenuated discharge elements positioned in said concavity wholly below the level of said adjacent surface portions.

2,409,580
RUG
Lillian M. Mosseller, New York, N. Y.
Application July 27, 1945, Serial No. 607,444
3 Claims. (Cl. 2—278)



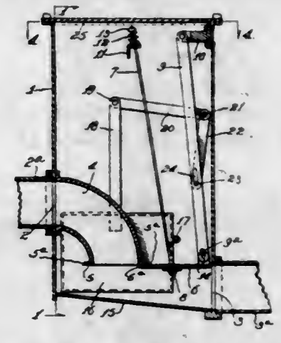
1. In a hooked rug, a base fabric, a pattern formed thereon by loops inserted therethrough, said loops arising from one face of the base fabric a second pattern formed on the opposite face of the base fabric by loops inserted through the base fabric and arising from the last-mentioned face thereof whereby the base fabric carries a pattern formed of loops on each of its faces, the pattern on one face being located in areas situated between the pattern elements on the other face.

2,409,581
ELECTRICAL CONTROL SYSTEM
Paul T. Nims and Omer E. Bowlus, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 30, 1944, Serial No. 565,956
16 Claims. (Cl. 172—281)



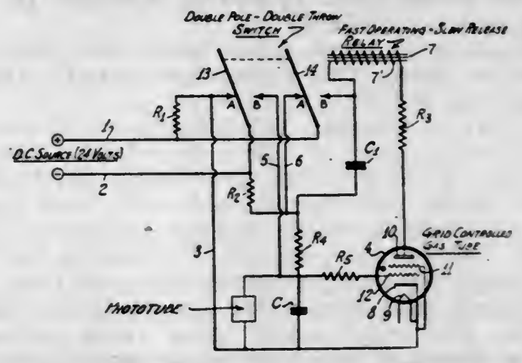
9. In a system for delivering multiphase alternating current energy to a load circuit from a source of alternating current energy having a plurality of phases, a plurality of translating units each individual to a corresponding phase of said load circuit, each unit comprising electric valve means defining a plurality of discharge paths the anodes whereof are connected to corresponding terminals of corresponding ones of said phases and additional electric valve means defining a plurality of discharge paths the anodes whereof are connected to corresponding ones of said phases, translating means for each unit connected between the cathodes of each of the valve means of the respective unit and another terminal of each of the phases which are connected to the anodes of the valve means of the respective unit and, current flow in each valve means tending to cause current flow in a corresponding direction in the corresponding translating means, control means for each of said units operable to alternately render the valve means conductive, and means coupling the load circuit of each unit to the respective translating means so that successive current impulses passed by the respective valve means cause current flow in respectively opposite directions in the respective load circuits, and timing means for actuating each of said control means in predetermined phase relation to each other.

2,409,582
BACKWATER VALVE
Samuel Olson, Chicago, Ill.
Application October 26, 1944, Serial No. 560,444
6 Claims. (Cl. 182—1)



1. In combination with a sewer drain conduit, a chamber interposed therein having an inlet and an outlet, the inlet entering the chamber above the level of the outlet and terminating in an elbow discharging downwardly in the chamber through a downwardly facing valve seat, a normally open valve disposed out of the path of flow when in open position, said valve being slidable across said seat to close the inlet against backflow, and a float in the chamber with means connecting said float to said valve for sliding it to closing position over the seat in response to a rise of liquid in the chamber above a predetermined level.

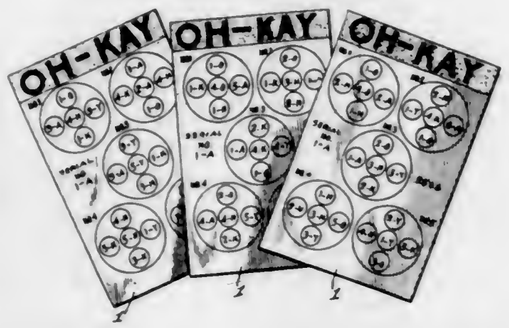
2,409,583
VOLTAGE DOUBLER AND TIMER CIRCUIT
Theodore B. Perkins, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 25, 1942, Serial No. 466,899
1 Claim. (Cl. 315—226)



In combination with a source of direct current of relatively low voltage value, a pair of condensers, a double-pole double-throw switch, said switch

in a first position thereof separately connecting said condensers to said source to charge them, a thyratron tube provided with at least an electron emitter, a control grid and plate, means connecting one of the charged condensers between the control grid and emitter in a manner to charge the control grid negative relative to the emitter, means connecting the second charged condenser in a circuit for applying a positive voltage to said plate, said last circuit including said switch in the second position thereof which connects said current source and second charged condenser in additive relation whereby a positive voltage is applied to the plate which is substantially higher than said low voltage value, said switch in its said second position connecting said first charged condenser to said direct current source in a sense to reduce the negative charge on the control grid, and means in circuit with said plate for automatically actuating said switch to said first position in response to firing of said thyratron tube thereby to recharge said two condensers.

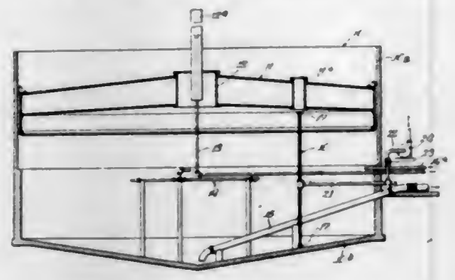
2,409,584
CARD GAME
William Wilson Peterman, Wilkes-Barre, Pa.
Application June 7, 1945, Serial No. 598,124
1 Claim. (Cl. 273—135)



As a new article of manufacture, a card game comprising a series of playing cards, each card being provided with two upper large circles and two lower large circles and a central large circle, each large circle being provided therein with five small circles, a numeral and a character in each small circle, and said card provided outside of each large circle and contiguous thereto with a designating numeral, substantially as shown and described.

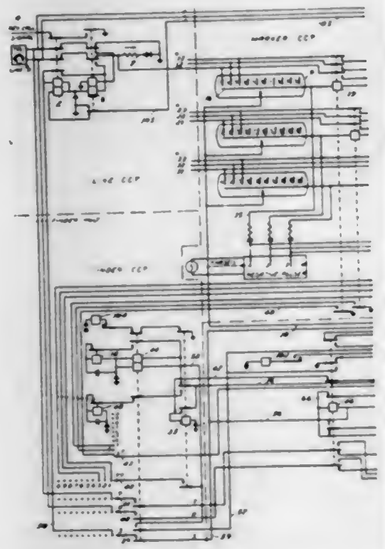
2,409,585
SUPERNATANT SELECTOR DEVICE FOR SLUDGE DIGESTION TANKS
William M. Piatt, Durham, N. C., assignor to Pacific Flush Tank Company, Chicago, Ill., a corporation of Illinois
Continuation of application Serial No. 439,188, April 16, 1942. This application July 21, 1945, Serial No. 606,412
3 Claims. (Cl. 210—2)

1. In structure of the class described, a closed tank free of obstructions preventing horizontal flow of liquid material in said tank, said tank being adapted to receive sewage sludge for digestion thereof and without mechanical agitation, means for passing sludge into said tank to be digested, and means for automatically discharging the supernatant liquor from varying levels at which it may accumulate and substantially free of suspended solids, including a tubular member disposed vertically in said tank and extending from near the top thereof downwardly through at least the upper half of said tank, said member being provided with elongated slots of a width varying from $\frac{1}{16}$" to $\frac{3}{8}$", said slots being located both circumferentially around and longitudinally of said member whereby supernatant liquor at varying levels in said tank which



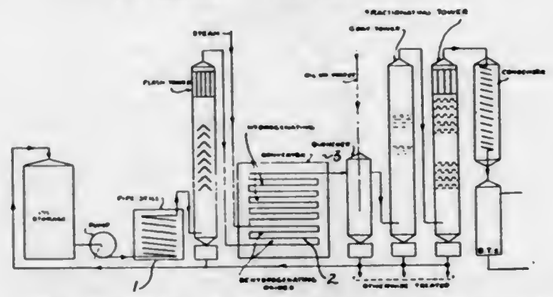
is freed sufficiently of suspended solids to pass through said slots will pass into said tubular member, and means including a generally horizontal closed conduit connected to said tubular member between its ends for discharging the liquor from said tubular member to a point of disposal.

2,409,586
AUTOMATIC TELEPHONE SYSTEM
Winfred T. Powell, Rochester, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application August 24, 1944, Serial No. 551,003
12 Claims. (Cl. 179—18)



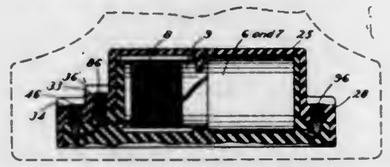
1. In a telephone system, a plurality of incoming lines, a plurality of outgoing lines, automatic switching means for interconnecting said lines, said incoming lines being arranged in primary sets according to one grouping, said incoming lines being arranged in secondary sets according to another grouping with only one incoming line common to a given primary set and to a given secondary set, a primary relay individual to each primary set of lines and a secondary relay individual to each secondary set of lines, and electrical discharge means actuated under the control of any given one of said incoming lines for operating the primary relay and the secondary relay individual to the two sets of lines including said given incoming line, said last-mentioned primary relay and secondary relay governing the operation of said switching means to interconnect said given incoming line to an outgoing line.

2,409,587
COMBINATION HYDROCARBON DEHYDROGENATION AND HYDROGENATION PROCESS
Alexander S. Ramage, Detroit, Mich., assignor to Albert A. F. Maxwell, Detroit, Mich., as trustee
Application August 25, 1944, Serial No. 551,265
9 Claims. (Cl. 260—673)



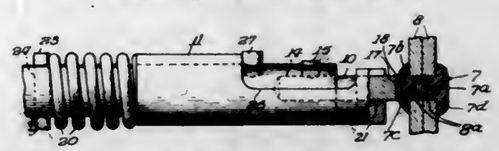
1. The process of transforming hydrocarbons into other hydrocarbons relatively poorer in hydrogen, which consists in bringing the hydrocarbon to be transformed in a state of vapor substantially unmixed with reactive oxygen, into contact with a mixture of molybdenum oxide, chromium oxide, and ferric oxide and vanadium pentoxide, and so regulating the temperature of the oxide mixture and vapor between about 800° F. and about 1100° F. so as to oxidize a part only of the hydrogen component of the hydrocarbon producing thereby as reaction products hydrocarbons comprising principally aromatics and lesser quantities of other unsaturated hydrocarbons relatively poorer in hydrogen, and steam.

2,409,588
TELEPHONE SUBSTATION APPARATUS
Leland A. Reed, Rochester, N. Y., assignor to The Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application June 27, 1944, Serial No. 542,344
4 Claims. (Cl. 179—100)



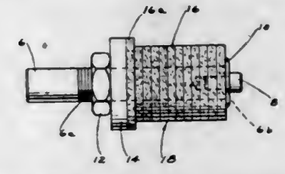
1. Telephone substation apparatus comprising a transmitter, a receiver, a hook-switch and a ringer, electrical components connectible with said transmitter and receiver, a receptacle having an offset portion defining a shoulder with a surface generally parallel to the bottom of the receptacle at each end thereof, a plurality of terminals mounted in each shoulder to extend in a direction generally perpendicular to the surface of said shoulder, each terminal having an external end accessible from the outside of the receptacle at the mentioned surface of its related shoulder and having its inner end terminating within the receptacle, said electrical components including an induction coil with its several windings and a capacitor contained within the receptacle, conductors within said receptacle electrically connecting said units with one another and with the inner ends of said terminals, a fusible compound in the receptacle sealing said conductors and said components therein, certain of said external terminals being connectible to the two sides of a telephone line, certain others of said external terminals being electrically connected to said transmitter, said receiver and said ringer.

2,409,589
RIVET REMOVING DEVICE
Harry D. Rocheville, Los Angeles, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application August 29, 1945, Serial No. 613,378
6 Claims. (Cl. 164—94)



1. A device adapted in conjunction with a rivet gun to remove a head-equipped rivet from a plurality of abutting plates with registering circular holes therethrough for the shank of the rivet, and comprising an elongated arbor having one end thereof shaped to fit within the nozzle of the rivet gun and extend into the path of the gun hammer and provided with means for yieldingly holding it in connected relation with the gun nozzle, and a cylindrical cutting tool of less diameter than the holes in the plates, connected to the other end of the arbor, extending lengthwise of said arbor, having in its outer end face a concentric annular groove defining outwards thereof an annular cutting edge for placement against the central portion of the head of the rivet, and adapted when said cutting edge is placed in centered relation with the head of the rivet and the arbor is subjected to hammer blows by the gun to sever the outer portion of the rivet head from the rivet shank and eject the shank from the holes in the plate.

2,409,590
WORK HOLDING MEANS
George L. Russell, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application June 21, 1944, Serial No. 541,437
4 Claims. (Cl. 279—2)

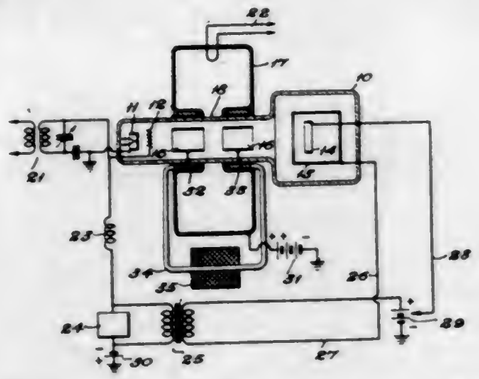


1. A work holding means comprising, in combination, a body having a shank at one end adapted to be secured in a work rotating means, an axially facing annular backing on said body, a plurality of annular work gripping washers supported coaxially in face to face engagement and collectively against said backing, all of said washers being composed of relatively deformable material, and means adjustable on the end of said body opposite said shank to vary the diameter of one peripheral surface of said washers adapted for engagement with the cylindrical surface of a workpiece and thereby to alter the frictional engagement of said washers with said workpiece.

2,409,591
ELECTRON DISCHARGE DEVICE AND CIRCUIT
Bernard Salzberg, Washington, D. C., assignor to Radio Corporation of America, a corporation of Delaware
Application November 11, 1942, Serial No. 465,247
7 Claims. (Cl. 179—171.5)

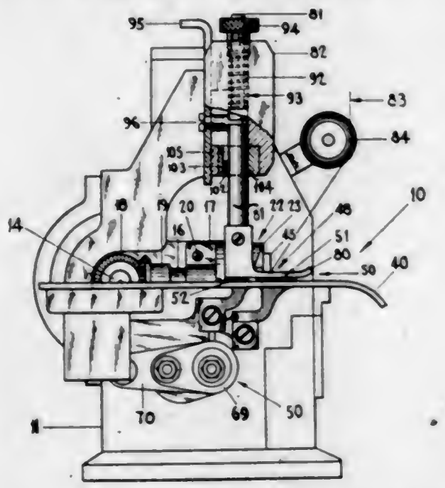
1. An electron discharge device having means for supplying a stream of electrons and a col-

lector for receiving said electrons, electrode means for modulating said stream of electrons, and other electrode means between said modulating electrode means and collector and through



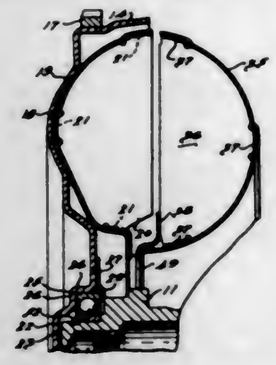
which said stream of electrons passes, and means for applying a modulating voltage on said collector in phase with the voltage on said modulating electrode means.

2,409,592
OVERCASTING SEWING MACHINE
Anthony Sardu, Brooklyn, N. Y.
Application October 2, 1943, Serial No. 504,787
1 Claim. (Cl. 112—172)



In a sewing machine having a stationary frame, a needle shaft, a horizontally positioned work supporting base fixed to said frame and in line with the axis of said needle shaft, a rotatable needle in the form of a semi-circular arc and having a threading passageway in a portion of its arcuate body, and an opening at each end of said passageway, permitting passage of a thread through said passageway, means for causing rotation of said needle, a needle plate positioned parallel with said needle shaft and having a tongue projecting therefrom, said needle being movable between said tongue and the body of said needle plate, said needle plate being adapted to support fabric thereon in a horizontal position, resiliently contacting thread tension disks mounted above said work supporting base, a stationary threading door mounted on said frame in spaced relation from said needle and in parallel relation with the plane of rotation of said needle, said door having a threading aperture in alinement with the axis of said needle, said axially alined door aperture permitting a continuous supply of thread to be fed to said needle in a conical orbit during rotation of said needle.

2,409,593
FLUID COUPLING
Lee C. Sassmanhausen, Grosse Pointe Woods, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 10, 1944, Serial No. 530,418
4 Claims. (Cl. 60—54)



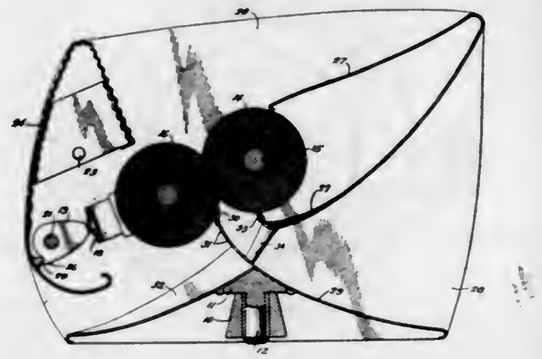
1. A fluid coupling including vaned impeller and runner structures, an annular casing for said structures including a segment having an annular disk-shaped part drivingly secured to the impeller vanes and an annular bearing seat disposed radially inwardly from said dish-shaped part, a hub mounting said runner structure extending into said casing at said bearing seat, bearing means engaged with said seat journalling said hub in said casing, a retainer engaging said bearing means for preventing unintended axial displacement thereof relative to said seat in one direction axially and adapted to be secured to said segment, said hub and said runner structure including cooperating generally radially disposed attaching portions having registering openings therein for accommodating insertion of a tool therethrough for securing said retainer to said segment when said bearing means is in said seat and said hub is journalled therein.

2,409,594
METHOD OF FORMING PEDAL APPLIANCES
Louis H. Sherman, Camden, N. J.
Application July 11, 1944, Serial No. 544,413
4 Claims. (Cl. 12—146)



2. The method of forming a corrective plantar foot appliance suitable for use in a shoe and made in part from a supple sheet material capable of being shaped and of becoming relatively permanently set in shape in the course of time when treated with an activator, said method comprising adhering to the plantar region of a foot requiring correction the first of two substantially similarly shaped sheets of said material, adhering to said first sheet one or more requisite corrective members at points where correction is needed, treating the exposed parts of said first sheet with said activator, treating the second one of said two sheets with said activator, applying said second sheet over said corrective members and said first sheet and causing said two sheets and said members to adhere to each other as a unit to ultimately constitute the appliance, shaping said sheets while still supple to the contour of said region, placing said shoe on said foot while said unit remains adhered to said foot and while said sheets are still supple, and effecting pressure between said foot and said shoe whereby to cause said appliance to conform to the contours of both said foot and said shoe, said pressure being maintained for a period of time sufficient for said sheets to become substantially set in said contours under the influence of said activator.

2,409,595
WRINGER
Robert W. Shield, Chicago, Ill.
Application January 7, 1944, Serial No. 517,355
10 Claims. (Cl. 68—262)

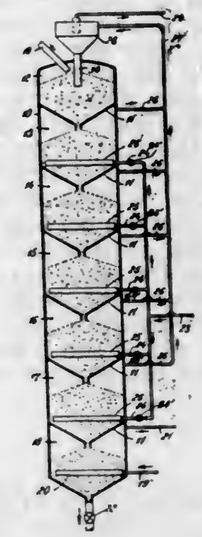


1. A wringer comprising a frame, a pair of rolls rotatably mounted on the frame, means including a latch to urge the rolls together, a guard plate movably mounted on the frame above the rolls over which material is fed to pass downwardly into the rolls, and a connection between the guard plate and the latch to release the latch upon a predetermined movement of the guard plate.

2,409,596
METHOD AND APPARATUS FOR REACTIONS IN A CONTACT MASS
Thomas P. Simpson, John W. Payne, and Louis P. Evans, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 17, 1942, Serial No. 447,431
12 Claims. (Cl. 196—52)

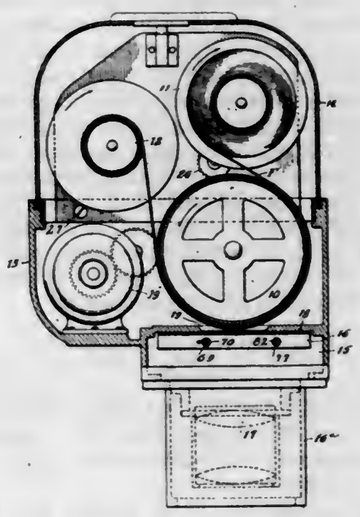
1. In a contacting apparatus, means defining a substantially vertical chamber, a plurality of substantially horizontal deflectors each comprising means defining an inverted trough, said deflectors being arranged in a plurality of substantially parallel vertical series, means to admit fluid to the under side of deflectors of alternate series and means to withdraw fluid from under the deflectors of each other series, the vertical distance between successively lower deflectors of each series being progressively greater.

6. A method of contacting a particle-form solid with a gaseous reactant comprising passing the solid as a continuously moving substantially solid confined stream through a contact zone, maintaining two series of open channels in said solid stream transversely of said contact zone, openings of one series being longitudinally displaced along the stream from openings of the second series, introducing gaseous reactant to the solid from openings of one series, passing the gaseous reactant longitudinally through the solid of said stream, and removing it through openings



of the second series, the said longitudinal displacement between channels of the admission series and channels of the removal series being progressively greater in the direction of movement of said stream.

2,409,597
SCANNING CAMERA
Frederick Theodore Sonne, Golf, and Victor Sussin, Chicago, Ill., assignors to Chicago Aerial Survey Company, Chicago, Ill., a corporation of Illinois
Application August 16, 1943, Serial No. 498,754
2 Claims. (Cl. 95—12.5)



1. In an aerial camera, a vertical casing provided at its lower end with a downwardly opening exposure slit; a downwardly projecting photographic objective secured to the casing beneath said slit; a focal drum mounted in the casing above and with only scant clearance between the slit and the peripheral face of said drum; film pay-off and film pay-on spools mounted in said casing, from the former of which, the film may be trained about said peripheral face and through the space between said face and said slit thence

wound onto said pay-on spool; friction inducing means including a rotatable part detachably splined to the pay-off spool at the axis of rotation thereof; friction inducing means including a rotatable part detachably splined to the pay-on spool at the axis of rotation thereof; means for positively driving the focal drum at any assigned angular velocity and for positively driving the rotatable part of the second named friction inducing means; and means by which friction at the respective friction inducing means can be controlled and the film maintained under constant tension such that the surface of contact of the film with the peripheral face of said focal drum and the distance between the slit and the effective focal point of said drum are each thereof invariable during translation of the film at any selected angular velocity, and whereby the rate of translation of the film across said slit is the same as that at which the film is paid from the pay-off spool and the rate at which it is wound onto said pay-on spool.

2,409,598
PORTABLE PLAY PEN FOR CHILDREN
Edward S. Swazey, Rochester, N. Y., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York
Application November 23, 1944, Serial No. 564,765
3 Claims. (Cl. 256—25)



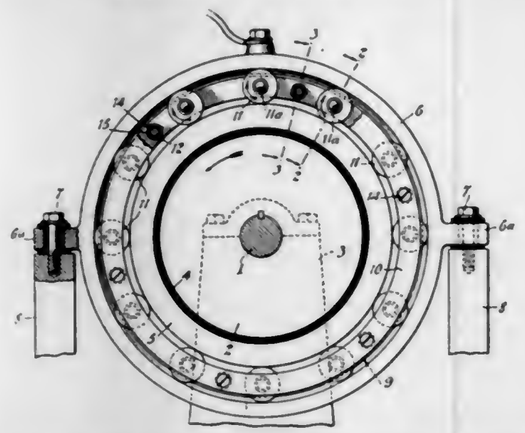
1. A portable play pen for children including oppositely arranged supporting walls having posts at each end, one of said posts having annular horizontal kerfs extending peripherally around and in spaced relation to the top and bottom of the post, oppositely arranged intermediate walls each of which is pivotally connected at one end to a supporting wall and foldable inwardly into parallel relation therewith, one of said intermediate walls being separably connected at its other end to the adjacent supporting wall, and hinge members each consisting of two cooperating superposed metal plates fixedly attached to the other of said intermediate walls and each of said plates including an arcuate portion located in one of said kerfs and rotatable around the central part of the post permitting relative swinging movement outwardly between the wall carrying the post and said intermediate wall, each through an arc of 135°, until they are in folded parallel relation between the other two walls.

2,409,599
COAXIAL LINE TERMINATION
John W. Tiley, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 28, 1944, Serial No. 533,231
7 Claims. (Cl. 178—44)



3. A termination for a coaxial transmission line, comprising inner and outer coaxial conductors, a dielectric member mounted adjacent said conductors, said member being formed of a material having a high loss characteristic at ultra high frequencies, said member having a cylindrical portion and a tapered portion, said cylindrical portion being arranged in good heat conductive relation to both said conductors, said tapered portion being arranged to minimize reflection of incident ultra high frequency energy, and means for dissipating the heat generated by said member.

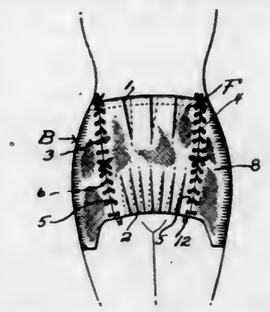
2,409,600
ROLLER ARRANGEMENT FOR CONDUCTING ELECTRICAL CURRENT
Reginald Trautschold, Passaic, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 7, 1944, Serial No. 530,072
10 Claims. (Cl. 171—322)



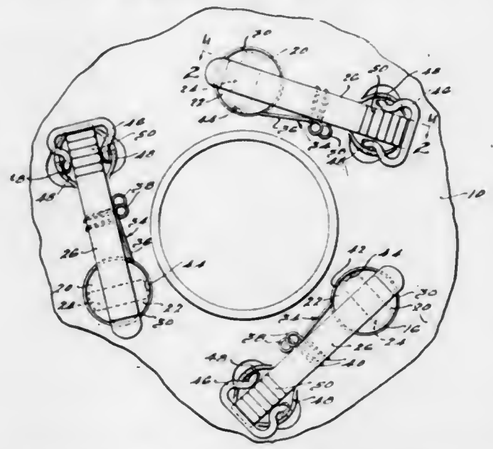
1. In a device of the class described, the combination of a bearing, a rotor including a shaft supported by and journaled in the bearing, a disk carried by the shaft, a band of insulating material encircling the disk, a collector ring encircling the insulating band, a stator including a stationary ring, said collector ring and stationary ring coacting to provide a raceway therebetween, a cage located in the raceway and free to turn therein about the axis of the rotor and stator rings, a plurality of all-metal rollers each journaled at its opposite ends in the cage for rotation about an axis parallel to the axis of the rings, said cage being formed at least in part of insulating material and acting to insulate each roller from every other roller in the set, said rollers fitting between and in electric engagement with the annular faces of the rings which define the raceway to provide a generated surface contact for the transference of electric energy between the rings, said stationary ring being provided with lugs projecting from opposite sides thereof and a pair of supports, one for each lug, and insulating means between each of said pair of supports and its associated lug and providing means for adjusting the stator ring relative to the collector ring to fix their axes in coaxial relation.

2,409,601
BODY GARMENT
Virginia M. Truesdell, Los Angeles, Calif.
Application April 19, 1943, Serial No. 483,637
3 Claims. (Cl. 2—43)

1. A maternity garment comprising a back section and a front section, said back section being of sufficient width to extend, in the use of the garment, entirely across the buttocks and across the hips to the sides of the abdomen, the front section being of a width to cover the abdomen only, adjustable coupling means between the adjacent side edges of the two sections through substantially the upper halves of such edges, adjustable coupling means between the adjacent side edges of the two sections through substantially the lower halves of such edges, and darts formed in the front section at the top and bottom edges to cup the front section over the curvature of the abdomen, the darts in the lower edge of the front section being formed to draw in such edge to a greater extent than the top edge, said darts forming the sole reinforcing for the front section.



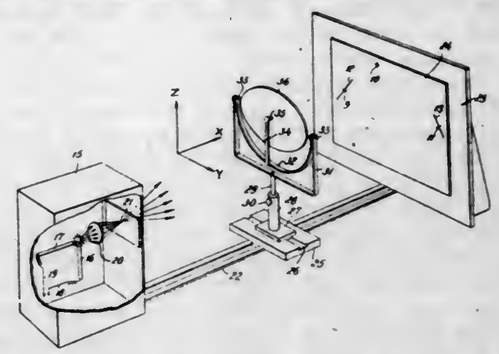
2,409,602
AUTOMOBILE WHEEL CLAMP
Ralph A. Vogt, Berkeley, Mich.
Application October 13, 1945, Serial No. 622,134
8 Claims. (Cl. 301—9)



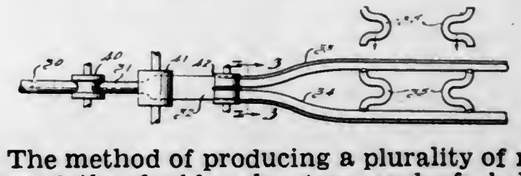
1. A vehicle wheel assembly comprising a wheel provided with a plurality of openings; a support for the wheel; and pivoted levers carried by said support and located to align with the openings, said levers adapted to pass through the openings when positioned to extend outwardly from the support and having cam surfaces which engage the wheel at the edges of the openings when the levers are swung toward the support whereby to hold the wheel securely on the support.

2,409,603
METHOD AND APPARATUS FOR GENERATING CURVES
Robert Warner Wood, Princeton, N. J., assignor, by mesne assignments, to Kaiser Fleetwings, Inc., a corporation of California
Application November 22, 1943, Serial No. 511,291
7 Claims. (Cl. 88—24)

1. An apparatus for generating curves comprising a plane surface on which a plurality of points not in a straight line and through which the curve is to pass may be indicated, a support for said surface, a point-light source mounted to project a beam of light toward said surface, a curved outline, a support on which said curved outline is mounted in the beam of light, and means for adjusting the angle of the plane of said outline relative to the axis of the beam of light.

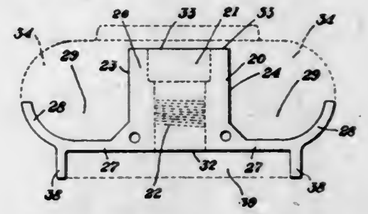


2,409,604
METHOD OF MANUFACTURING SAFETY RAZOR BLADES
Leonard A. Young, Detroit, Mich.
Original application February 14, 1942, Serial No. 430,895. Divided and this application August 2, 1944, Serial No. 547,738
3 Claims. (Cl. 76—104)



1. The method of producing a plurality of razor blades of the double edge type and of skeleton form from a blank of steel wire, which comprises the steps of flattening the wire by rolling continuously into a ribbon-like strip having a thickness substantially corresponding to that of the blades to be produced, longitudinally slitting the strip in two while at the same time forming cutting edge blank portions along the outside edges of the two sections of the strip, separating the strip sections and securing thereto at predetermined points pairs of metal cross struts formed from a lower grade steel, heat treating the attached strips and cross struts, thereafter cutting pieces of predetermined length from the strips and struts to provide the finished blades, and thereafter sharpening the cutting edges of said cutting edge blank portions.

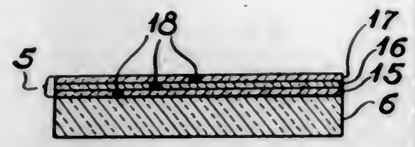
2,409,605
PHOTOGRAPHIC CAMERA
Jacques Bolsey, New York, N. Y.
Application October 18, 1943, Serial No. 506,699
6 Claims. (Cl. 95—31)



1. In a photographic camera, a camera body, an exposure chamber within said camera body, a front wall arranged at the front end of said camera body and having the same height as but being wider than said camera body, thus forming at the front end of said camera body on both sides thereof projecting front wall portions, the

ends of said projecting front wall portions being bent rearwards, additional wall-like projections on the outer face of said front wall extending parallel to each other and to the side walls of said camera body, said additional projections being arranged on said front wall at both sides of said camera body, having the same height as said camera body and forming together with said front wall an open channel shaped space, and a top and a bottom plate secured to the corresponding top and bottom faces respectively of said camera body, extending from the front edges of said additional wall-like projections at least to the rear end of said camera body, thus forming together with said front wall and said additional wall-like projections a frontal shutter compartment for the camera shutter mechanism and forming on the two sides of said camera body film compartments being closed at the sides, the top and the bottom but being open at the rear end and thus being adapted to house the film coil containers of a film magazine when the same is in operative picture taking position with said film coil containers positioned on both sides of said camera body.

2,409,606
ALKALI HALIDE SCREEN AND METHOD OF MANUFACTURE
Humboldt W. Leverenz, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 29, 1942, Serial No. 460,055
11 Claims. (Cl. 250—164)



1. The method of manufacturing a cathode ray tube having an envelope and a target foundation comprising evacuating said envelope to a pressure corresponding at least to 10^{-4} mm. Hg, bombarding said foundation with cathode rays, vaporizing an alkali metal halide within said evacuated envelope and condensing said alkali halide on said foundation during the cathode ray bombardment thereof.

DESIGNS

OCTOBER 15, 1946

145,707
DESIGN FOR A BROOCH
Antonio Aquilino, Providence, R. I.
Application February 4, 1946, Serial No. 126,234
Term of patent 3½ years
(Cl. D45—19)



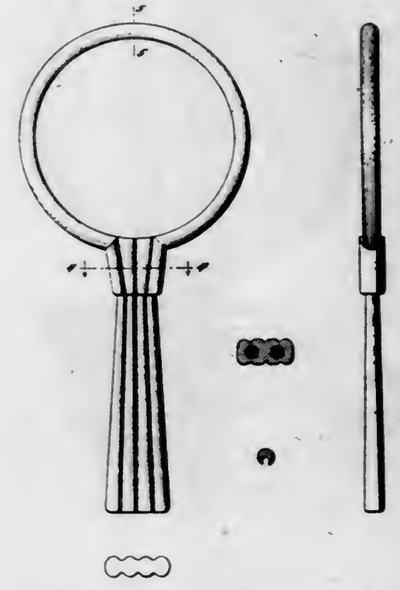
The ornamental design for a brooch, as shown.

145,708
DESIGN FOR A BROOCH
Antonio Aquilino, Providence, R. I.
Application February 4, 1946, Serial No. 126,235
Term of patent 3½ years
(Cl. D45—19)



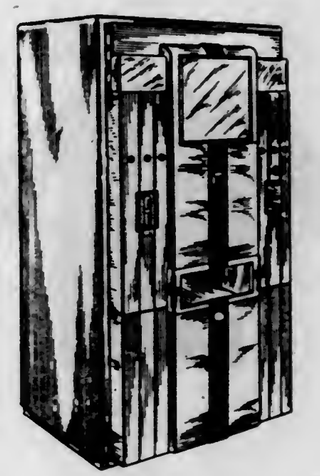
The ornamental design for a brooch, as shown.

145,709
DESIGN FOR A HAND MIRROR FRAME
Joseph Casalino, Forest Hills Gardens, Long Island, N. Y., assignor to Dieplast Corporation, New York, N. Y., a corporation of New York
Application November 28, 1945, Serial No. 124,124
Term of patent 3½ years
(Cl. D86—10)



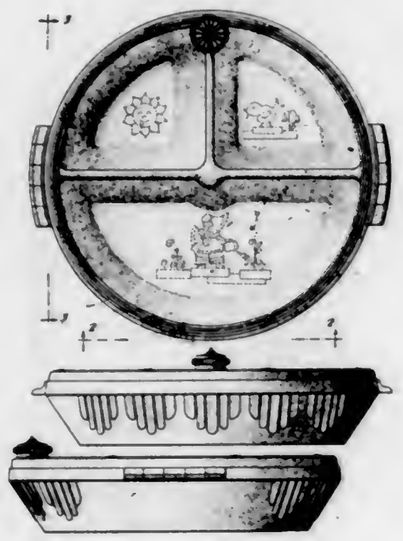
The ornamental design for a hand mirror frame, as shown.

145,710
DESIGN FOR A VENDING MACHINE
Arthur R. Constantine and Melvin H. Boldt, South Bend, Ind., assignors to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application August 7, 1944, Serial No. 114,761
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a vending machine, as shown and described.

145,711
DESIGN FOR A SERVING DISH OR SIMILAR ARTICLE
Joseph Davis, South Orange, N. J., assignor to Joseph Davis Plastics Co., Arlington, N. J., a corporation of New Jersey
Application January 9, 1946, Serial No. 125,372
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a serving dish or similar article, as shown and described.

145,712
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Dorthi Engleman, New York, N. Y., assignor to Carl Gutmann & Co., Inc., New York, N. Y.
Application April 12, 1946, Serial No. 128,498
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater or similar article, substantially as shown and described.

145,713
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Dorthi Engleman, New York, N. Y., assignor to Carl Gutmann & Co., Inc., New York, N. Y.
Application June 21, 1946, Serial No. 130,922
Term of patent 3½ years
(Cl. D3—4)



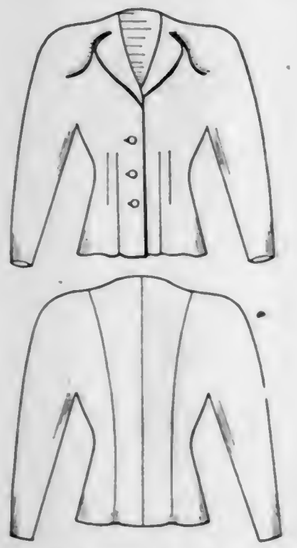
The ornamental design for a sweater or similar article, substantially as shown and described.

145,714
DESIGN FOR A SWEATER
Dorthi Engleman, New York, N. Y., assignor to Carl Gutmann & Co., Inc., New York, N. Y.
Application June 25, 1946, Serial No. 131,009
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater, substantially as shown and described.

145,715
DESIGN FOR A JACKET
Simon Etkin, New York, N. Y.
Application July 23, 1946, Serial No. 131,829
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

145,716
DESIGN FOR A COMPACT
Edmond Foret, New York, N. Y., and Harold Graeter, Sherman, Conn., assignors to Cartier, Inc., New York, N. Y., a corporation of New York
Application December 4, 1945, Serial No. 124,327
Term of patent 14 years
(Cl. D86—10)



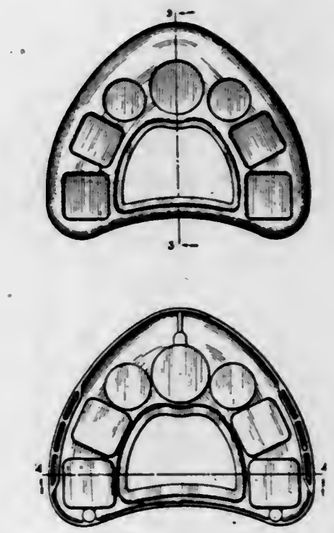
The ornamental design for a compact, as shown.

145,717
DESIGN FOR A COAT
Jules Freedman, New York, N. Y.
Application July 1, 1946, Serial No. 131,230
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

145,718
DESIGN FOR A PORTABLE BAR TRAY
Norman Bel Geddes, New York, N. Y., assignor to Creative Plastics Corp., Brooklyn, N. Y., a corporation of New York
Application September 8, 1945, Serial No. 121,949
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a portable bar tray, substantially as shown.

145,719
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y.
Application June 26, 1946, Serial No. 131,028
Term of patent 3½ years
(Cl. D3—4)



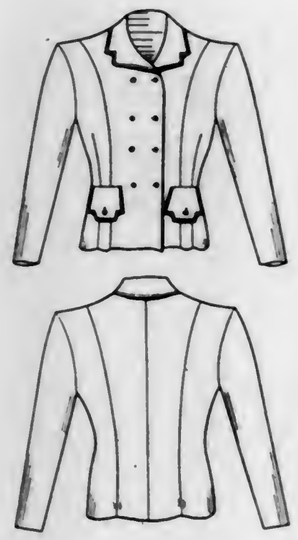
The ornamental design for a coat, substantially as shown.

145,720
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y.
Application June 26, 1946, Serial No. 131,029
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

145,721
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,831
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

145,722
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,834
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

145,723
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,835
Term of patent 3½ years
(Cl. D3—4)



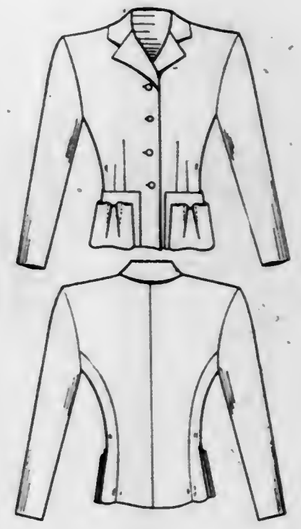
The ornamental design for a jacket, substantially as shown.

145,724
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,837
Term of patent 3½ years
(Cl. D3—4)



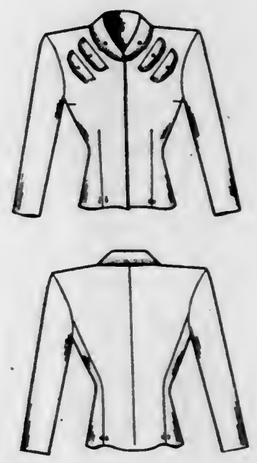
The ornamental design for a jacket, substantially as shown.

145,725
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,842
Term of patent 3½ years
(Cl. D3—4)



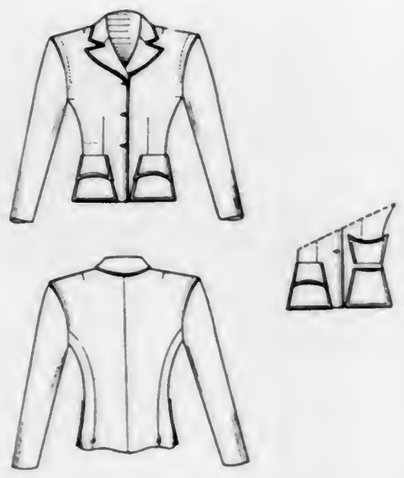
The ornamental design for a jacket, substantially as shown.

145,726
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,843
Term of patent 3½ years
(Cl. D3—4)



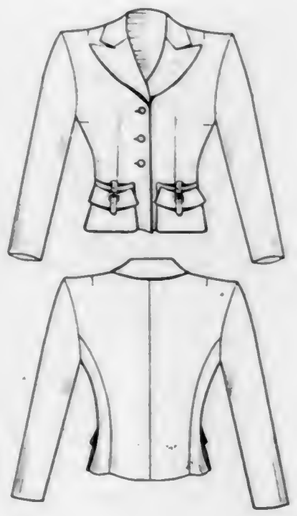
The ornamental design for a jacket, substantially as shown.

145,727
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,844
Term of patent 3½ years
(Cl. D3—4)



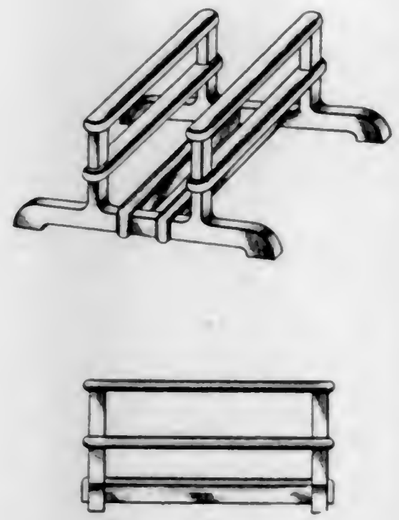
The ornamental design for a jacket, substantially as shown.

145,728
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,845
Term of patent 3½ years
(Cl. D3—4)



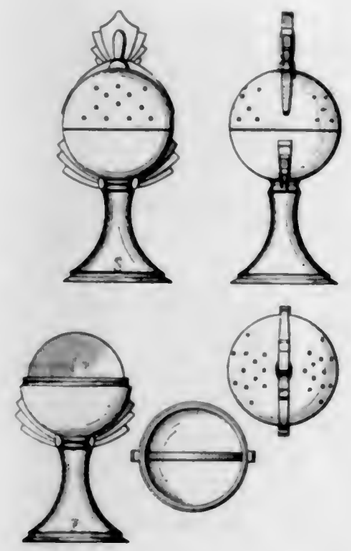
The ornamental design for a jacket, substantially as shown.

145,729
DESIGN FOR A SOAP CAKE HOLDER OR SIMILAR ARTICLE
Harry H. Gray, Kansas City, Mo.
Application November 15, 1945, Serial No. 123,798
Term of patent 7 years
(Cl. D4—3)



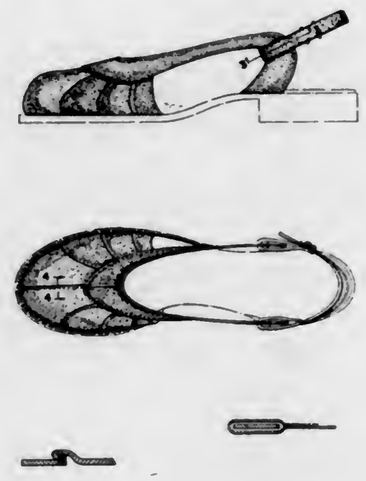
The ornamental design for a soap cake holder or similar article, substantially as shown.

145,730
DESIGN FOR A COMBINED SALT AND PEPPER SHAKER OR SIMILAR ARTICLE
Frank Richard Hale, Paterson, N. J., assignor to Harry S. La Poff, Paterson, N. J.
Application August 30, 1945, Serial No. 121,738
Term of patent 14 years
(Cl. D44—22)



The ornamental design for a combined salt and pepper shaker or similar article, substantially as shown.

145,731
DESIGN FOR A SHOE
James J. Hickey, Binghamton, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application May 27, 1946, Serial No. 130,110
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe, substantially as shown and described.

145,732
DESIGN FOR A COMBINED DOLL AND PARACHUTE
Marion Hoyle, Pasadena, Calif.
Application November 26, 1945, Serial No. 124,090
Term of patent 14 years
(Cl. D34—4)



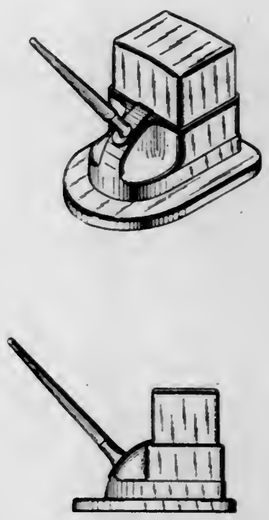
The ornamental design for a combined doll and parachute, as shown.

145,733
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 126,838
Term of patent 7 years
(Cl. D45—19)



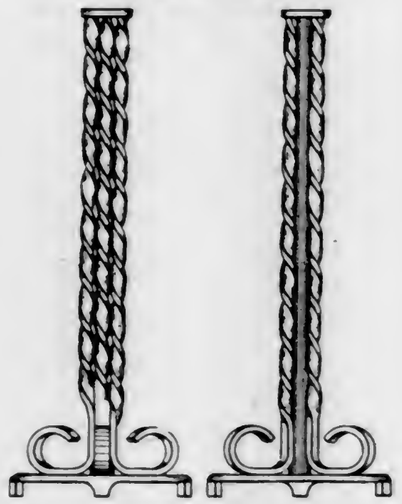
The ornamental design for a brooch or similar article, substantially as shown.

145,734
DESIGN FOR A COMBINATION DESK UNIT
Laurence W. Kendrick, Wellesley, Mass., assignor to The Carter's Ink Company, Cambridge, Mass., a corporation of Massachusetts
Application April 10, 1946, Serial No. 128,448
Term of patent 7 years
(Cl. D74—1)



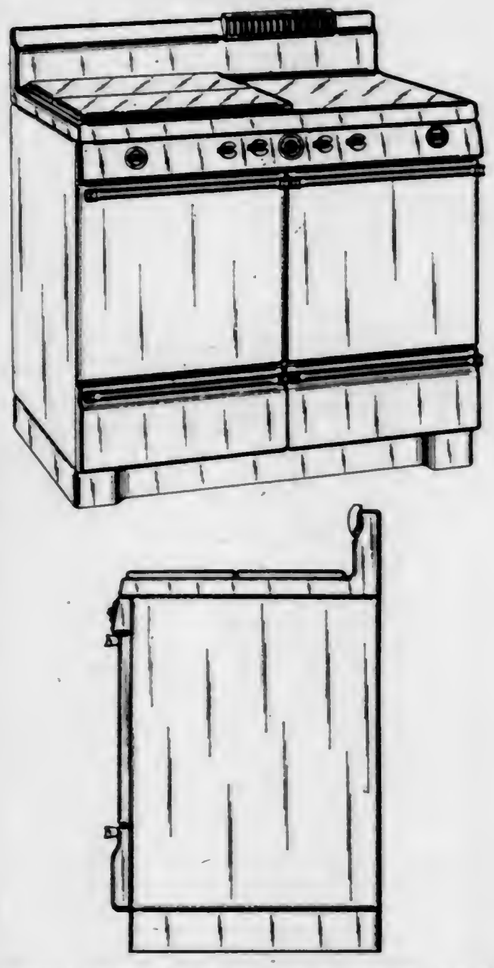
The ornamental design for a combination desk unit, substantially as shown.

145,735
DESIGN FOR A STAND
Edmund D. Kissling, New York, N. Y.
Application November 19, 1945, Serial No. 123,916
Term of patent 14 years
(Cl. D48—20)



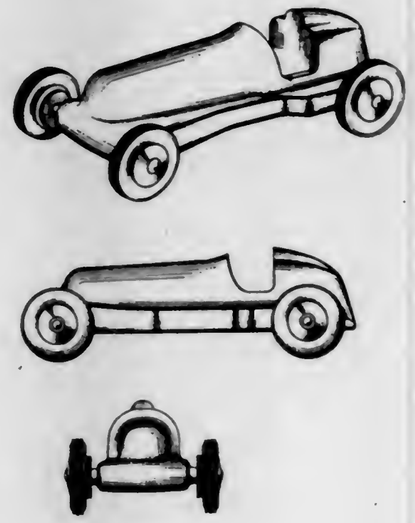
The ornamental design for a stand, as shown.

145,736
DESIGN FOR A RANGE
Ralph E. Kruck, Longmeadow, Mass., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application November 9, 1945, Serial No. 123,640
Term of patent 14 years
(Cl. D81—4)



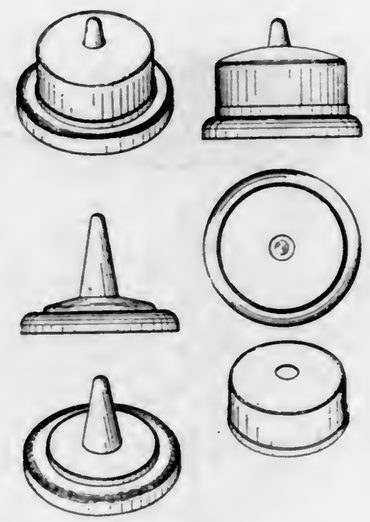
The ornamental design for a range, as shown.

145,737
DESIGN FOR A TOY VEHICLE
Robert F. Kuntz, Santa Monica, Calif.
Application December 10, 1945, Serial No. 124,581
Term of patent 3½ years
(Cl. D34—15)



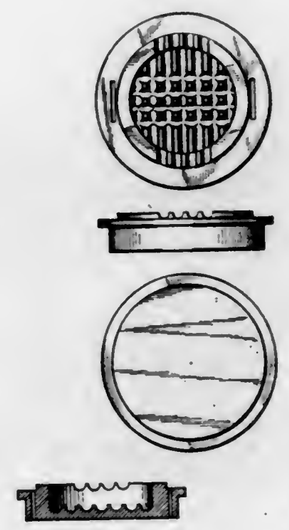
The ornamental design for a toy vehicle, substantially as shown.

145,738
DESIGN FOR A RING BOX
Fred H. Lewis, Wilmette, Ill.
Application December 14, 1945, Serial No. 124,743
Term of patent 14 years
(Cl. D80—5)



The ornamental design for a ring box, substantially as shown.

145,739
DESIGN FOR AN ASH TRAY
Louis Lomasney, North Attleboro, Mass.
Application October 26, 1944, Serial No. 115,996
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

145,740
DESIGN FOR A ROBE OR SIMILAR ARTICLE
George H. McLaughlin, New York, N. Y.
Application May 7, 1946, Serial No. 129,399
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a robe or similar article, substantially as shown.

145,741
DESIGN FOR A DRESS
Caroline Della Monica, New York, N. Y.
Application June 20, 1946, Serial No. 130,878
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,742
DESIGN FOR AN EARRING
Frank Morrow, Johnston, R. I.
Application July 18, 1945, Serial No. 120,792
Term of patent 3½ years
(Cl. D45—9)



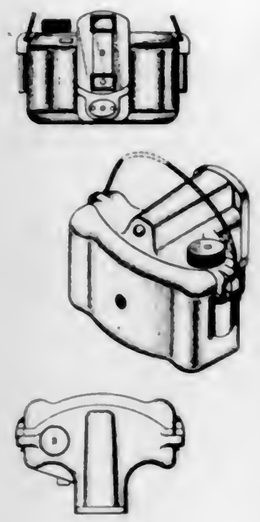
The ornamental design for an earring, substantially as shown.

145,743
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Frank Morrow, Johnston, R. I.
Application July 18, 1945, Serial No. 120,796
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

145,744
DESIGN FOR A CAMERA
Freeman H. Owens, New York, N. Y.
Application October 16, 1945, Serial No. 122,901
Term of patent 14 years
(Cl. D61—1)



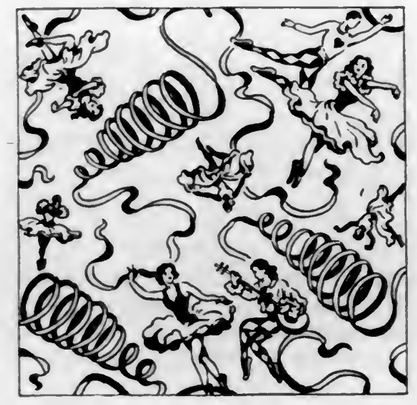
The ornamental design for a camera, substantially as shown and described.

145,745
DESIGN FOR A FABRIC
Arthur Y. Park, Los Angeles, Calif.
Application February 19, 1946, Serial No. 126,704
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a fabric, as shown and described.

145,746
DESIGN FOR A FABRIC
Arthur Y. Park, Los Angeles, Calif.
Application February 19, 1946, Serial No. 126,705
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a fabric, as shown and described.

145,747
DESIGN FOR A FABRIC
Arthur Y. Park, Los Angeles, Calif.
Application February 19, 1946, Serial No. 126,706
Term of patent 3½ years
(Cl. D92—1)



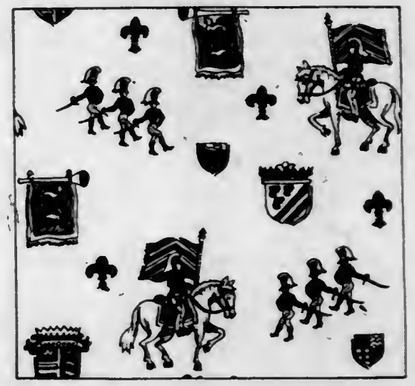
The ornamental design for a fabric, as shown and described.

145,748
DESIGN FOR A FABRIC
Arthur Y. Park, Los Angeles, Calif.
Application February 19, 1946, Serial No. 126,707
Term of patent 3½ years
(Cl. D92—1)



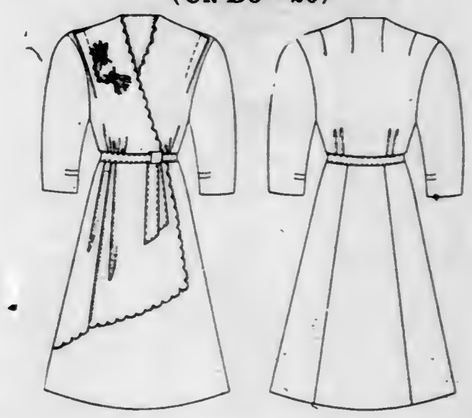
The ornamental design for a fabric, as shown and described.

145,749
DESIGN FOR A FABRIC
Arthur Y. Park, Los Angeles, Calif.
Application February 19, 1946, Serial No. 126,708
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a fabric, as shown and described.

145,750
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application June 20, 1946, Serial No. 130,872
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,751
DESIGN FOR A JEWELRY FINDING
Harry Rubin, New York, N. Y.
Application November 23, 1945, Serial No. 123,999
Term of patent 7 years
(Cl. D45—1)



The ornamental design for a jewelry finding, as shown.

145,752
DESIGN FOR A JEWELRY FINDING
Carl Schraysshuen, Providence, R. I.
Application February 21, 1946, Serial No. 126,807
Term of patent 7 years
(Cl. D45—1)





The ornamental design for a jewelry finding, substantially as shown.

145,753
DESIGN FOR A JEWELRY FINDING
Carl Schraysshuen, Providence, R. I.
Application February 21, 1946, Serial No. 126,808
Term of patent 7 years
(Cl. D45—1)





The ornamental design for a jewelry finding, substantially as shown.

145,754
DESIGN FOR A JEWELRY FINDING
Carl Schraysshuen, Providence, R. I.
Application February 21, 1946, Serial No. 126,811
Term of patent 7 years
(Cl. D45—1)





The ornamental design for a jewelry finding, substantially as shown.

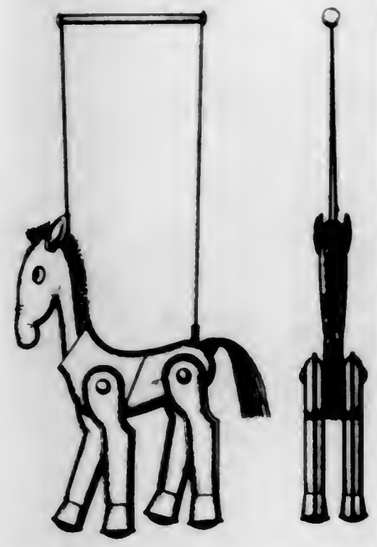
145,755
DESIGN FOR A JEWELRY FINDING
Carl Schraysshuen, Providence, R. I.
Application February 21, 1946, Serial No. 126,813
Term of patent 7 years
(Cl. D45—1)





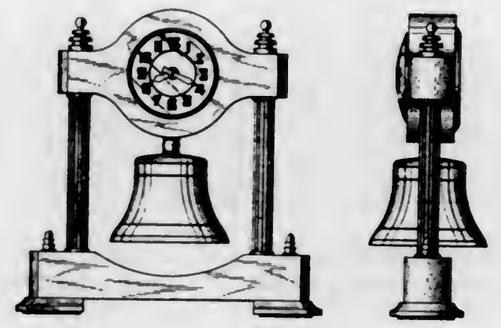
The ornamental design for a jewelry finding, substantially as shown.

145,756
DESIGN FOR A STUFFED PUPPET TOY ANIMAL
Martin Shrier, Forest Hills, N. Y., assignor to Ideal Novelty & Toy Co., Long Island City, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,375
Term of patent 3½ years
(Cl. D34—2)



The ornamental design for a stuffed puppet toy animal, substantially as shown.

145,757
DESIGN FOR A CLOCK OR SIMILAR ARTICLE
Abraham K. Simons, Chicago, Ill.
Application May 17, 1946, Serial No. 129,783
Term of patent 7 years
(Cl. D42—7)



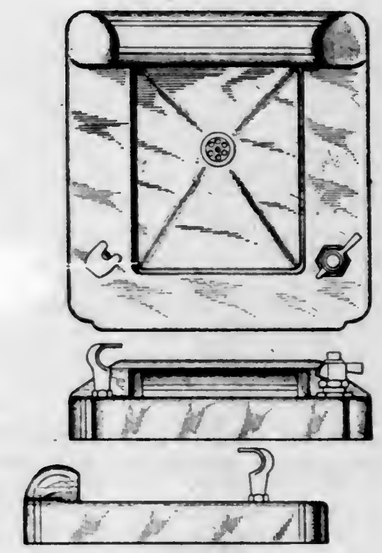
The ornamental design for a clock or similar article, substantially as shown.

145,758
DESIGN FOR A JAR OR SIMILAR ARTICLE
John L. Snyder, Jr., Wapakoneta, Ohio, assignor to The Standard Churn Company, Wapakoneta, Ohio, a corporation of Ohio
Application December 5, 1945, Serial No. 124,392
Term of patent 14 years
(Cl. D58—25)



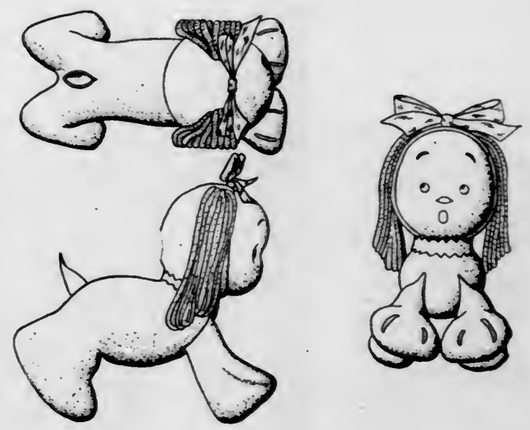
The ornamental design for a jar or similar article, substantially as shown.

145,759
DESIGN FOR A TOP FOR WATER COOLERS
Elmer A. Steele, Chicago, Ill., assignor to Maurice J. Blons, doing business as M. J. Blons and Company, Chicago, Ill.
Application November 7, 1945, Serial No. 123,554
Term of patent 3½ years
(Cl. D67—4)



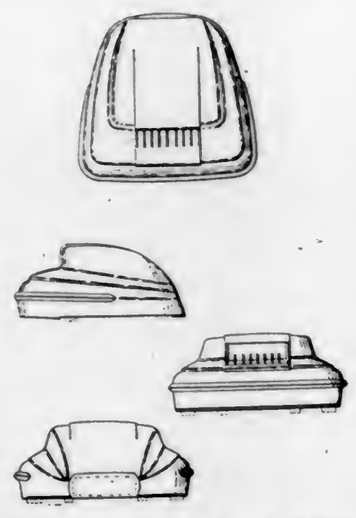
The ornamental design for a top for water coolers, as shown.

145,760
DESIGN FOR A TOY ANIMAL
Charlotte Steiner, New York, N. Y.
Application May 1, 1946, Serial No. 129,209
Term of patent 7 years
(Cl. D34—2)



The ornamental design for a toy animal, as shown.

145,761
DESIGN FOR A VACUUM CLEANER CASING
George W. Walker, Pleasant Ridge, Mich., assignor to Eureka Williams Corporation, a corporation of Michigan
Application January 9, 1946, Serial No. 125,400
Term of patent 14 years
(Cl. D9—2)



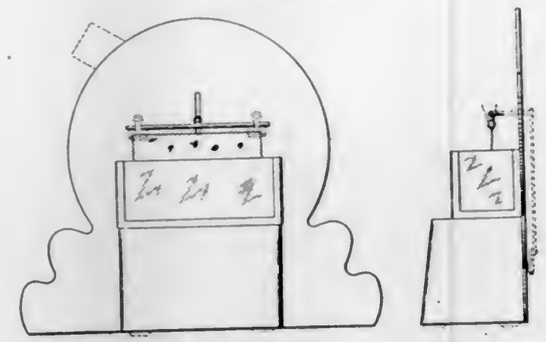
The ornamental design for a vacuum cleaner casing, substantially as shown and described.

145,762
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William B. Weinstock, Kew Garden Hills, Flushing, N. Y.
Application October 29, 1945, Serial No. 123,283
Term of patent 3½ years
(Cl. D45—19)



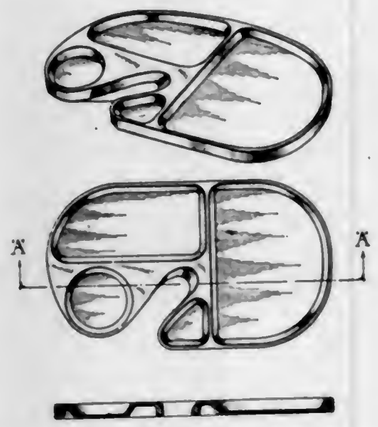
The ornamental design for a brooch or similar article, substantially as shown and described.

145,763
DESIGN FOR A FABRIC TESTING DISPLAY STAND
Herbert W. Wilkinson, Jr., Southbridge, Mass.
Application September 6, 1945, Serial No. 121,895
Term of patent 14 years
(Cl. D80—9)



The ornamental design of a fabric testing display stand, substantially as shown and described.

145,764
DESIGN FOR A TRAY
Victor I. Zelov, Rosemont, Pa.
Application September 29, 1945, Serial No. 122,401
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a tray, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aero-Pel: *See*—
Frantz Industries.
Alexander, Carl Z., Springfield, N. J. Oil-fuel water heaters. Serial No. 502,052; Oct. 15. Class 34.
Alpha Craft, Inc., New York, N. Y. Costume jewelry. Serial No. 499,459; Oct. 15. Class 28.
American Display Company, The, Dayton, Ohio. Fish baits and fish lures. Serial No. 497,155; Oct. 15. Class 22.
American Engineering Company, Philadelphia, Pa. Furnace stokers and parts thereof. Serial No. 499,749; Oct. 15. Class 34.
American Glossite Co., Inc., Putnam, Conn. Hat braids. Serial Nos. 499,604–5; Oct. 15. Class 40.
American Tablet Corporation, Pittsburgh, Pa. Stationery. Serial No. 498,819; Oct. 15. Class 37.
Ampco Metal, Inc., Milwaukee, Wis. Metallic welding rods and arc welding electrodes. Serial No. 490,051; Oct. 15. Class 14.
Amusematic Corporation, Chicago, Ill. Coin controlled amusement apparatus. Serial No. 507,452; Oct. 15. Class 22.
Araban Coffee Co., Inc., Boston, Mass. French mayonnaise. Serial No. 492,813; Oct. 15. Class 46.
Atomac Power Products: *See*—
Roland, John F.
Auburn Rubber Corporation, Auburn, Ind. Shoe repair items. Serial No. 485,985; Oct. 15. Class 39.
Avent, John V., Co., Los Angeles, Calif. Prefabricated buildings. Serial No. 497,009; Oct. 15. Class 12.
Baack, William, Lubbock, Tex. Medicinal preparations. Serial No. 483,361; Oct. 15. Class 6.
Basca Manufacturing Co. Inc., Indianapolis, Ind., assignor to "Goerlich's," Toledo, Ohio. Mufflers for internal combustion engines. Serial No. 487,298; Oct. 15. Class 23.
Bauman-Massa Jewelry Co., St. Louis, Mo. Jewelry. Serial No. 499,754; Oct. 15. Class 28.
Beck Manufacturing Company, Grand Rapids, Mich. Towels and wash cloths. Serial No. 496,685; Oct. 15. Class 42.
Bemis Bro. Bag Company, St. Louis, Mo. Twine. Serial No. 490,921; Oct. 15. Class 7.
Bethlehem Steel Company, Bethlehem, Pa. Wire rope. Serial No. 473,526; Oct. 15. Class 7.
Better Packages, Incorporated, Shelton, Conn. Tape dispensers. Serial No. 496,601; Oct. 15. Class 2.
Blue and Gray Cradle Association, Inc., The, Montgomery, Ala. Magazine. Serial No. 498,487; Oct. 15. Class 38.
Borg-Warner Corporation, Chicago, Ill. Amphibious vehicles. Serial No. 482,974; Oct. 15. Class 19.
Botfield Refractories Company, Philadelphia, Pa. Heat insulating cement. Serial No. 469,721; Oct. 15. Class 12.
Boyle-Midway Inc., Jersey City, N. J. Insecticides, disinfectants, garden spray and chemical weed killer. Serial Nos. 496,537–8; Oct. 15. Class 6.
Buffingtons' Inc., Worcester, Mass. Internal medication. Serial No. 494,016; Oct. 15. Class 6.
Callaway Mills, La Grange, Ga. Trimming suitable for edging draperies and slip covers, etc. Serial No. 498,979; Oct. 15. Class 40.
Cantor-Greenspan Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 498,498; Oct. 15. Class 42.
Catskill Metal Works, Inc., Catskill, N. Y. Stokers, oil burners, oil and coal fired water heaters, etc. Serial No. 498,500; Oct. 15. Class 34.
Chirodex Products: *See*—
Corley, Buren L.
Churngold Corporation, The, Cincinnati, Ohio. Salad dressing. Serial No. 490,640; Oct. 15. Class 46.
Collegiate Manufacturing Co., Inc., New York, N. Y. Hospital coats and boudoir robes. Serial No. 500,059; Oct. 15. Class 39.
Colonial Dames Company, Ltd., Los Angeles, Calif. Cologne. Serial No. 499,825; Oct. 15. Class 6.
Consolidated Cosmetics, Chicago, Ill. Pyrophoric cigar and cigarette lighters. Serial No. 501,440; Oct. 15. Class 34.
Corley, Buren L., doing business as Chirodex Products, San Francisco, Calif. Herbal-vegetable laxative, etc. Serial No. 485,007; Oct. 15. Class 6.
Cross, Mark, Company, New York, N. Y. Men's toiletries. Serial No. 497,297; Oct. 15. Class 6.
Cunningham, M. E., Company, Pittsburgh, Pa. Die holders for metal embossing and countersinking dies. Serial No. 499,485; Oct. 15. Class 23.
Daughhetee, Dillard D., doing business as Gee Wiz Bait Co., Richland Center, Wis. Fish lures. Serial No. 507,111; Oct. 15. Class 22.
De Bord, Charles L., doing business as Rural Retreat Mills, Johnson City, Tenn. White flour. Serial No. 500,526; Oct. 15. Class 46.
Didisheim, Goldschmidt Fils et Cie, Fabrique Juvenia, La Chaux-de-Fonds, Switzerland, assignor to Juvenia Watch Agency, Inc., New York, N. Y. Watches, watch parts, clocks, etc. Serial Nos. 489,719–20; Oct. 15. Class 27.
Donaldson Manufacturing Corp., Peru, Ind. Magnetic compasses. Serial No. 498,211; Oct. 15. Class 26.
Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic paper. Serial No. 496,133; Oct. 15. Class 26.
Edo Aircraft Corporation, New York and College Point, Long Island, N. Y. Step stools. Serial No. 507,379; Oct. 15. Class 32.
Electrolux Corporation, New York, N. Y. Electric motors, electric converters, electric controllers therefor, and parts thereof. Serial No. 480,281; Oct. 15. Class 21.
Elless Maskinfabrik Aktiebolag, Gothenburg, Sweden. Sheet feeding apparatus for printing presses. Serial No. 492,367; Oct. 15. Class 23.
Engel, Robert, New York, N. Y. Imported swiss watches and parts thereof. Serial No. 489,174; Oct. 15. Class 27.
Evans, Willie J., doing business as Juru's Mira-Cu Herb Tonic Co., Dunedin, Fla. Herb tonic. Serial No. 492,188; Oct. 15. Class 6.
Farrand Optical Co., Inc., New York, N. Y. Optical apparatus. Serial No. 496,019; Oct. 15. Class 26.
Fawcett Publications, Inc., Greenwich, Conn. Monthly publication. Serial No. 494,664; Oct. 15. Class 38.
Feb Knode Inc., South Bend, Ind. Dolls. Serial No. 506,036; Oct. 15. Class 22.
Firth Sterling Steel Company, McKeesport, Pa. High speed steel tool bits. Serial No. 494,896; Oct. 15. Class 23.
Fischer, Chas., Spring Company, The, Brooklyn, N. Y. Sun glasses. Serial No. 495,723; Oct. 15. Class 26.
Flamberg, Morton, New York, N. Y. Sport and dress shirts, swim suits, handkerchiefs, etc. Serial No. 501,727; Oct. 15. Class 39.
Foy, Adrienne, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 496,229; Oct. 15. Class 6.
Franco Corset Company, New York, N. Y. Corsets, corselets, and girdles. Serial No. 482,927; Oct. 15. Class 39.
Frantz Industries, doing business as Aero-Pel, Los Angeles, Calif. Electric or gasoline passenger carrying vehicles. Serial No. 491,822; Oct. 15. Class 19.
Galloway, George M., doing business as Grand Lake Fishing Tackle, Celina, Ohio. Artificial fish baits. Serial No. 504,348; Oct. 15. Class 22.
Galloway, George M., doing business as Grand Lake Fishing Tackle, Celina, Ohio. Artificial fish baits. Serial No. 504,437; Oct. 15. Class 22.
Gee Wiz Bait Co.: *See*—
Daughhetee, Dillard D.
Geisler Ganz Corp., New York, N. Y. Outdoor, windproof, card holders. Serial No. 503,723; Oct. 15. Class 22.
General Mills, Inc., Minneapolis, Minn. Prepared pie mix. Serial No. 499,892; Oct. 15. Class 46.
Ghirardelli, D., Co., San Francisco, Calif. Ground chocolate, cocoa, and chocolate. Serial No. 499,833; Oct. 15. Class 46.
Gladstone, J., Company, New York, N. Y. Pearls and jewelry, not including watches. Serial No. 500,074; Oct. 15. Class 28.
"Goerlich's," assignee: *See*—
Basca Manufacturing Co. Inc.
Grand Lake Fishing Tackle: *See*—
Galloway, George M.
Graves, E. Selman, Marblehead, Mass. Small boats. Serial No. 495,731; Oct. 15. Class 19.
Green Company, Inc., The, Kansas City, Mo. Jewelry for personal wear (not including watches). Serial No. 497,476; Oct. 15. Class 28.
Grip Nut Company, Chicago, Ill. Brake beam safety supports for railway cars. Serial No. 489,068; Oct. 15. Class 19.
Guth, Stern, & Co. Inc., New York, N. Y. Pocket pipe, cigar, and cigarette igniters. Serial No. 502,636; Oct. 15. Class 34.
Hawkins & Orcutt, Gloversville, N. Y. Handbags. Serial No. 505,056; Oct. 15. Class 3.
Heribert, Herbert J., New York, N. Y. Plastic composition in sheet form. Serial No. 481,992; Oct. 15. Class 42.
Herman, Samuel, doing business as Jefferson Manufacturing Company, Los Angeles, Calif. Chemical bleaching preparation. Serial No. 482,103; Oct. 15. Class 6.
Hester, George C., doing business as Janet Hester, Glendale, Calif. Perfumes. Serial No. 497,608; Oct. 15. Class 6.
Hester, Janet: *See*—
Hester, George C.
Holger, Nelson P., Worcester, Mass. Abrasive stones. Serial No. 493,209; Oct. 15. Class 4.

Hollywood Rouge Sportswear Corp., Los Angeles, Calif. Sport shirts for men. Serial No. 500,802; Oct. 15. Class 39.
Homeola Corporation, The, Chicago, Ill. Window frames and floor panels made of wood and combination stair steps and risers made of steel. Serial No. 498,697; Oct. 15. Class 12.
Hood Chemical Co., Inc., New York, N. Y. Household washing composition. Serial No. 495,968; Oct. 15. Class 4.
Hood Chemical Co., Inc., New York, N. Y. Household cleaner. Serial No. 495,970; Oct. 15. Class 4.
Independent Exploration Company, Houston, Tex. Electronic geophysical prospecting instruments. Serial No. 469,565; Oct. 15. Class 26.
Jaffe, Isidore, New York, N. Y. Simulated pearls, necklaces, and costume jewelry. Serial No. 476,391; Oct. 15. Class 28.
Jefferson Manufacturing Company: *See*—
Herman, Samuel.
Jones, R. W., Canning Co., Arlington, Ind. Canned vegetables. Serial No. 500,664; Oct. 15. Class 46.
Juru's Mira-Cu Herb Tonic Co.: *See*—
Evans, Willie J.
Juvenia Watch Agency, Inc., assignee: *See*—
Didisheim, Goldschmidt Fils et Cie, Fabrique Juvenia.
K & R Fruit Products, Inc., Upland, Calif. Canned orange and apricot blend of juices. Serial No. 501,989; Oct. 15. Class 45.
Kaynar Manufacturing Company, Los Angeles, Calif. Nut and bolt retainers. Serial No. 488,906; Oct. 15. Class 12.
Kennedy, David E., Inc., Brooklyn, N. Y. Cleaner for asphalt tile, rubber tile, cork tile, etc. Serial No. 497,249; Oct. 15. Class 4.
Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Mobile units for fire extinguishing equipment. Serial No. 485,287; Oct. 15. Class 19.
Koury, W., Company, Greensboro, N. C. Shirts, pants, and riding breeches for men and boys. Serial No. 500,397; Oct. 15. Class 39.
Kraft Foods Company, Chicago, Ill. Roller dried buttermilk. Serial No. 499,633; Oct. 15. Class 46.
Kraft Foods Company, Chicago, Ill. Dried cheese whey. Serial No. 499,634; Oct. 15. Class 46.
Kraft Foods Company, Chicago, Ill. Milk fat obtained by mechanical separation from cream. Serial No. 499,635; Oct. 15. Class 46.
Kraft Foods Company, Chicago, Ill. Stabilizer for use in ice cream manufacture. Serial No. 499,636; Oct. 15. Class 46.
Kraft Foods Company, Chicago, Ill. Nonfat dry milk solids. Serial No. 499,637; Oct. 15. Class 46.
Kraft Foods Company, Chicago, Ill. Nonfat dry milk solids. Serial No. 499,639; Oct. 15. Class 46.
Kraft Foods Company, Chicago, Ill. Blend of buttermilk. Serial No. 499,641; Oct. 15. Class 46.
Kruse and Connor, Chicago, Ill. Coin controlled amusement game apparatus. Serial No. 507,474; Oct. 15. Class 22.
Lathe Chuck & Tool Company, The, Mishawaka, Ind. Spring collets. Serial No. 499,420; Oct. 15. Class 23.
Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Pneumatic tires. Serial No. 505,215; Oct. 15. Class 35.
Les Fils de Etienne Hofmann S. A. R. L., Bienne, Switzerland. Springs for watches. Serial No. 486,375; Oct. 15. Class 27.
Levinsohn Bros. & Co. Inc., New York, N. Y. Clothing. Serial No. 500,809; Oct. 15. Class 39.
Liberty Fig and Date Company, Chicago, Ill. Confectionery fruits. Serial No. 495,612; Oct. 15. Class 46.
Limpert Bros., Inc., Vineland, N. J., and New York, N. Y. Chocolate syrup. Serial No. 497,256; Oct. 15. Class 45.
Link-Belt Company, Chicago, Ill. Combined electric motor and hydraulic coupling drives. Serial No. 486,537; Oct. 15. Class 21.
Lusri, Joseph P., Cleveland, Ohio. Swabs used for the removal of nail polish. Serial No. 495,484; Oct. 15. Class 44.
Mager, Harry W., doing business as Patricia Cosmetics, Chicago, Ill. Perfume. Serial No. 499,337; Oct. 15. Class 6.
Man of Manhattan, Inc., New York, N. Y. Men's toiletries. Serial No. 491,649; Oct. 15. Class 6.
Mars Manufacturing Company, Chicago, Ill. Hand suction-bulb tool for use a baster, skimmer, and fat remover, etc. Serial No. 492,208; Oct. 15. Class 23.
Marwin Dyestuff Corporation, Jersey City, N. J. Dyestuff. Serial Nos. 492,639–41; Oct. 15. Class 6.
Marwin Dyestuff Corporation, Jersey City, N. J. Dyestuff. Serial No. 492,647; Oct. 15. Class 6.
Mid-Continent Supply Company, Fort Worth, Tex. Mechanical apparatus for mixing chemicals with drilling mud. Serial No. 494,276; Oct. 15. Class 23.
Minchenberg, Alfred S., New York, N. Y. Ladies', misses', junior misses' and girls' dresses, blouses, slacks, etc. Serial No. 501,082; Oct. 15. Class 39.
Monarch Leather Company, Chicago, Ill. Leather. Serial No. 498,240; Oct. 15. Class 1.
Monsanto Chemical Company, St. Louis, Mo. Bleaching agent for flour. Serial No. 498,243; Oct. 15. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Chemical products for use in combating fungi in the agricultural field. Serial No. 498,244; Oct. 15. Class 6.
Moore, Maynard H., Jr., Inc., Stoneham, Mass. Imitation leather bindings. Serial No. 488,277; Oct. 15. Class 40.
Muffly, Ross E., Redding, Calif. Popcorn in its natural unpopped state. Serial No. 494,513; Oct. 15. Class 46.
Munn and Steele, Incorporated, Newark, N. J. Heat resisting plaster for walls. Serial No. 463,908; Oct. 15. Class 12.
Murphy, Patrick, Inc., City Island, N. Y. Small boats. Serial No. 497,323; Oct. 15. Class 19.
Murray, Edgar A., Co., Detroit, Mich. Insecticide or insect exterminator. Serial No. 489,819; Oct. 15. Class 6.
Murray & Tregurtha, Inc., Quincy, Mass. Combined power unit and propeller operating mechanism for boats, barges, and the like. Serial No. 487,735; Oct. 15. Class 23.
National Electronics Corporation, Cleveland, Ohio. Electrical apparatus. Serial No. 496,325; Oct. 15. Class 21.
National Starch Products Inc., New York, N. Y. Glue. Serial No. 505,978; Oct. 15. Class 5.
Old Smoky Sales Co., Los Angeles, Calif. Barbecue seasonings. Serial No. 503,148; Oct. 15. Class 46.
Oregon Flax Textiles, Inc., Oakland, Calif. Floor and dish mops. Serial No. 485,029; Oct. 15. Class 29.
Ormont Drug & Chemical Co., Inc., Long Island City, N. Y. Cosmetic, emollient, and dermatological preparations. Serial No. 471,233; Oct. 15. Class 6.
Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, eau de colognes, etc. Serial No. 497,736; Oct. 15. Class 6.
Park Square Manufacturing Company, St. Paul, Minn. Writing paper and correspondence envelopes. Serial No. 496,264; Oct. 15. Class 37.
Patricia Cosmetics: *See*—
Mager, Harry W.
Phoenix Date Company, The, Phoenix, Ariz. Fresh dates. Serial No. 489,675; Oct. 15. Class 46.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Hypochlorites of alkali metals and alkali earth metals. Serial No. 488,612; Oct. 15. Class 6.
Plastray Corporation, Detroit, Mich. Refrigerator ice cube trays and individual ice cube units therefor. Serial No. 506,766; Oct. 15. Class 31.
Polaroid Corporation, Cambridge, Mass. Publications relating to polarization of light. Serial No. 491,504; Oct. 15. Class 38.
Precision Welding and Engineering Company, Cleveland, Ohio. Hand trucks. Serial No. 499,075; Oct. 15. Class 19.
Professional Pharmacal Company, Inc., San Antonio, Tex. Ear drops. Serial No. 488,477; Oct. 15. Class 6.
Quaker Oats Company, The, Chicago, Ill. Rolled Oats. Serial No. 497,881; Oct. 15. Class 46.
Quimby Pump Company, Incorporated, Newark, N. J. Gear pumps. Serial No. 498,454; Oct. 15. Class 23.
Radio Craftsmen, Inc., The, Chicago, Ill. Radio receiving sets. Serial No. 491,119; Oct. 15. Class 21.
Raseman, Richard P., & Elizabeth B. Raseman, Ann Arbor, Mich. Costume jewelry. Serial No. 499,279; Oct. 15. Class 28.
Republic Rubber Division: *See*—
Lee Rubber & Tire Corporation.
Revlon Products Corporation, New York, N. Y. Nail enamel, lipsticks, face powder, and rouge. Serial No. 492,739; Oct. 15. Class 6.
Rocky Ford Seed and Commission Co., The, Rocky Ford, Colo. Popcorn. Serial No. 494,633; Oct. 15. Class 46.
Roland, John F., doing business as Atomac Power Products, Longview, Tex. Brake fluid. Serial No. 498,084; Oct. 15. Class 6.
Roland, John F., doing business as Atomac Power Products, Longview, Tex. Automotive voltage regulators. Serial No. 498,085; Oct. 15. Class 21.
Roland, John F., doing business as Atomac Power Products, Longview, Tex. Automotive fuel pumps, and machinery bearings. Serial No. 498,086; Oct. 15. Class 23.
Rollaway Equipment Company: *See*—
Smith, Adrian J.
Rural Retreat Mills: *See*—
De Bord, Charles L.
Sales Engineering & Training Co., St. Louis, Mo. Publications of educational literature. Serial No. 491,196; Oct. 15. Class 38.
Saltzberg, Jack, doing business under the name Seabreeze Eng. Co., Los Angeles, Calif. Charcoal barbecue stoves. Serial No. 499,920; Oct. 15. Class 34.
San Antonio Portland Cement Co., San Antonio, Tex. Portland cement. Serial No. 502,335; Oct. 15. Class 12.
Sapphire Hosiery Company, Philadelphia, Pa. Hosiery. Serial No. 496,474; Oct. 15. Class 39.
Scharkopf, Frederick J., Valley Stream, Long Island, N. Y. Hand driven circulating water stream and toy boat. Serial No. 503,761; Oct. 15. Class 22.
Schoble Hats, Inc., Philadelphia, Pa. Men's hats. Serial No. 476,307; Oct. 15. Class 39.
Seabreeze Eng. Co.: *See*—
Saltzberg, Jack.
Sears, Roebuck and Co., Chicago, Ill. Cleavers, roofing knives, pocket knives, etc. Serial No. 498,803; Oct. 15. Class 23.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Anesthetic preparation. Serial Nos. 498,317–18; Oct. 15. Class 6.
Shepord, M., & Co., New York, N. Y. Infant's wear. Serial No. 498,933; Oct. 15. Class 39.
Sherwin-Williams Company, The, Cleveland, Ohio. General purpose spray gun apparatus and related equipment. Serial No. 491,933; Oct. 15. Class 23.
Simplex Wire & Cable Company, Cambridge, Mass. Insulated electrical conducting wire and cable. Serial No. 498,722; Oct. 15. Class 21.
Smith, Adrian J., doing business as Rollaway Equipment Company, Los Angeles, Calif. Store service trucks. Serial No. 499,526; Oct. 15. Class 19.
Societe Generale Francaise de Construction Automobile (Societe Anonyme), Paris, France. Automobiles, motorcycles, and motor tricycles. Serial No. 449,654; Oct. 15. Class 19.
Solvent Products, Inc., New York, N. Y. Washing fluid. Serial No. 492,744; Oct. 15. Class 4.
Specialty Products Company, Kansas City, Mo. Kitchen hardware. Serial No. 491,137; Oct. 15. Class 23.
Squibb, E. R., & Sons, New York, N. Y. Antibacterial and analgesic preparations. Serial No. 485,738; Oct. 15. Class 6.
Stanley, John T., Co., Inc., New York, N. Y. Laundry soap. Serial No. 475,985; Oct. 15. Class 4.
Sumo Pumps Limited, West Smethwick, England. Electrical centrifugal pumps. Serial No. 496,872; Oct. 15. Class 23.
Sylvan Lee Products Company, Chicago, Ill. Mattresses. Serial No. 509,913; Oct. 15. Class 32.
Talon Reglet Co., Bremerton, Wash. Interlocking reglets, and counter flashing assemblies for roofs, and the like. Serial No. 496,351; Oct. 15. Class 12.
Textileather Corp., Toledo, Ohio. Coated fabrics and resinous sheet material. Serial No. 484,378; Oct. 15. Class 50.
Twin City Wholesale Grocer Co., St. Paul, Minn. Food products. Serial No. 483,996; Oct. 15. Class 46.
United Aircraft Products, Inc., Dayton, Ohio. Metal baking pans. Serial No. 497,583; Oct. 15. Class 13.
United Distributors, Chicago, Ill. Bracelets and finger rings. Serial No. 498,662; Oct. 15. Class 28.
Vergias, Jean, Paris, France. Perfumes, toilet waters, beauty clays, etc. Serial No. 492,669; Oct. 15. Class 6.
Vestal Chemical Laboratories, Inc., St. Louis, Mo. Germicides. Serial No. 489,998; Oct. 15. Class 6.
Virginia-Lincoln Corporation, Marion, Va. Aircraft structural parts. Serial No. 485,801; Oct. 15. Class 19.
Wallace, Wm. B., De Queen, Ark. Fresh deciduous fruits and fresh vegetables. Serial No. 495,350; Oct. 15. Class 46.
Weber, Ludwig J., New Kensington, Pa. Costume jewelry. Serial No. 495,936; Oct. 15. Class 28.
Weston Electrical Instrument Corporation, Newark, N. J. Electrical measuring and control apparatus. Serial No. 495,262; Oct. 1. Class 26.
Wilkins Company, The: *See*—
Wilkins, Ralph R.
Wilkins, Ralph R., doing business as The Wilkins Company, Cortland, N. Y. Dispenser cabinets. Serial No. 471,111; Oct. 15. Class 2.
Zell Bros., Portland, Oreg. Wedding and diamond rings. Serial No. 479,101; Oct. 15. Class 28.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Cement Plaster Co., St. Louis, Mo., to Certain-teed Products Corporation, Chicago, Ill. Wall-plaster, plaster of Paris, calcined plaster, and stucco. 53,674; renewed June 12, 1946. O. G. Oct. 15. Class 12.
Agency Paper Company, New York, N. Y. Paper sleeve and cuff protectors, paper eraser shields, and a combination of both. 424,662; Oct. 15. Class 37.
Allied Foods, Los Angeles, Calif. Weiners and sauerkraut, barbecue spareribs and sauerkraut, etc. 424,615; Oct. 15; Serial No. 490,350; published July 23, 1946. Class 46.
Alvin Corporation, The: *See*—
Alvin Mfg. Co.
Alvin Silver Co.
Alvin Mfg. Co., New York, N. Y., to The Alvin Corporation, Providence, R. I. Silver tableware, hollow ware, and flat ware. 55,363; re-renewed Aug. 14, 1946. O. G. Oct. 15. Class 28.
Alvin Silver Co., New York, N. Y., to The Alvin Corporation, Providence, R. I. Sterling-silver flatware, hollow ware, and toilet ware, etc. 216,752; renewed Aug. 17, 1946. O. G. Oct. 15. Class 28.
Amalgamated Leather Companies, Inc., Wilmington, Del., Philadelphia, Pa., New York, N. Y., Boston, Mass., Rochester N. Y., Chicago, Ill., and St. Louis, Mo., to Amalgamated Leather Companies, Inc., Wilmington, Del. Shoe dressings and polishes. 220,287; renewed Nov. 9, 1946. O. G. Oct. 15. Class 4.
American Apothecaries Company, New York, to American Apothecaries Company, Long Island City, N. Y. Medical compound. 57,157; re-renewed Nov. 6, 1946. O. G. Oct. 15. Class 6.
American Brake Shoe Company, New York, N. Y., and St. Louis, Mo. Tuyères and blast furnace parts. 424,628; Oct. 15; Serial No. 493,996; published July 16, 1946. Class 34.
American Cellulose & Chemical Manufacturing Company Ltd., The, to Celanese Corporation of America, New York, N. Y. Knitted, netted, and textile fabrics. 220,913; renewed Nov. 16, 1946. O. G. Oct. 15. Class 42.
American Character Doll Co.: *See*—
American Character Doll Co., Inc.
American Character Doll Co., Inc., to American Character Doll Co., New York, N. Y. Dolls. 219,908; renewed Oct. 26, 1946. O. G. Oct. 15. Class 22.
Anc-Co Preserving Co., to The Bama Company, Birmingham, Ala. Mayonnaise, peanut butter, and fruit in sugar. 219,358; renewed Oct. 19, 1946. O. G. Oct. 15. Class 46.
Anderson, Olaf V., doing business as Anderson Tool & Die Works, Providence, R. I. Men's jewelry. 424,667; Oct. 15. Class 28.
Anderson Tool & Die Works: *See*—
Anderson, Olaf V.
Ardee Plastics Company, Inc., New York, N. Y. Toys. 424,673; Oct. 15. Class 22.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Buffers for leg film. 424,600; Oct. 15; Serial No. 485,118; published July 9, 1946. Class 29.
Armour & Company, Chicago, Ill. Lard. 56,864; renewed Oct. 23, 1946. O. G. Oct. 15. Class 46.
Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Corkboard insulation. 424,627; Oct. 15; Serial No. 493,943; published July 16, 1946. Class 12.
Ashburn, Robie G., doing business as Granite Trailer Mfg. Co., Mount Airy, N. C. Trailers. 424,620; Oct. 15; Serial No. 491,748; published July 16, 1946. Class 19.
Atlas Powder Company: *See*—
Eastern Dynamite Company, The.
Augat, Ernest H., Attleboro, Mass. Jewelry findings, and jewelry made wholly or partly of precious metal. 424,622; Oct. 15; Serial No. 493,097; published July 16, 1946. Class 28.
Bama Company, The: *See*—
Anc-Co Preserving Co.
Barekman, Thomas H., Paris, Ill. Medicated healing salve. 220,476; renewed Nov. 9, 1946. O. G. Oct. 15. Class 6.
Bar-K Products Company, Oakland, Calif. Wall towel rack. 424,586; Oct. 15; Serial No. 465,335; published July 23, 1946. Class 13.
Bart, C. W., doing business as Bart's Bakery, Savannah, Ga. Bread. 220,755; renewed Nov. 16, 1946. O. G. Oct. 15. Class 16.
Bart's Bakery: *See*—
Bart, C. W.
Bay City Grocer Co.: *See*—
Lee & Cady.
Beardsley's, J. W., Sons, New York, N. Y., to J. W. Beardsley's Sons, Newark, N. J. Shredded codfish. 55,755; re-renewed Aug. 21, 1946. O. G. Oct. 15. Class 46.
Bemis Bro. Bag Company: *See*—
Bemis Bro. Bag Co.
Bemis Bro. Bag Co., St. Louis, Mo., and Peoria, Ill., to Bemis Bro. Bag Company, St. Louis, Mo. Paper bags. 219,995; renewed Oct. 26, 1946. O. G. Oct. 15. Class 2.
Bird & Son, inc., East Walpole, Mass. Seed, flower, fruit and plant pots. 424,590–1; Oct. 15; Serial Nos. 469,185–6; published July 23, 1946. Class 2.
Birmingham Small Arms Company, Limited, The, Birmingham, England. Automobiles and their component parts. 50,830; re-renewed Apr. 3, 1946. O. G. Oct. 15. Class 19.
Blum, C., doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio. Auxiliary closures. 424,616; Oct. 15; Serial No. 490,523; published July 23, 1946. Class 31.
Bohn, Theodore R., Chicago, Ill. Shampoo. 424,665–6; Oct. 15. Class 6.
Bol, Ltd., New York, N. Y. Fountain pens and fillers. 424,609; Oct. 15; Serial No. 489,646; published July 23, 1946. Class 37.
Brach, E. J., & Sons, Chicago, Ill. Candy. 424,603; Oct. 15; Serial No. 487,165; published July 23, 1946. Class 46.
Brady, J. E.: *See*—
Zinsep Company, The.
British West Indies Co., New York, N. Y. Ladies' purses, pocketbooks, and handbags. 424,679; Oct. 15. Class 3.
Browne, Stewart R., Manufacturing Co. Inc., New York, N. Y. Nonmetallic piston rings. 220,783; renewed Nov. 16, 1946. O. G. Oct. 15. Class 35.

Buerger Brothers Supply Company, The, Denver, Colo. Hair tonic. 220,308; renewed Nov. 9, 1946. O. G. Oct. 15. Class 6.

Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruits. 424,608; Oct. 15; Serial No. 489,561; published July 23, 1946. Class 46.

Carmichael, Thomas, doing business as Plycraft Products Mfg. Co., Centralia, Wash. Wheelbarrows, carts, and wagons. 424,593; Oct. 15; Serial No. 470,406; published July 16, 1946. Clas 19.

Carter-Waters Corporation, The, Kansas City, Mo. Aggregate, such as crushed stone, etc. 424,604; Oct. 15; Serial No. 487,241; published Mar. 19, 1946. Class 12.

Celanese Corporation of America: *See*—
American Cellulose & Chemical Manufacturing Company Ltd., The.

Certain-teed Products Corporation: *See*—
Acme Cement Plaster Co.

Chase Bag Co., New York, N. Y. Twine, cordage, and thread. 220,679; renewed Nov. 16, 1946. O. G. Oct. 15. Class 7.

Chase Industrial Refrigerator Equipment & Engineering Co.: *See*—
Blum, C.

Chicopee Manufacturing Corporation, Chicopee Falls, Mass., to Personal Products Corporation, Milltown, N. J. Sanitary napkins. 215,220; renewed July 13, 1946. O. G. Oct. 15. Class 44.

Colgate & Co., New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Liquid and powder perfumes. 57,034–5; re-renewed Oct. 30, 1946. O. G. Oct. 15. Class 6.

Colgate & Company, to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 219,953; renewed Oct. 26, 1946. O. G. Oct. 15. Class 4.

Colgate-Palmolive-Peet Company: *See*—
Colgate & Co.
Colgate & Company.

Colorado Milling & Elevator Co., The: *See*—
Meyer, John F., & Sons Milling Co.

Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 218,920; renewed Oct. 5, 1946. O. G. Oct. 15. Class 46.

Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 219,296; renewed Oct. 12, 1946. O. G. Oct. 15. Class 46.

Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 219,449; renewed Oct. 19, 1946. O. G. Oct. 15. Class 46.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 424,606; Oct. 15; Serial No. 487,993; published July 23, 1946. Class 17.

Cook Paint & Varnish Company, North Kansas City, Mo. Sealer for wood surfaces. 424,655; Oct. 15. Class 16.

Cosa Corporation, New York, N. Y. Watches. 424,599; Oct. 15; Serial No. 484,483; published July 9, 1946. Class 27.

Cruse & Fils Freres, Bordeaux, France. Wines. 424,663; Oct. 15. Class 47.

Daniel, Chas. A., to Quaker Rubber Corporation, Philadelphia, Pa. Machinery-packing. 52,414; re-renewed May 8, 1946. O. G. Oct. 15. Class 35.

Dietrich, Herbert J., Upper Darby, Pa. Gift wrapping papers. 424,664; Oct. 15. Class 37.

Dodge, A., W., Clothespin Manufacturing Company, Coudersport, Pa., to The Wallace Corporation, St. Louis County, Mo. Clothes-pins. 56,705; re-renewed Oct. 16, 1946. O. G. Oct. 15. Class 24.

Douglas, W. L., Shoe Company: *See*—
Douglas, W. L., Shoe Co.

Douglas, W. L., Shoe Co., Portland, Maine, to W. L. Douglas Shoe Company, Brockton, Mass. Leather boots and shoes. 53,799–800; re-renewed June 12, 1946. O. G. Oct. 15. Class 39.

Du Pont, E. I., de Nemours and Company: *See*—
Grasselli Chemical Company, The.

Eastern Dynamite Company, The, Kenvil, N. J., to Atlas Powder Company, Wilmington, Del. High explosives. 57,364; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 9.

Eastern Dynamite Company, The, Kenvil, N. J., to Atlas Powder Company, Wilmington, Del. High explosives. 57,421; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 9.

Economy Freezer Supply Company: *See*—
Penachio, Chas.

El Paraiso de Purua Fuentes Termales, S. A., Mexico City, Mexico. Mineral water and carbonated beverages. 424,631; Oct. 15; Serial No. 494,436; published July 16, 1946. Class 45.

Esterbrook Pen Company, The: *See*—
Esterbrook Steel Pen Manufacturing Company, The.

Esterbrook Steel Pen Manufacturing Company, The, to The Esterbrook Pen Company, Camden, N. J. Writing pens. 220,344; renewed Nov. 9, 1946. O. G. Oct. 15. Class 37.

Fawcett Publications, Inc., Greenwich, Conn. Weekly newsletter and newspaper. 424,680; Oct. 15. Class 38.

Federation of Paint and Varnish Production Clubs, Philadelphia, Pa. Information circulars. 424,677; Oct. 15. Class 38.

Finch Acoustical Materials Company: *See*—
Finch, Harold L.

Finch, Harold L., doing business as Finch Acoustical Materials Company, Davenport, Iowa. Metallic clip-splines. 424,630; Oct. 15; Serial No. 494,266; published July 16, 1946. Class 12.

Florence Manufacturing Company, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth-brushes. 52,808; re-renewed May 15, 1946. O. G. Oct. 15. Class 29.

Florence Manufacturing Company, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth-brushes. 53,373–4; re-renewed June 5, 1946. O. G. Oct. 15. Class 29.

Florence Manufacturing Company, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth-brushes. 53,546; re-renewed June 5, 1946. O. G. Oct. 15. Class 29.

Florence Manufacturing Company, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair, clothes, and hat brushes. 55,063; re-renewed Aug. 7, 1946. O. G. Oct. 15. Class 29.

Florence Manufacturing Company, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth-brushes. 55,064; re-renewed Aug. 7, 1946. O. G. Oct. 15. Class 29.

Forbes, Alexander, & Co., Newark, N. J. Seeds, bulbs, and plants. 217,406; renewed Aug. 31, 1946. O. G. Oct. 15. Class 1.

Foster, M. B., & Sons, Limited: *See*—
Machen, C., & Hudson.

Fox, Samuel, & Company, Limited: *See*—
Fox, Samuel, & Co., Limited.

Fox, Samuel, & Co., Limited, Stocksbridge Works, near Sheffield, to Samuel Fox & Company Limited, Sheffield, England. Umbrella-frames. 53,900; re-renewed June 12, 1946. O. G. Oct. 15. Class 41.

Fox, Samuel, & Co., Limited, Stocksbridge Works, near Sheffield, to Samuel Fox & Company, Limited, Sheffield, England. Umbrella-frames of metal. 53,901; re-renewed June 12, 1946. O. G. Oct. 15. Class 41.

Frink Creamery Company, The, Larkspur, to The Frink Creamery Company, Denver, Colo. Cheese and butter. 220,062; renewed Nov. 2, 1946. O. G. Oct. 15. Class 46.

Frosted Food Field, Inc., New York, N. Y. Periodical. 424,675; Oct. 15. Class 38.

Geisler, Max, to Max Geisler Bird Co., Omaha, Nebr. Song-birds. 50,853; re-renewed Apr. 3, 1946. O. G. Oct. 15. Class 1.

Geisler, Max, Bird Co.: *See*—
Geisler, Max.

General Engineering Co.: *See*—
Weggel, Erwin J.

General Fireproofing Co., The, Youngstown, Ohio. Filing cabinets. 424,652; Oct. 15; Serial No. 498,059; published July 23, 1946. Class 32.

Gilbert Paper Company, Menasha, Wis. Bond paper. 220,276; renewed Nov. 9, 1946. O. G. Oct. 15. Class 37.

Gilman Fanfold Corporation, Limited, Toronto, Ontario, Canada, and Niagara Falls, N. Y., to Moore Business Forms, Inc., Elmira and Niagara Falls, N. Y. Aligning machines. 213,626; renewed June 1, 1946. O. G. Oct. 15. Class 23.

Goldschmidt Chemical Corporation: *See*—
Goldschmidt, Th., Corporation.

Goldschmidt, Th., Corporation, to Goldschmidt Chemical Corporation, New York, N. Y. Fluxing material. 220,738; renewed Nov. 16, 1946. O. G. Oct. 15. Class 6.

Gorby, M. Gregory, Wilmington and Newport Beach, Calif. Canned fish. 424,671; Oct. 15. Class 46.

Granite Trailer Mfg. Co.: *See*—
Ashburn, Robie G.

Grasselli Chemical Company, The, Cleveland, Ohio, to E. I. du Pont de Nemours and Company, Wilmington, Del. Silicate of soda. 216,951; renewed Aug. 24, 1946. O. G. Oct. 15. Class 6.

Great American Tea Company, The, Brooklyn, to The Great American Tea Company, New York, N. Y. Soaps and cleaners. 220,795; renewed Nov. 16, 1946. O. G. Oct. 15. Class 4.

Great Lakes Coal & Dock Co., St. Paul, Minn. Fuel. 424,598; Oct. 15; Serial No. 483,687; published July 23, 1946. Class 1.

Greentree, Meyer, Richmond, Va. Certain articles of clothing for men, boys, and children. 220,425; renewed Nov. 9, 1946. O. G. Oct. 15. Class 39.

Grocers' Baking Company, Louisville, Ky. Bread. 219,396; renewed Oct. 19, 1946. O. G. Oct. 15. Class 46.

Gutchess, H. C., Co., Inc., The: *See*—
Gutchess, Hubert C.

Gutchess, Hubert C., to The H. C. Gutchess Co., Inc., Port Byron, N. Y. Pie-fillings. 52,777; re-renewed May 15, 1946. O. G. Oct. 15. Class 46.

Haller, W. A., Company, Inc., Pittsburgh and Philadelphia, Pa. Potable, distilled spiritous beverages, particularly whiskey. 424,637; Oct. 15; Serial No. 496,308; published July 16, 1946. Class 49.

Hanover Cordage Company, Hanover, Pa. Coarse-finished twines. 219,540; renewed Oct. 19, 1946. O. G. Oct. 15. Class 7.

Hanover Cordage Company, Hanover, Pa. Tube rope, jute wrapping twines, and jute millers' twines. 219,541; renewed Oct. 19, 1946. O. G. Oct. 15. Class 7.

Hanover Cordage Company, Hanover, Pa. Wall-paper twine. 219,542; renewed Oct. 19, 1946. O. G. Oct. 15. Class 7.

Hanover Cordage Company, Hanover, Pa. Hemp tarred goods. 220,779; renewed Nov. 16, 1946. O. G. Oct. 15. Class 7.

Hanover Cordage Company, Hanover, Pa. Jute tarred goods. 220,781; renewed Nov. 16, 1946. O. G. Oct. 15. Class 7.

Harvel Watch Company, New York, N. Y. Watches, watch-movements, watchcases, etc. 424,681; Oct. 15. Class 27.

Hathaway, Dell M.: *See*—
Lybarger, Ulysses S.

Hearst Consolidated Publications, Inc.: *See*—
New York Evening Journal, Inc.

Heckethorn Manufacturing & Supply Co., Littleton, Colo. Lawn sprinklers. 424,640–2; Oct. 15; Serial Nos. 496,381–3; published July 23, 1946. Class 13.

Hills Brothers Company, The, New York, N. Y. Fard dates. 219,528–9; renewed Oct. 19. 1946. O. G. Oct. 15. Class 46.

Hoffman Radio Corporation, Los Angeles, Calif. Radio receiving apparatus and parts thereof. 424,657; Oct. 15. Class 21.

Hohner, M., Firm of, to M. Hohner, Inc., New York, N. Y. Mouth-harmonicas. 57,457; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 36.

Hohner, M., Firm of, to M. Hohner, Inc., New York, N. Y. Mouth-harmonicas. 57,507; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 36.

Hohner, M., Firm of, to M. Hohner, Inc., New York, N. Y. Mouth-harmonicas and accordions. 57,508; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 36.

Hohner, M., Inc.: *See*—
Hohner, M., Firm of.

Horlacher Brewing Company, Allentown, Pa. Beer. 424,674; Oct. 15. Class 48.

Hough, Charles N., Manufacturing Co., The, Franklin, Pa. Noncorrosive steel ball and seat for an oil-well working-barrel valve and oil-well pump valve. 220,144; renewed Nov. 2, 1946. O. G. Oct. 15. Class 13.

Hudson, J. L., Company, The, Detroit, Mich. Men's suits and overcoats. 220,311; renewed Nov. 9, 1946. O. G. Oct. 15. Class 39.

Independent Refining Company, to Quaker State Oil Refining Corporation, Oil City, Pa. Motor oils, kerosene, gasoline, etc. 216,661; renewed Aug. 17, 1946. O. G. Oct. 15. Class 15.

International Silver Company, Meriden, Conn. Silver-plated hollow ware. 52,757; re-renewed May 15, 1946. O. G. Oct. 15. Class 28.

International Silver Company, Meriden, Conn. Silver-plated hollow ware. 57,329; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 28.

International Silver Company, Meriden, Conn. Plated flat ware for table use. 57,458; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 28.

International Silver Company, Meriden, Conn. Plated flat-ware for table use. 57,509; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 28.

International Silver Company, Meriden, Conn. Plated flat-ware for table use. 57,560; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 28.

International Silver Company, Meriden and Bridgeport, to International Silver Company, Meriden, Conn. Unplated base-alloy flatware. 217,250; renewed Aug. 31, 1946. O. G. Oct. 15. Class 23.

Joycraft Manufacturing Co.: *See*—
Singer, Betty.

Juvenile Health Products: *See*—
Ressinger, Paul M.

Kangaroo, Columbus, Ohio. Serving trays, juvenile or child's furniture. 424,594; Oct. 15; Serial No. 478,128; published July 23, 1946. Class 32.

Kaplan, Lazare, & Sons, Inc., New York, N. Y. Diamonds. 424,644–5; Oct. 15; Serial Nos. 496,710–11; published July 16, 1946. Class 28.

Kaplan, Lazare, & Sons, Inc., New York, N. Y. Diamonds. 424,646–7; Oct. 15; Serial Nos. 496,713–14; published July 16, 1946. Class 28.

Kaplan, Lazare, & Sons, Inc., New York, N. Y. Diamonds. 424,648–9; Oct. 15; Serial Nos. 496,716–17; published July 16, 1946. Class 28.

Keever Starch Company, The, Columbus, Ohio. Wheat paste. 424,651; Oct. 15; Serial No. 497,719; published July 23, 1946. Class 5.

Keith, Ben E., Company, Fort Worth, Dallas, Longvier, Wichita Falls, Abilene, and Lubbock, Tex. Fresh citrus and deciduous fruits, fresh vegetables and nuts. 424,670; Oct. 15. Class 46.

Kelly, William, Milling Co., The, Hutchinson, Kans. Wheat flour. 424,653; Oct. 15; Serial No. 498,527; published July 23, 1946. Class 46.

Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Porosity filters and strainers. 424,601; Oct. 15; Serial No. 485,293; published July 23, 1946. Class 31.

Kresno-Stamm Mfg. Co.: *See*—
Stamm, B. I. J.

Lee & Cady, doing business as Bay City Grocer Co., Bay City, to Lee & Cady, Ferndale, Mich. Bread and pastry wheat flour. 214,135; renewed June 15, 1946. O. G. Oct. 15. Class 46.

Leggett, Francis H., & Company, New York, N. Y. Sauce for meat products. 424,610; Oct. 15; Serial No. 489,876; published July 23, 1946. Class 46.

Legrand, Oriza L., Inc., Wilmington, Del., and New York, N. Y., to Oriza, Ltd., New York, N. Y. Soaps. 220,698; renewed Nov. 16, 1946. O. G. Oct. 15. Class 4.

Levine, Rubin, & Co., New York, N. Y. Straw braid for millinery purposes. 424,661; Oct. 15. Class 40.

Lindt & Sprungli, Inc.: *See*—
Soc. An. Des Fabriques Bernoises & Zuricoises De Chocolat Lindt & De Chocolat Sprüngli.

Link-Belt Company, Chicago, Ill. Chains. 220,198–9; renewed Nov. 2, 1946. O. G. Oct. 15. Class 13.

Link-Belt Company, Chicago, Ill. Chains. 220,207; renewed Nov. 2, 1946. O. G. Oct. 15. Class 13.

Lipschutz, J., & Co., New York, N. Y. Watches and watch movements. 424,682; Oct. 15. Class 27.

Lisle Mills, Allentown, Pa. Underwear and sweaters, blouses for women and children, rompers, etc. 424,678; Oct. 15. Class 39.

Little Rock Tent & Awning Company, Little Rock, Ark. Tents, wagon and truck covers, and tarpaulins. 220,107; renewed Nov. 2, 1946. O. G. Oct. 15. Class 50.

Lybarger, Ulysses S., doing business as Nabob Hatcheries and Poultry Co., and Nabob Seed and Plant Co., to D. M. Hathaway, doing business as Nabob Hatcheries and Poultry Company, Gambier, Ohio. Baby chicks and live poultry. 219,791; renewed Oct. 26, 1946. O. G. Oct. 15. Class 46.

Lyon, Paul E., Seattle, Wash. Child's gocart. 424,614; Oct. 15; Serial No. 490,318; published July 16, 1946. Class 19.

Machen, C., & Hudson, Liverpool, to M. B. Foster & Sons, Limited, London, England. Ale and stout. 51,802; re-renewed Apr. 24, 1946. O. G. Oct. 15. Class 48.

Manheimer, Louis, & Bros., Chicago, Ill., to Louis Manheimer & Bros. Inc., New York, N. Y. Watch-movements and watchcases. 54,835; re-renewed July 13, 1946. O. G. Oct. 15. Class 27.

Manheimer, Louis, & Bros. Inc.: *See*—
Manheimer, Louis, & Bros.

Marco Importing Co., Chicago, Ill. Wines. 424,587; Oct. 15; Serial No. 468,523; published July 16, 1946. Class 47.

Marshall-Wells Company, Duluth, Minn. Coal stokers. 424,597; Oct. 15; Serial No. 482,432; published July 23, 1946. Class 34.

Martin, J. B., Company, Norwich, Conn. Pile-fabric piece goods. 220,914–16; renewed Nov. 16, 1946. O. G. Oct. 15. Class 42.

Martin, J. B., Company, Norwich, Conn. Pile-fabric piece goods. 220,924; renewed Nov. 16, 1946. O. G. Oct. 15. Class 42.

Martineau & Burke Leather Corp., Boston, Mass. Leather. 424,618; Oct. 15; Serial No. 491,579; published July 23, 1946. Class 1.

McArthur, Warren, Corporation, Bantam, Conn. Seats for use in aircraft and railroad cars. 424,633; Oct. 15; Serial No. 495,203; published July 16, 1946. Class 19.

McDonald, E. E., and F. M. Ziegler, Lynwood, Calif. Lumber. 424,617; Oct. 15; Serial No. 491,347; published July 23, 1946. Class 12.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazine. 424,687; Oct. 15. Class 38.

Meyer, John F., & Sons Milling Co., St. Louis and Springfield, Mo., to The Colorado Milling & Elevator Co., Denver, Colo. Wheat-flour. 57,596; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 46.

Midland Steel Products Company, The, Cleveland, Ohio. Combined vacuum-hydraulic or air-hydraulic equipment and parts therefor. 424,660; Oct. 15. Class 19.

Mido Societe Anonyme, Bienne, Switzerland. Watches, watch casings, and parts of watches. 424,613; Oct. 15; Serial No. 490,201; July 16, 1946. Class 27.

Monarch Leather Company, Chicago, Ill. Leather. 424,595; Oct. 15; Serial No. 478,137; published July 23, 1946. Class 1.

Moore Business Forms, Inc.: *See*—
Gilman Fanfold Corporation, Limited.

Moore Company, The: *See*—
Moore, Robert D.

Moore, Robert D., doing business as The Moore Company, Kansas City, Mo. Electric and non-electric fans. 424,656; Oct. 15. Class 34.

Morey, C. S., Mercantile Company, The, to The Morey Mercantile Company, Denver, Colo. Coffee. 52,130; re-renewed May 1, 1946. O. G. Oct. 15. Class 46.

Morey Mercantile Company, The: *See*—
Morey, C. S., Mercantile Company, The.

Mussells, H. C., Company, Oakland and Berkeley, Calif. Finger rings, earrings, pendants, etc. 424,626; Oct. 15; Serial No. 493,892; published July 16, 1946. Class 28.

Nabob Hatcheries and Poultry Co.: *See*—
Lybarger, Ulysses S.

Nabob Hatcheries and Poultry Company: *See*—
Lybarger, Ulysses S.

Nabob Seed and Plant Co.: *See*—
Lybarger, Ulysses S.

National Aluminum Manufacturing Co., Peoria, Ill. Aluminumware cooking utensils. 424,612; Oct. 15; Serial No. 490,130; published July 23, 1946. Class 13.

National Trading Company, Inc., Hickory, N. C. Tractor and truck trailers. 424,605; Oct. 15; Serial No. 487,567; published July 9, 1946. Class 19.

New York Evening Journal, Inc., to Hearst Consolidated Publications, Inc., New York, N. Y. Newspaper section. 213,012; renewed May 18, 1946. O. G. Oct. 15. Class 38.

New York Merchandise Co., Inc., New York, N. Y. Empty compacts. 424,602; Oct. 15; Serial No. 486,431; published July 23, 1946. Class 2.

Old Hickory Paddle Co.: *See*—
Rader, John C.

Olds, Edward A., New York, N. Y., to Packers Tar Soap, Inc., New York, N. Y., and Mystic, Conn. Toilet and medicinal lotions. 53,525; re-renewed June 5, 1946. O. G. Oct. 15. Class 6.

Omaha Packing Company, to Omaha Packing Company, Chicago, Ill. Salami dry sausage. 219,176; renewed Oct. 12, 1946. O. G. Oct. 15. Class 46.

Oriza, Ltd.: *See*—
Legrand, Oriza L., Inc.

Packers Tar Soap, Inc.: *See*—
Olds, Edward A.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Semi-liquid roof coating products, etc. 424,611; Oct. 15; Serial No. 490,031; published July 23, 1946. Class 12.

Paper Specialty Company, Wausau, Wis. Barbers' headrest paper, toilet paper, and paper for lining shelves, etc. 219,367; renewed Oct. 19, 1946. O. G. Oct. 15. Class 37.

Paper Supply Company, Inc., Minneapolis, Minn. Bond paper. 220,385; renewed Nov. 9, 1946. O. G. Oct. 15. Class 37.

Para Manufacturing Company, Incorporated, Newark, N. J. Shower curtains and matching window drapes. 424,621; Oct. 15; Serial No. 492,337; published Apr. 2, 1946. Class 13.

Patek Brothers, Inc., Milwaukee, Wis. Filler primer paint. 219,366; renewed Oct. 19, 1946. O. G. Oct. 15. Class 16.

Penachio, Chas., doing business as Economy Freezer Supply Company, Cos Cob, Conn. Electrical appliances. 424,629; Oct. 15; Serial No. 494,114; published July 23, 1946. Class 31.

Penn Worsted Company, Philadelphia, Pa. Feather-filler linings for heat insulation. 424,658; Oct. 15. Class 12.

Pennsylvania Salt Manufacturing Company, The: *See*—
Sterling Products Company.

Personal Products Corporation: *See*—
Chicopee Manufacturing Corporation.

Phillips Petroleum Company, Bartlesville, Okla. Gasket cement. 424,588; Oct. 15; Serial No. 468,723; published July 23, 1946. Class 5.

Phillips Petroleum Company, Bartlesville, Okla. Oil filter cartridges. 424,589; Oct. 15; Serial No. 468,734; published July 23, 1946. Class 31.

Pickering Governor Company, The, Portland, Conn. Engine-governors. 57,470; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 23.

Pierce, Ray V., to Pierce's Proprietaries, Inc., Buffalo, N. Y. Pills, pellets, or granules. 57,519; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 6.

Pierce's Proprietaries, Inc.: *See*—
Pierce, Ray V.

Pillsbury Flour Mills Company, Minneapolis, Minn., now by merger Pillsbury Mills, Inc. Feeds containing soy for poultry, hogs, cattle, etc. 424,654; Oct. 15. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Pioneer Suspender Company, Philadelphia, Pa. Hose supporters. 53,272; re-renewed May 29, 1946. O. G. Oct. 15. Class 39.

Pittsburgh Plate Glass Company: *See*—
Pittsburgh Plate Glass Company, Rennous-Kleinle Division.

Pittsburgh Plate Glass Company, Rennous-Kleinle Division, Baltimore, Md., to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Certain named brushes, and painters' and stair dusters. 214,799; renewed July 6, 1946. O. G. Oct. 15. Class 29.

Plycraft Products Mfg. Co.: *See*—
Carmichael, Thomas.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Wheel barrows, baby carriages, and bicycles. 424,607; Oct. 15; Serial No. 488,422; published July 16, 1946. Class 19.

Prill, Edward, & Sons, assignor to Prill Silver Company, Inc., New York, N. Y. Hollow ware, flatware, and silverware. 424,634; Oct. 15; Serial No. 495,500; published July 16, 1946. Class 28.

Prill Silver Company, Inc.: *See*—
Prill, Edward, & Sons.

Pro-phy-lac-tic Brush Company: *See*—
Florence Manufacturing Company.

Quaker Rubber Corporation: *See*—
Daniel, Chas. A.

Quaker State Oil Refining Corporation: *See*—
Independent Refining Company.

Rader, John C., doing business as Old Hickory Paddle Co., Danville, Ind. Decorative paddle. 424,688; Oct. 15. Class 50.

Refined Syrups & Sugars, Inc., Yonkers, N. Y. Syrup for flavoring and sweetening of soft drinks and other beverages. 424,659; Oct. 15. Class 45.

Reliable Paper Company, Chicago, Ill. Photo masking paper. 424,619; Oct. 15; Serial No. 491,588; published July 23, 1946. Class 37.

Ressinger, Paul M., doing business as Juvenile Health Products, Chicago, Ill. Gocarts. 424,585; Oct. 15; Serial No. 464,182; published July 16, 1946. Class 19.

Richkraft Company, The, Chicago, Ill. Building paper. 424,624–5; Oct. 15; Serial Nos. 493,828–9; published July 16, 1946. Class 12.

Richmond Belt Dressing Mfg. Co., Inc., Richmond, Va. Compound which prevents the slipping of machinery belts. 220,374; renewed Nov. 9, 1946. O. G. Oct. 15. Class 4.

Schaeffer, Charles, doing business as Schaeffer's, Cleveland, Ohio. Watch bracelets. 424,638; Oct. 15; Serial No. 496,336; published July 16, 1946. Class 28.

Schaeffer's: *See*—
Schaeffer, Charles.

Schieffelin & Co., New York, N. Y. Rum. 424,668; Oct. 15. Class 49.

Schieren, Chas. A., Company, New York, N. Y. Machine belting. 220,706; renewed Nov. 16, 1946. O. G. Oct. 15. Class 35.

Scholfield, Kenneth L., doing business as Wiley Beverage Company, Winfield, Kans. Non-alcoholic, non-cereal, maltless beverages. 424,684; Oct. 15. Class 45.

Scofield, Noel P., New York, N. Y. Photographic record cards. 424,686; Oct. 15. Class 37.

Singer, Betty, doing business as Joycraft Manufacturing Co., New York, N. Y. Decorative and ornamental trims. 424,683; Oct. 15. Class 40.

Smalley Products Co.: *See*—
Smalley, Theodore L.

Smalley, Theodore L., doing business as Smalley Products Co., New London, Conn. Storm screen windows and doors. 424,643; Oct. 15; Serial No. 496,581; published July 23, 1946. Class 12.

Smith, Alyson E., San Francisco, Calif. Monthly published magazine. 424,669; Oct. 15. Class 38.

Soc. An. Des Fabriques Bernoises & Zuricoises De Chocolat Lindt & De Chocolat Sprüngli, Kilchber near Zurich, Switzerland, to Lindt & Sprungli, Inc., New York, N. Y. Chocolate. 57,613; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 46.

Southworth Company, Mittineague, to Southworth Company, West Springfield, Mass. Writing-paper. 57,545; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 37.

Southworth Company, Mittineague, to Southworth Company, West Springfield, Mass. Writing-paper. 57,570; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 37.

Sowa, Andrew P., Waterbury, Conn. Pyrophoric cigar and cigarette lighters. 424,635; Oct. 15; Serial No. 495,518; published July 23, 1946. Class 34.

Spalding, A. G., & Bros., New York, N. Y., to A. G. Spalding & Bros. Inc., Chicopee, Mass. Tennis rackets. 214,768; renewed July 6, 1946. O. G. Oct. 15. Class 22.

Spalding, A. G., & Bros. Inc.: *See*—
Spalding, A. G., & Bros.

Stamm, B. I. J., doing business as Kresno-Stamm Mfg. Co., New York, N. Y. Oil and gas hot water heaters and boilers. 424,596; Oct. 15; Serial No. 481,679; published July 23, 1946. Class 34.

Standard Brands Incorporated, New York, N. Y. Canned mixed vegetable juices. 424,632; Oct. 15; Serial No. 494,803; published July 23, 1946. Class 46.

Stanley Company of America, Philadelphia, Pa. Motion pictures. 220,695; renewed Nov. 16, 1946. O. G. Oct. 15. Class 26.

Sterling Products Company, Easton, to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Chemical preparations. 222,344; renewed Dec. 28, 1946. O. G. Oct. 15. Class 6.

Stifel, J. L., & Sons, to J. L. Stifel & Sons, Inc., Wheeling, W. Va. Cotton piece goods. 220,912; renewed Nov. 16, 1946. O. G. Oct. 15. Class 42.

Stifel, J. L., & Sons, Inc.: *See*—
Stifel, J. L., & Sons.

Stone, George A., doing business as Tubular Weaving Company, Columbus, Ohio. Fibrous glass insulating materials. 424,592; Oct. 15; Serial No. 469,313; published July 16, 1946. Class 12.

Strand Fisheries: *See*—
Strand, Gus.

Strand, Gus, doing business as Strand Fisheries and as Strand Pioneer Fisheries, Aberdeen, Wash. Canned salmon. 220,889; renewed Nov. 16, 1946. O. G. Oct. 15. Class 46.

Strand Pioneer Fisheries: *See*—
Strand, Gus.

Stricker, George J., New York, N. Y. Hosiery. 424,685; Oct. 15. Class 39.

Sun Oil Company, Philadelphia, Pa. Pneumatic tire and inner tube repair kits. 424,639; Oct. 15; Serial No. 496,350; published July 23, 1946. Class 35.

Syndicate-Alliance Trading Co., Inc.: *See*—
Syndicate Trading Co.

Syndicate Trading Co., to Syndicate-Alliance Trading Co., Inc., New York, N. Y. Hosiery. 220,479; renewed Nov. 9, 1946. O. G. Oct. 15. Class 39.

Travel Corporation, Chicago, Ill. Merchandise tubing. 424,672; Oct. 15. Class 2.

Tubular Weaving Company: *See*—
Stone, George A.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 56,118–20; re-renewed Aug. 28, 1946. O. G. Oct. 15. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 56,124; re-renewed Aug. 28, 1946. O. G. Oct. 15. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 56,126; re-renewed Aug. 28, 1946. O. G. Oct. 15. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 56,189–94; re-renewed Aug. 28, 1946. O. G. Oct. 15. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 56,196; re-renewed Aug. 28, 1946. O. G. Oct. 15. Class 2.

Union Bag & Paper Corporation: *See*—
Union Bag & Paper Company, The.

Union Pharmacal Company: *See*—
Zinsep Company, The.

United States Time Corporation, The, Waterbury, Conn. Watches and clocks, both cased and uncased, and parts therefor. 424,623; Oct. 15; Serial No. 493,575; published July 16, 1946. Class 27.

Vendo Company, The, Kansas City, Mo. Cook stoves. 424,636; Oct. 15; Serial No. 496,001; published July 16, 1946. Class 34.

Wagner, John, & Sons, Philadelphia, Pa. Whisky. 57,616; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 49.

Wailes Dove-Hermiston Corporation: *See*—
Wailes Dove-Hermiston Corp.

Wailes Dove-Hermiston Corp., New York, N. Y., to Wailes Dove-Hermiston Corporation, Westfield, N. J. Condenser paints. 216,709; renewed Aug. 17, 1946. O. G. Oct. 15. Class 16.

Wales, Nathaniel B., Jr., New York, N. Y. Co-axial contra-rotating aircraft. 424,584; Oct. 15; Serial No. 460,639; published July 16, 1946. Class 19.

Wallace Corporation, The: *See*—
Dodge, A. W., Clothespin Manufacturing Company.

Wedler-Shuford Co., St. Louis, Mo. Certain accessories for automobiles. 217,472; renewed Aug. 31, 1946. O. G. Oct. 15. Class 19.

Weggel, Erwin J., doing business as General Engineering Co., Bay City, Mich. Incinerators. 424,650; Oct. 15; Serial No. 496,743; published July 23, 1946. Class 34.

Westinghouse Electric Corporation: *See*—
Westinghouse Electric & Manufacturing Company.

Westinghouse Electric & Manufacturing Company, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vacuum tubes. 214,432–3; renewed June 22, 1946. O. G. Oct. 15. Class 21.

Westinghouse Electric & Manufacturing Company, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric fans. 219,604; renewed Oct. 19, 1946. O. G. Oct. 15. Class 21.

Whipple Company, The: *See*—
Whipple Co-Operative Company.

Whipple Co-Operative Company, to The Whipple Company, Natick, Mass. Mince-meat. 57,618; re-renewed Nov. 13, 1946. O. G. Oct. 15. Class 46.

White, S. S., Dental Manufacturing Company, The: *See*—
White, S. S., Dental Mfg. Co., The.

White, S. S., Dental Mfg. Co., The, Philadelphia, Pa., Chicago, Ill., New York, Brooklyn, and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Gutta-percha tooth-filling. 53,152; re-renewed May 29, 1946. O. G. Oct. 15. Class 44.

White, S. S., Dental Mfg. Co., The, Philadelphia, Pa., Chicago, Ill., New York, Brooklyn, and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Polishing and abrading strips. 53,565; re-renewed June 5, 1946. O. G. Oct. 15. Class 44.

Wiley Beverage Company: *See*—
Scholfield, Kenneth L.

Wolff-Alport Chemical Corporation, The, Brooklyn, N. Y. Vulcanization accelerators. 220,754; renewed Nov. 16, 1946. O. G. Oct. 15. Class 6.

World Bestos Corporation, Paterson, N. J. Transmission, brake, and friction linings. 220,427; renewed Nov. 9, 1946. O. G. Oct. 15. Class 35.

Ziegler, Frank M.: *See*—
McDonald, E. E., and Ziegler.

Ziff-Davis Publishing Co., Chicago, Ill. Magazine. 424,676; Oct. 15. Class 38.

Zinsep Company, The, Kansas City, Mo., and Grand Island, Nebr., to J. E. Brady, doing business as Union Pharmacal Company, Kansas City, Mo. Medical compound. 219,575; renewed Oct. 19, 1946. O. G. Oct. 15. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fuel. Great Lakes Coal & Dock Co. 424,598; Oct. 15; Serial No. 483,687; published July 23, 1946.

Leather. Martineau & Burke Leather Corp. 424,618; Oct. 15; Serial No. 491,579; published July 23, 1946.

Leather. Monarch Leather Company. 424,595; Oct. 15; Serial No. 478,137; published July 23, 1946.

Seeds, bulbs, and plants. Alexander Forbes & Co. 217,406; renewed Aug. 31, 1946. O. G. Oct. 15.

Song-birds. M. Geisler. 50,853; re-renewed Apr. 3, 1946. O. G. Oct. 15.

CLASS 2

Bags, Paper. Bemis Bro. Bag Co. 219,995; renewed Oct. 26, 1946. O. G. Oct. 15.

Bags, Paper. Union Bag & Paper Company. 56,118–20; re-renewed Aug. 28, 1946. O. G. Oct. 15.

Bags, Paper. Union Bag & Paper Company. 56,124; re-renewed Aug. 28, 1946. O. G. Oct. 15.

Bags, Paper. Union Bag & Paper Company. 56,126; re-renewed Aug. 28, 1946. O. G. Oct. 15.

Bags, Paper. Union Bag & Paper Company. 56,189–94; re-renewed Aug. 28, 1946. O. G. Oct. 15.

Bags, Paper. Union Bag & Paper Company. 56,196; re-renewed Aug. 28, 1946. O. G. Oct. 15.

Compacts, Empty. New York Merchandise Co., Inc. 424,602; Oct. 15; Serial No. 486,431; published July 23, 1946.

Pots, Seed, flower, fruit, and plant. Bird & Son, inc. 424,590–1; Oct. 15; Serial Nos. 469,185–6; published July 23, 1946.

Tubing, Merchandise. Traver Corporation. 424,672; Oct. 15.

CLASS 3

Purses, pocketbooks, and handbags, Ladies'. British West Indies Co. 424,679; Oct. 15.

CLASS 4

Compound which prevents the slipping of machinery belts. Richmond Belt Dressing Mfg. Co., Inc. 220,374; renewed Nov. 9, 1946. O. G. Oct. 15.

Dressings and polishes, Shoe. Amalgamated Leather Companies, Inc. 220,287; renewed Nov. 9, 1946. O. G. Oct. 15.

Soap. Colgate & Company. 219,953; renewed Oct. 26, 1946. O. G. Oct. 15.

Soaps. Oriza L. Legrand, Inc. 220,698; renewed Nov. 16, 1946. O. G. Oct. 15.

Soaps and cleaners. Great American Tea Company. 220,795; renewed Nov. 16, 1946. O. G. Oct. 15.

CLASS 5

Cement, Gasket. Phillips Petroleum Company. 424,588; Oct. 15; Serial No. 468,723; published July 23, 1946.

Paste, Wheat. Keever Starch Company. 424,651; Oct. 15; Serial No. 497,719; published July 23, 1946.

CLASS 6

Chemical preparations. Sterling Products Company. 222,344; renewed Dec. 28, 1946. O. G. Oct. 15.

Fluxing material. Th. Goldschmidt Corporation. 220,738; renewed Nov. 16, 1946. O. G. Oct. 15.

Lotions, Toilet and medicinal. E. A. Olds. 53,525; re-renewed June 5, 1946. O. G. Oct. 15.

Medical compound. American Apothecaries Company. 57,157; re-renewed Nov. 6, 1946. O. G. Oct. 15.

Medical compound. Zinsep Company. 219,575; renewed Oct. 19, 1946. O. G. Oct. 15.

Pills, pellets, or granules. R. V. Pierce. 57,519; re-renewed Nov. 13, 1946. O. G. Oct. 15.

Powder and perfumes, Liquid. Colgate & Co. 57,034–5; re-renewed Oct. 30, 1946. O. G. Oct. 15.

Salve, Medicated healing. T. H. Barekman. 220,476; renewed Nov. 9, 1946. O. G. Oct. 15.

Shampoo. T. R. Bohn. 424,665–6; Oct. 15.

Soda, Silicate of. Grasselli Chemical Company. 216,951; renewed Aug. 24, 1946. O. G. Oct. 15.

Tonic, Hair. Buerger Brothers Supply Company. 220,308; renewed Nov. 9, 1946. O. G. Oct. 15.

Vulcanization accelerators. Wolff-Alport Chemical Corporation. 220,754; renewed Nov. 16, 1946. O. G. Oct. 15.

CLASS 7

Hemp tarred goods. Hanover Cordage Company. 220,779; renewed Nov. 16, 1946. O. G. Oct. 15.
Jute tarred goods. Hanover Cordage Company. 220,781; renewed Nov. 16, 1946. O. G. Oct. 15.
Rope, jute wrapping twines, and jute millers' twines, Tube. Hanover Cordage Company. 219,541; renewed Oct. 19, 1946. O. G. Oct. 15.
Twine, cordage, and thread. Chase Bag Co. 220,679; renewed Nov. 16, 1946. O. G. Oct. 15.
Twine, Wall-paper. Hanover Cordage Company. 219,542; renewed Oct. 19, 1946. O. G. Oct. 15.
Twines, Coarse-finished. Hanover Cordage Company. 219,540; renewed Oct. 19, 1946. O. G. Oct. 15.

CLASS 9

Explosives, High. Eastern Dynamite Company. 57,364; re-renewed Nov. 13, 1946. O. G. Oct. 15.
Explosives, High. Eastern Dynamite Company. 57,421; re-renewed Nov. 13, 1946. O. G. Oct. 15.

CLASS 12

Aggregate, such as crushed stone, etc. Carter-Waters Corporation. 424,604; Oct. 15; Serial No. 487,241; published Mar. 19, 1946.
Clip-splines, Metallic. H. L. Finch. 424,630; Oct. 15; Serial No. 494,266; published July 16, 1946.
Coating products, Semi-liquid roof, etc. Panther Oil & Grease Mfg. Co. 424,611; Oct. 15; Serial No. 490,031; published July 23, 1946.
Insulating materials, Fibrous glass. G. A. Stone. 424,592; Oct. 15; Serial No. 469,313; published July 16, 1946.
Insulation, Corkboard. Armstrong Cork Company. 424,627; Oct. 15; Serial No. 493,943; published July 16, 1946.
Linings for heat insulation, Feather-filler. Penn Worsted Company. 424,658; Oct. 15.
Lumber. E. E. McDonald and F. M. Ziegler. 424,617; Oct. 15; Serial No. 491,347; published July 23, 1946.
Paper, Building. Richkraft Company, The. 424,624–5; Oct. 15; Serial Nos. 493,828–9; published July 16, 1946.
Wall-plaster, plaster of Paris, calcined plaster, and stucco. Acme Cement Plaster Co. 53,674; re-renewed June 12, 1946. O. G. Oct. 15.
Windows and doors, Storm screen. T. L. Smalley. 424,643; Oct. 15; Serial No. 496,581; published July 23, 1946.

CLASS 13

Ball and seat for an oil-well working-barrel valve and oil-well pump valve, Noncorrosive steel. Charles N. Hough Manufacturing Co. 220,144; renewed Nov. 2, 1946. O. G. Oct. 15.
Chains. Link-Belt Company. 220,198–9; renewed Nov. 2, 1946. O. G. Oct. 15.
Chains. Link-Belt Company. 220,207; renewed Nov. 2, 1946. O. G. Oct. 15.
Curtains, and matching window drapes, Shower. Para Manufacturing Company, Incorporated. 424,621; Oct. 15; Serial No. 492,337; published Apr. 2, 1946.
Rack, Wall towel. Bar-K Products Company. 424,586; Oct. 15; Serial No. 465,335; published July 23, 1946.
Sprinkler, Lawn. Heckethorn Manufacturing & Supply Co. 424,640–2; Oct. 15; Serial Nos. 496,381–3; published July 23, 1946.
Utensils, Aluminumware cooking. National Aluminum Manufacturing Co. 424,612; Oct. 15; Serial No. 490,130; published July 23, 1946.

CLASS 15

Oils, kerosene, gasoline, etc., Motor. Independent Refining Company. 216,661; renewed Aug. 17, 1946. O. G. Oct. 15.

CLASS 16

Paint, Filler primer. Patek Brothers, Inc. 219,366; renewed Oct. 19, 1946. O. G. Oct. 15.
Paints, Condenser. Wailes Dove-Hermiston Corp. 216,709; renewed Aug. 17, 1946. O. G. Oct. 15.
Sealer for wood surfaces. Cook Paint & Varnish Company. 424,655; Oct. 15.

CLASS 17

Cigars. Consolidated Cigar Corporation. 424,606; Oct. 15; Serial No. 487,993; published July 23, 1946.

CLASS 19

Accessories for automobiles, Certain. Wedler-Shuford Co. 217,472; renewed Aug. 31, 1946. O. G. Oct. 15.
Aircraft, Co-axial contra-rotating. N. B. Wales, Jr. 424,584; Oct. 15; Serial No. 460,639; published July 16, 1946.
Automobiles and their component parts. Birmingham Small Arms Company, Limited. 50,830; re-renewed Apr. 3, 1946. O. G. Oct. 15.
Go-cart, Child's. P. E. Lyon. 424,614; Oct. 15; Serial No. 490,318; published July 16, 1946.
Gocarts. P. M. Ressinger. 424,585; Oct. 15; Serial No. 464,182; published July 16, 1946.
Seats for use in aircraft and railroad cars. Warren McArthur Corporation. 424,633; Oct. 15; Serial No. 495,203; published July 16, 1946.
Tractor and truck trailers. National Trading Company, Inc. 424,605; Oct. 15; Serial No. 487,567; published July 9, 1946.
Trailers. R. G. Ashburn. 424,620; Oct. 15; Serial No. 491,748; published July 16, 1946.
Vacuum-hydraulic or air-hydraulic equipment and parts therefor, Combined. Midland Steel Products Company. 424,660; Oct. 15.
Wheelbarrows, baby carriages, and bicycles. Plymouth Wholesale Dry Goods Corporation. 424,607; Oct. 15; Serial No. 488,422; published July 16, 1946.
Wheelbarrows, carts, and wagons. T. Carmichael. 424,593; Oct. 15; Serial No. 470,406; published July 16, 1946.

CLASS 21

Fans, Electric. Westinghouse Electric & Manufacturing Company. 219,604; renewed Oct. 19, 1946. O. G. Oct. 15.
Radio receiving apparatus and parts thereof. Hoffman Radio Corporation. 424,657; Oct. 15.
Tubes, Vacuum. Westinghouse Electric & Manufacturing Company. 214,432–3; renewed June 22, 1946. O. G. Oct. 15.

CLASS 22

Dolls. American Character Doll Co., Inc. 219,908; renewed Oct. 26, 1946. O. G. Oct. 15.
Tennis rackets. A. G. Spalding & Bros. 214,768; renewed July 6, 1946. O. G. Oct. 15.
Toys. Ardee Plastics Company. 424,673; Oct. 15.

CLASS 23

Aligning machines. Gilman Fanfold Corporation, Limited. 213,626; renewed June 1, 1946. O. G. Oct. 15.
Engine-governors. Pickering Governor Company. 57,470; re-renewed Nov. 13, 1946. O. G. Oct. 15.
Flatware, Unplated base-alloy. International Silver Company. 217,250; renewed Aug. 31, 1946. O. G. Oct. 15.

CLASS 24

Clothes-pins. A. W. Dodge Clothespin Manufacturing Company. 56,705; re-renewed Oct. 16, 1946. O. G. Oct. 15.

CLASS 26

Motion pictures. Stanley Company of America. 220,695; renewed Nov. 16, 1946. O. G. Oct. 15.

CLASS 27

Watch-movements and watchcases. Louis Manheimer & Bros. 54,835; re-renewed July 13, 1946. O. G. Oct. 15.
Watches. Cosa Corporation. 424,599; Oct. 15; Serial No. 484,483; published July 9, 1946.
Watches and clocks, both cased and uncased, and parts therefor. United States Time Corporation. 424,623; Oct. 15; Serial No. 493,575; published July 16, 1946.
Watches and watch movements. J. Lipschutz & Co. 424,682; Oct. 15.
Watches, watch casings, and parts of watches. Mido Societe Anonyme. 424,613; Oct. 15; Serial No. 490,201; published July 16, 1946.
Watches, watch-movements, watchcases, etc. Harvel Watch Company. 424,681; Oct. 15.

CLASS 28

Bracelets, Watch. C. Schaeffer. 424,638; Oct. 15; Serial No. 496,336; published July 16, 1946.
Diamonds. L. Kaplan & Sons, Inc. 424,644–5; Oct. 15; Serial Nos. 496,710–11; published July 16, 1946.
Diamonds. L. Kaplan & Sons, Inc. 424,646–7; Oct. 15; Serial Nos. 496,713–14; published July 16, 1946.
Diamonds. L. Kaplan & Sons, Inc. 424,648–9; Oct. 15; Serial Nos. 496,716–17; published July 16, 1946.
Flat-ware for table use, Plated. International Silver Company. 57,458; re-renewed Nov. 13, 1946. O. G. Oct. 15.
Flat-ware for table use, Plated. International Silver Company. 57,509; re-renewed Nov. 13, 1946. O. G. Oct. 15.
Flat-ware for table use, Plated. International Silver Company. 57,560; re-renewed Nov. 13, 1946. O. G. Oct. 15.
Flatware, hollow ware, and toilet ware, etc., Sterling-silver. Alvin Silver Co. 216,752; renewed Aug. 17, 1946. O. G. Oct. 15.
Hollow ware, flatware, and silverware. E. Prill & Sons. 424,634; Oct. 15; Serial No. 495,500; published July 16, 1946.
Hollow ware, Silver-plated. International Silver Company. 52,757; re-renewed May 15, 1946. O. G. Oct. 15.
Hollow ware, Silver-plated. International Silver Company. 57,329; re-renewed Nov. 13, 1946. O. G. Oct. 15.
Jewelry findings, and jewelry made wholly or partly of precious metal. E. H. Augat. 424,622; Oct. 15; Serial No. 493,097; published July 16, 1946.
Jewelry, Men's. O. V. Anderson. 424,667; Oct. 15.
Rings, ear rings, pendants, Finger. H. C. Mussells Company. 424,626; Oct. 15; Serial No. 493,892; published July 16, 1946.
Tableware, hollow ware, and flat ware, Silver. Alvin Mfg. Co. 55,363; re-renewed Aug. 14, 1946. O. G. Oct. 15.

CLASS 29

Brushes, and painters' and stair dusters, Certain named. Pittsburgh Plate Glass Company. 214,799; renewed July 6, 1946. O. G. Oct. 15.
Brushes, Hair, clothes, and hat. Florence Manufacturing Company. 55,063; re-renewed Aug. 7, 1946. O. G. Oct. 15.
Buffers for leg film. Elizabeth Arden Sales Corporation. 424,600; Oct. 15; Serial No. 485,118; published July 9, 1946.
Tooth-brushes. Florence Manufacturing Company. 52,808; re-renewed May 15, 1946. O. G. Oct. 15.
Tooth-brushes. Florence Manufacturing Company. 53,373–4; re-renewed June 5, 1946. O. G. Oct. 15.
Tooth-brushes. Florence Manufacturing Company. 53,546; re-renewed June 5, 1946. O. G. Oct. 15.
Tooth-brushes. Florence Manufacturing Company. 55,064; re-renewed Aug. 7, 1946. O. G. Oct. 15.

CLASS 31

Cartridges, Oil filter. Phillips Petroleum Company. 424,589; Oct. 15; Serial No. 468,734; published July 23, 1946.
Closures, Auxiliary. C. Blum. 424,616; Oct. 15; Serial No. 490,523; published July 23, 1946.
Electrical appliances. C. Penachio. 424,629; Oct. 15; Serial No. 494,114; published July 23, 1946.
Filters and strainers, Porosity. Walter Kidde & Company, Inc. 424,601; Oct. 15; Serial No. 485,293; published July 23, 1946.

CLASS 32

Cabinets, Filing. General Fireproofing Co. 424,652; Oct. 15; Serial No. 498,059; published July 23, 1946.
Trays, juvenile or child's furniture, Serving. Kangaroo. 424,594; Oct. 15; Serial No. 478,128; published July 23, 1946.

CLASS 34

Fans, Electric and non-electric. R. D. Moore. 424,656; Oct. 15.
Heaters and boilers, Oil and gas hot water. B. I. J. Stamm. 424,596; Oct. 15; Serial No. 481,679; published July 23, 1946.
Incinerators. E. J. Weggel. 424,650; Oct. 15; Serial No. 496,743; published July 23, 1946.
Lighters, Pyrophoric cigar and cigarette. A. P. Sowa. 424,635; Oct. 15; Serial No. 495,518; published July 23, 1946.
Stokers, Coal. Marshall-Wells Company. 424,597; Oct. 15; Serial No. 482,432; published July 23, 1946.
Stoves, Cook. Vendo Company. 424,636; Oct. 15; Serial No. 496,001; published July 16, 1946.
Tuyères, and blast furnace parts. American Brake Shoe Company. 424,628; Oct. 15; Serial No. 493,996; published July 16, 1946.

CLASS 35

Belting, Machine. Chas. A. Schieren Company. 220,706; renewed Nov. 16, 1946. O. G. Oct. 15.
Linings, Transmission, brake, and friction. World Bestos Corporation. 220,427; renewed Nov. 9, 1946. O. G. Oct. 15.
Machinery-packing. C. A. Daniel. 52,414; re-renewed May 8, 1946. O. G. Oct. 15.
Piston rings, Nonmetallic. Stewart R. Browne Manufacturing Co. Inc. 220,783; renewed Nov. 16, 1946. O. G. Oct. 15.
Repair kits, Pneumatic tire and inner tube. Sun Oil Company. 424,639; Oct. 15; Serial No. 496,350; published July 23, 1946.

CLASS 36

Mouth-harmonicas. Firm of M. Hohner. 57,457; re-renewed Nov. 13, 1946. O. G. Oct. 15.
Mouth-harmonicas. Firm of M. Hohner. 57,507; re-renewed Nov. 13, 1946. O. G. Oct. 15.
Mouth-harmonicas and accordions. Firm of M. Hohner. 57,508; re-renewed Nov. 13, 1946. O. G. Oct. 15.

CLASS 37

Cards, Photographic record. N. P. Scofield. 424,686; Oct. 15.
Paper, Bond. Gilbert Paper Company. 220,276; renewed Nov. 9, 1946. O. G. Oct. 15.
Paper, Bond. Paper Supply Company, Inc. 220,385; renewed Nov. 9, 1946. O. G. Oct. 15.
Paper, Photo masking. Reliable Paper Company. 424,619; Oct. 15; Serial No. 491,588; published July 23, 1946.
Paper sleeve and cuff protectors, paper eraser shields, and a combination of both. Agency Paper Company. 424,662; Oct. 15.
Paper, toilet paper, and paper for lining shelves, etc., Barbers' headrest. Paper Specialty Company. 219,367; renewed Oct. 19, 1946. O. G. Oct. 15.
Papers, Gift wrapping. H. J. Dietrich. 424,664; Oct. 15.
Pens and fillers, Fountain. Bol, Ltd. 424,609; Oct. 15; Serial No. 489,646; published July 23, 1946.
Pens, Writing. Esterbrook Steel Pen Manufacturing Company. 220,344; renewed Nov. 9, 1946. O. G. Oct. 15.
Writing-paper. Southworth Company. 57,545; re-renewed Nov. 13, 1946. O. G. Oct. 15.
Writing-paper. Southworth Company. 57,570; re-renewed Nov. 13, 1946. O. G. Oct. 15.

CLASS 38

Circulars, Information. Federation of Paint and Varnish Production Clubs. 424,677; Oct. 15.
Magazine. McGraw-Hill Publishing Company, Inc. 424,687; Oct. 15.
Magazine. Ziff-Davis Publishing Co. 424,676; Oct. 15.
Magazine, Monthly published. A. E. Smith. 424,669; Oct. 15.
Newsletter and newspaper, Weekly. Fawcett Publications, Inc. 424,680; Oct. 15.
Newspaper section. New York Evening Journal, Inc. 213,012; renewed May 18, 1946. O. G. Oct. 15.
Periodical. Frosted Food Field, Inc. 424,675; Oct. 15.

CLASS 39

Boots and shoes, Leather. W. L. Douglas Shoe Co. 53,799–800; re-renewed June 12, 1946. O. G. Oct. 15.
Clothing for men, boys, and children, Certain articles of. Meyer Greentree. 220,425; renewed Nov. 9, 1946. O. G. Oct. 15.
Hosiery. G. J. Stricker. 424,685; Oct. 15.
Hosiery. Syndicate Trading Co. 220,479; renewed Nov. 9, 1946. O. G. Oct. 15.
Suits, and overcoats, Men's. J. L. Hudson Company. 220,311; renewed Nov. 9, 1946. O. G. Oct. 15.
Supporters, Hose. Pioneer Suspender Company. 53,272; re-renewed May 29, 1946. O. G. Oct. 15.
Underwear and sweaters, blouses for women and children. rompers, etc. Lisle Mills. 424,678; Oct. 15.

CLASS 40

Braid for millinery purposes, Straw. Rubin Levine & Co. 424,661; Oct. 15.
Trims, Decorative and ornamental. B. Singer. 424,683; Oct. 15.

CLASS 41

Umbrella-frames. Samuel Fox & Co., Limited. 53,900; re-renewed June 12, 1946. O. G. Oct. 15.
Umbrella-frames of metal. Samuel Fox & Co., Limited. 53,901; re-renewed June 12, 1946. O. G. Oct. 15.

CLASS 42

Cotton piece goods. J. L. Stifel & Sons. 220,912; renewed Nov. 16, 1946. O. G. Oct. 15.
Knitted, netted, and textile fabrics. American Cellulose & Chemical Manufacturing Company Ltd. 220,913; renewed Nov. 16, 1946. O. G. Oct. 15.
Pile-fabric piece goods. J. B. Martin Company. 220,914–16; renewed Nov. 16, 1946. O. G. Oct. 15.
Pile-fabric piece goods. J. B. Martin Company. 220,924; renewed Nov. 16, 1946. O. G. Oct. 15.

CLASS 44

Polishing and abrading strips. S. S. White Dental Mfg. Co. 53,565; re-renewed June 5, 1946. O. G. Oct. 15.
Sanitary napkins. Chicopee Manufacturing Corporation. 215,220; renewed July 13, 1946. O. G. Oct. 15.
Tooth-filling, Gutta-percha. S. S. White Dental Mfg. Co. 53,152; re-renewed May 29, 1946. O. G. Oct. 15.

CLASS 45

Beverages, Non-alcoholic, non-cereal, maltless. K. L. Schofield. 424,684; Oct. 15.
Mineral water and carbonated beverages. El Paraiso De Purua, Fuentes Termales, S. A. 424,631; Oct. 15; Serial No. 494,436; published July 16, 1946.
Syrup for flavoring and sweetening of soft drinks and other beverages. Refined Syrups & Sugars, Inc 424,659; Oct. 15.

CLASS 46

Bread. C. W. Bart. 220,755; renewed Nov. 16, 1946. O. G. Oct. 15.
Bread. Grocers' Baking Company. 219,396; renewed Oct. 19, 1946. O. G. Oct. 15.
Candy. E. J. Brach & Sons. 424,603; Oct. 15; Serial No. 487,165; published July 23, 1946.
Canned fish. M. G. Gorby. 424,671; Oct. 15.
Canned salmon. G. Strand. 220,889; renewed Nov. 16, 1946. O. G. Oct. 15.
Cheese and butter. Frink Creamery Company. 220,062; renewed Nov. 2, 1946. O. G. Oct. 15.
Chicks and live poultry. Baby. U. S. Lybarger. 219,791; renewed Oct. 26, 1946. O. G. Oct. 15.
Chocolate. Soc. An. Des Fabriques Bernoises & Zuricoises De Chocolat Lindt & De Chocolat Sprüngli. 57,613; re-renewed Nov. 13, 1946. O. G. Oct. 15.
Codfish, Shredded. J. W. Beardsley's Sons. 55,755; re-renewed Aug. 21, 1946. O. G. Oct. 15.
Coffee. C. S. Morey Mercantile Company. 52,130; re-renewed May 1, 1946. O. G. Oct. 15.
Dates, Fard. Hills Brothers Company. 219,528–9; renewed Oct. 19, 1946. O. G. Oct. 15.
Feeds containing soy for poultry, hogs, cattle, etc. Pillsbury Flour Mills Company. 424,654; Oct. 15.

Flour, Bread and pastry wheat. Lee & Cady. 214,135; renewed June 15, 1946. O. G. Oct. 15.
Flour, Wheat. Colorado Milling & Elevator Co. 218,920; renewed Oct. 5, 1946. O. G. Oct. 15.
Flour, Wheat. Colorado Milling & Elevator Co. 219,296; renewed Oct. 12, 1946. O. G. Oct. 15.
Flour, Wheat. Colorado Milling & Elevator Co. 219,449; renewed Oct. 19, 1946. O. G. Oct. 15.
Flour, Wheat. William Kelley Milling Co. 424,653; Oct. 15; Serial No. 498,527; published July 23, 1946.
Fruits, Fresh citrus. Canoga Citrus Association. 424,608; Oct. 15; Serial No. 489,561; published July 23, 1946.
Fruits, fresh vegetables, and nuts, Fresh citrus and deciduous. Ben E. Keith Company. 424,670; Oct. 15.
Juices, Canned mixed vegetable. Standard Brands Incorporated. 424,632; Oct. 15; Serial No. 494,803; published July 23, 1946.
Lard. Armour & Company. 56,864; re-renewed Oct. 23, 1946. O. G. Oct. 15.
Mayonnaise, peanut butter, and fruit in sugar. Anc-Co Preserving Co. 218,358; renewed Oct. 19, 1946. O. G. Oct. 15.
Mince-meat. Whipple Co-Operative Company. 57,618; re-renewed Nov. 13, 1946. O. G. Oct. 15.
Pie-fillings. H. C. Gutchess. 52,777; re-renewed May 15, 1946. O. G. Oct. 15.
Salami dry sausage. Omaha Packing Company. 219,176; renewed Oct. 12, 1946. O. G. Oct. 15.
Sauce for meat products. Francis H. Leggett & Company. 424,610; Oct. 15; Serial No. 489,876; published July 23, 1946.
Weiners and sauerkraut, barbecue spareribs and sauerkraut, etc. Allied Foods. 424,615; Oct. 15; Serial No. 490,350; published July 23, 1946.
Wheat-flour. John F. Meyer & Sons Milling Co. 57,596; re-renewed Nov. 13, 1946. O. G. Oct. 15.

CLASS 47

Wines. Cruse & Fils Freres. 424,663; Oct. 15.
Wines. Marco Importing Co. 424,587; Oct. 15; Serial No. 468,523; published July 16, 1946.

CLASS 48

Ale and stout. C. Machen & Hudson. 51,802; re-renewed Apr. 24, 1946. O. G. Oct. 15.
Beer. Horlacher Brewing Company. 424,674; Oct. 15.

CLASS 49

Distilled Spiritous beverages, particularly whiskey, Potable. W. A. Haller Company, Inc. 424,637; Oct. 15; Serial No. 496,308; published July 16, 1946.
Rum. Schieffelin & Co. 424,668; Oct. 15.
Whiskey. John Wagner & Sons. 57,616; re-renewed Nov. 13, 1946. O. G. Oct. 15.

CLASS 50

Paddle, Decorative. J. C. Rader. 424,688; Oct. 15.
Tents, wagon and truck covers, and tarpaulins. Little Rock Tent & Awning Company. 220,107; renewed Nov. 2, 1946. O. G. Oct. 15.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Baade, Henry, Ypsilanti, Mich., assignor to Bendix Products Corporation, South Bend, Ind. Braking system. Re. 22,802; Oct. 15.
Bendix Products Corporation, assignee: *See*—
Baade, Henry.
Line Material Company, assignee: *See*—
Schultz, William O., and Steinmayer.
McLemore, Price C., Waugh, Ala. Flame cultivation of plants. Re. 22,803; Oct. 15.
Robinson, Jonas, Clarke Summit, Pa. Jacquard compensating means. Re. 22,804; Oct. 15.
Schultz, William O., South Milwaukee, and A. G. Steinmayer, Shorewood, assignors to Line Material Company, Milwaukee, Wis. Fuse device. Re. 22,805; Oct. 15.
Steinmayer, Alwin G.: *See*—
Schultz, William O., and Steinmayer.

LIST OF DESIGN PATENTEES

Aquilino, Antonio, Providence, R. I. Brooch. 145,707; Oct. 15.
Aquilino, Antonio, Providence, R. I. Brooch. 145,708; Oct. 15.
Casalino, Joseph, Forest Hills Gardens, Long Island, assignor to Dieplast Corporation, New York, N. Y. Hand mirror frame. 145,709; Oct. 15.
Bel Geddes, Norman, New York, assignor to Creative Plastics Corp., Brooklyn, N. Y. Portable bar tray. 145,718; Oct. 15.
Bendix Home Appliances, Inc., assignee: *See*—
Constantine, Arthur R., and Boldt.
Blons, M. J., and Company, assignee: *See*—
Steele, Elmer A.
Blons, Maurice J., assignee: *See*—
Steele, Elmer A.
Boldt, Melvin H.: *See*—
Constantine, Arthur R., and Boldt.
Carter's Ink Company, The, assignee: *See*—
Kendrick, Laurence W.
Cartier, Inc., assignee: *See*—
Foret, Edmond, and Graeter.
Constantine, Arthur R., and M. H. Boldt, assignors to Bendix Home Appliances, Inc., South Bend, Ind. Vending machine. 145,710; Oct. 15.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Creative Plastics Corp., assignee: *See*—
Bel Geddes, Norman.
Davis, Joseph, South Orange, assignor to Joseph Davis Plastics Co., Arlington, N. J. Serving dish or similar article. 145,711; Oct. 15.
Davis, Joseph, Plastics Co., assignee: *See*—
Davis, Joseph.
Dieplast Corporation, assignee: *See*—
Casalino, Joseph.
Endicott Johnson Corporation, assignee: *See*—
Hickey, James J.
Engleman, Dorthi, assignor to Carl Gutmann & Co., Inc., New York, N. Y. Sweater or similar article. 145,712; Oct. 15.
Engleman, Dorthi, assignor to Carl Gutmann & Co., Inc., New York, N. Y. Sweater or similar article. 145,713; Oct. 15.
Engleman, Dorthi, assignor to Carl Gutmann & Co., Inc., New York, N. Y. Sweater. 145,714; Oct. 15.
Etkin, Simon, New York, N. Y. Jacket. 145,715; Oct. 15.
Eureka Williams Corporation, assignee: *See*—
Walker, George W.
Florence Stove Company, assignee: *See*—
Kruck, Ralph E.
Foret, Edmond, New York, N. Y., and H. Graeter, Sherman, Conn., assignors to Cartier, Inc., New York, N. Y. Compact. 145,716; Oct. 15.
Freedman, Jules, New York, N. Y. Coat. 145,717; Oct. 15.
Goldberg, Harry, New York, N. Y. Coat. 145,719; Oct. 15.
Goldberg, Harry, New York, N. Y. Coat. 145,720; Oct. 15.
Golden, Zelma, New York, N. Y. Jacket. 145,721; Oct. 15.
Golden, Zelma, New York, N. Y. Jacket. 145,722; Oct. 15.
Golden, Zelma, New York, N. Y. Jacket. 145,723; Oct. 15.
Golden, Zelma, New York, N. Y. Jacket. 145,724; Oct. 15.
Golden, Zelma, New York, N. Y. Jacket. 145,725; Oct. 15.
Golden, Zelma, New York, N. Y. Jacket. 145,726; Oct. 15.
Golden, Zelma, New York, N. Y. Jacket. 145,727; Oct. 15.
Golden, Zelma, New York, N. Y. Jacket. 145,728; Oct. 15.
Graeter, Harold: *See*—
Foret, Edmond, and Graeter.
Gray, Harry H., Kansas City, Mo. Soap cake holder or similar article. 145,729; Oct. 15.
Gutmann, Carl, & Co., Inc., assignee: *See*—
Engleman, Dorthi.
Hale, Frank R., assignor to H. S. La Poff, Paterson, N. J. Combined salt and pepper shaker or similar article. 145,730; Oct. 15.
Hickey, James J., Binghamton, assignor to Endicott Johnson Corporation, Endicott, N. Y. Shoe. 145,731; Oct. 15.
Hoyle, Marion, Pasadena, Calif. Combined doll and parachute. 145,732; Oct. 15.
Ideal Novelty & Toy Co., assignee: *See*—
Shrier, Martin.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,733; Oct. 15.
Kendrick, Laurence W., Wellesley, assignor to The Carter's Ink Company, Cambridge, Mass. Combination desk unit. 145,734; Oct. 15.
Kissling, Edmund D., New York, N. Y. Stand. 145,735; Oct. 15.
Kruck, Ralph E., Longmeadow, assignor to Florence Stove Company, Gardner, Mass. Range. 145,736; Oct. 15.
Kuntz, Robert F., Santa Monica, Calif. Toy vehicle. 145,737; Oct. 15.
La Poff, Harry S., assignee: *See*—
Hale, Frank R.
Lewis, Fred H., Wilmette, Ill. Ring box. 145,738; Oct. 15.
Lomasney, Louis, North Attleboro, Mass. Ash tray. 145,739; Oct. 15.
McLaughlin, George H., New York, N. Y. Robe or similar article. 145,740; Oct. 15.
Monica, Caroline D., New York, N. Y. Dress. 145,741; Oct. 15.
Morrow, Frank, Johnston, R. I. Earring. 145,742; Oct. 15.
Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 145,743; Oct. 15.
Owens, Freeman H., New York, N. Y. Camera. 145,744; Oct. 15.
Park, Arthur Y., Los Angeles, Calif. Fabric. 145,745; Oco. 15.
Park, Arthur Y., Los Angeles, Calif. Fabric. 145,746; Oct. 15.
Park, Arthur Y., Los Angeles, Calif. Fabric. 145,747; Oct. 15.
Park, Arthur Y., Los Angeles, Calif. Fabric. 145,748; Oct. 15.
Park, Arthur Y., Los Angeles, Calif. Fabric. 145,749; Oct. 15.
Rost, Katheryn, New York, N. Y. Dress. 145,750; Oct. 15.
Rubin, Harry, New York, N. Y. Jewelry finding. 145,751; 145,751; Oct. 15.
Schrayesshuen, Carl, Providence, R. I. Jewelry finding. 145,752; Oct. 15.
Schrayesshuen, Carl, Providence, R. I. Jewelry finding. 145,753; Oct. 15.
Schrayesshuen, Carl, Providence, R. I. Jewelry finding. 145,754; Oct. 15.

Schraysshuen, Carl, Providence, R. I. Jewelry finding. 145,755; Oct. 15.
Shrier, Martin, Forest Hills, assignor to Ideal Novelty & Toy Co., Long Island City, N. Y. Stuffed puppet toy animal. 145,756; Oct. 15.
Simons, Abraham K., Chicago, Ill. Clock or similar article. 145,757; Oct. 15.
Snyder, John L., Jr., assignor to The Standard Churn Company, Wapakoneta, Ohio. Jar or similar article. 145,758; Oct. 15.
Standard Churn Company, The, assignee: *See*—
Snyder, John L., Jr.
Steele, Elmer A., assignor to M. J. Blons, doing business as M. J. Blons and Company, Chicago, Ill. Top for water coolers. 145,759; Oct. 15.
Steiner, Charlotte, New York, N. Y. Toy animal. 145,760; Oct. 15.
Walker, George W., Pleasant Ridge, Mich., assignor to Eureka Williams Corporation. Vacuum cleaner casing. 145,761; Oct. 15.
Weinstock, William B., Kew Gardens Hills, Flushing, N. Y. Brooch or similar article. 145,762; Oct. 15.
Wilkinson, Herbert W., Jr., Southbridge, Mass. Fabric testing display stand. 145,763; Oct. 15.
Zelov, Victor I., Rosemont, Pa. Tray. 145,764; Oct. 15.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Arben H., and T. S. Tucker, North Hollywood, Calif., assignors, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Hydraulic system. 2,409,175; Oct. 15.
Adams, Hal McC., Lexington, assignor to Burlington Mills Corporation, Greensboro, N. C. Device for oiling fliers. 2,409,523; Oct. 15.
Aerojet Engineering Corporation, assignee: *See*—
Pridonoff, Eric L., and Schneider.
Ahlfors, Sten E. E., Hedemora, Sweden. Straining fibrous suspensions. 2,409,524; Oct. 15.
Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Food tendering machine. 2,409,463; Oct. 15.
Aircraft Tools, Inc., assignee: *See*—
Miller, Wade E.
Air Reduction Company, Incorporated, assignee: *See*—
Van Nuys, Claude C.
Alien Property Custodian: *See*—
Bouwers, Albert.
Lipp, Rudolf W.
Rambold, Adolf.
Rosa, Laszlo, and Zakariàs.
Allen, Robert C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas turbine system. 2,409,176; Oct. 15.
Allen, Robert C., and J. T. Rettaliata, Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Jet propulsion apparatus. 2,409,177; Oct. 15.
Allied Shoe Machinery Corp., assignee: *See*—
Perri, Angelo.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Allen, Robert C.
Allen, Robert C., and Rettaliata.
Allison, Byron L., Williston Park, N. Y., and L. J. Wong, Hoboken, N. J., assignors to Sperry Gyroscope Company, Inc. Mounting means for gyroscopes. 2,409,178; Oct. 15.
Alton, William H., Westport, and F. E. Hutchins, Norwalk, Conn., assignors to R. T. Vanderbilt Company, Inc., New York, N. Y. Emulsion. 2,409,338; Oct. 15.
Aluminum Company of America, assignee: *See*—
Gunn, Robert D.
American Cyanamid Company, assignee: *See*—
Davis, Arnold R.
Dean, Russell T., and King.
American Optical Company, assignee: *See*—
Bernheim, Daniel P., and Glasberg.
Jackson, George W.
Joyce, William J.
American Safety Razor Corporation, assignee: *See*—
Kleinmann, Max.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Fenton, George D.
Anderson, Alva E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron beam relay. 2,409,179; Oct. 15.
Andreasson, Rudolf W., Franklin, Mich. Drilling device. 2,409,525; Oct. 15.
Andresen, Raymond H., assignor to Peerless Tool and Engineering Company, Chicago, Ill. Lathe attachment. 2,409,464; Oct. 15.
Angell, Charles H.: *See*—
Giuliani, Chester J., and Angell.
Annett, Charles E., 2d, and M. Armstrong, Short Hills, N. J.; said Armstrong assignor to said Annett. Fastening device. 2,409,180; Oct. 15.
Armbruster, Frank, Waverly, and E. Stearns, Columbus, Ohio. First-aid container. 2,409,465; Oct. 15.
Armistead, William H., Jr., assignor to Corning Glass Works, Corning, N. Y. Ultraviolet absorbing glass. 2,409,412; Oct. 15.
Armstrong Cork Company, assignee: *See*—
McGarvey, Alan R.
Armstrong, Malcolm: *See*—
Annett, Charles E., 2nd.
Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Revivifying adsorptive material. 2,409,234; Oct. 15.
Atlas Powder Company, assignee: *See*—
Djidics, Alexander.
Atwell, Harold V., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Continuous process for effecting catalytic reactions. 2,409,235; Oct. 15.

Ausherman, Harry S., Wichita, Kans. Chain tightening means. 2,409,526; Oct. 15.
Autopulse Corporation, assignee: *See*—
Eldred, Andrew J.
Azbe, Victor J., Webster Groves, Mo. Calcining apparatus. 2,409,527; Oct. 15.
Babcock & Wilcox Company, The, assignee: *See*—
Maxwell, Carl A.
Bagley, Ronald D., Indiana, Pa., and J. E. Berman, Suffolk, Va. Airborne cargo truck. 2,409,181; Oct. 15.
Bahls, Walter E., assignor to Radio Corporation of America, Haddonfield, N. J. Electron discharge device. 2,409,466; Oct. 15.
Bailey, Edgar L.: *See*—
Gilfillan, Henry W., and Bailey.
Baker, James D.: *See*—
Hamilton, Clarence R., King, and Baker.
Ballard, J. D., Fort Worth, Tex. Intermixing device. 2,409,339; Oct. 15.
Banker, Oscar H., Evanston, Ill. Making roller cages. 2,409,236; Oct. 15.
Banks, Joseph L., Baltimore, Md., assignor to J. L. Schilling, J. C. Doig, and I. G. Rubin, doing business as J. L. Schilling Co. Toy typewriter. 2,409,237; Oct. 15.
Barber, Theodore C., Seattle, Wash. Airplane flight trainer. 2,409,238; Oct. 15.
Barili, Arthur E., Los Angeles, Calif. Bomb sight and bomb-releasing device. 2,409,239; Oct. 15.
Barker, George A., Rochester, N. Y. Tire shoe. 2,409,182; Oct. 15.
Barker, Paul F., H. G. Hartman, C. T. Galloway, and B. M. Kunes, assignors to Gleason Works, Rochester, N. Y. Dressing mechanism. 2,409,240; Oct. 15.
Bashour, Joseph T., assignor to E. R. Squibb & Sons, New York, N. Y. Producing substantially pure d-tubocurarine chloride. 2,409,241; Oct. 15.
Baunach, Roy J., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Food conveyer or heater. 2,409,528; Oct. 15.
Bausch & Lomb Optical Company, assignee: *See*—
Hutchings, Charles F.
Kurtz, Henry F., and Morrison.
Turner, Arthur F.
Bechman, William O.: *See*—
Rogers, Clifford R., Bechman, and Ziskal.
Beck, Alfred C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave antenna. 2,409,183; Oct. 15.
Becker, Harold J., assignor to Merck & Co., Inc., Rahway, N. J. Stabilized cuprous oxide. 2,409,413; Oct. 15.
Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work feeding mechanism for sewing machines. 2,409,242; Oct. 15.
Beede, Harry L., Fort Lee, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Buoyant electric cable. 2,409,529; Oct. 15.
Bell Aircraft Corporation, assignee: *See*—
Trotter, John C.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Anderson, Alva E.
Beck, Alfred C.
Morton, Jack A.
Samuel, Arthur L.
Shockley, William.
Bendix Aviation Corporation, assignee: *See*—
Adams, Arben H., and Tucker.
Ketay, Morris F., and Sherman.
Miles, George S.
Bennett, Charles E., Ridgewood, assignor to The Okonite Company, Passaic, N. J. Electric cable. 2,409,530; Oct. 15.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electrode for buoyant cables. 2,409,531; Oct. 15.
Bentley, Howard: *See*—
Bentley, Robert and H.
Bentley, Robert, Monroe, and H. Bentley, Detroit, Mich. Filling spout. 2,409,532; Oct. 15.
Berman, Joseph E.: *See*—
Bagley, Ronald D., and Berman.
Berneski, Anthony J., Latrobe, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator construction. 2,409,184; Oct. 15.
Bernheim, Daniel P., Southbridge, and M. M. Glasberg, Revere, assignors to American Optical Company, Southbridge, Mass. Collapsible type eyeshield. 2,409,243; Oct. 15.

Bilan, John, Flint, Mich. Glass electric hot plate. 2,409,244; Oct. 15.

Bitter, H. Calvin: *See*—
Wild, Edward, and Bitter.

Black, John B., assignor to The Glenn L. Martin Company, Middle River, Md. Fuel system. 2,409,245; Oct. 15.

Blasutta, Victor V., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,409,185; Oct. 15.

Bletz, Edward, Lexington, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,409,414; Oct. 15.

Blitz, Daniel: *See*—
Sanders, Royden C., Jr., Mercer, and Blitz,

Blomquist, Anders B., Cranston, R. I. Universal bench grinder. 2,409,415; Oct. 15.

Bloom, Frederick S., assignee: *See*—
Guthrie, James M.

Bock, George E., Chicago, assignor to Whiting Corporation, Harvey, Ill. Apparatus for testing the brakes on airplane ground wheels. 2,409,467; Oct. 15.

Bock, George E., Chicago, assignor to Whiting Corporation, Harvey, Ill. Engine work stand. 2,409,468; Oct. 15.

Bohler, Francis M., Long Beach, Calif. Portable surface grinder. 2,409,340; Oct. 15.

Bohmer, Charles W., Jr.: *See*—
Wright, Donald L., and Bohmer.

Bolsey, Jacques, New York, N. Y. Photographic camera. 2,409,605; Oct. 15.

Bolton, John W., & Sons, Inc., assignee: *See*—
Stuck, Harold D., and Bolton.

Bolton, William W.: *See*—
Stuck, Harold D., and Bolton.

Borden, David M., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for controlling superchargers. 2,409,533; Oct. 15.

Borg, Edward M., Seattle, Wash. Centrifugal extractor. 2,409,341; Oct. 15.

Borg-Warner Corporation, assignee: *See*—
Carnagua, Harold E.

Bouwers, Albert, Eindhoven, Netherlands; vested in the Alien Property Custodian. Telescope system. 2,409,186; Oct. 15.

Bower, John H., Burlingame, Calif. Shampoo cabinet combination. 2,409,187; Oct. 15.

Bowlus, Omer E.: *See*—
Nims, Paul T., and Bowlus.

Bowlus, Omer E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Electrical control system. 2,409,534; Oct. 15.

Bracke, R. F., & Company, assignee: *See*—
Bracke, Robert F.

Bracke, Robert F., Arlington Heights, assignor to R. F. Bracke & Company, Chicago, Ill. Lavatory and disinfection control. 2,409,535; Oct. 15.

Braddon, Frederick D., Babylon, and S. Kellogg, 2nd, Rye, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Erection controlling device for gyroscopes. 2,409,188; Oct. 15.

Braunworth, Albert, Queens Village, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing cylinder blanket securing mechanism. 2,409,536; Oct. 15.

Bravo, Mauricio, Chicago, Ill. Incense dispenser. 2,409,469; Oct. 15.

Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Burner and fuel flow control means. 2,409,470; Oct. 15.

Breeze, Charles A., Aberdeen, Scotland. Tractor wheel attachment. 2,409,246; Oct. 15.

Bright, John W., Los Angeles, Calif. Excessive speed exhibitor. 2,409,537; Oct. 15.

Brill, Aron, Brooklyn, N. Y., and W. Kneissler, Roselle, N. J. Safety interlocking clothes hanger. 2,409,538; Oct. 15.

Broberg, Fred E., Racine, Wis. Blade grinder. 2,409,416; Oct. 15.

Brooker, Leslie G. S., Rochester, N. Y., and H. W. J. Cressman, Glenside, Pa., assignors to Eastman Kodak Company, Rochester, N. Y. Merocyanine dyes. 2,409,189; Oct. 15.

Brooks, John W., Wenonah, and A. A. O'Kelly, Woodbury, N. J., and R. H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Polymerization process. 2,409,247; Oct. 15.

Brooks, John W., Wenonah, and A. A. O'Kelly, Woodbury, N. J., and R. H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Polymerization. 2,409,248; Oct. 15.

Brosseit, Mary A., Chicago, Ill. Airplane toy. 2,409,471; Oct. 15.

Brown, George B., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Insulating covering and making the same. 2,409,249; Oct. 15.

Brown, Gordon S., Wellesley Hills, Mass., and J. W. Forrester, Anselmo, Nebr., assignors, by mesne assignments, to Sperry Gyroscope Company, Inc. Remote control system. 2,409,190; Oct. 15.

Brown, Grover W., Wyckoff, assignor to The Okonite Company, Passaic, N. J. Insulated wire and cable. 2,409,539; Oct. 15.

Brown, Joseph M., Philadelphia, Pa. Firearm bolt tool. 2,409,191; Oct. 15.

Budd Company, The, assignee: *See*—
Callender, Edwin M.

Bull, Cabot S., Hillingdon, England, assignor to Electric and Musical Industries Limited. Electron discharge device. 2,409,417; Oct. 15.

Burlington Mills Corporation, assignee: *See*—
Adams, Hal M.

Butcher, William T., and A. Lloyd, Greenford, assignors to Goodlass Wall & Lead Industries Limited, Oxted, England. Extruded pipe made from lead alloys. 2,409,540; Oct. 15.

Butler, William L., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,409,472; Oct. 15.

Callender, Edwin M., assignor to The Budd Company, Philadelphia, Pa. Electronic timing device. 2,409,473; Oct. 15.

Cannon, Edward J., Dunbar, and H. A. Stuewe, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Separation of butadiene. 2,409,250; Oct. 15.

Cantley, Joseph C., Beverly, and A. F. Pym, deceased, Topsfield, by G. H. Heys, administrator, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Automatic firearm. 2,409,251; Oct. 15.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Cannon, Edward J., and Stuewe.

Carmichael, Asa B., Tujunga, Calif. Vehicle step. 2,409,418; Oct. 15.

Carnagua, Harold E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Variable-speed transmission control. 2,409,541; Oct. 15.

Carswell, Thomas S., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Container. 2,409,252; Oct. 15.

Carter Carburetor Corporation, assignee: *See*—
Martin, Charles L.

Carter, Philip S., Rocky Point, N. Y., assignor to Radio Corporation of America. High-frequency transducer system. 2,409,542; Oct. 15.

Case, J. I., Company, assignee: *See*—
MacGregor, Wallace F.
Richardson, Martin A.

Cassidy, Joseph J., Fort Wayne, Ind. Rod support for reinforced concrete structures. 2,409,342; Oct. 15.

Cefoil Limited, assignee: *See*—
Speakman, John B., and Chamberlain.

Celanese Corporation of America, assignee: *See*—
Croft, Cyril M., and Waller.
Ward, George C., and Pull.

Chain Belt Company, assignee: *See*—
Sivyer, Benjamin E.

Chamberlain, Norman H.: *See*—
Speakman, John B., and Chamberlain.

Channing, Robert, Company, assignee: *See*—
Levaggi, Albert F.

Chatfield, Franklin, assignor to Munsingwear, Inc., Minneapolis, Minn. Apparatus for shrinking fabrics. 2,409,543; Oct. 15.

Chicago Aerial Survey Company, assignee: *See*—
Sonne, Frederick T., and Sussin.

Chris, Stephen J., Pacific Palisades, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Clamping structure. 2,409,253; Oct. 15.

Christaldi, Peter S., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Device for measuring impedances. 2,409,419; Oct. 15.

Chrysler Corporation, assignee: *See*—
Borden, David M.
Bowlus, Omer.
Gilfillan, Henry W., and Bailey.
Nims, Paul T., and Bowlus.
Sassmanhausen, Lee C.

Cities Service Oil Company, assignee: *See*—
Morgan, John D., and Lowe.

Claesson, Per H. E.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.

Clapp, Richard G., Haverford, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. High-frequency attenuator and divider circuits. 2,409,474; Oct. 15.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating appliance. 2,409,420; Oct. 15.

Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,409,544; Oct. 15.

Cline, Edward T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Shaped protein structures and their preparation. 2,409,475; Oct. 15.

Collins, Arthur A., Cedar Rapids, Iowa, assignor to Collins Radio Company. Tuning device clutch. 2,409,192; Oct. 15.

Collins Radio Company, assignee: *See*—
Collins, Arthur A.

Colt's Patent Fire Arms Manufacturing Company, assignee: *See*—
Webb, George.

Cone Automatic Machine Company Inc., assignee: *See*—
Miller, Carroll E., and Parker.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Rocheville, Harry D.

Container Corporation of America, assignee: *See*—
Jacobson, Egbert.

Conzelman, John E., Jr., assignor to Solar Aircraft Company, San Diego, Calif. Apparatus for die-forming sheet material. 2,409,254; Oct. 15.

Corning Glass Works, assignee: *See*—
Armistead, William H., Jr.

Cornish, Irving R., assignee, et al.: *See*—
Paxton, John W.

Cornwell, Arthur L., Wellsville, N. Y. Torque wrench. 2,409,545; Oct. 15.

Corson, Bolton L., Plymouth Meeting, Pa. Conditioning and treating lime and product thereof. 2,409,546; Oct. 15.

Cotchett, Louis M., Hingham, assignor to Saco-Lowell Shops, Boston, Mass. Weighting apparatus for textile drafting mechanisms. 2,409,255; Oct. 15.

Courchene, Theodore P., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,409,193; Oct. 15.

Courchene, Theodore P., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,409,194; Oct. 15.

Cox, George S., and E. J. Sandel, St. Louis, Mo.; said Sandel assignor to said Cox. Game. 2,409,547; Oct. 15.

Crawford, Walter J., New Orleans, La. Surgical splint. 2,409,195; Oct. 15.

Creelman, George D., Mountain Lakes, N. J., and J. F. Crowther, Mount Vernon, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Contacting solids with vapors. 2,409,476; Oct. 15.

Cressman, Homer W. J.: *See*—
Brooker, Leslie G. S., and Cressman.

Crites, Wilbur J., deceased, by First National Bank in Bartlesville, Bartlesville, Okla., executor; said Crites assignor to Phillips Petroleum Company. Hydraulic coupling. 2,409,256; Oct. 15.

Croft, Cyril M., and T. S. Waller, Cumberland, Md., assignors to Celanese Corporation of America. Acid fading inhibition. 2,409,257; Oct. 15.

Crowther, John F.: *See*—
Creelman, George D., and Crowther.

Cunningham, Thomas P., Kearny, N. J. Automatic turboplanetary transmission. 2,409,196; Oct. 15.

Curtis, Raymond M., Baltimore, Md., assignor to Macalaster Bicknell Company, Cambridge, Mass. Fluid inlet-outlet device, particularly for clinical purposes. 2,409,343; Oct. 15.

Curtiss, Leon F.: *See*—
Krasnow, Shelley, and Curtiss.

Curtiss-Wright Corporation, assignee: *See*—
Trautschold, Reginald.

Cutler-Hammer, Inc., assignee: *See*—
Feldhausen, Cyril P.
Reeves, James B.

Darling & Company, assignee: *See*—
Patience, William M., and Kimball.

David, Raymond C., Leominster, Mass., assignor to Delamere Company, Inc., New York, N. Y. Hair wave clip. 2,409,197; Oct. 15.

Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Plasticizing chloroprene polymers. 2,409,344; Oct. 15.

Davis, Lewis, Worcester, and A. J. Gauthier, Brookfield, assignors to McLaurin-Jones Co., Brookfield, Mass. Asphalt adhesive. 2,409,258; Oct. 15.

Dean, Russell T., Stamford, Conn., and V. L. King, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of nicotinic acid. 2,409,345; Oct. 15.

Debacher, Max O., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl acetal. 2,409,548; Oct. 15.

Deere & Company, assignee: *See*—
Silver, Walter H.

Deering, Roland F.: *See*—
Doumani, Thomas F., and Deery.

Deery, Roland: *See*—
Doumani, Thomas F., and Deery.

Delamere Company, Inc., assignee: *See*—
David, Raymond C.

De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fluid supply apparatus for burners. 2,409,477; Oct. 15.

Denison Engineering Company, The, assignee: *See*—
Blasutta, Victor V.

Dennison Manufacturing Company, assignee: *See*—
Hastings, Dana B.

Dickow, Frederick P., Chicago, Ill., assignor to International Harvester Company. Feeder for balers. 2,409,478; Oct. 15.

Dickson, Wilbur R., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Material handling mechanism. 2,409,346; Oct. 15.

Di-Noc Manufacturing Company, The, assignee: *See*—
Heinecke William and F.

Djidics, Alexander, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Blasting cap crimper. 2,409,549; Oct. 15.

Dobkowski, Matthew, Detroit, Mich. Electrode for spot welding. 2,409,550; Oct. 15.

Doig, John C., assignee, et al.: *See*—
Banks, Joseph L.

Donnellan, Maurice L., Ypsilanti, Mich. Aircraft propulsion. 2,409,551; Oct. 15.

Donnellan, Maurice L., Ypsilanti, Mich. Aircraft propulsion device. 2,409,552; Oct. 15.

Dootson, Norman L., San Francisco, Calif. Dial calendar. 2,409,347; Oct. 15.

Douglas Aircraft Company, Inc., assignee: *See*—
Chris, Stephen J.
Rogers, Allan B., Sr.

Doumani, Thomas F., Wilmington, and R. Deery, Long Beach, now by judicial change of name to R. F. Deering, assignors to Union Oil Company of California, Los Angeles, Calif. Preparation of conjugated dienes. 2,409,259; Oct. 15.

D'Ouville, Edmond L., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Butane isomerization. 2,409,260; Oct. 15.

Dow Chemical Company, The, assignee: *See*—
Wiley, Ralph M.

Dow, Raymond, Flushing, N. Y. Wound closing device. 2,409,261; Oct. 15.

Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector mechanism. 2,409,553; Oct. 15.

Drake, Harcourt C., Hampstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Flaw detector for tubing. 2,409,554; Oct. 15.

Dufault, Homer D., Easthampton, assignor to Heatbath Corporation, Indian Orchard, Mass. Reinforced gas burner. 2,409,421; Oct. 15.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Christaldi, Peter S.

Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator control system. 2,409,198; Oct. 15.

Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator control system. 2,409,199; Oct. 15.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Cline, Edward T.
Green, Howard D., and Hendrixson.
Hanford, William E., and Rigby.
Leonard, James W.
Rigby, George W., and Schroeder.

Eastman Kodak Company, assignee: *See*—
Brooker, Leslie G. S., and Cressman.

Egan, Francis A., Mount Lebanon, assignor to Superior Steel Corporation, Pittsburgh, Pa. Treatment of bimetallic billets. 2,409,422; Oct. 15.

Eisler, Charles, South Orange, N. J. Driving means for glass forming machines. 2,409,423; Oct. 15.

Elastic Stop Nut Corporation, of America, assignee: *See*—
Johnson, John E.

Eldred, Andrew J., Grosse Pointe Farms, assignor to Autopulse Corporation, Detroit, Mich. Manifold assembly. 2,409,262; Oct. 15.

Electric and Musical Industries Limited, assignee: *See*—
Bull, Cabot S.

Elkins, Hervey B.: *See*—
Finkelstein, Leo.

Evans, Lewis W., Pittsfield, Mass., assignor to General Electric Company. Electrical connector. 2,409,200; Oct. 15.

Evans, Louis P.: *See*—
Simpson, Thomas P., Payne, and Evans.

Evans, William I., Los Angeles, Calif. Convertible appliance stand and service table. 2,409,348; Oct. 15.

Evering, Bernard L.: *See*—
D'Ouville, Edmond L., and Evering.

Ewing, Frederick J., Pasadena, and R. A. Lovett, East Los Angeles, assignors to Filtrol Corporation, Los Angeles, Calif. Desiccant. 2,409,263; Oct. 15.

Ex-Cell-O Corporation: *See*—
Russell, George L.

Falk, Morris, Leominster, assignor to Independent Lock Company, Fitchburg, Mass. Laminated lock. 2,409,424; Oct. 15.

Falkenberg, Douglas R., Lakewood, Ohio. Drapery mounting. 2,409,425; Oct. 15.

Feldhausen, Cyril P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 2,409,264; Oct. 15.

Feldman, Hugo, Birmingham, England. Binder for stationery sheets. 2,409,426; Oct. 15.

Fenton, George D., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Classifier. 2,409,265; Oct. 15.

Filtrol Corporation, assignee: *See*—
Ewing, Frederick J., and Lovett.

Finkelstein, Leo, Aberdeen, Md., and H. B. Elkins, U. S Army. Smoke-producing mixture. 2,409,201; Oct. 15

First National Bank in Bartlesville, executor: *See*—
Crites, Wilbur J.

Fisher, Ernest F., assignor to Whiting Corporation, Harvey, Ill. Grinding and polishing booth. 2,409,479; Oct. 15.

Fleer, Harry H., assignor to Gem City Pattern Co., Quincy, Ill. Automatic check and draft control for stoves. 2,409,480; Oct. 15.

Focht, Nevin S., Syracuse, N. Y. Hydraulic shock absorber. 2,409,349; Oct. 15.

Fomberg, Zygmunt, New York, N. Y. Equilibrated rocket shell. 2,409,427; Oct. 15.

Fordham, Thomas B., and T. W. Moore, Dayton, Ohio. Combined hearing aid and radio receiving set. 2,409,481; Oct. 15.

Forrest, Mark L., Leavenworth, Wash. Internal-combustion engine. 2,409,350; Oct. 15.

Forrester, Jay W.: *See*—
Brown, Gordon S., and Forrester.

Fourè, Jacques: *See*—
Gadoux, Eugéne M., and Fourè.

Fowler, Victor M., Spokane, Wash. Ladder. 2,409,266; Oct. 15.

Francis, Oliver T., Renville, Minn. Electronic ignition system. 2,409,202; Oct. 15.

Fuchs, Charles F.: *See*—
Kharasch, Morris S., and Fuchs.

Furgal, Frank L., Dover, N. H. Lug strap and power stick for looms. 2,409,482; Oct. 15.

Gadoux, Eugéne M., Cormeilles-en-Parisis, and J. Fourè, Paris, France. Piston engine. 2,409,555; Oct. 15.

Gale, James A., New York, N. Y. Sheet slitting device. 2,409,203; Oct. 15.

Gall, James E., Washington, D. C. Shaft locking device. 2,409,204; Oct. 15.

Galloway, Clarence T.: *See*—
Barker, Paul F., Hartman, Galloway, and Kunes.

Gandelot, Howard K., Grosse Pointe, assignor to General Motors Corporation, Detroit, Mich. Electric switch. 2,409,483; Oct. 15.

Gardner, Daniel, New York, N. Y., assignor to Virginia Metal Industries, Inc. Treating iron ores containing chromium and related oxides. 2,409,428; Oct. 15.

Gatke, Thomas L., Oak Park, Ill. Bearing stave and making same. 2,409,267; Oct. 15.

Gauthier, Armand J.: *See*—
Davis, Lewis, and Gauthier.

Gauthier, Marcel C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Supporting apparatus. 2,409,484; Oct. 15.

Gearhart, Ishmael H., Salem, Va. Stitch picker. 2,409,351; Oct. 15.

Gem City Pattern Co., assignee: *See*—
Fleer, Harry H.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Butler, William L.
Evans, Lewis W.
Jones, Benjamin W.
Kettlewell, Eric.
Linville, Thomas M.

General Machinery Corporation, assignee: *See*—
Lewis, Frank M.

General Motors Corporation, assignee: *See*—
Gandelot, Howard K.
Jacobs, James W.
Leland, Robert W.
Marvin, John T., and Koehring.
Patch, Earl S., and Moore.
Spicacci, Attilio R.

Geophysical Development Corporation, assignee: *See*—
Krasnow, Shelley, and Curtiss.

George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Filter. 2,409,556; Oct. 15.

Gerlich, Stephen, Chicago, Ill. Shoe rack. 2,409,268; Oct. 15.

Gersohn, William, Yonkers, N. Y. Collapsible garment hanger. 2,409,269; Oct. 15.

Gilbert & Barker Manufacturing Company, assignee: *See*—
De Lancey, Warren H.
Logan, Joseph A.

Gilfillan, Henry W., Detroit, and E. L. Bailey, Birmingham, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,409,557; Oct. 15.

Gill, Ray H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rivet. 2,409,352; Oct. 15.

Gillette Safety Razor Company, assignee: *See*—
Testi, Nicholas.

Giuliani, Chester J., and C. H. Angell, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,409,353; Oct. 15.

Glasberg, Myer M.: *See*—
Bernheim, Daniel P., and Glasberg.

Gleason Works, assignee: *See*—
Barker, Paul F., Hartman, Galloway, and Kunes.

Glessner, Milton O., Salina, Kans. Handling granular materials. 2,409,270; Oct. 15.

Goldowski, Natacha, assignor to Welding Research, Inc., Chicago, Ill. Cleaning aluminum. 2,409,271; Oct. 15.

Goodlass Wall & Lead Industries Limited, assignee: *See*—
Butcher William T., and Lloyd.

Goodrich, B. F., Company, The, assignee: *See*—
Gill, Ray H.
Hunter, Willson H.
Krotz, Alvin S.
Leguillon, Charles W.
Leguillon, Charles W., and Krotz.
Leguillon, Charles W., and Krupp.

Graumann, Raymond L., Alexandria, Va. Bomb fuse. 2,409,205; Oct. 15.

Green, Donald W., trustee, assignee: *See*—
McGill, Daniel F.

Green, Howard D., Pasadena, Calif., and P. R. Hendrixson, Moundsville, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of hydrocyanic acid. 2,409,429; Oct. 15.

Greenleaf, Carroll V., Edmonds, Wash. Flow indicator for pipe lines. 2,409,430; Oct. 15.

Gregor, Edmund L.: *See*—
Hagen, John A., Gregor, and Prendergast.

Grunwell, Alfred M., Washington, D. C. Gas mask carrier pocket attachment for firemen's coats. 2,409,354; Oct. 15.

Gunn, Robert D., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of gas. 2,409,558; Oct. 15.

Guthrie, James M., Allison Park, assignor to F. S. Bloom, Pittsburgh, Pa. Industrial furnace and firing apparatus. 2,409,272; Oct. 15.

Hagen, John A., Glen Rock, E. L. Gregor, Ramsey, and L. Prendergast, assignors to Molded Latex Products, Inc., Passaic, N. J. Making balloons. 2,409,486; Oct. 15.

Haight, Norman L., assignor to Sperry Products, Inc., Hoboken, N. J. Data transmitter. 2,409,559; Oct. 15.

Haight, Norman L., assignor to Sperry Products, Inc., Hoboken, N. J. Data transmitter. 2,409,560; Oct. 15.

Hamilton, Clarence R., Roseville, J. King, Glendale, Calif., and J. D. Baker, Winnetka, Ill., assignors to Johns-Manville Corporation, New York, N. Y. Refrigerator car drip pan. 2,409,273; Oct. 15.

Hanford, William E., Easton, Pa., and G. W. Rigby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyfluoro organic ethers and their preparation. 2,409,274; Oct. 15.

Harris, Benjamin R., Chicago, Ill. Chemical compounds and producing same. 2,409,275; Oct. 15.

Harris, Thaddeus S., Waverly, Ill. Automatic control valve for jet. 2,409,561; Oct. 15.

Hartford-Empire Company, assignee: *See*—
Merrill, Donald G.

Hartman, Herbert G.: *See*—
Barker, Paul F., Hartman, Galloway, and Kunes.

Harvel Research Corporation, assignee: *See*—
Harvey, Mortimer T.

Harvey, Mortimer T., East Orange, N. J., assignor to Harvel Research Corporation. Compositions comprising blown terpenic products and vinyl polymers and making. 2,409,276; Oct. 15.

Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Plasticized polychloroprene. 2,409,277; Oct. 15.

Hastings, Dana B., assignor to Dennison Manufacturing Company, Framingham, Mass. Paper parachute. 2,409,562; Oct. 15.

Heatbath Corporation, assignee: *See*—
Dufault, Homer D.

Hedberg, Carl W. J., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Air cleaning plant. 2,409,563; Oct. 15.

Hedges, Lee M., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Filter. 2,409,278; Oct. 15.

Heinecke, Frieda: *See*—
Heinecke, William and F.

Heinecke, William and F., Verona, N. J., assignors to The Di-Noc Manufacturing Company, Cleveland, Ohio. Transfer material. 2,409,564; Oct. 15.

Hendrixson, Philip R.: *See*—
Green, Howard D., and Hendrixson.

Herold, Edward W., Kingston, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,409,485; Oct. 15.

Hess, Frederic O., Germantown, Pa., assignor to Selas Corporation of America. Heating work. 2,409,431; Oct. 15.

Hessman, William E., Luckey, Ohio, assignor to National Gypsum Company, Buffalo, N. Y. Method and apparatus for calcining materials. 2,409,206; Oct. 15.

Heys, George H., administrator: *See*—
Cantley, Joseph C., and Pym.

Hilger, Henry M., Fort Wayne, Ind. Teeter-go-round. 2,409,487; Oct. 15.

Hiller, Abe, assignor of one-third to J. G. Lichtig, and one-third to M. Hiller, Milwaukee, Wis. Refrigeration apparatus. 2,409,279; Oct. 15.

Hiller, Max, assignee, et al.: *See*—
Hiller, Abe.

Hoe, R., & Co., Inc., assignee: *See*—
Braunworth, Albert.

Hohwart, Ernest F., Detroit, assignor to N. A. Woodworth Company, Ferndale, Mich. Comparator. 2,409,280; Oct. 15.

Holdsworth, Willie, Seekonk, Mass. Gill bar or faller for gill-drawing machines. 2,409,565; Oct. 15.

Holdsworth, Willie, Seekonk, Mass. Machine for producing staple fibers from slivers composed of continuous fibers. 2,409,566; Oct. 15.

Hollenkamp, Theodore J., Detroit, Mich. Extended end connection. 2,409,207; Oct. 15.

Holsclaw, Neil, Los Angeles, Calif., assignor of one-half to F. E. Sudlow, Rock Island, Ill. Tonsorial device. 2,409,281; Oct. 15.

Holst, Paul F. G., and L. R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America. Signaling system. 2,409,208; Oct. 15.

Homrighous, John H., Oak Park, Ill. Facsimile communication system. 2,409,488; Oct. 15.

Hopkins, Nevil M., deceased, New York, N. Y.; R. B. Hopkins, executor, assignor, by mesne assignments, to R. B. Hopkins, S. Lloyd, and M. T. Quigg, as trustees. Dual-purpose aerial bomb. 2,409,282; Oct. 15.

Hopkins, Raymonde B., executor: *See*—
Hopkins, Nevil M.

Hopkins, Raymonde B., trustee, assignee, et al.: *See*—
Hopkins, Nevil M.

Hopping, Ernest L., Brookline, Pa. Hopper construction. 2,409,567; Oct. 15.

Houdaille-Hershey Corporation, assignee: *See*—
Magrum, Gervase M.

Hovey, C. Earl, assignee: *See*—
McGuire, John S.

Hubbard, Edward R., Taunton, Mass. Intravenous needle holder. 2,409,432; Oct. 15.

Hubert, Clarence A.: *See*—
Rosenthal, William C., and Hubert.

Hudson, James L., Detroit, Mich. Coupling for plastic tubes. 2,409,283; Oct. 15.

Human, Alfred A., Sacramento, Calif. Airplane tire. 2,409,355; Oct. 15.

Hunt, George V.: *See*—
Sheehan, Edward F.

Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Duct throttle. 2,409,433; Oct. 15.

Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Watertight closure. 2,409,489; Oct. 15.

Hutchings, Charles F., Perinton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Goggle. 2,409,356; Oct. 15.

Hutchins, Francis E.: *See*—
Alton, William H., and Hutchins.

Hyster Company, assignee: *See*—
Shoemaker, Robert C.

Imperial Chemical Industries Limited, assignee: *See*—
Tanner, Charles C.

Independent Lock Company, assignee: *See*—
Falk, Morris.

Interchemical Corporation, assignee: *See*—
Lee, Ernest D.

International Harvester Company, assignee: *See*—
Dickow, Frederick P.
Mott, Carl W.
Rogers, Clifford R., Bechman, and Ziskal.
Rosenthal, William C., and Hubert.

Jackson, George W., assignor to American Optical Company, Southbridge, Mass. Glass hardening. 2,409,284; Oct. 15.

Jackson, Horace G., Woodstown, N. J. Holder for bottles. 2,409,357; Oct. 15.

Jacobs, James W., Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,409,434; Oct. 15.

Jacobson, Egbert, assignor to Container Corporation of America, Chicago, Ill. Color chart system. 2,409,285; Oct. 15.

Jaeger Machine Company, The, assignee: *See*—
Messana, Joseph, Jr.
Millikin, Arnold S.
Van Voorhis, William G.

Jasco, Incorporated, assignee: *See*—
Young, David W.

Jeffrey Manufacturing Company, The, assignee: *See*—
Dickson, Wilbur R.

Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Tuft anchoring means for brushes. 2,409,490; Oct. 15.

Johns-Manville Corporation, assignee: *See*—
Brown, George B.
Hamilton, Clarence R., King, and Baker.
Hedges, Lee M.

Johnson, Harry C., Mason City, Nebr. Adjustable fastener for electric fence insulators. 2,409,491; Oct. 15.

Johnson, John E., Morristown, assignor to Elastic Stop Nut Corporation of America, Union, N. J. Removable basket nut. 2,409,209; Oct. 15.

Johnson, Melvin M., assignee, trustee, et al.: *See*—
Johnson, Melvin M., Jr.

Johnson, Melvin M., Jr., assignor to M. M. Johnson, M. M. Johnson, Jr., Brookline, and E. E. Rice, as trustees of Johnson Patent Trust of Boston, Mass. Firearm. 2,409,568; Oct. 15.

Johnson, Melvin M., Jr., assignor to M. M. Johnson and said M. M. Johnson, Jr., Brookline, and E. E. Rice, as trustees of Johnson Patent Trust of Boston, Mass. Automatic firearm. 2,409,569; Oct. 15.

Johnson Patent Trust of Boston, Mass., assignee: *See*—
Johnson, Melvin M., Jr.

Jolly, Carl H., U. S. Navy. Rocket launching device. 2,409,210; Oct. 15.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Thermal time sequencing control system. 2,409,492; Oct. 15.

Jones, Edward L., Greenville, S. C. Game board. 2,409,493; Oct. 15.

Joyce, William J., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Eye protective means. 2,409,286; Oct. 15.

K-D Lamp Company, The, assignee: *See*—
Trautner, Wagn.

Kaiser Fleetwings, Inc., assignee: *See*—
Wood, Robert W.

Källe, Karl T., Saffle, Sweden. Device for removing particle deposits from gas purifying apparatus associated with gas generators. 2,409,211; Oct. 15.

Kaplan, Jacob J., Boston, Mass. Automatic recording apparatus. 2,409,358; Oct. 15.

Kaul, Richard D., Fairfield, assignor to The Sealand Corporation, Southport, Conn. Thermoresponsive cable. 2,409,359; Oct. 15.

Kautz, Frederick, Philadelphia, Pa. Structural member. 2,409,212; Oct. 15.

Kawneer Company, The, assignee: *See*—
Peterson, Victor E.

Keating, George H., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Catalyst manufacture. 2,409,494; Oct. 15.

Kelley, Charles F., Chicago, Ill. Table. 2,409,495; Oct. 15.

Kelley, Theron R., Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Exhaust gas deflector for internal-combustion engines. 2,409,496; Oct. 15.

Kellogg, M. W., Company, The, assignee: *See*—
Creelman, George D., and Crowther.

Kellogg, Spencer, 2nd: *See*—
Braddon, Frederick D., and Kellogg.

Kessel, Johannes B., assignor to G. B. Von Kessel, Chicago, Ill. Juice extractor. 2,409,497; Oct. 15.

Keston, Albert S., New York, N. Y. Geiger-Müller counter. 2,409,498; Oct. 15.

Ketay, Morris F., and M. Sherman, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Indicating mechanism. 2,409,435; Oct. 15.

Kettlewell, Eric, Kingsbury, London, England, assignor to General Electric Company. Seal structure for electric lamps and similar devices. 2,409,360; Oct. 15.

Kettlewell, Eric, Kingsbury, London, England, assignor to General Electric Company. Seal for electric lamps and similar devices. 2,409,361; Oct. 15.

Kharasch, Morris S., and C. F. Fuchs, Chicago, Ill., assignor to Eli Lilly & Company, Indianapolis, Ind. Unsaturated amines and making same. 2,409,287; Oct. 15.

Kilgore, George R., Verona, N. J., assignor to Radio Corporation of America. Beam deflection electron discharge device. 2,409,499; Oct. 15.

Kilgore, Lee A., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Damping for electrical machines. 2,409,213; Oct. 15.

Kimball, Donald E., 2nd: *See*—
Patience, William M., and Kimball.

King, James: *See*—
Hamilton, Clarence R., King, and Baker.

King, Victor L.: *See*—
Dean, Russell T., and King.

Kirkwood, Loren R.: *See*—
Holst, Paul F. G., and Kirkwood.

Kleinmann, Max, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Package. 2,409,362; Oct. 15.

Kneissler, Walter: *See*—
Brifl, Aron, and Kneissler.

Koehring, Roland P.: *See*—
Marvin, John T., and Koehring.

Kramer, Tobias, Brooklyn, N. Y. Tie rack. 2,409,570; Oct. 15.

Krasnow, Shelley, New York, N. Y., and L. F. Curtiss, Montgomery County, Md., assignors to Geophysical Development Corporation, Washington, D. C. Method and apparatus for direct recording of borehole radioactivity. 2,409,436; Oct. 15.

Kratky, Anton, New York, N. Y. Grinding and polishing tool. 2,409,363; Oct. 15.

Krotz, Alvin S.: *See*—
Leguillon, Charles W., and Krotz.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Spring. 2,409,500; Oct. 15.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vehicle suspension. 2,409,501; Oct. 15.

Krupp, Carroll P.: *See*—
Leguillon, Charles W., and Krupp.

Kuder, Milton L.: *See*—
Smith, Carl H., Jr.

Kunes, Bernard M.: *See*—
Barker, Paul F., Hartman, Galloway, and Kunes.

Kurtz, Henry F., Rochester, and R. G. Morrison, Greece, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,409,364; Oct. 15.

La Crosse, Clifford G., Baltimore, Md. Compounding material for rubber and rubber substitutes. 2,409,437; Oct. 15.

Lamb, Thomas, New York, N. Y. Crutch. 2,409,365; Oct. 15.

Landrum, Porter, Birmingham, Ala. Aircraft propeller. 2,409,438; Oct. 15.

Lang, Felix E., Sayreville, N. J. Frame structure. 2,409,366; Oct. 15.

Law, Thomas E., Central Heights Globe, Ariz. Wind power plant. 2,409,439; Oct. 15.

Lebworth, Mark K.: *See*—
Mautner, Oscar, and Lebworth.

Lee, Ernest D., West Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Intaglio ink. 2,409,214; Oct. 15.

Lee, Ernest D., West Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Printing ink. 2,409,215; Oct. 15.

Lee, Ernest D., West Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Refining resin. 2,409,216; Oct. 15.

Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for splicing rubberlike materials. 2,409,571; Oct. 15.

Leguillon, Charles W., and C. P. Krupp, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Protective clothing. 2,409,367; Oct. 15.

Leguillon, Charles W., and A. H. Krotz, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Track for self-laying track type vehicle. 2,409,502; Oct. 15.

Leland, Robert W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Actuator seal. 2,409,288; Oct. 15.

Leonard, James W., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulphamic acid. 2,409,572; Oct. 15.

Lessin, Maurice E., New York, N. Y., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive tape dispenser. 2,409,217; Oct. 15.

Levaggi, Albert F., Brockton, assignor to Robert Channing Company, East Bridgewater, Mass. Shoe tree. 2,409,573; Oct. 15.

Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent material and manufacture. 2,409,574; Oct. 15.

Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Alkali halide screen and manufacture. 2,409,606; Oct. 15.

Levin, Carl A., and O. A. Lorenz, assignors to Teletype Corporation, Chicago, Ill. Plug separator. 2,409,289; Oct. 15.

Lewis, Frank M., Weston, Mass., assignor to General Machinery Corporation, Hamilton, Ohio. Strain relieving and dephasing stop means for free piston engines. 2,409,218; Oct. 15.

Lichtig, Jack G., assignee, et al.: *See*—
Hiller, Abe.

Lilly, Eli, & Company, assignee: *See*—
Kharasch, Morris S., and Fuchs.

Linville, Thomas M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,409,503; Oct. 15.

Lipp, Rudolf W., Berlin-Pankow, Germany; vested in the Alien Property Custodian. Tool guiding device. 2,409,290; Oct. 15.

Lipton, Morris, Rutherford, N. J., assignor to Sun Chemical Corporation. Combined printing press and conveyer means. 2,409,368; Oct. 15.

Lloyd, Arnold: *See*—
Butcher, William T., and Lloyd.

Lloyd, Samuel, trustee, assignee, et al.: *See*—
Hopkins, Nevil M.

Lo Curto, Anthony R., Brooklyn, N. Y. Ear ornament. 2,409,369; Oct. 15.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 2,409,504; Oct. 15.

Lorenz, Otto A.: *See*—
Levin, Carl A., and Lorenz.

Lott, William A., Maplewood, and R. Van Winkle, Highland Park, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Chemotherapeutic sulphanilamide derivatives. 2,409,291; Oct. 15.

Lovett, Roger A.: *See*—
Ewing, Frederick J., and Lovett.

Lowe, Russell E.: *See*—
Morgan, John D., and Lowe.

Macalaster Bicknell Company, assignee: *See*—
Curtis, Raymond M.

MacGregor, Wallace F., deceased; R. D. Miller, special administrator, assignor to J. I. Case Company, Racine, Wis. Stationary concave screen. 2,409,292; Oct. 15.

Magrum, Gervase M., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic shock absorber piston and cylinder construction. 2,409,505; Oct. 15.

Manson, Frank G., Chicago, Ill., and J. J. Maskey, Ferndale, Mich. Fabric. 2,409,370; Oct. 15.

Margrave, Wilton: *See*—
Melichar, Joseph F., and Margrave.

Marker, Russell E., Mexico City, Mexico, assignor to Parke, Davis & Company, Detroit, Mich. Hormone intermediates and preparation of same. 2,409,293; Oct. 15.

Markey, Roscoe I., Montclair, assignor to Pollak Manufacturing Company, Arlington, N. J. Bomb releasing shackle. 2,409,575; Oct. 15.

Markey, Roscoe I., Montclair, assignor to Pollak Manufacturing Company, Arlington, N. J. Joint band for exhaust manifold systems. 2,409,576; Oct. 15.

Marley Company, Inc., The, assignee: *See*—
Mart, Leon T.

Mart, Leon T., Mission Township, Johnson County, assignor to The Marley Company, Inc., Kansas City, Kans. Multipart distribution nozzle. 2,409,371; Oct. 15.

Martin, Charles L., Overland, assignor to Carter Carburetor Corporation, St. Louis, Mo. Passage plug. 2,409,294; Oct. 15.

Martin, Glenn L., Company, The, assignee: *See*—
Black, John B.
Piper, Paul A.
Von Stackelberg, Yurgen Z.

Marvin, John T., and R. P. Koehring, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Porous metal article. 2,409,295; Oct. 15.

Maskey, James J.: *See*—
Manson, Frank G.

Matson, Leslie E., Jr., Merchantville, N. J., assignor to Radio Corporation of America. Synchronized blocking oscillator. 2,409,577; Oct. 15.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of organic fluorine. 2,409,372; Oct. 15.

Mautner, Oscar, Crestwood, and M. K. Lebworth, New York, N. Y. Gameboard device. 2,409,373; Oct. 15.

Maxwell, Albert A. F., trustee, assignee: *See*—
Ramage, Alexander S.

Maxwell, Carl A., Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Tube expanding. 2,409,219; Oct. 15.

McClain, Waite, Canton, Ohio. Rivet sorting machine. 2,409,440; Oct. 15.

McCleary, Rush F.: *See*—
Morris, John R., and McCleary.

McCleary, Rush F., Beacon, assignor to The Texas Company, New York, N. Y. Lubricants. 2,409,296; Oct. 15.

McDonald, Andrew J., Philadelphia, Pa. Boring machine. 2,409,578; Oct. 15.

McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Drive mechanism. 2,409,506; Oct. 15.

McGarvey, Alan R., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Producing molded basic magnesium carbonate. 2,409,297; Oct. 15.

McGill, Daniel F., assignor to D. W. Green, Portland, Oreg., as trustee. Fluid transmission mechanism. 2,409,374; Oct. 15.

McGuire, John S., Kansas City, Kans., assignor to C. E. Hovey, Kansas City, Mo. Apparatus for contouring the ends of tubular stock. 2,409,375; Oct. 15.

McLaurin-Jones Co., assignee: *See*—
Davis, Lewis, and Gauthier.

Mekler, Lev A., Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Controlling the cooling of convective fluid streams. 2,409,376; Oct. 15.

Melichar, Joseph F., and W. Margrave, assignors to The Parker Appliance Company, Cleveland, Ohio. Sump selector valve. 2,409,220; Oct. 15.

Meneley, Carl A.: *See*—
Tolson, William A., and Meneley.

Mercer, William R.: *See*—
Sanders, Royden C., Jr., Mercer, and Blitz.

Merck & Co., Inc., assignee: *See*—
Becker, Harold J.
Tishler, Max.

Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Drier for decorated ware. 2,409,298; Oct. 15.

Messana, Joseph, Jr., assignor to The Jaeger Machine Company, Columbus, Ohio. Groove-forming attachment for machine tools. 2,409,299; Oct. 15.

Meston, Archibald F., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Composite electrode. 2,409,579; Oct. 15.

Mettetal, Donald, Jr., Indianapolis, Ind. Automatic dirigible tandem wheel unit. 2,409,507; Oct. 15.

Metzger, Floyd J., assignor, by mesne assignments, to U. S. Industrials Chemicals, Inc., New York, N. Y. Production of glycols. 2,409,441; Oct. 15.

Miles, George S., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Step-by-step follow-up and antihunt mechanism. 2,409,300; Oct. 15.

Miller, Carroll E., and D. H. Parker, assignors to Cone Automatic Machine Company Inc., Windsor, Vt. Cam cutting machine. 2,409,301; Oct. 15.

Miller, Edwin A., Fairfield, Conn. Push fastener. 2,409,508; Oct. 15.

Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.

Miller, Richard D., special administrator: *See*—
MacGregor, Wallace F.

Miller, Wade E., assignor to Aircraft Tools, Inc., Los Angeles, Calif. Micrometer stop countersink. 2,409,377; Oct. 15.

Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Puddling machine. 2,409,221; Oct. 15.

Millikin, Arnold S., assignor to The Jaeger Machine Company, Columbus, Ohio. Machine for lifting and stacking receptacles. 2,409,302; Oct. 15.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Lessin, Maurice E.

Molded Latex Products, Inc., assignee: *See*—
Hagen, John A., Gregor, and Prendergast.

Monsanto Chemical Company, assignee: *See*—
Carswell, Thomas S.
Debacher, Max O.

Montgomery, William J., Warren, Ohio. Method and apparatus for cleaning furnace checkers and flues. 2,409,442; Oct. 15.

Moore, Derwin V.: *See*—
Thompson, Harry H., and Moore.

Moore, Thomas W.: *See*—
Fordham, Thomas B., and Moore.

Moore, Wiley T.: *See*—
Patch, Earl S., and Moore.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Instrument lubricant. 2,409,443; Oct. 15.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Clock lubricant. 2,409,444; Oct. 15.

Morgan, Milton F., Shaker Heights, Ohio. Feeding method and apparatus. 2,409,378; Oct. 15.

Morris, John R., Lawrenceville, Ill., and R. F. McCleary, Beacon, assignors to The Texas Company, New York, N. Y. Lubricating oil. 2,409,303; Oct. 15.

Morrison, Joseph I., Lincolnwood, Ill. Compressible core for cooling pipes. 2,409,304; Oct. 15.

Morrison, Robert G.: *See*—
Kurtz, Henry F., and Morrison.

Morton, Jack A., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,409,222; Oct. 15.

Mosaly, Earl M., Eagle Rock, Calif. Clothespin. 2,409,379; Oct. 15.

Mosseller, Lillian M., New York, N. Y. Rug. 2,409,580; Oct. 15.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Tractor-mounted implement. 2,409,509; Oct. 15.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Power adjusting mechanism. 2,409,510; Oct. 15.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Overload release for rockable arms. 2,409,511; Oct. 15.

Muir, Wellington W., Lockport, N. Y. Heat control. 2,409,305; Oct. 15.

Mungo, Thomas A., New York, N. Y. Controlled electric water heater for hygienic use. 2,409,512; Oct. 15.

Munsingwear, Inc., assignee: *See*—
Chatfield, Franklin.

National Bank of Bloomington, The, executor: *See*—
Paxton John W.

National Gypsum Company, assignee: *See*—
Hessman, William.

National Supply Company, assignee: *See*—
Kelley, Theron R.

Navy, United States of America, as represented by the Secretary of the, assignee: *See*—
Nichols, Harry J.

Newman, Max M., New York, N. Y. Sewing machine needle. 2,409,445; Oct. 15.

Nichols, Harry J., Washington, D. C., assignor to the United States of America, as represented by the Secretary of the Navy. Spotting projectiles. 2,409,380; Oct. 15.

Nims, Paul T., and O. E. Bowlus, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Electrical control system. 2,409,581; Oct. 15.

North American Aviation, Inc., assignee: *See*—
Torresen, Carel T.

Northrop Aircraft, Inc., assignee: *See*—
Pavlecka, Vladimir H., and Northrop.

Northrop, John K.: *See*—
Pavlecka, Vladimir H., and Northrop.

Norton Company, assignee: *See*—
Silven, Herbert A.

Oil Devices, assignee: *See*—
Breese, James L.

O'Kelly, Arlie A.: *See*—
Brooks, John W., O'Kelly, and Work.

Okonite-Callender Cable Company, Incorporated, The, assignee: *See*—
Beede, Harry L.
Bennett, Charles E.

Okonite Company, The, assignee: *See*—
Bennett, Charles E.
Brown, Grover W.

Olson, Samuel, Chicago, Ill. Backwater valve. 2,409,582; Oct. 15.

Osborn Manufacturing Company, The, assignee: *See*—
Peterson, Ruben O.

Pacific Flush Tank Company, assignee: *See*—
Platt, William M.

Packard Motor Car Company, assignee: *See*—
McFarland, Forest R.

Page, Albert E. and F. R., assignors to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,409,306; Oct. 15.

Page, Frank R.: *See*—
Page, Albert E. and F. R.

Parke, Davis & Company, assignee: *See*—
Marker, Russell E.

Parker Appliance Company, The, assignee: *See*—
Melichar, Joseph F., and Margrave.
Parker, Arthur L.

Parker, Arthur L., deceased, by H. M. Parker, executrix, Shaker Heights, assignor to The Parker Appliance Company, Cleveland, Ohio. Sump selector valve. 2,409,223; Oct. 15.

Parker, Daniel H.: *See*—
Miller, Carroll E.

Parker, Helen M., executrix: *See*—
Parker, Arthur L.

Parker Stamp Works, Inc., The, assignee: *See*—
Wild, Edward, and Bitter.

Patch, Earl S., Dayton, Ohio, and W. T. Moore, Washington, D. C., assignors to General Motors Corporation, Detroit, Mich. Projectile. 2,409,307; Oct. 15.

Patience, William M., and D. E. Kimball, 2nd, assignors to Darling & Company, Chicago, Ill. Loading and unloading machine. 2,409,513; Oct. 15.

Pavlecka, Vladimir H., Pacific Palisades, and J. K. Northrop, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane power plant. 2,409,446; Oct. 15.

Paxton, Arlie L., executrix, et al.: *See*—
Paxton, John W.

Paxton, George N., assignee, et al.: *See*—
Paxton, John W.

Paxton, John W., assignor of one-third to G. N. Paxton, Bloomington, and one-third to I. R. Cornish, Elmhurst, A. L. Paxton and The National Bank of Bloomington, Bloomington, Ill., executors of said G. N. Paxton, deceased. Filing cabinet. 2,409,308; Oct. 15.

Payne, John W.: *See*—
Simpson, Thomas P., Payne, and Evans.

Pease, Benjamin F., Jr., Grafton, Mass. Garment lacing. 2,409,381; Oct. 15.

Peck, Edward B., Elizabeth, N. J., assignor, by mesne assignments, to Standard Catalytic Company. Aviation gasoline production. 2,409,382; Oct. 15.

Pedersen, Axel V., Los Angeles, Calif. Frame structure. 2,409,383; Oct. 15.

Peerless Tool and Engineering Company, assignee: *See*—
Andresen, Raymond H.

Perkins, Theodore B., West Orange, N. J., assignor to Radio Corporation of America. Voltage doubler and timer circuit. 2,409,583; Oct. 15.

Perri, Angelo, Groveland, assignor to Allied Shoe Machinery Corp., Haverhill, Mass. Relasting machine. 2,409,447; Oct. 15.

Peterman, William W., Wilkes-Barre, Pa. Card game. 2,409,584; Oct. 15.

Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Rotary brush. 2,409,309; Oct. 15.

Peterson, Victor E., assignor to The Kawneer Company, Niles, Mich. Preparing aluminum alloys for heat treatment. 2,409,384; Oct. 15.

Pezzaglia, Philip: *See*—
Ross, William E., and Pezzaglia.

Philco Corporation, assignee: *See*—
Clapp, Richard G.
Stephan, Ingo L.
Tiley, John W.

Phillips Petroleum Company, assignee: *See*—
Crites, Wilbur J.
Matuszak, Maryan P.
Ringham, Clarence R.

Platt, William M., Durham, N. C., assignor to Pacific Flush Tank Company, Chicago, Ill. Supernatant selector device for sludge digestion tanks. 2,409,585; Oct. 15.

Piper, Paul A., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Weight and balance indicator. 2,409,310; Oct. 15.

Platter, Edgar, Albuquerque, N. Mex. Saw set. 2,409,311; Oct. 15.

Pletcher, Clarence B., assignee: *See*—
Pletcher, Lloyd H.

Pletcher, Lloyd H., assignor of forty per cent to Clarence B. Pletcher, Buchanan, Mich. Coupling. 2,409,385; Oct. 15.

Pollak Manufacturing Company, assignee: *See*—
Markey, Roscoe I.

Powell, Winfred T., assignor to Stromberg-Carlson Company, Rochester, N. Y. Automatic telephone system. 2,409,586; Oct. 15.

Pratt, George W., Lancaster, Pa., assignor to Radio Corporation of America. Cathode ray tube. 2,409,514; Oct. 15.

Prendergast, Laurence: *See*—
Hagen, John A., Gregor, and Prendergast.

Pridonoff, Eric L., Alhambra, and A. J. Schneider, Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Producing nitrogen from internal-combustion engine exhaust gases. 2,409,386; Oct. 15.

Pull, Burnard T.: *See*—
Ward, George C., and Pull.

Pym, Arthur F.: *See*—
Cantley, Joseph C., and Pym.

Quigg, Murray T., assignee, et al., trustee: *See*—
Hopkins, Nevil M.

Radio Corporation of America, assignee: *See*—
Bahls, Walter E.
Carter, Philip S.
George, Ralph W.
Herold, Edward W.
Holst, Paul F. G., and Kirkwood.
Kilgore, George R.
Leverenz, Humboldt W.
Matson, Leslie E., Jr.
Perkins, Theodore B.
Pratt, George W.
Salzberg, Bernard.
Sanders, Royden C., Jr., Mercer, and Blitz.
Tolson, William A., and Meneley.
Usselman, George L.
Woll, Harry J.
Zworykin, Vladimir K., and Vance.

Ramage, Alexander S., assignor to A. A. F. Maxwell, Detroit, Mich., as trustee. Combination hydrocarbon dehydrogenation and hydrogenation process. 2,409,587; Oct. 15.

Rambold, Adolf, Dresden, Germany; vested in the Alien Property Custodian. Bag with insoluble automatic fold closing. 2,409,314; Oct. 15.

Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Control device. 2,409,387; Oct. 15.

Reed, Leland A., assignor to The Stromberg-Carlson Company, Rochester, N. Y. Telephone substation apparatus. 2,409,588; Oct. 15.

Rees, John P., Johannesburg, Transvaal, Union of South Africa. Conditioning the atmosphere in subterranean excavations. 2,409,388; Oct. 15.

Reeves, James B., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Current regulator. 2,409,312; Oct. 15.

Research Corporation, assignee: *See*—
Hedberg, Carl W. J.
Meston, Archibald F.

Rettaliata, John T.: *See*—
Allen, Robert C., and Rettaliata.

Rice, Edward E., trustee, assignee: *See*—
Johnson, Melvin M., Jr.

Richardson, Martin A., assignor to J. I. Case Company, Racine, Wis. Vehicle draw bar. 2,409,313; Oct. 15.

Rigby, George W.: *See*—
Hanford, William E., and Rigby.

Rigby, George W., and H. E. Schroeder, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluoracetamides and their preparation. 2,409,315; Oct. 15.

Ringham, Clarence R., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Alkylation process. 2,409,389; Oct. 15.

Rocheville, Harry D., Los Angeles, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Rivet removing device. 2,409,589; Oct. 15.

Roe, Herbert J.: *See*—
Wood, David H., and Roe.

Rogers, Allan B., Sr., Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Removable and collapsible seating fixture. 2,409,316; Oct. 15.

Rogers, Clifford R., Oak Park, W. O. Bechman, Chicago, and J. F. Ziskal, Cicero, Ill., assignors to International Harvester Company. Clutch control. 2,409,515; Oct. 15.

Rósa, Laszlo, Budapest VIII, and I. Zakariás, Budapest VII, Hungary; vested in the Alien Property Custodian. Apparatus for the recording of slow processes. 2,409,317; Oct. 15.

Rosenthal, William C., and C. A. Hubert, Chicago, Ill., assignors to International Harvester Company. Implement attaching device. 2,409,516; Oct. 15.

Ross, William E., Berkeley, and P. Pezzaglia, Oakland, assignor to Shell Development Company, San Francisco, Calif. Simultaneously isomerizing and separating cycloparaffins from acyclic paraffins by means of an aluminum halide-hydrocarbon complex. 2,409,390; Oct. 15.

Rost, Helge F., Djursholm, K. H. Thunell, Nockeby, S. D. Vigren, Stockholm, and P. H. E. Claesson, Jakobsberg, Sweden. Self-tracking radio direction and distance device. 2,409,448; Oct. 15.

Rubin, Irving G., assignee, et al.: *See*—
Banks, Joseph L. R.

Rumpel, Harvey H., assignor to Smith Engineering Works, Milwaukee, Wis. Support and actuating structure for gyratory crusher heads. 2,409,391; Oct. 15.

Russell, George L., assignor to Ex-Cell-O Corporation, Detroit, Mich. Work holding means. 2,409,590; Oct. 15.

Saco-Lowell Shops, assignee: *See*—
Cotchett, Louis M.

Saddington, Arthur W., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Manufacture of sodium sulphides. 2,409,392; Oct. 15.

Salzberg, Bernard, Washington, D. C., assignor to Radio Corporation of America. Electron discharge device and circuit. 2,409,591; Oct. 15.

Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillator. 2,409,224; Oct. 15.

Sandel, Emil J.: *See*—
Cox, George S., and Sandel.

Sanders, Royden C., Jr., and W. R. Mercer, Highstown, and D. Blitz, Princeton, N. J., assignors to Radio Corporation of America. Phase modulator. 2,409,449; Oct. 15.

Sardu, Anthony, Brooklyn, N. Y. Overcasting sewing machine. 2,409,592; Oct. 15.

Sassmanhausen, Lee C., Grosse Pointe Woods, Mich., assignor to Chrysler Corporation, Highland Park, Mich. Fluid coupling. 2,409,593; Oct. 15.

Schaffer, Leslie L., Vancouver, British Columbia, Canada. Fluid press. 2,409,393; Oct. 15.

Schaich, Wilbur A., Springfield, Mass. Gas system for firearms. 2,409,225; Oct. 15.

Schilling, J. L., Co., assignee: *See*—
Banks, Joseph L. R.

Schilling, Joseph L., assignee, et al.: *See*—
Banks, Joseph L. R.

Schlumbohm, Peter, New York, N. Y. Device for vacuum filtration. 2,409,226; Oct. 15.

Schmit, Louis D., Savanna, Ill. Valve construction. 2,409,517; Oct. 15.

Schnebelen, Paul A., Toledo, Ohio. Armature winder. 2,409,394; Oct. 15.

Schneider, Arthur J.: *See*—
Pridonoff, Eric L., and Schneider.

Schroeder, Herman E.: *See*—
Rigby, George W., and Schroeder.

Schwinn, Frank W., Chicago, Ill. Bicycle carrier. 2,409,395; Oct. 15.

Scott & Williams, Incorporated, assignee: *See*—
Page, Albert E. and F. R.

Sealand Corporation, The, assignee: *See*—
Kaul, Richard D.

Seiler, George, Chicago, Ill. Protective collar unit for refrigerating coils. 2,409,396; Oct. 15.

Selas Corporation of America, assignee: *See*—
Hess, Frederic O.

Sheehan, Edward F., and G. V. Hunt, Philadelphia, Pa. Safety cutoff for power operated hand tools. 2,409,397; Oct. 15.

Shell Development Company, assignee: *See*—
Ross, William E., and Pezzaglia.
Williams, Paul H.

Sherman, Louis H., Camden, N. J. Forming pedal appliances. 2,409,594; Oct. 15.

Sherman, Michael: *See*—
Ketay, Morris F., and Sherman.

Shield, Robert W., Chicago, Ill. Wringer. 2,409,595; Oct. 15.

Shockley, William, Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency electronic device. 2,409,227; Oct. 15.

Shoemaker, Robert C., assignor to Hyster Company, Portland, Oreg. Truck loader. 2,409,398; Oct. 15.

Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Grinding wheel spindle reciprocating mechanism. 2,409,450; Oct. 15.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Power lift. 2,409,228; Oct. 15.

Simpson, Thomas P., J. W. Payne, and L. P. Evans, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for reactions in a contact mass. 2,409,596; Oct. 15.

Singer Manufacturing Company, The, assignee: *See*—
Becker, Rudolph.

Sivyer, Benjamin E., Whitefish Bay, assignor to Chain Belt Company, Milwaukee, Wis. Conveyer flight. 2,409,318; Oct. 15.

Smith, Carl H., Jr., Arlington, Va., and M. L. Kuder, Washington, D. C. Selector circuit. 2,409,229; Oct. 15.

Smith, Charles C., Cranford, and D. V. Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated. Carrier structure. 2,409,518; Oct. 15.

Smith Engineering Works, assignee: *See*—
Rumpel, Harvey H.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Brooks, John W., O'Kelly, and Work.
Simpson, Thomas P., Payne, and Evans.

Solar Aircraft Company, assignee: *See*—
Conzelman, John E., Jr.

Solon, Alfred F., Oakland, Calif. Trailer hitch device. 2,409,399; Oct. 15.

Solvay Process Company, The, assignee: *See*—
Saddington, Arthur W.

Sonne, Frederick T., Golf, and V. Sussin, assignors to Chicago Aerial Survey Company, Chicago, Ill. Scanning camera. 2,409,597; Oct. 15.

Sound Scriber Corporation, The, assignee: *See*—
Thompson, Lincoln.

Speakman, John B., Far Headingley, Leeds, and N. H. Chamberlain, Headingley, Leeds, assignors to Cefoil Limited, Maidenhead, England. Production of fabrics from alginic materials. 2,409,319; Oct. 15.

Sperry Gyroscope Company, Inc., assignee: *See*—
Allison, Byron L., and Wong.
Braddon, Frederick D., and Kellogg.
Brown, Gordon S., and Forrester.

Sperry Products, Inc., assignee: *See*—
Drake, Harcourt C.
Haight, Norman L.

Spicacci, Attilio R., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Grinding of rollers. 2,409,320; Oct. 15.

Squibb, E. R., & Sons, assignee: *See*—
Bashour, Joseph T.
Lott, William A., and Van Winkle.

Standard Catalytic Company, assignee: *See*—
Peck, Edward B.

Standard Oil Company, assignee: *See*—
Arveson, Maurice H.
D'Ouville, Edmond L., and Evering.

Standard Oil Development Company, assignee: *See*—
Wright, Donald L., and Bohmer.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Swann, James S.

Stearns, Edison: *See*—
Armbruster, Frank, and Stearns.

Stephan, Ingo L., Delanco, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Cavity tuning device. 2,409,321; Oct. 15.

Steuerman, Marek, London, England. Air preheater for furnaces and the like. 2,409,451; Oct. 15.

Stone, Edmund J., New York, N. Y. Collapsible device. 2,409,452; Oct. 15.

Stromberg-Carlson Company, The, assignee: *See*—
Powell, Winfred T.
Reed, Leland A.

Stuck, Harold D., Andover, and W. W. Bolton, North Andover, assignors to John W. Bolton & Sons, Inc., Lawrence, Mass. Jordan engine lining. 2,409,453; Oct. 15.

Stuewe, Herbert A.: *See*—
Cannon, Edward J., and Stuewe.

Sudlow, Fred E., assignee: *See*—
Holsclaw, Neil.

Sun Chemical Corporation, assignee: *See*—
Lipton, Morris.

Superior Steel Corporation, assignee: *See*—
Egan, Francis A.

Sussin, Victor: *See*—
Sonne, Frederick T., and Sussin.

Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Coupler operating mechanism. 2,409,322; Oct. 15.

Swartzbaugh Manufacturing Company, The, assignee: *See*—
Baunach, Roy J.

Swazey, Edward S., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Portable play pen for children. 2,409,598; Oct. 15.

Tanner, Charles C., Widnes, England, assignor to Imperial Chemical Industries Limited. Sodium dispersion. 2,409,519; Oct. 15.

Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Suction cleaning apparatus. 2,409,230; Oct. 15.

Teletype Corporation, assignee: *See*—
Levin, Carl A., and Lorenz.

Telford, Andrew G., Aurora, Ill. Transfer device. 2,409,400; Oct. 15.

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Blade magazine. 2,409,401; Oct. 15.

Texas Company, The, assignee: *See*—
Atwell, Harold V.
Clarke, Louis A.
Keating, George H.
McCleary, Rush F.
Morris, John R., and McCleary.

Thomas, Albert G., Lynchburg, Va. Electronic device. 2,409,454; Oct. 15.

Thompson, Harry H., and D. V. Moore, assignors to Wingfoot Corporation, Akron, Ohio. Reclaiming. 2,409,402; Oct. 15.

Thompson, Lincoln, Cheshire, assignor to The Sound Scriber Corporation, New Haven, Conn. Two-amplifier recording and reproducing phonograph. 2,409,520; Oct. 15.

Thunell, Karl H.: *See*—
Rost, Helge F., Thunell, Vigren, and Glaesson.

Tiley, John W., assignor to Philco Corporation, Philadelphia, Pa. Coaxial line termination. 2,409,599; Oct. 15.

Tishler, Max, assignor to Merck & Co., Inc., Rahway, N. J. Tetraacetyl ribonic acid and making it. 2,409,455; Oct. 15.

Toledo Automatic Brush Machine Company, The, assignee: *See*—
Jobst, Conrad.

Tolson, William A., and C. A. Meneley, Princeton, N. J., assignors to Radio Corporation of America. Radiant energy locating system. 2,409,456; Oct. 15.

Torresen, Carel T., Santa Monica, assignor to North American Aviation, Inc., Inglewood, Calif. Aircraft power plant arrangement. 2,409,323; Oct. 15.

Trautner, Wagn, Hamilton, assignor to The K-D Lamp Company, Cincinnati, Ohio. Vehicle signal. 2,409,403; Oct. 15.

Trautschold, Reginald, Passaic, N. J., assignor to Curtiss-Wright Corporation. Roller arrangement for conducting electrical current. 2,409,600; Oct. 15.

Trimble Nurseryland Furniture, Inc., assignee: *See*—
Swazey, Edward S.

Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Shock absorbing gun mount. 2,409,404; Oct. 15.

Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft gun mount. 2,409,405; Oct. 15.

Trotter, John C., Burlington, Vt., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Safety control mechanism for power-operated ordnance. 2,409,406; Oct. 15.

Truesdell, Virginia M., Los Angeles, Calif. Body garment. 2,409,601; Oct. 15.

Tucker, Theodore C.: *See*—
Adams, Arben H., and Tucker.

Turenchalk, Harry: *See*—
Turenchalk, John and H.

Turenchalk, John and H., Yonkers, N. Y. Automatic lubricator for tailstock centers. 2,409,324; Oct. 15.

Turner, Arthur F., Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Reflecting element for polarized light. 2,409,407; Oct. 15.

Tweeddale, George W., Glendale, Calif. Dissolving sulphur from ores. 2,409,408; Oct. 15.

Union Oil Company of California, assignee: *See*—
Doumani, Thomas F., and Deery.

United Shoe Machinery Corporation, assignee: *See*—
Cantley, Joseph C., and Pym.
Courchene, Theodore P.

U. S. Industrials Chemicals, Inc., assignee: *See*—
Metzger, Floyd J.

United States Rubber Company, assignee: *See*—
Hurt, Victor H.

U. S. Slicing Machine Company, assignee: *See*—
Ahrndt, Arthur H.

Universal Oil Products Company, assignee: *See*—
Giuliani, Chester J., and Angell.
Mekler, Lev A.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wavelength modulation. 2,409,457; Oct. 15.

Vance, Arthur W.: *See*—
Zworykin, Vladimir K.

Vanderbilt, R. T., Company, Inc., assignee: *See*—
Alton, William H., and Hutchins.

Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of gaseous mixtures. 2,409,458; Oct. 15.

Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of air. 2,409,459; Oct. 15.

Van Voorhis, William G., assignor to The Jaeger Machine Company, Columbus, Ohio. Trench excavating machine. 2,409,334; Oct. 15.

Van Winkle, Raymond: *See*—
Lott, William A., and Van Winkle.

Vigren, Sten D.: *See*—
Rost, Helge F., Thunell, Vigren, and Glaesson.

Virginia Metal Industries, Inc., assignee: *See*—
Gardner, Daniel.

Vogt, Ralph A., Berkeley, Mich. Automobile wheel clamp. 2,409,602; Oct. 15.

Von Kessel, Glendra B., assignee: *See*—
Kessel, Johannes B.

Von Stackelberg, Yurgen Z., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Hydraulic brake system. 2,409,335; Oct. 15.

Waite, Philip M., Corry, Pa. Throttle control. 2,409,231; Oct. 15.

Waller, Thomas S.: *See*—
Croft, Cyril M., and Waller.

Ward, George C., and B. T. Pull, Cumberland, Md., assignors to Celanese Corporation of America. Inhibiting treatment. 2,409,325; Oct. 15.

Wargo, Stephen, Streator, Ill. Garbage can holder. 2,409,326; Oct. 15.

Waters, Daniel V.: *See*—
Smith, Charles C., and Waters.
Waters, Harry F., New York, N. Y. Manufacture of containers. 2,409,460; Oct. 15.
Webb, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Feeding mechanism for automatic firearms. 2,409,461; Oct. 15.
Welding Research, Inc., assignee: *See*—
Goldowski, Natacha.
Wesley, Edwin F., Chevy Chase, Md. Automatic mark clearing device. 2,409,232; Oct. 15.
Western Electric Company, Incorporated, assignee: *See*—
Gauthier, Marcel C.
Smith, Charles C., and Waters.
Westinghouse Electric Corporation, assignee: *See*—
Berneski, Anthony J.
Bietz, Edward.
Clark, Earl K.
Dunlop, James.
Kilgore, Lee A.
Taylor, Charles H.
Whiting Corporation, assignee: *See*—
Bock, George E.
Fisher, Ernest F.
Wiggins, Leonard A., Cuyahoga Falls, Ohio. Oxygen demand regulator. 2,409,327; Oct. 15.
Wilcoxon, Kenneth H., Cabin John, Md. Sweep wire passing device. 2,409,233; Oct. 15.
Will, Edward, and H. C. Bitter, West Hartford, assignors to The Parker Stamp Works, Inc., Hartford, Conn. Roll type die holder. 2,409,409; Oct. 15.
Wilder, Raymond S., Waltham, Mass. Illuminating unit for optical projectors. 2,409,328; Oct. 15.
Wiley, Ralph M., Midland, assignor to The Dow Chemical Company, Midland, Mich. Vinylidene chloride polymer extrusion. 2,409,521; Oct. 15.
Williams, Paul H., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Organic thiocyano compounds. 2,409,329; Oct. 15.
Wingfoot Corporation, assignee: *See*—
Thompson, Harry H., and Moore.
Zarth, Charles E.
Woll, Harry J., Indianapolis, Ind., assignor to Radio Corportation of America. Gas tube circuit. 2,409,522; Oct. 15.
Wong, Lan J.: *See*—
Allison, Byron L., and Wong.
Wood, David H., Barnt Green, and H. J. Roe, Knowle, England. Core making machine. 2,409,330; Oct. 15.
Wood, Frederick D., Jacksonville, Fla. Baby carrier. 2,409,331; Oct. 15.
Wood, Robert W., Princeton, N. J., assignor to Kaiser Fleetwings, Inc., Bristol, Pa. Method and apparatus for generating curves. 2,409,603; Oct. 15.
Woodruff, Howard C., Philadelphia, Pa. Resinous composition and producing the same. 2,409,332; Oct. 15.
Woodworth, N. A., Company, assignee: *See*—
Hohwart, Ernest F.
Work, Robert H.: *See*—
Brooks, John W., O'Kelly, and Work.
Wright, Donald L., Westfield, and C. W. Bohmer, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company. Lubricant and preparing same. 2,409,333; Oct. 15.
Young, David W., Roselle, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Chemical-resistant coating material. 2,409,336; Oct. 15.
Young, Leonard A., Detroit, Mich. Manufacturing safety razor blades. 2,409,604; Oct. 15.
Yuhas, Joseph, North Braddock, Pa. Cinder notch cooler clamp. 2,409,337; Oct. 15.
Zakarias, Imre: *See*—
Rosa, Laszlo, and Zakarias.
Zarth, Charles E., assignor to Wingfoot Corporation, Akron, Ohio. Bead lock ring and assembly. 2,409,410; Oct. 15.
Zedler, Arthur O., Yonkers, N. Y. Full display flag holder. 2,409,411; Oct. 15.
Ziskal, Joseph F.: *See*—
Rogers, Clifford R., Bechman, and Ziskal.
Zworykin, Vladimir K., Philadelphia, Pa., and A. W. Vance, Haddonfield, N. J., assignors to Radio Corporation of America. Radio gunfire control. 2,409,462; Oct. 15.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Braking system. H. Baade. Re. 22,802; Oct. 15.
Compensating means, Jacquard. J. Robinson. Re. 22,804; Oct. 15.
Cultivation of plants, Flame. P. C. McLemore. Re. 22,803; Oct. 15.
Fuse device. W. O. Schultz and A. W. Steinmayer. Re. 22,805; Oct. 15.

LIST OF DESIGN INVENTIONS

Ash tray. L. Lomasney. 145,739; Oct. 15.
Box, Ring. F. H. Lewis. 145,738; Oct. 15.
Brooch. A. Aquilino. 145,707–8; Oct. 15.
Brooch or similar article. A. Katz. 145,733; Oct. 15.
Brooch or similar article. W. B. Weinstock. 145,762; Oct. 15.
Camera. F. H. Owens. 145,744; Oct. 15.
Casing, Vacuum cleaner. G. W. Walker. 145,761; Oct. 15.
Clock or similar article. A. K. Simons. 145,757; Oct. 15.
Coat. J. Freedman. 145,717; Oct. 15.
Coat. H. Goldberg. 145,719–20; Oct. 15.
Compact. E. Foret and H. Graeter. 145,716; Oct. 15.
Desk unit, Combination. L. W. Kendrick. 145,734; Oct. 15.
Dish or similar article, Serving. J. Davis. 145,711; Oct. 15.
Doll and parachute, Combined. M. Hoyle. 145,732; Oct. 15.
Dress. C. D. Monica. 145,741; Oct. 15.
Dress. K. Rost. 145,750; Oct. 15.
Earring. F. Morrow. 145,742; Oct. 15.
Fabric. A. Y. Park. 145,745–9; Oct. 15.
Frame, Hand mirror. J. Casalino. 145,709; Oct. 15.
Holder or similar article, Soap cake. H. H. Gray. 145,729; Oct. 15.
Jacket. S. Etkin. 145,715; Oct. 15.
Jacket. Z. Golden. 145,721–8; Oct. 15.
Jar or similar article. J. L. Snyder, Jr. 145,758; Oct. 15.
Jewelry finding. H. Rubin. 145,751; Oct. 15.
Jewelry finding. C. Schrayysshuen. 145,752–5; Oct. 15.
Pin or similar article, Jewelry. F. Morrow. 145,743; Oct. 15.
Range. R. E. Kruck. 145,736; Oct. 15.
Robe or similar article. G. H. McLaughlin. 145,740; Oct. 15.
Shaker or similar article, Combined salt and pepper. F. R. Hale. 145,730; Oct. 15.
Shoe. J. J. Hickey. 145,731; Oct. 15.
Stand. E. D. Kissling. 145,735; Oct. 15.
Stand, Fabric testing display. H. W. Wilkinson, Jr. 145,763; Oct. 15.
Sweater. D. Engleman. 145,714; Oct. 15.
Sweater or similar article. D. Engleman. 145,712–13; Oct. 15.
Top for water coolers. E. A. Steele. 145,759; Oct. 15.
Toy animal. C. Steiner. 145,760; Oct. 15.
Toy animal, Stuffed puppet. M. Shrier. 145,756; Oct. 15.
Toy vehicle. R. F. Kuntz. 145,737; Oct. 15.
Tray. V. I. Zelov. 145,764; Oct. 15.
Tray, Portable bar. N. Bel Geddes. 145,718; Oct. 15.
Vending machine. A. R. Constantine and M. H. Boldt. 145,710; Oct. 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid and making it, Tetraacetyl ribonic. M. Tishler. 2,409,455; Oct. 15.
Acid fading inhibition. C. M. Croft and T. S. Waller. 2,409,257; Oct. 15.
Acid, Preparation of nicotinic. R. T. Dean and V. L. King. 2,409,345; Oct. 15.
Acid, Production of hydrocyanic. H. D. Green and P. R. Hendrixson. 2,409,429; Oct. 15.
Adhesive, Asphalt. L. Davis and A. J. Gauthier. 2,409,258; Oct. 15.
Adhesive tape dispenser. M. E. Lessin. 2,409,217; Oct. 17.
Adjusting mechanism, Power. C. W. Mott. 2,409,510; Oct. 15.
Adsorptive material, Revivifying. M. H. Arveson. 2,409,234; Oct. 15.
Aircraft propeller. P. Landrum. 2,409,438; Oct. 15.
Aircraft propulsion. M. L. Donnellan. 2,409,551; Oct. 15.
Airplane tire. A. A. Human. 2,409,355; Oct. 15.
Alkali halide screen, and manufacture. H. W. Leverenz. 2,409,606; Oct. 15.
Alkylation process. C. R. Ringham. 2,409,389; Oct. 15.
Aluminum alloys for heat treatment, Preparing. V. E. Peterson. 2,409,384; Oct. 15.
Aluminum, Cleaning. N. Goldowski. 2,409,271; Oct. 15.
Amines and making same, Unsaturated. M. S. Kharasch and C. F. Fuchs. 2,409,287; Oct. 15.
Anchoring for brushes, Tuft. C. Jobst. 2,409,490; Oct. 15.
Antenna, Microwave. A. C. Beck. 2,409,183; Oct. 15.
Apparatus for burners, Fluid supply. W. H. DeLancey. 2,409,477; Oct. 15.
Apparatus for contouring the ends of tubular stock. J. S. McGuire. 2,409,375; Oct. 15.
Apparatus for controlling superchargers. D. M. Borden. 2,409,533; Oct. 15.
Apparatus for die-forming sheet material. J. E. Conzelman, Jr. 2,409,254; Oct. 15.
Apparatus for the recording of slow processes. L. Rosa and I. Zakarias. 2,409,317; Oct. 15.
Apparatus for shrinking fabrics. F. Chatfield. 2,409,543; Oct. 15.
Apparatus for splicing rubberlike materials. C. W. Leguillon. 2,409,571; Oct. 15.
Apparatus for testing the brake on airplane ground wheels. G. E. Bock. 2,409,467; Oct. 15.
Armature winder. P. A. Schnebelen. 2,409,394; Oct. 15.
Attaching device, Implement. W. C. Rosenthal and C. A. Hubert. 2,409,516; Oct. 15.
Attenuator and divider circuits, High-frequency. R. G. Clapp. 2,409,474; Oct. 15.
Automobile wheel clamp. R. A. Vogt. 2,409,602; Oct. 15.
Baby carriage. F. D. Wood. 2,409,331; Oct. 15.
Backwater valve. S. Olson. 2,409,582; Oct. 15.
Bag with insoluble automatic fold closing. A. Rambold. 2,409,314; Oct. 15.
Balloons, Making. J. A. Hagen, E. L. Gregor, and L. Prendergast. 2,409,486; Oct. 15.
Band for exhaust manifold systems, Joint. R. I. Markey. 2,409,576; Oct. 15.
Bar: *See*—
Vehicle draw bar.
Bar or faller for gill-drawing machines, Gill. W. Holdsworth. 2,409,565; Oct. 15.
Bicycle carrier. F. W. Schwinn. 2,409,395; Oct. 15.
Bimetallic billets, Treatment of. F. A. Egan. 2,409,422; Oct. 15.
Binder for stationery sheets. H. Feldmann. 2,409,426; Oct. 15.
Blade magazine. N. Testi. 2,409,401; Oct. 15.
Blades, Manufacturing safety razor. L. A. Young. 2,409,604; Oct. 15.
Blanket securing mechanism, Printing cylinder. A. Braunworth. 2,409,536; Oct. 15.
Board: *See*—
Game board.
Bomb, Dual-purpose aerial. N. M. Hopkins. 2,409,282; Oct. 15.
Bomb sight and bomb-releasing device. A. E. Barili. 2,409,239; Oct. 15.
Booth, Grinding and polishing. E. F. Fisher. 2,409,479; Oct. 15.
Boring machine. A. J. McDonald. 2,409,578; Oct. 15.
Brake system, Hydraulic. Y. Z. von Stackelberg. 2,409,335; Oct. 15.
Brush, Rotary. R. O. Peterson. 2,409,309; Oct. 15.
Buoyant electric cable. H. L. Beede. 2,409,529; Oct. 15.
Burner: *See*—
Oil burner. Reinforced gas burner.
Burner and fuel flow control means. J. L. Breese. 2,409,470; Oct. 15.
Butadiene, Separation of. E. J. Cannon and H. A. Stuewe. 2,409,250; Oct. 15.
Butane isomerization. E. L. d'Ouville and B. L. Evering. 2,409,260; Oct. 15.
Cabinet: *See*—
Filing cabinet.
Cabinet combination, Shampoo. J. H. Bower. 2,409,187; Oct. 15.
Cable: *See*—
Bouyant electric cable. Thermoresponsive cable.
Electric cable.
Cages, Making roller. O. H. Banker. 2,409,236; Oct. 15.
Calcining apparatus. V. J. Azbe. 2,409,527; Oct. 15.
Calcining materials, Method and apparatus for. W. E. Hessman. 2,409,206; Oct. 15.
Calendar, Dial. N. L. Dootson. 2,409,347; Oct. 15.
Camera, Photographic. J. Bolsey. 2,409,605; Oct. 15.
Camera, Scanning. F. T. Sonne and V. Sussin. 2,409,597; Oct. 15.
Carriage: *See*—
Baby carriage. Bicycle carriage.
Carrier structure. C. C. Smith and D. V. Waters. 2,409,518; Oct. 15.
Catalyst manufacture. G. H. Keating. 2,409,494; Oct. 15.
Cathode ray tube. G. W. Pratt. 2,409,514; Oct. 15.
Centrifugal extractor. E. M. Borg. 2,409,341; Oct. 15.
Chart system, Color. E. Jacobson. 2,409,285; Oct. 15.
Check and draft control for stoves, Automatic. H. H. Fleer. 2,409,480; Oct. 15.
Chemical compounds and producing same. B. R. Harris. 2,409,275; Oct. 15.
Chemotherapeutic sulphanilamide derivatives. W. A. Lott and R. Van Winkle. 2,409,291; Oct. 15.
Chloroprene polymers, Plasticizing. A. R. Davis. 2,409,344; Oct. 15.
Cinder notch cooler clamp. J. Yuhas. 2,409,337; Oct. 15.
Circuit: *See*—
Gas tube circuit. Voltage doubler and timer circuit.
Selector circuit.
Clamp: *See*—
Automobile wheel clamp. Cinder notch cooler clamp
Clamping structure. S. J. Chris. 2,409,253; Oct. 15.
Classifier. G. D. Fenton. 2,409,265; Oct. 15.
Cleaning apparatus, Suction. C. H. Taylor. 2,409,230; Oct. 15.
Cleaning plant, Air. C. W. J. Hedberg. 2,409,563; Oct. 15.
Clearing device, Automatic mark. E. F. Wesley. 2,409,232; Oct. 15.
Clip: *See*—
Hair wave clip.
Closing device, Wound. R. Dow. 2,409,261; Oct. 15.
Closure, Watertight. V. H. Hurt. 2,409,489; Oct. 15.
Clothespin. E. M. Mosaly. 2,409,379; Oct. 15.
Clothing, Protective. C. W. Leguillon and C. P. Krupp. 2,409,367; Oct. 15.
Clutch: *See*—
Tuning device clutch.
Clutch control. C. R. Rogers, W. O. Bechman, and J. F. Ziskal. 2,409,515; Oct. 15.
Coating material, Chemical-resistant. D. W. Young. 2,409,336; Oct. 15.
Collapsible device. E. J. Stone. 2,409,452; Oct. 15.
Collapsible garment hanger. W. Gersohn. 2,409,269; Oct. 15.
Communication system, Facsimile. J. H. Homrighous. 2,409,488; Oct. 15.
Comparator. E. F. Hohwart. 2,409,280; Oct. 15.
Compositions comprising blown terpenic products and vinyl polymers and making. M. T. Harvey. 2,409,276; Oct. 15.
Conditioning the atmosphere in subterranean excavations. J. P. Rees. 2,409,388; Oct. 15.
Connector: *See*—
Electrical connector.
Constituents of air, Separation of the. C. C. Van Nuys. 2,409,459; Oct. 15.
Container: *See*—
First-aid container.
Container. T. S. Carswell. 2,409,252; Oct. 15.
Containers, Manufacture of. H. F. Waters. 2,409,460; Oct. 15.
Continuous process for effecting catalytic reactions. H. V. Atwell. 2,409,235; Oct. 15.
Control device. W. A. Ray. 2,409,387; Oct. 15.

Control system, Electrical. O. E. Bowlus. 2,409,534; Oct. 15.
Control system, Electrical. P. T. Nims and O. E. Bowlus. 2,409,581; Oct. 15.
Controller, Motor. C. P. Feldhausen. 2,409,264; Oct. 15.
Controlling device for gyroscopes, Erection. F. D. Braddon and S. Kellogg, 2nd. 2,409,188; Oct. 15.
Conveyer flight. B. E. Sivyer. 2,409,318; Oct. 15.
Conveyer or heater, Food. R. J. Baumach. 2,409,528; Oct. 15.
Core for cooling pipes, Compressible. J. I. Morrison. 2,409,304; Oct. 15.
Core making machine. D. H. Wood and H. J. Roe. 2,409,330; Oct. 15.
Counter, Geiger-Müller. A. S. Keston. 2,409,498; Oct. 15.
Countersink, Micrometer stop. W. E. Miller. 2,409,377; Oct. 15.
Coupling: *See*—
Fluid coupling. Hydraulic coupling.
Coupling. L. H. Pletcher. 2,409,385; Oct. 15.
Coupling for plastic tubes. J. L. Hudson. 2,409,283; Oct. 15.
Covering and making the same, Insulating. G. B. Brown. 2,409,249; Oct. 15.
Crimper, Blasting cap. A. Djidics. 2,409,549; Oct. 15.
Crutch. T. Lamb. 2,409,365; Oct. 15.
Current regulator. J. B. Reeves. 2,409,312; Oct. 15.
Cutoff for power operated hand tools, Safety. E. F. Sheehan and G. V. Hunt. 2,409,397; Oct. 15.
Cutting machine, Can. C. E. Miller and D. H. Parker. 2,409,301; Oct. 15.
Cycloparaffins from acyclic paraffins by an aluminum halide-hydrocarbon complex, Simultaneously isomerizing and separating. W. E. Ross and P. Pezzaglia. 2,409,390; Oct. 15.
D-tubocurarine chloride, Producing substantially pure. J. T. Bashour. 2,409,241; Oct. 15.
Damping for electrical machines. L. A. Kilgore. 2,409,213; Oct. 15.
Dessiccant. F. J. Ewing and R. A. Lovett. 2,409,263; Oct. 15.
Detector for tubing, Flaw. H. C. Drake. 2,409,554; Oct. 15.
Detector mechanism, Rail flaw. H. C. Drake. 2,409,553; Oct. 15.
Device for measuring impedances. P. S. Christaldi. 2,409,419; Oct. 15.
Device for oiling fliers. H. McC. Adams. 2,409,523; Oct. 15.
Device for removing particle deposits from gas purifying apparatus associated with gas generators. K. T. Källe. 2,409,211; Oct. 15.
Device for vacuum filtration. P. Schlumbohm. 2,409,226; Oct. 15.
Dienes, Preparation of conjugated. T. F. Doumani and R. Deery. 2,409,259; Oct. 15.
Dispenser: *See*—
Adhesive tape dispenser. Incense dispenser.
Domestic appliance. J. W. Jacobs. 2,409,434; Oct. 15.
Drapery mounting. D. R. Falkenberg. 2,409,425; Oct. 15.
Dressing mechanism. P. F. Barker, H. G. Hartman, C. T. Galloway, and B. M. Kunes. 2,409,240; Oct. 15.
Drier for decorated ware. D. G. Merrill. 2,409,298; Oct. 15.
Drilling device. R. W. Andreasson. 2,409,525; Oct. 15.
Drive mechanism. F. R. McFarland. 2,409,506; Oct. 15.
Dyes, Merocyanine. L. G. S. Brooker and H. W. J. Cressman. 2,409,189; Oct. 15.
Dynamoelectric machine. T. M. Linville. 2,409,503; Oct. 15.
Ear ornament. A. R. Lo Curto. 2,409,369; Oct. 15.
Electric cable. C. E. Bennett. 2,409,530; Oct. 15.
Electric switch. W. L. Butler. 2,409,472; Oct. 15.
Electric switch. H. K. Gandelot. 2,409,483; Oct. 15.
Electrical connector. L. W. Evans. 2409,200; Oct. 15.
Electrode, Composite. A. F. Meston. 2,409,579; Oct. 15.
Electrode for buoyant cables. C. E. Bennett. 2,409,531; Oct. 15.
Electrode for spot welding. M. Dobkowski. 2,409,550; Oct. 15.
Electron beam relay. A. E. Anderson. 2,409,179; Oct. 15.
Electron discharge device. W. E. Bahls. 2,409,466; Oct. 15.
Electron discharge device. C. S. Bull. 2,409,417; Oct. 15.
Electron discharge device. E. W. Herold. 2,409,485; Oct. 15.
Electron discharge device. J. A. Morton. 2,409,222; Oct. 15.
Electron discharge device. B. Salzberg. 2,409,591; Oct. 15.
Electron discharge device, Beam deflection. G. R. Kilgore. 2,409,499; Oct. 15.
Electronic device. A. G. Thomas. 2,409,454; Oct. 15.
Electronic ignition system. O. T. Francis. 2,409,202; Oct. 15.
Element for polarized light, Reflecting. A. F. Turner. 2,409,407; Oct. 15.
Elevator control system. J. Dunlop. 2,409,198–9; Oct. 15.
Emulsion. W. H. Alton and F. E. Hutchins. 2,409,338; Oct. 15.
End connection, Extended. T. J. Hollenkamp. 2,409,207; Oct. 15.
Engine: *See*—
Internal-combustion engine. Piston engine.
Engine work stand. G. E. Bock. 2,409,468; Oct. 15.
Excavating machine, Trench. W. G. Van Voorhis. 2,409,334; Oct. 15.
Exhibitor, Excessive speed. J. W. Bright. 2,409,537; Oct. 15.
Extractor: *See*—
Centrifugal extractor. Juice extractor.
Eyeshield, Collapsible type. D. P. Bernheim and M. M. Glasberg. 2,409,243; Oct. 15.
Fabric. F. G. Manson and J. J. Maskey. 2,409,370; Oct. 15.
Fabrics from alginic materials, Production of. J. B. Speakman and N. H. Chamberlain. 2,409,319; Oct. 15.
Fastener: *See*—
Push fastener.
Fastener for electric fence insulators, Adjustable. H. C. Johnson. 2,409,491; Oct. 15.
Fastening device. C. E. Annett, 2d, and M. Armstrong. 2,409,180; Oct. 15.
Feeder for balers. F. P. Dickow. 2,409,478; Oct. 15.
Feeding mechanism for automatic firearms. G. Webb. 2,409,461; Oct. 15.
Feeding mechanism for sewing machines, Work. R. Becker. 2,409,242; Oct. 15.
Feeding method and apparatus. M. F. Morgan. 2,409,378; Oct. 15.
Fibrous suspension, Straightening. S. E. E. Ahlfors. 2,409,524; Oct. 15.
Filing cabinet. J. W. Paxton. 2,409,308; Oct. 15.
Filter. R. W. George. 2,409,556; Oct. 15.
Filter. L. M. Hedges. 2,409,278; Oct. 15.
Firearm. M. M. Johnson, Jr. 2,409,568; Oct. 15.
Firearm, Automatic. J. C. Cantley and A. F. Pym. 2,409,251; Oct. 15.
Firearm, Automatic. M. M. Johnson, Jr. 2,409,569; Oct. 15.
Firearm bolt tool. J. M. Brown. 2,409,191; Oct. 15.
First-aid container. F. Armbruster and E. Stearns. 2,409,465; Oct. 15.
Fluid coupling. L. C. Sassmanhausen. 2,409,593; Oct. 15.
Fluid inlet-outlet device, particularly for clinical purposes. R. M. Curtis. 2,409,343; Oct. 15.
Fluid press. L. L. Schaffer. 2,409,393; Oct. 15.
Fluid streams, Controlling the cooling of convective. L. A. Mekler. 2,409,376; Oct. 15.
Fluoracetamides and their preparation. G. W. Rigby and H. E. Schroeder. 2,409,315; Oct. 15.
Food tendering machine. A. H. Ahrndt. 2,409,463; Oct. 15.
Frame structure. F. E. Lang. 2,409,366; Oct. 15.
Frame structure. A. V. Pedersen. 2,409,383; Oct. 15.
Fuel system. J. B. Black. 2,409,245; Oct. 15.
Full display flag holder. A. O. Zedler. 2,409,411; Oct. 15.
Furnace and firing apparatus, Industrial. J. M. Guthrie. 2,409,272; Oct. 15.
Furnace checkers and flues, Method and apparatus for cleaning. W. J. Montgomery. 2,409,442; Oct. 15.
Fuse, Bomb. R. L. Graumann. 2,409,205; Oct. 15.
Game. G. S. Cox and E. J. Sandel. 2,409,547; Oct. 15.
Game board. E. L. Jones. 2,409,493; Oct. 15.
Gameboard device. O. Mautner and M. K. Lebworth. 2,409,373; Oct. 15.
Game, Card. W. W. Peterman. 2,409,584; Oct. 15.
Garbage can holder. S. Wargo. 2,409,326; Oct. 15.
Garment, Body. V. M. Truesdell. 2,409,601; Oct. 15.
Garment lacing. B. F. Pease, Jr. 2,409,381; Oct. 15.
Gas deflector for internal-combustion engines, Exhaust. T. R. Kelley. 2,409,496; Oct. 15.
Gas system for firearms. W. A. Schaich. 2,409,225; Oct. 15.
Gas, Treatment of. R. D. Gunn. 2,409,558; Oct. 15.
Gas tube circuit. H. J. Woll. 2,409,522; Oct. 15.
Gaseous mixtures, Separation of the constituents of. C. C. Van Nuys. 2,409,458; Oct. 15.
Gasoline production, Aviation. E. B. Peck. 2,409,382; Oct. 15.
Generating curves, Method and apparatus for. R. W. Wood. 2,409,603; Oct. 15.
Generator construction. A. J. Berneski. 2,409,184; Oct. 15.
Glass forming machines, Driving means for. C. Eisler. 2,409,423; Oct. 15.
Glass hardening. G. W. Jackson. 2,409,284; Oct. 15.
Glass, Ultraviolet absorbing. W. H. Armistead, Jr. 2,409,412; Oct. 15.
Glycols, Production of. F. J. Metzger. 2,409,441; Oct. 15.
Goggle. C. F. Hutchings. 2,409,356; Oct. 15.
Granular materials, Handling. M. O. Glessner. 2,409,270; Oct. 15.
Grinder, Blade. F. E. Broberg. 2,409,416; Oct. 15.
Grinder, Portable surface. F. M. Bohler. 2,409,340; Oct. 15.
Grinder, Universal bench. A. B. Blomquist. 2,409,415; Oct. 15.
Grinding and polishing tool. A. Kratky. 2,409,363; Oct. 15.

Grinding of rollers. A. R. Spicacci. 2,409,320; Oct. 15.
Groove-forming attachment for machine tools. J. Messana, Jr. 2,409,299; Oct. 15.
Guiding device, Tool. R. W. Lipp. 2,409,290; Oct. 15.
Gun mount, Aircraft. J. C. Trotter. 2,409,405; Oct. 15.
Gun mount, Shock absorbing. J. C. Trotter. 2,409,404; Oct. 15.
Hair wave clip. R. C. David. 2,409,197; Oct. 15.
Hanger: *See*—
  Collapsible garment hanger. Safety interlocking clothes hanger.
Hearing aid and radio receiving set, Combined. T. B. Fordham and T. W. Moore. 2,409,481; Oct. 15.
Heat control. W. W. Muir. 2,409,305; Oct. 15.
Heater for hygienic uses, Controlled electric water. T. A. Mungo. 2,409,512; Oct. 15.
Heating apparatus. E. Bletz. 2,409,414; Oct. 15.
Heating appliance. E. K. Clark. 2,409,420; Oct. 15.
Heating work. F. O. Hess. 2,409,431; Oct. 15.
High-frequency transducer system. P. S. Carter. 2,409,542; Oct. 15.
Hitch device, Trailer. A. F. Solon. 2,409,399; Oct. 15.
Holder: *See*—
  Full display flag holder. Intravenous needle holder.
  Garbage can holder. Roll type die holder.
Holder for bottles. H. G. Jackson. 2,409,357; Oct. 15.
Holding means, Work. G. L. Russell. 2,409,590; Oct. 15.
Hopper construction. E. L. Hopping. 2,409,567; Oct. 15.
Hormone intermediates and preparation of same. R. E. Marker. 2,409,293; Oct. 15.
Hydraulic apparatus. V. V. Biasutta. 2,409,185; Oct. 15.
Hydraulic coupling. W. J. Crites. 2,409,256; Oct. 15.
Hydraulic system. A. H. Adams and T. S. Tucker. 2,409,175; Oct. 15.
Hydrocarbon dehydrogenation and hydrogenation process, Combination. A. S. Ramage. 2,409,587; Oct. 15.
Hydrocarbons, Alkylation of. L. A. Clarke. 2,409,544; Oct. 15.
Hydrocarbons, Conversion of. C. J. Giuliani and C. H. Angell. 2,409,353; Oct. 15.
Illuminating unit for optical projectors. R. S. Wilder. 2,409,328; Oct. 15.
Incense dispenser. M. Bravo. 2,409,469; Oct. 15.
Indicating mechanism. M. F. Ketay and M. Sherman. 2,409,435; Oct. 15.
Indicator: *See*—
  Weight and balance indicator.
Indicator for pipe lines, Flow. C. V. Greenleaf. 2,409,430; Oct. 15.
Inhibiting treatment. G. C. Ward and B. T. Pull. 2,409,325; Oct. 15.
Ink, Intaglio. E. D. Lee. 2,409,214; Oct. 15.
Ink, Printing. E. D. Lee. 2,409,215; Oct. 15.
Intermixing device. J. D. Ballard. 2,409,339; Oct. 15.
Internal-combustion engine. M. L. Forrest. 2,409,350; Oct. 15.
Intravenous needle holder. E. R. Hubbard. 2,409,432; Oct. 15.
Iron ores containing chromium and related oxides, Treating. D. Gardner. 2,409,428; Oct. 15.
Jet propulsion apparatus. R. C. Allen and J. T. Rettaliata. 2,409,177; Oct. 15.
Juice extractor. J. B. Kessel. 2,409,497; Oct. 15.
Knitting machine. A. E. and F. R. Page. 2,409,306; Oct. 15.
Ladder. V. M. Fowler. 2,409,266; Oct. 15.
Laminated lock. M. Falk. 2,409,424; Oct. 15.
Lasting machine. T. P. Courchene. 2,409,193–4; Oct. 15.
Lathe attachment. R. H. Andresen. 2,409,464; Oct. 15.
Launching device, Rocket. C. H. Jolly. 2,409,210; Oct. 15.
Lavatory and disinfection control. R. F. Bracke. 2,409,535; Oct. 15.
Lift, Power. W. H. Silver. 2,409,228; Oct. 15.
Lime and product thereof, Conditioning and treating. B. L. Corson. 2,409,546; Oct. 15.
Line termination, Coaxial. J. W. Tiley. 2,409,599; Oct. 15.
Lining, Jordan engine. H. D. Stuck and W. W. Bolton. 2,409,453; Oct. 15.
Loading and unloading machine. W. M. Patience and D. E. Kimball, 2d. 2,409,513; Oct. 15.
Locating system, Radiant energy. W. A. Tolson and C. A. Meneley. 2,409,456; Oct. 15.
Lock: *See*—
  Laminated lock.
Lock ring and assembly, Bead. C. E. Zarth. 2,409,410; Oct. 15.
Lubricant and preparing same. D. L. Wright and C. W. Bohmer, Jr. 2,409,333; Oct. 15.
Lubricant, Clock. J. D. Morgan and R. E. Lowe. 2,409,444; Oct. 15.
Lubricant, Instrument. J. D. Morgan and R. E. Lowe. 2,409,443; Oct. 15.
Lubricants. R. F. McCleary. 2,409,296; Oct. 15.
Lubricator for tailstock centers, Automatic. J. and H. Turenchalk. 2,409,324; Oct. 15.
Luminescent material and manufacture. H. W. Leverenz. 2,409,574; Oct. 15.
Machine for lifting and stacking receptacles. A. S. Millikin. 2,409,302; Oct. 15.
Machine for producing staple fibers from slivers composed of continuous fibers. W. Holdsworth. 2,409,566; Oct. 15.
Magnesium carbonate, Producing molded basic. A. R. McGarvey. 2,409,297; Oct. 15.
Manifold assembly. A. J. Eldred. 2,409,262; Oct. 15.
Material handling mechanism. W. R. Dickson. 2,409,346; Oct. 15.
Metal article, Porous. J. T. Marvin and R. P. Koehring. 2,409,295; Oct. 15.
Mounting: *See*—
  Drapery mounting.
Mounting means for gyroscopes. B. L. Allison and L. J. Wong. 2,409,178; Oct. 15.
Needle, Sewing machine. M. M. Newman. 2,409,445; Oct. 15.
Nitrogen from internal-combustion engine exhaust gases, Producing. E. L. Pridonoff and A. J. Schneider. 2,409,386; Oct. 15.
Nozzle, Multipart distribution. L. T. Mart. 2,409,371; Oct. 15.
Nut, Removable basket. J. E. Johnson. 2,409,209; Oct. 15.
Oil burner. J. A. Logan. 2,409,504; Oct. 15.
Oil, Lubricating. J. R. Morris and R. F. McCleary. 2,409,303; Oct. 15.
Operating mechanism, Coupler. J. S. Swann. 2,409,322; Oct. 15.
Optical instrument. H. F. Kurtz and R. G. Morrison. 2,409,364; Oct. 15.
Organic fluorine, Removal. M. P. Matuszak. 2,409,372; Oct. 15.
Organic thiocyano compounds. P. H. Williams. 2,409,329; Oct. 15.
Oscillator. A. L. Samuel. 2,409,224; Oct. 15.
Oscillator, Synchronized blocking. L. E. Matson, Jr. 2,409,577; Oct. 15.
Oxide, Stabilized cuprous. H. J. Becker. 2,409,413; Oct. 15.
Oxygen demand regulator. L. A. Wiggins. 2,409,327; Oct. 15.
Package. M. Kleinmann. 2,409,362; Oct. 15.
Pan, Refrigerator car drip. C. R. Hamilton, J. King, and J. D. Baker. 2,409,273; Oct. 15.
Parachute, Paper. D. B. Hastings. 2,409,562; Oct. 15.
Passage plug. C. L. Martin. 2,409,294; Oct. 15.
Pedal appliance, Forming. L. H. Sherman. 2,409,594; Oct. 15.
Pen for children, Portable play. E. S. Swazey. 2,409,598; Oct. 15.
Phase modulator. R. C. Sanders, Jr., W. R. Mercer, and D. Blitz. 2,409,449; Oct. 15.
Phonograph, Two-amplifier recording and reproducing. L. Thompson. 2,409,520; Oct. 15.
Picker, Stitch. I. H. Gearhart. 2,409,351; Oct. 15.
Pipe made from lead alloys, Extruded. W. T. Butcher and A. Lloyd. 2,409,540; Oct. 15.
Piston and cylinder construction, Hydraulic shock absorber. G. M. Magrum. 2,409,505; Oct. 15.
Piston engine. E. M. Badoux. 2,409,555; Oct. 15.
Plate, Glass electric hot. J. Bilan. 2,409,244; Oct. 15.
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Plug separator. C. A. Levin and O. A. Lorenz. 2,409,289; Oct. 15.
Pocket attachment for firemen's coats, Gas mask carrier. A. M. Grunwell. 2,409,354; Oct. 15.
Polychloropene, Plasticized. M. T. Harvey. 2,409,277; Oct. 15.
Polyfluoro organic ethers and their preparation. W. E. Hanford and G. W. Rigby. 2,409,274; Oct. 15.
Polymerization. J. W. Brooks, A. A. O'Kelly and R. H. Work. 2,409,248; Oct. 15.
Polymerization process. J. W. Brooks, A. A. O'Kelly and R. H. Work. 2,409,247; Oct. 15.
Polyvinyl acetal, Plasticized. M. O. Debacher. 2,409,548; Oct. 15.
Power plant, Airplane. V. H. Pavlecka and J. K. Northrop. 2,409,446; Oct. 15.
Power plant arrangement, Aircraft. C. T. Torresen. 2,409,323; Oct. 15.
Power plant, Wind. T. E. Law. 2,409,439; Oct. 15.
Power transmission. H. W. Gilfillan and E. L. Bailey. 2,409,557; Oct. 15.
Preheater for furnaces and the like, Air. M. Steuerman. 2,409,451; Oct. 15.
Press: *See*—
  Fluid press.
Press and conveyer means, Combined printing. M. Lipton. 2,409,368; Oct. 15.
Projectile. E. S. Patch and W. T. Moore. 2,409,307; Oct. 15.
Projectiles, Spotting. H. J. Nichols. 2,409,380; Oct. 15.
Propulsion device, Aircraft. M. L. Donnellan. 2,409,552; Oct. 15.
Protective means, Eye. W. J. Joyce. 2,409,286; Oct. 15.
Protein structures and their preparation, Shaped. E. T. Cline. 2,409,475; Oct. 15.
Puddling machine. W. J. Miller. 2,409,221; Oct. 15.
Push fastener. E. A. Miller. 2,409,508; Oct. 15.

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Radioactivity, Method and apparatus for direct recording of borehole. S. Krasnow and L. F. Curtiss. 2,409,436; Oct. 15.
Radio direction and distance device, Self-tracking. H. F. Rost, K. H. Thunell, S. D. Vigren, and P. H. E. Claesson. 2,409,448; Oct. 15.
Radio gunfire control. V. K. Zworykin and A. W. Vance. 2,409,462; Oct. 15.
Reactions in contact mass, Method and apparatus in. T. P. Simpson, J. W. Payne, and L. P. Evans. 2,409,596; Oct. 15.
Reclaiming. H. H. Thompson and D. V. Moore. 2,409,402; Oct. 15.
Recording apparatus, Automatic. J. J. Kaplan. 2,409,358; Oct. 15.
Refrigeration apparatus. A. Hiller. 2,409,279; Oct. 15.
Regulator: *See*—
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Reinforced gas burner. H. D. Dufault. 2,409,421; Oct. 15.
Relasting machine. A. Perri. 2,409,447; Oct. 15.
Release for rockable arms, Overload. C. W. Mott. 2,409,511; Oct. 15.
Remote control system. G. S. Brown and J. W. Forrester. 2,409,190; Oct. 15.
Resin, Refining. E. D. Lee. 2,409,216; Oct. 15.
Resinous composition and producing the same. H. C. Woodruff. 2,409,332; Oct. 15.
Rivet. R. H. Gill. 2,409,352; Oct. 15.
Rivet removing device. H. D. Rocheville. 2,409,589; Oct. 15.
Roll type die holder. E. Wild and H. C. Bitter. 2,409,409; Oct. 15.
Roller arrangement for conducting electrical current. R. Trautschold. 2,409,600; Oct. 15.
Rubber and rubber substitutes, Compounding material for. C. G. La Crosse. 2,409,437; Oct. 15.
Rug. L. M. Moseller. 2,409,580; Oct. 15.
Safety control, Mechanism for power operated ordnance. J. C. Trotter. 2,409,406; Oct. 15.
Safety interlocking clothes hanger. A. Brill and W. Kneissler. 2,409,538; Oct. 15.
Saw set. E. Platter. 2,409,311; Oct. 15.
Screen: *See*—
  Stationary concave screen.
Seal, Actuator. L. W. Leland. 2,409,288; Oct. 15.
Seal for electric lamps and similar devices. E. Kettlewell. 2,409,361; Oct. 15.
Seating fixture, Removable and collapsible. A. B. Rogers, Sr. 2,409,316; Oct. 15.
Selector circuit. C. H. Smith, Jr., and M. L. Kuder. 2,409,229; Oct. 15.
Selector device for sludge digestion tanks, Supernatant. W. M. Platt. 2,409,585; Oct. 15.
Separator: *See*—
  Plug separator.
Sewing machine, Overcasting. A. Sardu. 2,409,592; Oct. 15.
Shackle, Bomb releasing. R. I. Markey. 2,409,575; Oct. 15.
Shaft locking device. J. E. Gall. 2,409,204; Oct. 15.
Shell, Equilibrated rocket. Z. Fonberg. 2,409,427; Oct. 15.
Shock absorber, Hydraulic. N. S. Focht. 2,409,349; Oct. 15.
Shoe rack. S. Gerlich. 2,409,268; Oct. 15.
Shoe, Tire. G. A. Barker. 2,409,182; Oct. 15.
Signal: *See*—
  Vehicle signal.
Signaling system. P. F. G. Holst and L. R. Kirkwood. 2,409,208; Oct. 15.
Slitting device, Sheet. J. A. Gale. 2,409,203; Oct. 15.
Smoke-producing mixture. L. Finkelstein and H. B. Elkins. 2,409,201; Oct. 15.
Sodium dispersion. C. C. Tanner. 2,409,519; Oct. 15.
Sodium sulphides, Manufacture of. A. W. Saddington. 2,409,392; Oct. 15.
Solids with vapors, Contacting. G. D. Creelman and J. F. Crowther. 2,409,476; Oct. 15.
Sorting machine, Rivet. W. McClain. 2,409,440; Oct. 15.
Splint, Surgical. W. J. Crawford. 2,409,195; Oct. 15.
Spout, Filling. R. and H. Bentley. 2,409,532; Oct. 15.
Spring. A. S. Krotz. 2,409,500; Oct. 15.
Stand: *See*—
  Engine work stand.
Stand and service table, Convertible appliance. W. I. Evans. 2,409,348; Oct. 15.
Stationary concave screen. W. F. MacGregor. 2,409,292; Oct. 15.
Stave and making same, Bearing. T. L. Gatke. 2,409,267; Oct. 15.
Step-by-step follow-up and antihunt mechanism. G. S. Miles. 2,409,300; Oct. 15.
Step, Vehicle. A. B. Carmichael. 2,409,418; Oct. 15.
Stop means for free piston engines, Strain relieving and dephasing. F. M. Lewis. 2,409,218; Oct. 15.
Strap and power stick for looms, Lug. F. L. Furgal. 2,409,482; Oct. 15.
Structural member. F. Kautz. 2,409,212; Oct. 15.
Structure for electric lamps and similar devices, Seal. E. Kettlewell. 2,409,360; Oct. 15.
Structure for gyratory crusher heads, Support and actuating. H. H. Rumpel. 2,409,391; Oct. 15.
Substation apparatus, Telephone. L. A. Reed. 2,409,588; Oct. 15.
Sulphamic acid, Manufacture of. J. W. Leonard. 2,409,572; Oct. 15.
Sulphur from ores, Dissolving. G. W. Tweeddale. 2,409,408; Oct. 15.
Sump selector valve. J. F. Melichar and W. Margrave. 2,409,220; Oct. 15.
Sump selector valve. A. L. Parker. 2,409,223; Oct. 15.
Support for reinforced concrete structures, Rod. J. J. Cassidy. 2,409,342; Oct. 15.
Supporting apparatus. M. C. Gauthier. 2,409,484; Oct. 15.
Switch: *See*—
  Electric switch.
Table. C. F. Kelley. 2,409,495; Oct. 15.
Teeter-go-round. H. M. Hilger. 2,409,487; Oct. 15.
Telephone system, Automatic. W. T. Powell. 2,409,586; Oct. 15.
Telescope system. A. Bouwers. 2,409,186; Oct. 15.
Thermoresponsive cable. R. D. Kaul. 2,409,359; Oct. 15.
Throttle control. P. M. Waite. 2,409,231; Oct. 15.
Throttle, Duct. W. H. Hunter. 2,409,433; Oct. 15.
Tie rack. T. Kramer. 2,409,570; Oct. 15.
Tightening means, Chain. H. S. Ausherman. 2,409,526; Oct. 15.
Time sequencing control system, Thermal. B. W. Jones. 2,409,492; Oct. 15.
Timing device, Electronic. E. M. Callender. 2,409,473; Oct. 15.
Tonsorial device. N. Holsclaw. 2,409,281; Oct. 15.
Tool: *See*—
  Firearm bolt tool.
  Grinding and polishing tool.
Torque wrench. A. L. Cornwell. 2,409,545; Oct. 15.
Toy, Airplane. M. A. Brosselt. 2,409,471; Oct. 15.
Toy typewriter. J. L. Banks. 2,409,237; Oct. 15.
Track for self-laying track type vehicle. C. W. Leguillon and A. H. Krotz. 2,409,502; Oct. 15.
Tractor-mounted implement. C. W. Mott. 2,409,509; Oct. 15.
Trainer, Airplane flight. T. C. Barber. 2,409,238; Oct. 15.
Transfer device. A. G. Telford. 2,409,400; Oct. 15.
Transfer material. W. and F. Heinecke. 2,409,564; Oct. 15.
Transmission, Automatic turboplanetary. T. P. Cunningham. 2,409,196; Oct. 15.
Transmission control, Variable-speed. H. E. Carnagua. 2,409,541; Oct. 15.
Transmission mechanism, Fluid. D. F. McGill. 2,409,374; Oct. 15.
Transmitter, Data. N. L. Haight. 2,409,559–60; Oct. 15.
Tree, Shoe. A. F. Levaggi. 2,409,573; Oct. 15.
Truck, Airborne cargo. R. D. Bagley and J. E. Berman. 2,409,181; Oct. 15.
Truck loader. R. C. Shoemaker. 2,409,398; Oct. 15.
Tube: *See*—
  Cathode ray tube.
Tube expanding. C. A. Maxwell. 2,409,219; Oct. 15.
Tuning device, Cavity. I. L. Stephan. 2,409,321; Oct 15.
Tuning device clutch. A. A. Collins. 2,409,192; Oct. 15.
Turbine system, Gas. R. C. Allen. 2,409,176; Oct. 15.
Ultra high frequency electronic device. W. Shockley. 2,409,227; Oct. 15.
Unit for refrigerating coils, Protective collar. G. Seiler. 2,409,396; Oct. 15.
Valve: *See*—
  Backwater valve. Sump selector valve.
Valve construction. L. D. Schmit. 2,409,517; Oct. 15.
Valve for jet, Automatic control. T. S. Harris. 2,409,561; Oct. 15.
Vehicle draw bar. M. A. Richardson. 2,409,313; Oct. 15.
Vehicle signal. W. Trautner. 2,409,403; Oct. 15.
Vehicle suspension. A. S. Krotz. 2,409,501; Oct. 15.
Vinylidene chloride polymer extrusion. R. M. Wiley. 2,409,521; Oct. 15.
Voltage doubler and timer circuit. T. B. Perkins. 2,409,583; Oct. 15.
Wavelength modulation. G. L. Usselman. 2,409,457; Oct. 15.
Weight and balance indicator. P. A. Piper. 2,409,310; Oct. 15.
Weighting apparatus for textile drafting mechanisms. L. M. Cotchett. 2,409,255; Oct. 15.
Wheel attachment, Tractor. C. A. Breeze. 2,409,246; Oct. 15.
Wheel spindle reciprocating mechanism, Grinding. H. A. Silven. 2,409,450; Oct. 15.
Wheel unit, Automatic dirigible tandem. D. Mettetal, Jr. 2,409,507; Oct. 15.
Wire and cable, Insulated. G. W. Brown. 2,409,539; Oct. 15.
Wire passing device, Sweep. K. H. Wilcoxon. 2,409,233; Oct. 15.
Wrench: *See*—
  Torque wrench.
Wringer. R. W. Shield. 2,409,595; Oct. 15.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 15, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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U. S. GOVERNMENT PRINTING OFFICE: 1946

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 591—No. 4 TUESDAY, OCTOBER 22, 1946 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

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Trade-Marks	150	No. 424,689 to No. 424,838,	inclusive.
T. M. Renewals	97		
Plant Patents	1	No. 713	
Patents	392	No. 2,409,607 to No. 2,409,998,	inclusive.
Designs	65	No. 145,765 to No. 145,829,	inclusive.
Total	705		

Disclaimers

2,219,050.—*Louis A. Mikeska,* Roselle, N. J. Wetting Agent and Detergent Aid. Patent dated Oct. 22, 1940. Disclaimer filed Sept. 18, 1946, by the assignee, *Standard Oil Development Company.*

Hereby enters this disclaimer to claim 1.

2,328,825.—*George F. McMahon,* Chicago, Ill. Arc-Extinguishing Means. Patent dated Sept. 7, 1943. Disclaimer filed Sept. 19, 1946, by the assignee, *Schweitzer & Conrad, Inc.*

Hereby enters this disclaimer to claims 11, 22, and 23 of said patent.

Notices of Cancellation

U. S. Patent Office, *Richmond, Va., Oct. 2, 1946.*

Percival E. Falkingham, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of The Procter & Gamble Company, Sixth and Main Streets, Cincinnati, Ohio, to effect the cancellation of trade-mark registration of Percival E. Falkingham, No. 267,841, dated March 4, 1930. The assignment records of this Office show a transfer of title to this registration to Evenod Perfumer, Inc., a corporation of New York, which has been substituted for said Falkingham to defend the registration concerned. The Patent Office having been unable to obtain service upon the said Evenod Perfumer, Inc., notice is hereby given that unless the assigns, legal representatives, or other person claiming an interest in the registration shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Richmond, Va., Oct. 2, 1946.*

Cameo Costume and Dress Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by May McEwen Kaiser Company, Incorporated, South Main Street, Burlington, N. C., to effect the cancellation of trade-mark registration of Cameo Costume and Dress Company, 247–263 West 37th Street, New York, N. Y., No. 274,163, dated August 19, 1930, and the notice of such proceeding sent by registered mail to the said Cameo Costume and Dress Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Cameo Costume and Dress Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Richmond, Va., Oct. 2, 1946.*

Charles L. R. Russell, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Pennsylvania Salt Manufacturing Co., 1000 Widener Building, Philadelphia 7, Pa., to effect the cancellation of trade-mark registration of Charles L. R. Russell, 201 Cook Street, Brooklyn, N. Y., No. 285,029, dated July 14, 1931, and the notice of such proceeding sent by registered mail to the said Russell at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Russell, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Richmond, Va., October 2, 1946.*

Eye Shade Corporation of America, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Charles H. Foster, 550 Fifth Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Eye Shade Corporation of America, 3746 Prospect Avenue, Cleveland, Ohio, No. 373,558, dated December 12, 1939, and the notice of such proceeding sent by registered mail to the said Eye Shade Corporation of America at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Eye Shade of America, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business October 4, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 125,106; Trade-Mark Division, 10,525. Oldest new case, February 28, 1945; older amended, April 16, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 29	July 16	2289
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 18	June 18	2934
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	June 9	July 3	1961
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Aug. 30	Aug. 24	2335
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 10	3509
6. GENIESSE, E. W., Carbon Chemistry (part)	Oct. 22	Nov. 10	1735
7. HANLIN, GEORGE, Optics, Photography	June 30	Nov. 8	1949
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 7	July 30	3099
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 30	May 5	2131
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	July 27	July 27	1485
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Feb. 11	Mar. 2	662
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 7	June 23	2443
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 13	June 28	1964
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Oct. 11	Sept. 21	1382
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Sept. 20	Sept. 7	1188
16. LOVEWELL, N. N., Telegraphy; Telephony	Sept. 27	Sept. 11	1203
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 21	Apr. 21	1080
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 29	July 6	1752
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Oct. 25	Oct. 20	1518
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 27	June 28	1756
21. THOMPSON, T. J., Textiles	Feb. 1	Jan. 19	734
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 18	1839
23. LEWIS, J. B., Cash Registers; Calculators (part)	Aug. 1	Aug. 6	227
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Jan. 15	Feb. 5	1095
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	July 21	Sept. 1	1433
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 13	June 19	1825
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	June 13	June 22	1935
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	May 24	May 15	1399
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	July 21	June 30	2022
30. HISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 14	July 19	2268
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Mar. 19	Mar. 19	914
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Sept. 7	Sept. 21	1920
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	July 27	July 25	2810
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 31	Oct. 2	1133
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 27	Sept. 27	1805
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1553
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 29	May 29	1298
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Aug. 30	Sept. 19	1251
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 14	May 14	2318
40. DRUMMOND, E. J., Receptacles (part); Packages	Aug. 10	Oct. 4	2272
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 9	June 7	820
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Sept. 27	Oct. 9	976
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 13	July 2	1217
44. HARVEY, L. P., Refrigeration; Preserving	May 4	June 20	1124
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part) Spring, Weight and Horsepower Motors.	July 17	July 18	2358
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 11	Sept. 4	1391
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 18	Oct. 1	2485
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Apr. 11	Apr. 16	1892
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 7	Aug. 23	1512
50. LEVIN, SAMUEL, Synthetic Resins	Oct. 2	Oct. 2	2202
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	June 20	June 28	2189
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 4	July 13	3082
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 24	May 17	3126
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	June 7	June 5	2065
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 13	Sept. 5	1585
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Aug. 11	Aug. 17	1447
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Feb. 28	June 11	2662
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 22	Dec. 5	1174
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 4	May 28	2019
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Sept. 4	1782
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	June 7	June 21	2477
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 16	May 10	3321
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	July 23	June 7	1914
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Mar. 7	Mar. 7	935
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 21	June 23	2338
TRADE-MARKS: RICHMOND, F. A.	Dec. 26	†May 21	10525
DESIGNS: KALUPY, H. H.	Dec. 4	†July 12	6587

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Cowles

No. 5,200. Decided June 27, 1946

[— F.(2d) —; 70 USPQ 419]

1. Appeal—Rule 139.

Upon consideration of rule 139 and the decision of the Board of Appeals, *Held* that "it would seem clear that if the Board had applied a new ground of rejection it would be its duty, in compliance with the rule, to remand the case to the Examiner, unless this provision was waived by the applicant."

2. Same—Same.

"We are of the opinion that the Board's ground of rejection is not a new one and that its affirmance of the decision of the Examiner and its consideration of the references cited by the Examiner, although using different language in its decision, fully shows why the appealed claims define nothing inventive over the prior art relied upon by both tribunals. No new art was cited."

3. Patentability—Apparatus for Disseminating Materials in Liquids.

Certain claims to apparatus for disseminating materials in liquids *Held* unpatentable over the prior art.

Appeal from the Patent Office. Affirmed.

Messrs. Emery, Varney, Whittemore & Dix (*Mr. Nichol M. Sandoe* of counsel) for Cowles.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

Garrett, *P. J.*:

After allowing claims 1, 2, 3, and 6 of appellant's application for a patent on "Apparatus for Disseminating Materials in Liquids," the Primary Examiner of the United States Patent Office rejected claims 4, 5, 7 and 8. Upon appeal to the Board of Appeals, the Examiner's decision was affirmed and appellant has here appealed from the Board's decision.

Appellant's application states:

This invention relates to apparatus for disseminating or dispersing solids, gases or liquids in liquids. For example, the apparatus may be used for disintegrating, dispersing and maintaining in suspension divisible insoluble solids, and for breaking up and putting into solution solids which are soluble. The apparatus may also be used for disseminating gases in liquids, and for disseminating one liquid in another liquid. Such machines are adapted for a wide range of uses, as for example, for the treatment of paper stock, for defiberizing, for dissolving, for paint mixing, for the preparation of emulsions, etc.

Claim 4 is illustrative of the appealed subject matter and reads:

4. Apparatus of the class described, comprising, a casing, a shaft extending into said casing, said shaft carrying a plurality of impellers mounted for rotation in said casing and submerged in the liquid contents of the container, each of said impellers comprising an imperforate disk having a multiplicity of vanes projecting upwardly from the upper surface of said disk and projecting downwardly from the lower surface thereof and adapted to discharge material radially outwardly therefrom, and said casing being provided with openings at opposite ends of said casing through which material may be introduced into one end and withdrawn from the other end of said casing, said material being subjected to successive action by successive sets of upwardly and downwardly projecting vanes on said impellers while passing from one opening to the other, said impellers being spaced along said shaft to permit such radially discharged material to return between the opposed faces of said disks to points axially inward of said vanes for redischarge thereby.

The references relied upon are: Foret, 1,208,534, Dec. 12, 1916; Johnson, 1,768,957, July 1, 1930; Preleuthner, 1,819,118, Aug. 18, 1931; Brumagim, 2,235,604, Mar. 18, 1941; Seyfried, 2,270,480, Jan. 20, 1942.

The rejection of the appealed claims by the Examiner was upon the patent to Foret in view of either Preleuthner or Seyfried taken separately. The Examiner pointed out that the Foret patent shows an upright cylindrical casing which, like appellant's has an inlet at the top and an outlet at the bottom and has a rotatable shaft suspended from the top of the casing and has impellers spaced along the shaft.

The patent to Johnson, for mixing or emulsifying apparatus, shows the appellant's arrangement by which liquid is discharged radially from rotary impellers.

The patent to Preleuthner was cited by the Examiner to show it was old to provide vanes on the surfaces of a rotary impeller. It was the view of the Examiner that Preleuthner's vanes would cause substantially the same circulation of liquid as does the appellant's device.

The patent to Brumagim also shows appellant's arrangement by which liquid is discharged radially from rotary impellers.

The Seyfried patent shows a drink mixer agitator of the usual variety frequently seen at soda fountains in which the glass or cup or container in which the ice cream and milk or other mixed liquids and solids are placed is so adjusted as to cause the shaft containing blades to circulate inside the cup in substantially the same manner as appellant's impellers operate. These impellers or discs have surfaces which are described as being "alternately symmetrically concave and convex in concentric paths." These would seem to be the equivalent, certainly in effect upon the mixture, of appellant's impellers. This fact appellant denies.

The decision of the Board of Appeals was a rather unusual one and has drawn forth much comment and criticism from the appellant. We quote most of the decision:

Applicant contends that Foret is for an entirely different purpose than applicant's apparatus. Foret treats juice with sulphur dioxide and applicant's specification indicates that his apparatus is for disseminating gases in liquids. The claims state no particular type of apparatus or its intended use. Thus, it will be seen that Foret's apparatus is not for an entirely different purpose as alleged in the brief.

The claims indicate that the impellers are submerged in the liquid contents, which contents are not part of the apparatus.

However, Foret does not disclose the discharge vanes and we find no suggestion in Foret that they be provided.

Seyfried's vanes project upwardly and downwardly but Seyfried relates to an agitator for drink mixers and we see nothing suggestive in Seyfried for the modification of Foret, as contended by the Examiner.

Preleuthner shows a mixer with the ribs on an impeller, but not a plurality of impellers or such a spaced plurality as stated in the claims.

The contention is made that Seyfried shows the axial spacing of the impellers. Even so, Seyfried does not disclose the impeller diameters as related to the casing, or the casing with openings at opposite ends.

Johnson and Brumagim are cited to show the axial impeller displacement and circulation.

It is probable that the Examiner has not combined or used the references properly in making the rejection. As

we view the matter applicant's claims state little if any advance in the art over Seyfried.

The casing or cup conventionally used with an apparatus of the Seyfried type is of such a diameter that claims 5 and 8 are fully met by this reference and while the casing used normally with the Seyfried mixer would not have openings at opposite ends, this is only a mechanical expedient as shown by Foret to make possible a continuous mixing operation. This is stated in claims 4 and 7 which also indicate the axial spacing of the impellers shown by Seyfried, the effect of the spacing being indicated in Brumagim and Johnson.

The decision of the Examiner is affirmed.

It will be noted that the Board holds that the claims "state little if any advance in the art over Seyfried." The Board also stated, "It is probable that the Examiner has not combined or used the references properly in making the rejection," and it seems that the Board did not view the Foret reference as being as pertinent as did the Examiner, and, in effect, held that the claims should be rejected on Seyfried alone. The Board said the Foret patent "does not disclose the discharge vanes and we find no suggestion in Foret that they be provided." In conclusion, however, the Board stated, "The decision of the Examiner is affirmed."

The applicant filed a petition to vacate the Board's decision and requested the Board to write a new and clarified decision reversing the decision of the Examiner on the point on which appeal had been taken and further requested that the application be remanded to the Primary Examiner for further consideration under rule 139 of the Rules of Practice of the United States Patent Office.

Appellant complained about the Board's holding that the casing or cup conventionally used with an apparatus of the Seyfried type "is of such a diameter that claims 5 and 8 are fully met by this reference." Appellant regards the mentioning of the casing or cup as a new ground of rejection and argues that applying the Seyfried reference first and the other references second and in effect rejecting on Seyfried alone also would be new grounds of rejection and that the rules require the Board to pass only upon the points presented in the appeal. Appellant complains here about the Board's violating rules 139 and 66 and 76, rule 66 being with reference to facts within the personal knowledge of an employee of the Patent Office.

The Board's ruling on the petition to vacate is as follows:

Petitioner argues that we rejected the claims on entirely different grounds than did the Examiner. The Examiner rejected the claims on Foret in view of Seyfried. We rejected claims 4 and 7 on Seyfried in view of Foret. We do not regard this rejection as on a ground not involved in the appeal as stated in rule 139.

We rejected claims 5 and 8 as stating no patentable invention over Seyfried alone and we regard this rejection as "involved in the appeal."

The affirmance of the Examiner's rejection is generally in line with the Examiner's holdings and we had no intention of indicating that the case should be reopened for amendment.

Appellant states that he is not aware of any conventional cup that comes within the diameter limitations of the appealed claims. There are no such limitations in claims 4 and 7 so that the diameter is only a matter of choice and the same is true of the diameter of the disc.

We see no reason for vacating our decision which is clear enough nor do we believe the application should be remanded to the Examiner or that our decision should so remand the case.

The petition to vacate the decision • • • is denied.

Appellant filed two sets of reasons of appeal in this court. The first set related to the Board's first decision. Appellant's "Amended Notice of Appeal" added additional reasons in which it was alleged that the Board erred in its second decision in refusing to remand the case to the Examiner for further consideration under the provisions of rule 139.

We think the decision of the Board, while inartfully worded, properly affirmed the decision of the Examiner. It seems clear to us that the appealed claims define nothing inventive over the cited art and it is a matter of little consequence, we think, to consider the Foret patent less pertinent than Seyfried. See *In re Mulligan*, 23 C. C. P. A. (Patents) 1220, 83 F.(2d) 917, 30 USPQ 17, 473 O. G. 233.

It seems that appellant is attempting to make a mountain out of a mole-hill by arguing at great length in two briefs to the effect that we should do something about the failure of the Board to remand the case back to the Examiner. The Solicitor for the Patent Office argues that the question which appellant seeks to present here is one of "mere practice" of the Patent Office and that it was the privilege of the appellant, if he so desired, to invoke the jurisdiction of the Commissioner on a point of practice and that he is not entitled to present the question of violation of rule 139 to this court. On this phase of the case the Solicitor cites *Sundback* v. *Blair and Perrault*, 18 C. C. P. A. (Patents) 1016, 47 F(2d) 378, 8 USPQ 220, 408 O. G. 290; *In re Britton*, 28 C. C. P. A. (Patents) 726, 115 F.(2d) 249, 47 USPQ 265, 523 O. G. 3; and *In re Austin*, 17 C. C. P. A. (Patents) 1202, 40 F.(2d) 756, 5 USPQ 285, 399 O. G. 625. *Ex parte King*, 1928 C. D. 1, 366 O. G. 3, is cited by the Solicitor as being a Patent Office example of the Commissioner having given consideration to such a petition.

Appellant argues in his reply brief, in effect, that the issues he seeks to present here are not mere practice.

In view of our conclusion that the Board did not cite any new grounds of rejection, it is unnecessary for us to make any holding on the question of remanding the case to the Examiner.

Rule 139 provides that the "Board of Appeals" in its decision, shall affirm or reverse the decision of the Primary Examiner only on the points on which appeal shall have been taken," and further states, "Should it discover any apparent grounds not involved in the appeal for granting or refusing Letters Patent in the form claimed, or in any other form, it shall include in its decision a statement to that effect with its reasons for so holding." It also provides that the statement of the Board, if adverse to applicant's right to a patent, where new grounds of rejection are given, will reopen the case "for amendment or showing of facts, or both, before the Primary Examiner responsive thereto." The applicant may waive the right to further prosecution before the Primary Examiner and have the case reconsidered by the Board upon the same record.

[1][2] It would seem clear that if the Board had applied a new ground of rejection it would be its duty, in compliance with the rule, to remand the case to the Examiner, unless this provision was waived by the applicant. In a case of this character it would be a miscarriage of justice to refuse to do so, but as we view the present issue it is not necessary for us to determine whether or not the Board's failure to do so would be a proper matter for us to consider, because, as before stated, we are of the opinion that the Board's ground of rejection is not a new one and that its affirmance of the decision of the Examiner and its consideration of the references cited by the Examiner, although using different language in its decision, fully shows why the appealed claims define nothing inventive over the prior art relied upon by both tribunals. No new art was cited.

Appellant states that it asked the Board, under rule 66, for specific data as to the nature of the cup or casing relied upon and requested that the reference be supported by affidavits and asked for an opportunity to file reply affidavits in accordance with rule 76. There is no reason of appeal in either the first or second set of reasons of appeals filed against the decisions of the Board which alleges error in failing to furnish the affidavit called for and we do not here hold or intimate whether or not this is a proper matter for us to consider if a reason of appeal relating thereto had been submitted.

[3] We think the Examiner's holding that the claims were all unpatentable over the patent to Foret in view of either of the references cited was sound, and we think the decision of the Board, although handling the references in a somewhat different manner, affirmed, and intended to affirm, the holding of the Examiner. It is our view that appellant's device, as defined by the appealed claims, involves nothing that is inventive over the cited prior art, and the decision of the Board affirming that of the Examiner is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,824,986, H. A. Eggerss, Container, filed Aug. 28, 1946, D. C., S. D. Ohio, W. Div., Doc. 1578, *Continental Can Co., Inc.*, v. *Emery Carpenter Container Co.*

1,830,751, 1,830,752, 1,891,221, W. V. Cornett, Pavement breaking machine; 1,891,222, same, Tool for demolition machine, D. C., S. D. Calif., C. Div., Doc. 5451, *Rapid Pavement Breaker Corp. et al* v. *W. D. Crook et al.* On Aug. 2, 1946, Patent 1,830,752 was omitted from the complaint. Consent judgment holding the other patents valid and infringed, injunction Aug. 26, 1946.

1,830,752. (See 1,830,751.)

1,850,972, Tracy & Kintzele, Selecting and actuating mechanism; 2,288,666, F. Adam, Jail locking device and the like, C. C. A., 8th Cir., Doc. 13410, *F. Adam* v. *Pauly Jail Building Co.* Judgment: Appeal dismissed on stipulation Sept. 7, 1946.

1,891,221. (See 1,830,751.) 1,891,222. (See 1,830,751.)

1,962,983, H. B. Cooley, Cup making machine, D. C. N. J., Doc. 403, *G. Bohlman* v. *American Paper Goods Co.* Judgment of dismissal Sept. 16, 1946.

2,029,491, W. G. Lane, Gun-type formation tester; 2,092,337, L. Spencer, Formation testing apparatus, filed Apr. 10, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5295WM, *M. O. Johnston Oil Field Service Corp.* v. *Lane Wells Co.*

2,034,400, E. G. Kesling, Gear shifting mechanism, appeal filed July 23, 1946, C. C. A., 8th Cir., Doc. 13402, *General Motors Corp.* v. *E. G. Kesling.*

2,092,337. (See 2,029,491.)

2,257,072, D. L. Coombs, Colonic irrigator, filed Sept. 6, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5737BH, *D. L. Coombs* v. *O. G. Wright.*

2,278,074, G. F. Hauf, Flexible pipe joint, filed Aug. 27, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1486, *Chicago Metal Mfg. Co.* v. *National Metal Fabricators et al.*

2,278,336, 2,278,337, B. A. Tetzlaff, Clamp, D. C., N. D. Ill., E. Div., Doc. 45c903, *W. M. Siesel* v. *B. A. Tetzlaff et al.* Cause dismissed by stipulation Aug. 5, 1946.

2,278,337. (See 2,278,336.) 2,288,666. (See 1,850,972.)

2,324,241, A. O. Schoeninger, Basket weave bracelet, filed Sept. 6, 1946, D. C., S. D. N. Y., Doc. 37/611, *Forstner Chain Corp.* v. *Ardito Bros.*

2,324,526, M. R. Morgenthaler, Process for the manufacture of soluble dry extracts, filed Aug. 22, 1946, D. C., S. D. N. Y., Doc. 37/461, *Inredeco, Inc.*, v. *Sol Cafe Mfg. Corp.* Doc. 37/463, *Inredeco, Inc.*, v. *General Foods Corp.*

2,335,678. (See Re. 22,624.)

2,370,270, Trittin & Orlando, Arrow head, filed Apr. 4, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5277WM, *J. C. Trittin et al.* v. *King-Moore Leather Co.*

2,397,229, L. J. Biro, Writing instrument, filed Apr. 9, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5294WM, *Eversharp, Inc., et al.* v. *Kimberley Corp. et al.*

Re. 20,693, J. M. Kisselle, Sharp freezing container, filed Sept. 5, 1946, D. C., E. D. Mich., S. Div., Doc. 5928, *Copeman Laboratories Co.* v. *General Motors Corp.*

Re. 20,818, P. H. Smyth, Jr., Selective phonographic playing machine, filed Aug. 30, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1503, *Rock-Ola Mfg. Corp.* v. *Batavia Metal Products Co. et al.*

Re. 22,624, J. S. Johnson, Floor furnace, filed Sept. 5, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5730WM, *H. C. Barnes, Inc.*, v. *Holly Heating & Mfg. Co.*

T. M. 50,081, Victor Talking Machine Co., Records for talking machines; T. M. 50,082, same, Talking machines and parts thereof; T. M. 195,825, same, Radio apparatus, parts, etc.; T. M. 385,751, R. C. A. Mfg. Co., Inc., Phonographs, parts thereof, etc., D. C., N. D. Ill., E. Div., Doc. 46c1458, *R. C. A.* v. *Galter Mfg. Co.* Judgment granting injunction Aug. 23, 1946.

T. M. 50,082. (See T. M. 50,081.)

T. M. 195,825. (See T. M. 50,081.)

T. M. 385,751. (See T. M. 50,081.)

Adjudicated Patents

(C. C. A. N. Y.) Allen and Hartley patent, No. 1,967,221, for a printing plate, claims 7 and 8 *Held* invalid. *Addressograph-Multigraph Corp.* v. *Cooper*, 156 F.(2d) 483; 70 USPQ 272.

(C. C. A. N. Y. Calva patent, No. 2,240,388, for method of treating sheepskins, claims 1, 2, 3, 5, 10, and 13 *Held* invalid and not infringed. *Benz* v. *Celeste Fur Dyeing & Dressing Corp.*, 156 F.(2d) 510; 70 USPQ 46.

Order No. 4095

U. S. PATENT OFFICE, *Washington, D. C., Sept. 11, 1946.*

The classification of merchandise under the act of May 4, 1906, is hereby amended as follows:

The title of Class 45 is changed from "Beverages, nonalcoholic," to *Soft Drinks and Carbonated Waters.*

CASPER W. OOMS,
Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,346,623. AUTOMATIC CONTROL FOR ELECTRIC CIRCUITS. Patented Apr. 11, 1944. An automatic program selector for a radio in the form of a clock. A series of conductor bars represent different radio stations. Forty-eight spring pressed selector disks on bars with electrical conductors countersunk therein represent fifteen minute time periods throughout a twelve hour broadcasting period. (Co-owners) Robert F. and Ohmer E. Stewart. Address correspondence to Robert F. Stewart, R. R. #1, Franklin, Ohio. Group 36—61. Reg. No. 4,137.

Pat. 2,210,801. ANTIGLARE HEADLIGHT. Patented Aug. 6, 1940. A well or cavity is provided at the rear of the lower end of this headlight shell and the usual bulb mounted in a concealed position. Since the beam of light must first be directed to strike the upper polished surface of the shell and then reflect outwardly, glare is eliminated. The bottom portion of the shell is coated black so that it is non-reflecting. (Owner) Newton W. Doane, Box 264, Novato, Calif. Group 34—81. Reg. No. 4,138.

Pat. 2,396,834. RENEWABLE HEEL. Patented Mar. 19, 1946. A heel for a shoe with a removable and replaceable self-latching tread section interlocked in place by a tongue and groove overlapping joint. May be made from plies of fibrous material for longer wear. (Owner) Newton W. Doane, Box 264, Novato, Calif. Group 31—32—41. Reg. No. 4,139.

Pat. 2,158,831. NEST STRUCTURE. Patented May 16, 1939. A series of tray-like chambers, arranged in tiers one above the other, form nests each with a trapping closure and an egg trapping compartment into which eggs roll by gravity from the nest. Nest group may be readily knocked down for shipment or quickly assembled for use. May be made of sheet metal. (Owner) Anna C. Plante. Address correspondence to Frederic E. Anderson, 257 Laurel St., Hartford 5, Conn. Group 34—95. Reg. No. 4,140.

Pat. 2,278,281. POULTRY FEEDER. Patented Mar. 31, 1942. A trough type poultry feeder formed from sheet metal has the margins folded over toward outer surface to form a tongue and channel so feeder may be readily assembled or knocked down. A guard formed of spaced transverse and longitudinal bars (to admit the heads of chickens) rests on surface of feed and forms a screen to prevent scattering of feed by birds. A rod hooked across each end prevents tilting. Trough may be enlarged by adjustable supplemental side panels slidable in margins. (Owners) Anna C. Plante and Frederic E. Anderson. Address correspondence to Frederic E. Anderson, 257 Laurel St., Hartford 5, Conn. Groups 33—12—49; 35—22. Reg. No. 4,141.

Pat. 2,311,867. SHEET MATERIAL STRUCTURE. Patented Feb. 23, 1943. A four-corner structural joint for use with bendable sheet material, efficient in uniting sheet metal to form structures with angularly disposed walls. Comprises the folding of the margins of four sheets to form channels whereby they may be telescoped together to form four internal corners as in a structure made of separate compartments. (Owner) Anna C. Plante. Address correspondence to Frederic E. Anderson, 257 Laurel St., Hartford 5, Conn. Group 33—12. Reg. No. 4,142.

Pat. 2,358,415. SHEET METAL STRUCTURE. Patented Sept. 19, 1944. An easily assembled and disassembled two-corner structural joint for forming sheet material into knock-down structures with angularly disposed walls. Comprises the novel folding of the margins of three sheets whereby they may be slidably sheathed together to form two internal corners as in a structure made of adjoining compartments. (Owner) Anna C. Plante. Address correspondence to Frederic E. Anderson, 257 Laurel St., Hartford 5, Conn. Group 33—12. Reg. No. 4,143.

Pat. 2,199,121. CONVERTER SYSTEM. Patented Apr. 30, 1940. Group 36—61. Reg. No. 4,144.

Pat. 2,329,021. ELECTROMAGNETIC SYSTEM. Patented Sept. 7, 1943. Group 36—61. Reg. No. 4,145.

These two patents relate to kindred subject matter. A pair of coils are wound on cones of magnetic material, connected together and shunted by a condenser. The process comprises magnetizing the cones in a direction to cause only one of the coils to act as an inductance and cooperate with the condenser to form a parallel resonant circuit and the other coil to act as a resistance during part of each cycle; the actions of both coils being reversed during the remainder of each cycle. (Owner) Philip J. Walsh, 945 Pine St., San Francisco 2, Calif.

Pat. 2,399,792. CHILD'S CONVERTIBLE CHAIR. Patented May 7, 1946. While this chair is primarily adapted for use in an automobile, it may easily be converted for use elsewhere. The chair is placed on the vehicle seat and a pair of arcuate strips hooked over the back of the seat to hold the chair in position. The strips are pivotally connected so that they may be swung about to function as rear legs. Variable in height, the chair may be used as a child's toilet by removing the canvas seat cover. The base may be slid in the grooved arm rests and serve as a tray during feeding time. The whole is readily compacted into a small unit for storage when not in use. (Owner) George W. Copp, 418 Burns St. Forest Hills, N. Y. Group 25—11—13. Reg. No. 4,146.

Pat. 2,401,748. AIRCRAFT SEAT SUPPORTING STRUCTURE. Patented June 11, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A series of fittings and supports for an airplane seat so constructed as to gradually absorb extreme forces to prevent serious injury to occupant. Shock absorbers are secured to back of seat and main structure of plane and track underneath seat. Should the shear members, which secure the upper and lower part of seat to plane fail, the seat will move forward along track, the movement resisted by the shock absorbers. (Owner) Frederick P. Dillon, 9009 Burton Way, Los Angeles 36, Calif. Groups 25—31; 37—21. Reg. No. 4,147.

Pat. 2,304,781. AUTOMATIC DIVE BOMBER PILOT'S SEAT. Patented Dec. 15, 1942. A pilot's seat for a dive bomber controlled by hydraulic jack to release seat from upright to lowered position when airplane pulls out from a dive. Pilot is automatically raised to normal flying position as plane levels off after the pullout. Release mechanism is coupled with automatic pilot control so with release of bomb the automatic pilot is brought into use. (Owner) Frederick P. Dillon, 9009 Burton Way, Los Angeles 36, Calif. Group 37—21. Reg. No. 4,148.

Pat. 2,402,087. EXHAUST SILENCER. Patented June 11, 1946. An exhaust silencer for an internal combustion engine. A large housing provided with chambers with exhaust receiving openings (one for each cylinder) is attached to engine. Exhaust gases pass through openings which divide gases into several streams. The gases are drawn into fan housing attached to drive shaft and at the same time atmospheric air is drawn into fan housing. Gases pass through a tubular housing and then through conical screens to screen disk at small end of housing eliminating noise. (Owner) Pedro E. Rosales, Piedras Negras, Coah., Mexico. Group 35—19. Reg. No. 4,149.

Pat. 2,129,331. ELECTRICAL CONTROLLING APPARATUS AND METHOD. Patented Sept. 6, 1938. Group 36—19. Reg. No. 4,150.

Pat. 2,209,126. ELECTRICAL CONTROLLING APPARATUS AND METHOD. Patented July 23, 1940. Group 36—19. Reg. No. 4,151.

The two patents listed above relate to an electrical control system in which a translating device, in the form of a valve or motor, controls a supply of water, steam or oil for irrigation, heating or refrigeration purposes. The translating device is arranged on the primary side of a transformer and is controlled by means of a relay, rheostat or thermostatic switch on the secondary side (the arrangement may however be reversed in certain cases). The current voltage supplied to the secondary side is sufficiently low to prevent arcing or heating of the contact points and may therefore be manipulated with safety. (Owner) Edgar E. Littlefield, 834 North Stanley Ave., West Hollywood, Los Angeles 46, Calif.

Pat. 2,373,697. ELECTRICAL APPARATUS. Patented Apr. 17, 1945. This valve may be incorporated within the system described above. Casing of valve structure includes a seat and a bonnet with a cylindrical extension at the top of which is a tubular member having a closed end. Cooperating with the seat is a piston valve having an integrally formed extension provided with a seat at its upper end. The extension and piston form a by-pass within which a resiliently mounted valve stem reciprocates. All of the above parts are formed of a non-magnetizable material such as brass. Formed of a magnetizable material is a valve member threaded to the upper end of the stem and an adjustable lever arm, both parts enclosed within the above-mentioned tubular member with the closed end adjacent to which is a coil and core. When energized, the coil attracts the lever causing it to slide along the wall of the tubular member, unseat the by-pass valve, open the by-pass and release the pressure so that the piston valve is unseated. (Owner) Edgar E. Littlefield, 834 North Stanley Ave., West Hollywood, Los Angeles 46, Calif. Groups 33—61; 36—19. Reg. No. 4,152.

Pat. 2,382,186. TOY. Patented Aug. 14, 1945. As wheeled toy horse and cart are pulled forward, movement of head, legs and tail is effected by the turning of the wheels. Figure of horse is pivotally connected to the shafts of the cart and the head and jointed forelegs provided with springs. A cord looped from the shafts to the lower portion of the head, tail and to each leg causes head to bob, knees to bend, etc., as toy is pulled forward. (Owner) Ernest Valenti, 4007 Third Ave., Brooklyn 32, N. Y. Group 39—41. Reg. No. 4,153.

Pat. 2,398,478. COMBINATION VALISE AND CHAIR. Patented Apr. 16, 1946. Valise functions not only as a carrier but as a seat to which a slatted back is hinged and legs pivotally connected. When in folded position legs are received in separate pockets over which the back is folded to prevent displacement. The legs are each provided with a tensioned spring which urges them into position as soon as the back is lifted. The back is held in an upright position by fasteners. (Owner) Ernest Valenti, 4007 Third Ave., Brooklyn 32, N. Y. Group 25—31. Reg. No. 4,154.

Pat. 2,400,320. PORTABLE DISPLAY TABLE. Patented May 14, 1946. For use by demonstrators and salesmen, its two hinged box-like sections, when folded, resemble a carrying case. A pair of legs hinged within each section support the sections when opened and inverted so that the upper surfaces form a flat table. A multi-panel display back (foldable to fit in the case) is fastened to the sides of the opened case so that it is perpendicular to the supporting surface. The back may also be used to support shelves of various sizes. (Owner) Harry G. Trefry, 19 King St., Belmont, Mass. Groups 31—61; 35—84. Reg. No. 4,155.

Pat. 2,313,830. DOCTOR BLADE. Patented Mar. 16, 1943. Blade is of laminated structure. A graphite lubricant is placed between the two steel sheets which comprise the blade. When excess ink is being scraped from the rotating cylinder of a rotogravure printing press, the structure prevents scratching or wearing of the relatively soft copper face. (Owner) The Crowell Collier Publishing Company. Address correspondence to Campbell, Brumbaugh & Free, 90 Broad St., New York 4, N. Y. Groups 27—71; 35—55. Reg. No. 4,156.

Pat. 2,359,770. APPARATUS FOR REMOVING EXCESS FLUID FROM THE PRINTING CYLINDERS OF PRINTING PRESSES. Patented Oct. 10, 1944. The usual metal doctor blade is replaced by a sectional scraper composed of carbon graphite units. The units are fixed to a holder and held against the rotogravure press to effectively remove excess ink from the intagliated surface. The structure has several advantages in that each unit may be regulated or replaced so that pressure on the soft copper surface is uniform. The units have a tendency to wear less because of lubricating character of the graphite and the resultant reduced friction. (Owner) The Crowell Collier Publishing Company. Address correspondence to Campbell, Brumbaugh & Free, 90 Broad St., New York 4, N. Y. Groups 27—71; 35—55. Reg. No. 4,157.

Pat. 2,377,089. INTAGLIO PRINTING PRESS. Patented May 29, 1945. Press has two systems of spray nozzles situated in a relatively light casing to supply ink or a cleaning solvent. Circulation of ink may be quickly stopped and cleaning solvent forced through part of the ink supply system to thoroughly clean the photogravure cylinders, after which an ink of different color may be substituted if desired. A vacuum arrangement removes surplus ink or the volatile vapors of both the solvent and the ink. The arrangement may be easily installed in the conventional type of rotary photogravure press elminating the usual heavy casings which enclose the cylinder. (Owner) The Crowell Collier Publishing Company. Address correspondence to Campbell, Brumbaugh & Free, 90 Broad St., New York 4, N. Y. Groups 27—71; 35—55. Reg. No. 4,158.

Pat. 2,352,905. METHOD OF FORMING AND CONDITIONING COMPOSITE PRINTING PLATES AND THE LIKE. Patented July 4, 1944. Consists of placing the master plate against a mold and electrolytically depositing nickel and copper on the mold. The mold is then stripped from the copper and nickel plate, the plate washed and submitted to a flux bath consisting of water, zinc chloride and orthophosphoric acid. After drying, electrotype metal may be

cast on the conditioned surface. The tinfoil used in "tinning" the copper is eliminated by use of this method. (Owner) The Crowell Collier Publishing Company. Address correspondence to Campbell, Brumbaugh & Free, 90 Broad St., New York 4, N. Y. Group 35—55. Reg. No. 4,159.

Pat. 2,356,329. METHOD FOR THE SEPARATION AND RECLAMATION OF COPPER FROM PRINTING PLATES AND THE LIKE. Patented Aug. 22, 1944. A method for the recovery of copper from printing plates made of an alloy of lead, antimony, and tin on which a layer of copper and nickel has been deposited. The nickel is first electrolytically stripped and the stripped surface coated with calcium oxide or any other whiting. Direct heat is applied at a temperature sufficient to melt the "base" metal, leaving a thin copper shell. The shell is then heated and suddenly cooled, knurled to break up the scale and then mechanically and chemically cleansed and used as the anode to deposit copper on new plates or cylinders. (Owner) The Crowell Collier Publishing Company. Address correspondence to Campbell, Brumbaugh & Free, 90 Broad St., New York 4, N. Y. Group 35—55. Reg. No. 4,160.

Pat. 1,900,196. ROOFER'S GAUGE. Patented Mar. 7, 1933. A carpenter's gauge which requires only one setting to mark a complete set of right or left hand rafters. Comprises a main straight edge, and a folding straight edge hinged at center and hingedly attached to end of main edge. The other end is slidably attached to the upper surface of main straight edge so all parts may fold into a small flat package. (Owner) Ralph W. Pack, 808 Carmel Ave., Albany 6, Calif. Group 35—43. Reg. No. 4,161.

Pat. 1,900,197. PITCH GAUGE. Patented Mar. 7, 1933. A carpenter's gauge by means of which bevels and slopes may be laid off and the gauge reset to give the length of a diagonal, obviating the necessity for calculations. Comprises a horizontal run scale with a slidable vertical scale pivoted thereto and held by a leaf spring. A pair of adjustable graduated scales are also pivoted to run scale and slidable thereon. All scales fold along horizontal scale when not in use. (Owner) Ralph W. Pack, 808 Carmel Ave., Albany 6, Calif. Group 35—43. Reg. No. 4,162.

Pat. 2,400,769. MECHANICAL MANUAL-TYPE WIRE TWISTER. Patented May 21, 1946. A manually operated device for holding, feeding and twisting the ends of a safety tie-wire. Casing has a revolvable cuplike inner cylinder which coacts with outer cylinder. A gear driven, rotatably mounted, wire holding and twisting unit is mounted in bearing of outer cylinder and provided at outer end with a wire looping and twisting head. The wire is pulled down through the head and forms a loop which is held in position by clamping jaws. By holding outer cylinder and operating crank attached to inner cylinder the gearing comes into play, twisting head and wire. (Owner) William Morris, 95 Ramsdell St., New Haven, Conn. Group 35—42. Reg. No. 4,163.

Pat. 1,875,184. LIQUID INK ERASER FOR POCKET FOUNTAIN PENS AND DESK SET FOUNTAIN PENS. Patented Aug. 30, 1932. A plug in end of fountain pen has a removable, compressible sack which holds ink eradicator. When spring influenced ball valve is depressed, liquid flows through sleeve and rolls over surface to be erased. A removable shield holds pen point and protects sack. May also be used to house writing fluids and draw wide lines, mark boxes, etc. Filling operation is similar to that of fountain pen. (Owner) Frank N. Steigleder, 15 Boylston St., Boston, Mass. Group 39—51. Reg. No. 4,164.

Pat. 2,400,790. BABY COMFORT CAB. Patented May 21, 1946. A device for cooling or heating an infant's carriage, crib, etc. An inner spring mattress has channels formed within springs for air circulation and a tubular member between channels for hot or cold water. Edges of mattress are rolled over and outwardly to form extensions to prevent drafts. Beneath the extensions are openings covered with slidable perforated plates which regulate passage of air. A screen covered opening is provided in center of carriage. A motor mounted therein drives a fan and forces warm or cold air into mattress. (Owner) Willard R. Tolen, 3390 Lime St., Riverside, Calif. Groups 25—15; 35—84. Reg. No. 4,165.

Pat. 2,155,987. SAFETY PIN. Patented Apr. 25, 1939. This patent is concerned with the usual safety pin made of one piece of wire and bent to form a coil spring end, etc. The upper section of this pin, however, is bent near the center to form a triangular or loop-shaped portion which overlaps the piercing member of the pin. In use this prevents any tendency of the pin to open. The pin will lie flat on cloth and be held in position until released by the user. Several modifications are shown. (Owner) Michael V. Assaf, 27 Bennington St., Lawrence, Mass. Group 39—99. Reg. No. 4,166.

United States Government Owned Patent

The following patent, owned by the United States Government, as represented by the Secretary of the Interior, is available for licensing, upon a non-exclusive, royalty-free basis:

Pat. 2,395,475. BENEFICIATION OF BERYLLIUM ORES. Patented Feb. 26, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Produces high grade beryllium ore concentrate from low grade beryllium deposits. Comprises subjecting comminuted ore to a pre-treatment to remove iron and then to a mineral concentrating treatment involving selective filming under acidic conditions of a desired constituent in the presence of a soluble fluoride, a long-chain fatty acid and a long-chain alkyl amine salt. Group 34—1. Reg. No. 4,167.

Regulations under which licenses are granted are issued by the Secretary of the Interior. Applications for licenses should be made to the Solicitor, Department of the Interior, Washington 25, D. C.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 22, 1946

[VOL. 591. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 488,162. MAVCO SALES, INC., New York, N. Y. Filed Sept. 8, 1945.

Eleanor Hamlin

The mark consists of the facsimile signature of "Eleanor Hamlin," consent given.

FOR COMPACTS MADE OF BASE METAL AND COMPOSITION MATERIALS AND SOLD IN TRADE EMPTY.

Claims use since June 15, 1945.

Ser. No. 496,110. A. L. SIEGEL CO., INC., New York, N. Y. Filed Feb. 6, 1946.

Vita-Guard

FOR CLOSET ACCESSORIES MADE OF PLASTIC FILM—NAMELY, GARMENT BAGS, BLANKET BAGS, COMFORTER BAGS, AND LINEN BAGS.

Claims use since Jan. 4, 1946.

Ser. No. 504,413. F. A. WHITNEY CARRIAGE COMPANY, Leominster, Mass. Filed June 21, 1946.

Glamor-Hamper

No registration rights are claimed for the word "Hamper" apart from the mark.

FOR CLOTHES HAMPERS.

Claims use since June 7, 1946.

Ser. No. 504,888. EMPIRE BOX CORPORATION, Garfield, N. J. Filed July 1, 1946.

EMPIRE

FOR COLLAPSIBLE GLUED BOXES, CARTONS, AND TRAYS MADE OF CARDBOARD, PAPERBOARD, OR CARDBOARD.

Claims use since May 18, 1946.

Ser. No. 504,889. EMPIRE BOX CORPORATION, Garfield, N. J. Filed July 1, 1946.

EMPIRE QUALITY PRODUCTS

Applicant disclaims the words "Quality Products" apart from the mark.

FOR COLLAPSIBLE GLUED BOXES, CARTONS, AND TRAYS MADE OF BOXBOARD, PAPERBOARD, OR CARDBOARD.

Claims use since May 18, 1946.

Ser. No. 506,956. PEERLESS TUBE COMPANY, Bloomfield, N. J. Filed Aug. 6, 1946.

FOR COLLAPSIBLE TUBES.

Claims use since July 1, 1929.

Ser. No. 507,737. MARATHON CORPORATION, Rothschild, Wis. Filed Aug. 21, 1946.

MARALUX

FOR BAGS MADE OF PAPER, CELLOPHANE, GLASSINE, AND OTHER FLEXIBLE SHEET MATERIALS.

Claims use since May 8, 1946.

Ser. No. 508,020. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Aug. 26, 1946.

Lamitex

FOR BAGS MADE OF TEXTILE MATERIAL LAMINATED OR COATED WITH OTHER MATERIALS.
Claims use since Aug. 6, 1946.

Ser. No. 508,021. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Aug. 26, 1946.

Textite

FOR BAGS MADE OF TEXTILE MATERIAL LAMINATED OR COATED WITH OTHER MATERIALS.
Claims use since Aug. 6, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 490,207. SAM ORENSTEIN, doing business as Amelia Earhart Luggage, Newark, N. J. Filed Oct. 19, 1945.

FLEXLITE

FOR LUGGAGE—NAMELY, SUITCASES, HAND BAGS, DRESS TRUNKS, STEAMER TRUNKS, AND WARDROBE TRUNKS.
Claims use since February 1941.

Ser. No. 498,793. PAKULA AND COMPANY, Chicago, Ill. Filed Mar. 22, 1946.

PACER

FOR BILLFOLDS.
Claims use since Jan. 15, 1945.

Ser. No. 502,780. ABEL & BACH, INC., Milwaukee, Wis. Filed May 27, 1946.

"Pla-Mate"

FOR SUITCASES.
Claims use since Jan. 31, 1946.

Ser. No. 508,254. ETHEL L. TERRELL, Brooklyn, N. Y. Filed Aug. 29, 1946.

Ethel

FOR LADIES' HANDBAGS.
Claims use since Jan. 3, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 482,181. SANI-RUG CO., Chicago, Ill. Filed Apr. 14, 1945.

Sani-Rug

The word "Rug" is disclaimed apart from the mark.
FOR POWDER FOR DRY CLEANING RUGS AND CARPETS.
Claims use since Sept. 15, 1944.

CLASS 5

ADHESIVES

Ser. No. 484,058. NATIONAL STARCH PRODUCTS INC., New York, N. Y. Filed June 1, 1945.

NATIONAL

FOR SIZINGS FOR TEXTILES AND PAPER, GLUES AND PASTES.
Claims use since May 1, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 482,957. ABBOTT LABORATORIES, North Chicago, Ill. Filed May 4, 1945.

AMINOCLYSYL

FOR STERILE NON-PYROGENIC SOLUTION CONTAINING PROTEIN HYDROLYSATES WITH DEXTROSE INTENDED FOR PARENTERAL ADMINISTRATION FOR THE TREATMENT OF SURGICAL CASES; IN CASES OF SEVERE TRAUMA (WOUNDS, BURNS, AND FRACTURES); IN CERTAIN CASES OF DISEASES OF THE ALIMENTARY TRACT, COLITIS, NEPHROSIS AND CIRRHOSIS; AND IN CERTAIN CASES TO STIMULATE FORMATION OF PLASMA PROTEIN FOR (A) PREVENTION OF SHOCK, (B) ANTIBODY PRODUCTION AND (C) MAINTENANCE OF NORMAL BLOOD VOLUME.
Claims use since Apr. 18, 1945.

Ser. No. 483,784. PLANT PRODUCTS COMPANY, Blue Point, N. Y., assignor to Plant Products Corporation, Blue Point, N. Y., a corporation of New York. Filed May 25, 1945.

Plant Stim

The word "Plant" is disclaimed apart from the mark.
FOR INSECTICIDES USED FOR SPRAYING PLANTS.
Claims use since Dec. 18, 1944.

Ser. No. 484,417. HENRY W. MILLER, doing business as H. W. Miller Cosmetic Company, Glendale, Calif. Filed June 11, 1945.

GOLD LUCETTE

The word "Gold" is disclaimed apart from the mark.
FOR PERFUMES, COLOGNES, HAIR OIL, SHAMPOO, AND COSMETICS—NAMELY, ALL PURPOSE CREAM, HAND CREAM, CLEANSING CREAM, AND FACE POWDER.
Claims use since May 29, 1945.

Ser. No. 485,745. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed July 13, 1945.



The word "Sachet" is disclaimed apart from the mark as shown. The name "Elizabeth Arden" as depicted, represents a facsimile signature of Elizabeth Arden.
FOR SACHET POWDERS.
Claims use since Apr. 9, 1940.

Ser. No. 488,595. JOSIE LIPSCOMB, Denver, Colo. Filed Sept. 17, 1945.

J & L

FOR TISSUE CREAM, CLEANSING CREAM, AND BLEACH CREAM.
Claims use since July 20, 1945.

Ser. No. 489,458. GENERAL LABORATORIES, INC., St. Louis, Mo. Filed Oct. 5, 1945.

X-120

FOR SPECIAL ENZYME FOR THE INVERSION OF SUCROSE, OR BEET SUGAR, TO DEXTROSE AND LEVULOSE.
Claims use since June 17, 1944.

Ser. No. 489,796. SYBIL E. DOUD, San Francisco, Calif. Filed Oct. 11, 1945.

SYBILANA

FOR FACE CREAM.
Claims use since Sept. 15, 1945.

Ser. No. 489,821. EDGAR A. MURRAY CO., Detroit, Mich. Filed Oct. 11, 1945.

Mice Doom

No claim is made to the word "Mice" separate and apart from the remainder of the mark.
FOR POISON FOR ANIMALS SUCH AS MICE.
Claims use since 1898.

Ser. No. 489,823. EDGAR A. MURRAY CO., Detroit, Mich. Filed Oct. 11, 1945.

RAT DOOM

No claim is made to the word "Rat" separate and apart from the remainder of the mark.
FOR POISON FOR ANIMALS SUCH AS RATS.
Claims use since 1898.

Ser. No. 490,476. ASSOCIATED PRODUCTS, INC., Chicago, Ill. Filed Oct. 25, 1945.

SUNBLAZE

FOR FACE POWDER, FACE MAKEUP IN LIQUID FORM, CREAMS FOR THE HANDS AND FACE, SHAMPOOS, HAND LOTIONS, LIPSTICKS, NAIL LACQUERS, AND PERFUME.
Claims use since Sept. 19, 1945.

Ser. No. 491,519. FAYE SMITH, doing business as Sports Woman, New York, N. Y., assignor to Frank Heinemann, Garden City, N. Y. Filed Nov. 13, 1945.

Sports Woman

The word "Woman" is disclaimed separate and apart from the mark.
FOR PERFUMES AND TOILET WATER, EAU DE COLOGNE, LIPSTICK, ROUGE, HAND AND FACE LOTIONS.
Claims use since June 5, 1945.

Ser. No. 492,464. EARLE H. RODNEY, New York, N. Y. Filed Nov. 30, 1945.

Q·T·

FOR BODY DEODORANTS.
Claims use since Nov. 20, 1945.

Ser. No. 494,022. BUFFINGTON'S INC., Worcester, Mass. Filed Dec. 29, 1945.

PENTAMIN

FOR MULTIPLE VITAMIN PREPARATION.
Claims use since June 1940.

Ser. No. 496,761. D. MURRAY BURNS, doing business as Embur Drugs, Kansas City, Mo. Filed Feb. 18, 1946.

CHOLAMIN

FOR PROTEIN HYDROLYSATE OBTAINED FROM PRIMARY YEAST, AND DEXTROSE.
Claims use since Dec. 8, 1945.

Ser. No. 496,762. D. MURRAY BURNS, doing business as Embur Drugs, Kansas City, Mo. Filed Feb. 18, 1946.

EMBUR

FOR PROTEIN HYDROLYSATE OBTAINED FROM PRIMARY YEAST, AND DEXTROSE.
Claims use since Dec. 8, 1945.

Ser. No. 496,998. VIGOROL CO. INC., Brooklyn, N. Y. Filed Feb. 20, 1946.

OZON

FOR PREPARATIONS FOR TREATING AND BEAUTIFYING THE HAIR; FOR TREATING THE SCALP; MUD PACKS; FACIAL AND TEXTURE CREAMS; NAIL POLISH REMOVER; CUTICLE REMOVER; NAIL WHITE PASTE; CUTICLE SALVE; AND DEPILATORY WAX.
Claims use since 1923.

Ser. No. 498,445. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 18, 1946.

STERI-LUBE

FOR SURGICAL LUBRICANT.
Claims use since Feb. 19, 1946.

Ser. No. 499,191. THE ATLANTIC COAST FISHERIES COMPANY, Boston, Mass., assignor to Brewer & Company, Inc., Worcester, Mass., a corporation of Massachusetts. Filed Mar. 29, 1946.

EMULSICAPS

FOR CAPSULES SOLD IN BULK TO THE TRADE CONTAINING VARIOUS MEDICAMENTS SPECIFIED BY THE PURCHASER.
Claims use since Nov. 26, 1943.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 491,480. SAMUEL T. KANTOR, doing business as Gotham Ink & Color Co., Long Island City, N. Y. Filed Nov. 13, 1945.

NEOROTO

FOR ROTOGRAVURE INKS; COATINGS AND VARNISHES FOR ROTOGRAVURE APPLICATION; AND VARNISHES, VEHICLES, AND THINNERS FOR ROTOGRAVURE INKS AND ROTOGRAVURE COATINGS.
Claims use since Sept. 6, 1945.

Ser. No. 499,755. ALFRED BENDER, Mastic, N. Y. Filed Apr. 6, 1946.

SILV-O-GOLD

The word "Gold" is disclaimed apart from the mark.
FOR LIQUID INKS FOR PENS AND RUBBER STAMPS AND GOLD AND SILVER COMPOUNDS USED WITH SUCH INKS FOR PRODUCING EMBOSSED EFFECTS.
Claims use since Jan. 16, 1944.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 499,193. THE B & T METALS COMPANY, Columbus, Ohio. Filed Mar. 29, 1946.

X-Celotrim

FOR BUILDING TRIM OF EXTRUDED METALS AND VARIOUS PLASTIC COMPOSITIONS AND ADAPTED TO BE USED IN INTERIOR FINISHING AND DECORATING.
Claims use since Jan. 3, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 496,011. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Feb. 5, 1946.

CARSONIA

FOR ALUMINUM KITCHENWARE—NAMELY, SAUCE PANS WITH COVERS, SAUCE POTS, SAUCE KETTLES, DOUBLE BOILERS, PERCOLATORS, DRIPOLATORS, COFFEE POTS, COOKIE SHEETS, SKILLETS, LADLES, TEA KETTLES, OPEN SAUCE PANS, PIE PANS, BREAD PANS, TEA POTS, MIXING BOWLS, CAKE PANS, CHICKEN FRYING PANS, DUTCH OVENS, ANGEL CAKE PANS, COMBINATION SAUCE PANS, SALAD MOLDS, FRENCH FRYERS, STERILIZING PANS USED FOR BABIES' NURSING BOTTLES, ROASTERS, GRIDDLES, ROASTING PANS, COLANDERS, AND DISH PANS.
Claims use since Jan. 4, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 487,032. CRUCIBLE STEEL COMPANY OF AMERICA, Midland, Pa. Filed Aug. 11, 1945.

ROLL-O-MATIC

The word "Roll" is disclaimed apart from the mark.
FOR ROLL FORGINGS.
Claims use since May 11, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 491,104. MAC'S SUPER GLOSS CO., Los Angeles, Calif. Filed Nov. 5, 1945.

MAC'S

FOR WHITE TIRE COATING HAVING AN ENAMEL BASE.
Claims use since July 1932.

Ser. No. 505,053. GLOWAX COMPANY, New York, N. Y. Filed July 3, 1946.

GLOWAX



The picture is a representation of Chief Robert Redwing, the president of the applicant corporation.
FOR AUTOMOBILE POLISH.
Claims use since Mar. 12, 1943.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 489,969. KENT-MOORE ORGANIZATION, INC., Detroit, Mich. Filed Oct. 15, 1945.

Giffy

FOR ELECTRIC ARC WELDERS.
Claims use since August 1937.

Ser. No. 498,728. YERMIE STERN, New York, N. Y. Filed Mar. 21, 1946.

STORECASTING

FOR ELECTRICAL EQUIPMENT—NAMELY, LOUDSPEAKERS, AMPLIFIERS, AND TELEPHONE WIRES.
Claims use since Mar. 1, 1946.

Ser. No. 499,800. PLANET PRODUCTS, INC., Chicago, Ill. Filed Apr. 6, 1946.



FOR PORTABLE ELECTRIC STOVES AND HOT PLATES.
Claims use since Jan. 28, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 490,499. MAGUIRE INDUSTRIES, INCORPORATED, Bridgeport, Conn. Filed Oct. 25, 1945.

Thompson

The surname "Thompson" is a facsimile of a part of the signature of the late General John Taliaferro Thompson.
FOR WOODEN TOY SUB-MACHINE GUNS.
Claims use since Oct. 1, 1945.

Ser. No. 491,638. FOOTMOBILE CORPORATION, New York, N. Y. Filed Nov. 15, 1945.

FOOTMOBILE

FOR ROLLER SKATES, AND PARTS FOR ROLLER SKATES.
Claims use since Nov. 2, 1945.

Ser. No. 492,602. THE VESTO COMPANY, Kansas City, Mo. Filed Dec. 3, 1945.

VESTO
THE VESTO CO.
KANSAS CITY, MO.

The words "Kansas City, Mo." are disclaimed apart from the mark.
FOR FISHING TACKLE IN THE NATURE OF FLY LINES, CASTING AND TROLLING LINES, AND DRYING PINS THEREFOR.
Claims use since Nov. 19, 1945.

Ser. No. 496,964. HOWARD MANUFACTURING CORPORATION, Council Bluffs, Iowa. Filed Feb. 20, 1946.

RINKMASTER

FOR SKATE WHEELS.
Claims use since October, 1945.

Ser. No. 501,610. SYMPHONIC TOY COMPANY, Philadelphia, Pa. Filed May 7, 1946.

METALOPHONE

FOR TOY XYLOPHONES.
Claims use since Feb. 1, 1946.

Ser. No. 507,060. MAGEE-KIRBY COMPANY, Beverly Hills, Calif. Filed Aug. 8, 1946.

Chipmaster

FOR POKER CHIP DISPENSERS.
Claims use since May 1, 1946.

Ser. No. 507,938. T. H. RINER, doing business as Riner Artificial Bait Co., Bakersfield, Calif. Filed Aug. 23, 1946.

Eager Beaver

FOR FISHING LURES.
Claims use since Apr. 20, 1946.

Ser. No. 508,063. RAYMOND MEHNERT, doing business as Ray's Bait Company, Alliance, Ohio. Filed Aug. 26, 1946.

HUBBA-HUBBA

FOR ARTIFICIAL FISHING BAIT.
Claims use since July 1, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 499,454. WRIGHT'S AUTOMATIC MACHINERY COMPANY, Durham, N. C. Filed Apr. 1, 1946.

MAYPLEX

FOR WRAPPING, SEALING, AND LABELING MACHINES.
Claims use since Nov. 14, 1945.

Ser. No. 499,822. CHRIS-CRAFT CORPORATION, Algonac, Mich. Filed Apr. 8, 1946.

Chris-Craft

The mark consists of the words "Chris-Craft."
FOR INTERNAL COMBUSTION ENGINES—NAMELY, MARINE MOTORS AND OUTBOARD MOTORS.
Claims use since June 1, 1922.

Ser. No. 500,079. HARRY M. GUSTAFSON, Chicago, Ill. Filed Apr. 12, 1946.

SMORGASBORD

FOR ADJUSTABLE KITCHEN KNIVES.
Claims use since Mar. 6, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 483,846. ELECTRONIC PRODUCTS MANUFACTURING, INCORPORATED, Dexter, Mich., now by change of name to Vokar Corporation. Filed May 28, 1945.

VOKAR

Applicant is the owner of Reg. No. 397,205. The mark consists of the word "Vokar."
FOR PHOTOGRAPHIC APPARATUS AND EQUIPMENT—NAMELY, CAMERAS AND PROJECTORS, SCRATCH ELIMINATORS FOR NEGATIVES, ENLARGERS, VIEWERS, EASELS, RANGEFINDERS, SHUTTERS, DEVELOPING TANKS, PRINT TONGS, TRIPODS, CARRYING CASES, FILTERS, SUNSHADES, FLASH GUNS, FLASH LAMPS, EXPOSURE METERS, AND DODGER KITS USED IN THE PROCESS OF MAKING PRINTS FROM NEGATIVES.
Claims use since Dec. 4, 1939.

Ser. No. 485,500. INTERCONTINENTAL MARKETING COMPANY, New York, N. Y., assignor to Intercontinental Marketing Corporation, New York, N. Y. Filed July 6, 1945.

INTER

FOR PHOTOGRAPHIC GOODS—NAMELY, FINDERS, DISTANCE METERS, RANGE FINDERS, EXPOSURE METERS, COLOR FILTERS WITH AND WITHOUT MOUNTINGS, AUXILIARY LENSES, AUTOMATIC RELEASES, CASES, TRIPODS, TRIPOD HEADS, ENLARGING APPARATUS, PROJECTION APPARATUS, PRINTING APPARATUS, FILM SPOOLS, FILM SLIDES, LENSES, CAMERA SHUTTERS, CARRYING STRAPS, STEREO AUXILIARIES, STEREO VIEWERS, LENS CAPS, SOLAR DIAPHRAGMS, APPARATUS FOR DEVELOPING SENSITIZED PHOTOGRAPHIC MATERIALS, VIEWING LENSES AND APPARATUS FOR DETERMINING THE DEPTH OF FOCUS TABLES, THERMOMETERS FOR PHOTOGRAPHIC DEVELOPING TANKS, ELECTRICAL FLASH BULBS AND SYNCHRONIZERS, FLASH GUN UNITS (SYNCHRONIZERS), FILM REWINDS FOR REWINDING PHOTOGRAPHIC FILMS FROM ONE REEL TO ANOTHER, SENSITIZED PLATES, DEVELOPING TRAYS, SENSITIZED FILM, SENSITIZED PHOTOGRAPHIC PAPERS, CAMERAS, CAMERA PARTS.
Claims use since June 1, 1945.

Ser. No. 495,657. WENDELL P. DUBBS, Palo Alto, Calif. Filed Jan. 30, 1946.



No claim is made to the word "Recipe" apart from the mark.
FOR SMALL DISC CALCULATOR FOR USE IN ESTIMATING VOLUME OF INGREDIENTS IN CULINARY MIXTURES IN THE ART OF COOKING.
Claims use since Sept. 6, 1945.

Ser. No. 496,766. CIRO, INCORPORATED, Detroit, Mich. Filed Feb. 18, 1946.

Ciro-flex

FOR CAMERAS.
Claims use since Aug. 31, 1940.

Ser. No. 502,583. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed May 22, 1946.

GINGHAM

FOR EYEGLASSES AND SPECTACLE FRAMES.
Claims use since Apr. 15, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 496,371. ANDREW S. COX, doing business as Arkco Sales Company, Little Rock, Ark. Filed Feb. 11, 1946.

Bachelorette

FOR COSTUMERS.
Claims use since Jan. 11, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 501,218. VOLCANO BURNER CORPORATION, New York, N. Y. Filed Apr. 30, 1946.

Volcano

FOR OIL BURNERS FOR HOUSEHOLD AND INDUSTRIAL FURNACE HEATING.
Claims use since Sept. 25, 1928.

Ser. No. 502,300. JOSEPHSON & SHARP MFG. COMPANY, Glendale, Calif. Filed May 17, 1946.

SHARPO

FOR PYROPHORIC CIGARETTE LIGHTERS.
Claims use since Sept. 1, 1945.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 468,729. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Mar. 27, 1944.

Phillips 66

The drawing is lined to indicate the colors black and mandarin orange. No claim is made to the surname "Phillips" apart from the mark.
FOR PORTABLE REPAIR KITS FOR REPAIRING INNER TIRE TUBES AND SIMILAR RUBBER GOODS AND HOT PATCHES FOR TIRE REPAIR.
Claims use since September 1932.

Ser. No. 508,112. GREENE, TWEED & CO., New York, N. Y. Filed Aug. 27, 1946.

PALMETTO *Pyramid*

FOR MACHINERY PACKING.
Claims use since Mar. 1, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 492,481. WHEELER PAPER CORPORATION, Albany, N. Y. Filed Nov. 30, 1945.



FOR TOILET TISSUE.
Claims use since March 1941.

Ser. No. 496,254. MARKWELL MFG. CO., INC., New York, N. Y. Filed Feb. 8, 1946.

PUNCHMASTER

FOR HAND-CARRIED PUNCHES USED FOR PUNCHING HOLES IN TICKETS, PAPERS, CARDBOARD, AND CLOTH FABRICS.
Claims use since July 19, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 486,532. LANE PUBLISHING CO., San Francisco, Calif. Filed July 31, 1945.

Sunset

FOR BOOKS AND PAMPHLETS.
Claims use since June 1934.

Ser. No. 498,186. THE UNITED STATES PRINTING & LITHOGRAPH COMPANY, Norwood, Ohio. Filed Mar. 13, 1946.

Monograved

FOR PRINTED LABELS FOR PACKAGED FOODS.
Claims use since Jan. 30, 1946.

CLASS 39

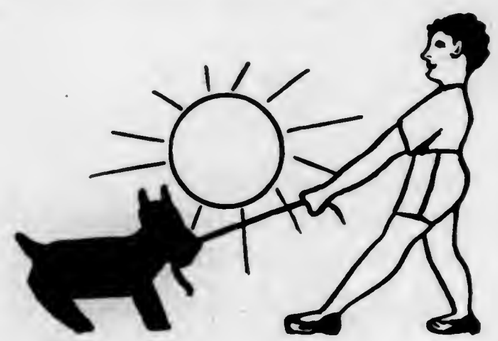
CLOTHING

Ser. No. 452,915. WHITEWATER GARMENT COMPANY, Whitewater, Wis. Filed May 9, 1942.

C-ME-COAT

The word "Coat" is disclaimed apart from the mark.
FOR OUTER GARMENTS—NAMELY, COATS, CAPES, BLOUSES, JACKETS, SHIRTS, AND SWEATERS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Jan. 5, 1942.

Ser. No. 485,024. LITTLE SPORT TOGS MFG. CO., New York, N. Y. Filed June 25, 1945.



FOR BOYS', GIRLS', CHILDREN'S, AND INFANTS' WASH DRESSES AND SUITS, COVERALLS, PLAYSUITS, BEACH, LOUNGING AND BATH ROBES, SPORT JACKETS, SUN SUITS, AND OVERALLS.
Claims use since Dec. 6, 1937.

Ser. No. 495,032. LADY ROYAL MFG. CO., INC., New York, N. Y. Filed Jan. 19, 1946.

LADY ROYAL

No claim is made to the word "Lady" apart from the mark.
FOR LADIES' SLIPS, PANTIES, BRASSIÈRES, AND NIGHT GOWNS, CORSETS, GIRDLES, AND PANTY GIRDLES.
Claims use since Oct. 31, 1945.

Ser. No. 495,742. HOLLYVOGUE TIES, Los Angeles, Calif. Filed Jan. 31, 1946.

Norinco

FOR MEN'S NECKTIES.
Claims use since June 1, 1942.

Ser. No. 496,510. HUISKAMP BROS. CO., Keokuk, Iowa. Filed Feb. 13, 1946.

Vocation

FOR WOMEN'S SHOES MADE OF LEATHER, FABRIC, PLASTIC, AND/OR COMBINATIONS THEREOF.
Claims use since Jan. 21, 1946.

Ser. No. 496,582. SPATZ BROS., INC., New York, N. Y. Filed Feb. 14, 1946.

doodle bug

FOR LADIES' RAINCOATS.
Claims use since Sept. 10, 1945.

Ser. No. 496,737. SONS SHOE COMPANY, Bonne Terre and St. Louis, Mo. Filed Feb. 16, 1946.

Tantalizers

FOR LADIES' AND MISSES' SHOES MADE OF LEATHER, FABRIC OR COMPOSITIONS OR COMBINATIONS THEREOF.
Claims use since Dec. 13, 1945.

Ser. No. 497,321. MONDEX, INC., New York, N. Y. Filed Feb. 27, 1946.

MONDEX

FOR FOUNDATION GARMENTS AND BRASSIÈRES.
Claims use since January 1946.

Ser. No. 499,779. LOUIS GOLDSMITH, INC., Philadelphia, Pa. Filed Apr. 6, 1946.

PHIL-KNIT

No claim is made to the word "Knit" apart from the mark.
FOR MEN'S LIGHT-WEIGHT OVERCOATS MADE FROM A WOVEN MATERIAL.
Claims use since Apr. 10, 1924.

Ser. No. 500,103. MAVEST, INC., New York, N. Y. Filed Apr. 12, 1946.

MAVECO

FOR WOMEN'S AND MEN'S SUITS, COATS, AND PANTS.
Claims use since Mar. 1, 1946.

Ser. No. 500,401. LOWELL LINGERIE COMPANY, Lowell, Mass. Filed Apr. 17, 1946.



The name "Lucy Larcom" is that of a deceased, historical personage, being a poetess and authoress, and being a New England celebrity. No claim is made to the pictorial feature apart from the mark, the picture is fanciful.
FOR SLIPS FOR WOMEN, MISSES, AND GIRLS.
Claims use since Mar. 22, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 485,673. THE GLAM-O-LASH CO., San Francisco, Calif. Filed July 7, 1945.



Applicant disclaims the right to the exclusive use of the word "Lash." The drawing is lined for the colors blue and yellow.
FOR FALSE EYE-LASHES.
Claims use since Mar. 11, 1943.

Ser. No. 494,183. GEMSCO, INC., New York, N. Y. Filed Jan. 2, 1946.

GEMCRYSTAL

FOR BUCKLES MADE FROM ARCRYLIC PLASTIC FOR MEN'S BELTS.
Claims use since Dec. 1, 1945.

Ser. No. 496,997. VALUE MERCHANDISE SALES CO. INC., New York, N. Y. Filed Feb. 20, 1946.



The word "Brand" is disclaimed apart from the mark.
FOR RIC-RAC, BIAS BINDING, SEAM BINDING, AND ELASTIC TAPE.
Claims use since Feb. 1, 1946.

Ser. No. 498,256. ARMAND SCHWAB & CO., INC., New York, N. Y. Filed Mar. 14, 1946.

"RAPOLINE"

FOR HAT BRAIDS MADE OF STRANDS SIMULATING SPLIT STRAW, MANUFACTURED OF CELLULOSE FILM.
Claims use since Mar. 2, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 483,399. VERNEY FABRICS CORPORATION, New York, N. Y. Filed May 15, 1945.

Madrigal

FOR PIECE GOODS OF NATURAL AND SYNTHETIC FIBRES AND MIXTURES THEREOF—NAMELY, RAYON, COTTON, WOOL, AND SILK.
Claims use since Apr. 1, 1945.

Ser. No. 483,597. VERNEY FABRICS CORPORATION, New York, N. Y. Filed May 19, 1945.

GLEE

FOR PIECE GOODS OF NATURAL AND SYNTHETIC FIBRES AND MIXTURES THEREOF—NAMELY, RAYON, COTTON, WOOL, AND SILK.
Claims use since Apr. 1, 1945.

Ser. No. 485,851. ASHER & BORETZ, INC., New York, N. Y. Filed July 16, 1945.

CALIDE

FOR WOVEN COTTON FABRICS IN THE GREIGE, BLEACHED OR DYED, AND COATED WITH A VINYL PLASTIC COATING EMBOSSED IN DIFFERENT PATTERNS.
Claims use since Mar. 1, 1944.

Ser. No. 489,747. S. T. PALAY TEXTILE CORPORATION, New York, N. Y. Filed Oct. 10, 1945.

Blue Chip

No claim is made to the word "Blue" apart from the mark.
FOR PIECE GOODS MADE OF SPUN RAYON AND WOOL.
Claims use since Oct. 21, 1938.

Ser. No. 489,754. S. T. PALAY TEXTILE CORPORATION, New York, N. Y. Filed Oct. 10, 1945.

VISYLKA

FOR FABRICS OF SILK AND RAYON.
Claims use since Sept. 29, 1938.

Ser. No. 489,983. PLASTRON, INC., New York, N. Y. Filed Oct. 15, 1945.

Plastron

FOR PLASTIC FILM MADE OF POLYVINYL CHLORIDE, A WATERPROOF WASHABLE PLASTIC USED FOR PURPOSES SIMILAR TO A FABRIC SUCH AS BOOK COVERS, FURNITURE COVERINGS, BIRD CAGE COVERS, COVERING FOODS, SHOWER CURTAINS, SHOWER HOODS, MAKE-UP CAPES, RAIN WEAR, HAT COVERS, APRONS AND BIBS, TABLE COVERS, COSTUMES, ALL KINDS, BLANKET BAGS, GARMENT BAGS, SHOULDER COVERS, LINGERIE CASES, LAMP SHADES AND LAMPS, DRESSING TABLE SKIRTS AND KITCHEN AND BATHROOM CURTAINS.
Claims use since Aug. 1, 1945.

Ser. No. 496,686. CANTOR-GREENSPAN CO., INC., New York, N. Y. Filed Feb. 16, 1946.

CROSSTIX

FOR RAYON PIECE GOODS.
Claims use since December 1945.

Ser. No. 496,687. CANTOR-GREENSPAN CO., INC., New York, N. Y. Filed Feb. 16, 1946.

KANDURE

FOR RAYON PIECE GOODS.
Claims use since November 1945.

CLASS 43

THREAD AND YARN

Ser. No. 490,950. KING ARTHUR YARN CO., New York, N. Y. Filed Nov. 2, 1945.

KING ARTHUR

FOR ART NEEDLEWORK YARNS.
Claims use since Nov. 1, 1944.

Ser. No. 495,976. MOSES LAVINSKY, Medford, N. J. Filed Feb. 4, 1946.

Dur-L-Lisle

No claim is made to the word "Lisle" apart from the mark.
FOR COTTON FIBER YARN.
Claims use since Jan. 8, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 508,291. THE KENDALL COMPANY, Walpole, Mass. Filed Aug. 30, 1946.

KERLIX

FOR CLOTH ROLLS FOR USE AS SURGICAL DRESSINGS.
Claims use since Aug. 1, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 481,090. WAULTERS POTATO CHIP CO., Milwaukee, Wis., now by change of name Chesty Foods, Terre Haute, Ind. Filed Mar. 19, 1945.



FOR POTATO CHIPS, POPCORN (POPPED), AND SHELLED NUTS.
Claims use since Feb. 10, 1945.

Ser. No. 484,957. ITALIAN COOK OIL CORP., Brooklyn, N. Y. Filed June 23, 1945.

ITALIAN COOK



No claim is made to the word "Italian" nor to the representation of the container apart from the mark. The representation of the cook is fanciful.

FOR CORN AND COTTONSEED OIL FOR USE AS SALAD AND COOKING OIL.

Claims use since 1907.

Ser. No. 486,819. LEE C. SOLOMAN, doing business as Casa Prima Citrus Company, San Francisco, Calif. Filed Aug. 6, 1945.

BIM'S

FOR BERKSHIRE SAUCE, WORCESTERSHIRE SAUCE, GARLIC SAUCE, SPICY MEAT SAUCE, SOY SAUCE, AND GRAVY AND SOUP BASE.

Claims use since May 16, 1945.

Ser. No. 490,553. G. W. THIELE CO., Shannon, Ill. Filed Oct. 26, 1945.



The mark consists of the phonetic spelling of the name "Thiele." Applicant disclaims any exclusive use of the words "Brand," "Fancy Popcorn" and "Lee" apart from the mark.

FOR UNPOPPED POPCORN.

Claims use since December 1944.

Ser. No. 492,294. VAN BUREN COUNTY FRUIT EXCHANGE, Hartford, Mich. Filed Nov. 27, 1945.



The drawing is lined for shading only. The word "Brand" is disclaimed apart from the other features of the mark.

FOR FRESH CITRUS AND DECIDUOUS FRUITS AND FRESH VEGETABLES.

Claims use since April 1945.

Ser. No. 492,886. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y. Filed Dec. 8, 1945.

GELEX

The mark consists of the word Gelex (Pronounced "Jell-ex").

FOR WET-MILLED CORN STARCH SOLD IN BULK AND USED FOR MODIFYING THE PROTEIN CONTENT OF BISCUIT AND CRACKER DOUGH AND ALSO FOR MAKING FAT EMULSIONS FOR GREASING BAKERY PANS.

Claims use since March 1935.

Ser. No. 494,284. FRANCOIS ROCHIAS, Billom, France. Filed Jan. 4, 1946.



All the wording in the mark except "Rosail" is disclaimed, apart from the mark. The representation of the bugler is fanciful.

FOR GARLIC.

Claims use since May 7, 1945.

Ser. No. 496,492. ERNEST W. WILDER, doing business as Sutter Belle Packing Company, Yuba City, Calif. Filed Feb. 12, 1946.

SUTTER BELLE

No claim is made to the word "Sutter" apart from the mark.

FOR FRESH DECIDUOUS FRUIT.

Claims use since June 1, 1945.

Ser. No. 498,008. KENNETH B. HEGGENHAUGEN, Minneapolis, Minn. Filed Mar. 11, 1946.

EAGER BEAVER

FOR CANDY.

Claims use since Mar. 1, 1946.

Ser. No. 500,715. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Apr. 22, 1946.

NEOCURTASAL

Applicant is the owner of United States trade-mark registration No. 299,135, dated Nov. 22, 1932.

FOR SEASONING AGENT FOR SALT-FREE DIET, USED AS A SUBSTITUTE FOR TABLE SALT.

Claims use since Mar. 27, 1946.

Ser. No. 500,738. BRYN MAWR FRUIT GROWERS ASSOCIATION, Bryn Mawr, Calif. Filed Apr. 23, 1946.

REDLANDS JOY

Applicant is the owner of Reg. Nos. 232,323 and 372,275. No claim is made to the geographical word "Redlands" apart from the other features of the mark.

FOR FRESH CITRUS FRUITS.

Claims use since January 1932.

Ser. No. 501,103. WILSON & CO., INC., Chicago, Ill. Filed Apr. 27, 1946.

PAR

FOR LARD.

Claims use since Mar. 29, 1946.

CLASS 47

WINES

Ser. No. 496,376. E. & J. GALLO WINERY, Modesto, Calif. Filed Feb. 11, 1946.

GALLO

FOR WINES.

Claims use since 1909.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 486,145. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Rubber & Latex Products Company, and Firestone Industrial Products Company, Akron, Ohio, and Fall River, Mass. Filed July 23, 1945.

FOAMEX

Applicant is the owner of Reg. No. 414,598.

FOR CUSHIONS AND PADDING FOR RUGS AND CARPETS, AND FOR PACKAGING FRAGILE ARTICLES.

Claims use since Oct. 20, 1943.

Ser. No. 494,838. GREEN THUMB, INC., New York, N. Y. Filed Jan. 16, 1946.



The human figure shown is not of any living individual. Applicant disclaims separately from the mark the cone shaped design.

FOR INSULATED AND GLAZED PLANT AND SEED COVERS MADE OF PLASTIC MATERIAL.

Claims use since Nov. 1, 1945.

Ser. No. 497,410. PREMIER INDUSTRIES, INC., Cincinnati, Ohio. Filed Feb. 28, 1946.

TEDDY BEAR

FOR SODA STRAWS.

Claims use since 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 22, 1946

424,689. GINGER ALE, GRAPE JUICE, COLA SODA, CARBONATED WATER, MINERAL WATER, ALL FLAVORS OF SODA WATER, AND FLAVORING THEREFOR. V. & E. KOHNSTAMM INC., New York, N. Y.

Filed August 27, 1941. Serial No. 446,578. PUBLISHED DECEMBER 16, 1941. Class 45.

424,690. LIPSTICKS AND CLEANSING CREAMS. THE VAD CORPORATION, New York, N. Y.

Filed October 21, 1942. Serial No. 456,328. PUBLISHED MARCH 2, 1943. Class 6.

424,691. VITAMIN PREPARATIONS FOR INCORPORATION IN ANIMAL AND POULTRY FEEDS. WORLD PRODUCTS CORPORATION, New York, N. Y.

Filed January 10, 1944. Serial No. 466,472. PUBLISHED APRIL 4, 1944. Class 6.

424,692. QUILTING IN THE PIECE CONSISTING OF AN INTERLINING COMBINED WITH A FACING CLOTH OF WOOL, COTTON, SILK, RAYON, OR NYLON, OR OF VARIOUS MIXTURES THEREOF, TO BE USED PRINCIPALLY FOR LINING GARMENTS AND COVERLETS. AIRPAK LIMITED, London, England.

Filed March 16, 1944. Serial No. 468,334. PUBLISHED JULY 23, 1946. Class 42.

424,693. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. ELIZABETH VILLARREAL, Chicago, Ill.

Filed March 24, 1944. Serial No. 468,647. PUBLISHED JULY 23, 1946. Class 45.

424,694. GLASS AND METAL CLEANER, TIRE COATING OR DRESSING, PRE-WAX CLEANER, SPOT REMOVER, AND CHEMICALLY TREATED DUST CLOTH. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.

Filed March 27, 1944. Serial No. 468,724. PUBLISHED JULY 23, 1946. Class 4.

424,695. SUN GLASSES. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.

Filed March 27, 1944. Serial No. 468,726. PUBLISHED JULY 23, 1946. Class 26.

424,696. SHOE FABRICS INTENDED FOR USE IN LINING SHOES. INTERNATIONAL FABRIC CORPORATION, Boston, Mass.

Filed June 23, 1944. Serial No. 471,559. PUBLISHED OCTOBER 3, 1944. Class 42.

424,697. PERFUMES, TOILET WATERS, DUSTING POWDER, BATH OIL, BATH SALTS, BATH TABLETS, AND BODY SACHET. CHARLES OF THE RITZ, INC., New York, N. Y.

Filed July 29, 1944. Serial No. 472,731. PUBLISHED NOVEMBER 14, 1944. Class 6.

424,698. PERFUMES. MARTIN DE BOTELHO, New York, N. Y., assignor to Alexa, Inc., New York, N. Y., a corporation of New York.

Filed August 16, 1944. Serial No. 473,312. PUBLISHED JULY 9, 1946. Class 6.

424,699. CHEMICAL PREPARATION CONTAINING CALCIUM CYANAMIDE USED TO REMOVE FOLIAGE FROM PLANTS. AMERICAN CYANAMID COMPANY, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine.

Filed October 12, 1944. Serial No. 475,232. PUBLISHED JULY 9, 1946. Class 6.

424,700. AFTER SHAVE LOTION. EMMY MAYER, doing business as Emmy Bouquet Laboratory, San Francisco, Calif.

Filed December 19, 1944. Serial No. 477,746. PUBLISHED JULY 9, 1946. Class 6.

424,701. TOILET SETS CONSISTING OF A COMB, BRUSH, AND MIRROR, AND BLANKET HOLDERS ALL MADE OF PLASTIC. THE ATHOL COMB CO., New York, N. Y.

Filed December 26, 1944. Serial No. 477,910. PUBLISHED JULY 9, 1946. Class 40.

424,702. CANVAS COVERED HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS, AND TAXI TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.

Filed January 15, 1945. Serial No. 478,651. PUBLISHED APRIL 24, 1945. Class 3.

424,703. TOILET PREPARATIONS, PERFUMERY AND COSMETICS—NAMELY, NAIL POLISH, PERFUME, TOILET WATERS, LIPSTICKS, FACE POWDERS, TOILET CREAMS, AND ROUGE. LES PARFUMS DE DANA, INC., New York, N. Y.

Filed February 9, 1945. Serial No. 479,629. PUBLISHED MAY 15, 1945. Class 6.

424,704. PIECE GOODS OF COTTON, RAYON, WOOL, AND MIXTURES OF SAME. THE YARDSTICK, INC., New York, N. Y.

Filed February 24, 1945. Serial No. 480,217. PUBLISHED JULY 23, 1946. Class 42.

424,705. MEDICAMENT FOR THE TREATMENT OF FEMALE DISORDERS, SUCH AS LEUCORRHEA, ULCERATIONS OF THE WOMB, ETC. NIXON, STUART & BARKER, Peoria, Ill.

Filed March 15, 1945. Serial No. 480,957. PUBLISHED JULY 16, 1946. Class 6.

424,706. NOSE DROPS. CHEPLIN LABORATORIES INC., Syracuse, N. Y., now by change of name to Bristol Laboratories Inc.

Filed March 23, 1945. Serial No. 481,210. PUBLISHED JULY 2, 1946. Class 6.

424,707. PERFUME AND COLOGNE. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill.

Filed March 26, 1945. Serial No. 481,308. PUBLISHED JUNE 26, 1945. Class 6.

424,708. SPORTSWEAR—NAMELY, JUVENILE BOYS', MEN'S CLOTH JACKETS AND COATS, LEATHER TRIMMED JACKETS AND COATS, ETC. CALIFORNIA MANUFACTURING COMPANY, St. Louis, Mo.

Filed May 30, 1945. Serial No. 483,958. PUBLISHED JULY 23, 1946. Class 39.

424,709. AFTER SHAVING LOTION, EAU DE COLOGNE, BATH ESSENCE, LAVENDER WATER, FACE LOTION, TALCUM POWDER, ETC. CAVALCADE BEAUTY PREPARATIONS LIMITED, London, England.

Filed June 2, 1945. Serial No. 484,085. PUBLISHED JULY 9, 1946. Class 6.

424,710. WATER IMPERVIOUS TEXTILE FABRICS SOLD BY THE PIECE, YARD, OR BOLT AND MADE OF COTTON, RAYON, SILK, WOOL, NYLON, GLASS, PROTEIN, AND CELLULOSE DERIVATIVE FILAMENTS. PROTECTIVE COATINGS CORPORATION, Belleville, N. J.

Filed June 20, 1945. Serial No. 484,801. PUBLISHED JULY 23, 1946. Class 42.

424,711. TRADE MAGAZINE. DISTRIBUTION AND WAREHOUSING PUBLICATIONS INC., New York, N. Y.

Filed June 27, 1945. Serial No. 485,076. PUBLISHED JULY 23, 1946. Class 38.

424,712. ANTISEPTIC POWDER FOR THE RELIEF OF PRICKLY HEAT, ABRASIONS, CHAFED ITCHING SKIN, AND ATHLETE'S FOOT. EFFICIENCY LABORATORIES, New Orleans, La.

Filed July 10, 1945. Serial No. 485,633. PUBLISHED JULY 16, 1946. Class 6.

424,713. TITANIUM COMPOUNDS FOR TEXTILE STRIPPING OPERATIONS AND DELUSTRANTS. DARPRO CHEMICAL CORPORATION, Newark, N. J.

Filed July 14, 1945. Serial No. 485,814. PUBLISHED JULY 16, 1946. Class 6.

424,714. GREETING CARDS. REPRODUCTA, INC., New York, N. Y.

Filed July 18, 1945. Serial No. 485,963. PUBLISHED DECEMBER 11, 1945. Class 38.

424,715. FRESH VEGETABLES, FRESH CITRUS FRUITS, AND FRESH DECIDUOUS FRUITS. E & L FRUIT & PRODUCE DISTRIBUTORS, Los Angeles, Calif.

Filed August 1, 1945. Serial No. 486,568. PUBLISHED JULY 23, 1946. Class 46.

424,716. ROOT BEER. DR. SWETT'S ROOT BEER CO., INC., New York, N. Y.

Filed August 2, 1945. Serial No. 486,610. PUBLISHED JULY 23, 1946. Class 45.

424,717. ANTIBIOTICS FOR THE TREATMENT OF THE THROAT AND ORAL CAVITY. AYERST, MCKENNA & HARRISON LIMITED, Montreal, Quebec, Canada, assignor to Ayerst, McKenna & Harrison Limited, New York, N. Y., a corporation of New York.

Filed August 24, 1945. Serial No. 487,496. PUBLISHED JULY 16, 1946. Class 6.

424,718. COTTON AND RAYON FABRICS IN THE PIECE. SEAGLOW FABRICS CORP., New York, N. Y.

Filed August 30, 1945. Serial No. 487,806. PUBLISHED JULY 23, 1946. Class 42.

424,719. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. B-1 SETZLER SODA WATER COMPANY, Kansas City, Mo.

Filed August 31, 1945. Serial No. 487,818. PUBLISHED JULY 23, 1946. Class 45.

424,720. BOBBY PINS, HAIRPINS, SACHET BAGS, COMBS, RIBBONS IN CUT LENGTHS, INCLUDING WRIST WATCH RIBBONS AND SHOULDER STRAP RIBBONS, RIBBON BOWS, ETC. REVOC, INC., New York, N. Y.

Filed September 12, 1945. Serial No. 488,375. PUBLISHED JULY 16, 1946. Class 40.

424,721. MEDICINAL PREPARATION USED FOR RHEUMATISM AND GOUT. ENDO PRODUCTS INC., New York, N. Y.

Filed September 27, 1945. Serial No. 489,060. PUBLISHED JULY 16, 1946. Class 6.

424,722. SOLUTIONS TO BE USED FOR CLEANING THE SURFACES OF ARTICLES, SUCH AS GLASS, BALL BEARINGS, LENSES, JEWEL BEARINGS, METALS, PLASTICS, CLOTHING, FABRICS, ETC. PASSAIC ANALYTICAL LABORATORIES, INC., Passaic, N. J.

Filed October 4, 1945. Serial No. 489,411. PUBLISHED JULY 23, 1946. Class 4.

424,723. PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF COUGHS, SPASMS OF ALL KINDS, PALPITATION, NERVOUS DYSPEPSIA, DISEASES OF THE NERVOUS SYSTEM, AND HYPERTENSION. SOCIETE DE FINANCEMENT INDUSTRIEL ET COMMERCIAL (SOCIÉTÉ ANONYME), Paris, France.

Filed October 4, 1945. Serial No. 489,421. PUBLISHED JULY 9, 1946. Class 6.

424,724. RAYON PIECE GOODS. LINCOLN FABRICS CO., New York, N. Y.

Filed October 6, 1945. Serial No. 489,519. PUBLISHED JULY 23, 1946. Class 42.

424,725. DISINFECTANT AND DEODORANT, HAVING INCIDENTAL CLEANING PROPERTIES. SANITARY SOAP CO., Paterson, N. J.

Filed October 6, 1945. Serial No. 489,533. PUBLISHED JULY 9, 1946. Class 6.

424,726. MEDICINAL PREPARATION FOR THE RELIEF OF GASTRIC HYPERACIDITY, COLITIS, AND KINDRED CONDITIONS. FALCON CHEMICAL CO., Pittsburgh, Pa.

Filed October 9, 1945. Serial No. 489,663. PUBLISHED JULY 16, 1946. Class 6.

424,727. PERFUMES AND TOILET WATERS. PARFUM L'ORLE, INC., New York, N. Y.

Filed October 10, 1945. Serial No. 489,755. PUBLISHED JULY 16, 1946. Class 6.

424,728. FRESH ROASTED PEANUTS IN THE SHELL. PACIFIC GAMBLE ROBINSON CO., Seattle, Wash.

Filed October 15, 1945. Serial No. 489,980. PUBLISHED JULY 9, 1946. Class 46.

424,729. INSECTICIDES. WILLIAM PETERMAN, INC., Newark, N. J.

Filed October 19, 1945. Serial No. 490,208. PUBLISHED JULY 16, 1946. Class 6.

424,730. INSECTICIDES. WILLIAM PETERMAN, INC., Newark, N. J.

Filed October 19, 1945. Serial No. 490,209. PUBLISHED JULY 16, 1946. Class 6.

424,731. VITAMIN PREPARATION. J. B. ROBBIG AND COMPANY, Chicago, Ill.

Filed October 29, 1945. Serial No. 490,701. PUBLISHED JULY 16, 1946. Class 6.

424,732. ANTISEPTIC MOUTH WASH AND GARGLE, TOOTH PASTE AND TOOTH POWDER. ELARS PRODUCTS, INC., Richmond, Va.

Filed November 1, 1945. Serial No. 490,882. PUBLISHED JULY 9, 1946. Class 6.

424,733. KNITTED RUGS. QUAKER MAID MILLS, Philadelphia, Pa.

Filed November 29, 1945. Serial No. 492,395. PUBLISHED JULY 23, 1946. Class 42.

424,734. CHEMICAL PLASTICIZER CONSISTING OF A CATALYTIC PEPTIZER TO PERMIT EASIER PROCESSING OF BOTH SYNTHETIC AND NATURAL RUBBER. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine.

Filed December 4, 1945. Serial No. 492,611. PUBLISHED JULY 9, 1946. Class 6.

424,735. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING SAME. CONCORDADE COMPANY, INC., Providence, R. I.

Filed December 6, 1945. Serial No. 492,762. PUBLISHED JULY 23, 1946. Class 45.

424,736. INSECTICIDES. AMOS R. BEAMON, doing business as Teknol Products Co., Los Angeles, Calif.

Filed December 8, 1945. Serial No. 492,890. PUBLISHED JULY 16, 1946. Class 6.

424,737. ANAESTHETIC COMPOUND. HENRY H. BEISNER, New York, N. Y.

Filed December 15, 1945. Serial No. 493,315. PUBLISHED JULY 16, 1946. Class 6.

424,738. COCONUT OIL FATTY ACID MONOESTER OF GLYCEROL AND FOR COCONUT OIL FATTY ACID MONOESTER OF PROPYLENE GLYCOL USED AS SOLVENTS, ETC. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.

Filed December 21, 1945. Serial No. 493,661. PUBLISHED JULY 9, 1946. Class 6.

424,739. STOCK POWDERS USED FOR HORSES, CATTLE, AND HOGS, TO RELIEVE CONSTIPATION AND EXCESS ACID, REMOVE WORMS, AND PURIFY THE BLOOD. JOEL E. LANKFORD, Suffolk, Va.
Filed December 22, 1945. Serial No. 493,783. PUBLISHED JULY 16, 1946. Class 6.

424,740. AQUEOUS SUSPENSION OF MICROCRYSTALLINE SULFATHIAZOLE FOR TOPICAL USE. HORTON & CONVERSE, Los Angeles, Calif.
Filed December 24, 1945. Serial No. 493,872. PUBLISHED JULY 9, 1946. Class 6.

424,741. DIALLYLBARBITURIC ACID, USED AS A MEDICINAL SEDATIVE. BUFFINGTON'S INC., Worcester, Mass.
Filed December 29, 1945. Serial No. 494,017. PUBLISHED MAY 14, 1946. Class 6.

424,742. DISPERSED SYNTHETIC RUBBER, USED FOR BACKFILLING CARPETS AND RUGS, WHERE IT ACTS AS A BINDER AND SEAL. HAAS-MILLER CORPORATION, Philadelphia, Pa.
Filed December 29, 1945. Serial No. 494,066. PUBLISHED JULY 9, 1946. Class 6.

424,743. BRANDY. ROUYER GUILLET & COMPANY LIMITED, London, England.
Filed January 2, 1946. Serial No. 494,203. PUBLISHED JULY 23, 1946. Class 49.

424,744. TOILET SOAP. EL PARAISO DE PURUA, FUENTES TERMALES, S. A., Mexico City, Mexico.
Filed January 8, 1946. Serial No. 494,431. PUBLISHED JULY 23, 1946. Class 4.

424,745. TOILET BEAUTY AND PERFUMERY ARTICLES—NAMELY, CREAM ROUGE, EYE SHADOW, ROUGE, CLEANSING CREAM, ETC. EL PARAISO DE PURUA, FUENTES TERMALES, S. A., Mexico City, Mexico.
Filed January 8, 1946. Serial No. 494,432. PUBLISHED JULY 9, 1946. Class 6.

424,746. TOILET BEAUTY AND PERFUMERY ARTICLES—NAMELY, CREAM ROUGE, EYE SHADOW, ROUGE, CLEANSING CREAM, ETC. EL PARAISO DE PURUA, FUENTES TERMALES, S. A., Mexico City, Mexico.
Filed January 8, 1946. Serial No. 494,435. PUBLISHED JULY 9, 1946. Class 6.

424,747. LINIMENT USEFUL IN THE TREATMENT OF RHEUMATISM. PAUL HRITZAY, Edinboro, Pa.
Filed January 8, 1946. Serial No. 494,449. PUBLISHED JULY 9, 1946. Class 6.

424,748. CHEMICAL SOLUTIONS FOR FACILITATING THE PROCESS OF DE-FLASKING AND FINISHING IN THE MANUFACTURE OF ARTIFICIAL DENTURES. THE AMALGAMATED DENTAL COMPANY, LIMITED, London, England.
Filed January 10, 1946. Serial No. 494,534. PUBLISHED JULY 9, 1946. Class 6.

424,749. LINIMENTS TO BE APPLIED EXTERNALLY FOR THE RELIEF OF MUSCULAR PAINS. PHILLIPS PHARMACEUTICAL PRODUCTS, INC., Darien, Conn.
Filed January 11, 1946. Serial No. 494,629. PUBLISHED JULY 9, 1946. Class 6.

424,750. LIPSTICK, PERFUME, BRILLIANTINE, HAND CREAM, AND FACE POWDER. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed January 12, 1946. Serial No. 494,657. PUBLISHED JULY 23, 1946. Class 6.

424,751. PHARMACEUTICAL PRODUCT USEFUL AS A BACTERICIDE AND AS AN ANTISEPTIC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed January 12, 1946. Serial No. 494,714. PUBLISHED JULY 23, 1946. Class 6.

424,752. PERFUMES, TOILET WATER, LIPSTICK, ROUGE, AND NAIL POLISH. AVON PRODUCTS, INC., New York, N. Y.
Filed January 15, 1946. Serial No. 494,780. PUBLISHED JULY 9, 1946. Class 6.

424,753. GENERAL HAIR TONIC AND SCALP AND SKIN CONDITIONER. RAMIRO SANCHEZ, doing business as Price Hill Laboratory, Cincinnati, Ohio.
Filed January 15, 1946. Serial No. 494,800. PUBLISHED JULY 9, 1946. Class 6.

424,754. LINIMENT FOR THE RELIEF OF MUSCULAR DISCOMFORT. WALTER KALIETA, doing business as Kalieta Manufacturing Co., New Brunswick, N. J.
Filed January 18, 1946. Serial No. 494,974. PUBLISHED JULY 23, 1946. Class 6.

424,755. PERFUMES, COLOGNES, PERFUMED POWDERS, AND HAND-SKIN CREAM-LOTIONS. CHARLES A. ROLLEY, doing business as Rolley Perfumes, San Francisco, Calif., assignor to Rolley, Inc., San Francisco, Calif., a corporation of California
Filed January 19, 1946. Serial No. 495,100. PUBLISHED JULY 16, 1946. Class 6.

424,756. MEDICINAL PREPARATION FOR THE TREATMENT OF VITAMIN DEFICIENCY. VITAL FOODS CORPORATION, Evanston, Ill.
Filed January 19, 1946. Serial No. 495,115. PUBLISHED JULY 16, 1946. Class 6.

424,757. RAYON PIECE GOODS. DUPLEX FABRICS CORPORATION, New York, N. Y.
Filed January 23, 1946. Serial No. 495,220. PUBLISHED JULY 23, 1946. Class 42.

424,758. LIPSTICKS. PRINCE MATCHABELLI, INC., New York, N. Y.
Filed January 23, 1946. Serial No. 495,249. PUBLISHED JULY 9, 1946. Class 6.

424,759. PERFUMES, TOILET WATER, LIPSTICKS, COLD CREAMS AND FACE LOTIONS, HAIR TONICS, BATH SALTS, AND BATH OILS. NARDAU, LIMITED, New York, N. Y.
Filed January 25, 1946. Serial No. 495,399. PUBLISHED JULY 9, 1946. Class 6.

424,760. READY-TO-WEAR COTTON DRESSES FOR THE USE OF WOMEN, MISSES, AND GIRLS. PRINCESS PEGGY, INC., Peoria, Ill.
Filed January 26, 1946. Serial No. 495,501. PUBLISHED JULY 23, 1946. Class 39.

424,761. COCOANUT OIL SHAMPOO. WESCO PRODUCTS, INC., Buffalo, N. Y.
Filed January 26, 1946. Serial No. 495,531. PUBLISHED JULY 23, 1946. Class 6.

424,762. MAGAZINES. THE SOBAL PUBLISHING CO. INC., New York, N. Y.
Filed February 1, 1946. Serial No. 495,838. PUBLISHED JULY 23, 1946. Class 38.

424,763. GENERAL PURPOSE CLEANING COMPOUND. TURCO PRODUCTS, INC., Los Angeles, Calif.
Filed February 2, 1946. Serial No. 495,917. PUBLISHED JULY 23, 1946. Class 4.

424,764. A MAGAZINE COLUMN PUBLISHED FROM TIME TO TIME. ELLEN PHYLLIS FLEMING, New York, N. Y.
Filed February 5, 1946. Serial No. 496,023. PUBLISHED JULY 23, 1946. Class 38.

424,765. PERFUMES. PUNCTUATION PERFUMES, INC., Bridgeport, Conn.
Filed February 5, 1946. Serial No. 496,042. PUBLISHED JULY 23, 1946. Class 6.

424,766. PERFUMES. PUNCTUATION PERFUMES, INC., Bridgeport, Conn.
Filed February 5, 1946. Serial No. 496,044. PUBLISHED JULY 23, 1946. Class 6.

424,767. PERFUMES. PUNCTUATION PERFUMES, INC., Bridgeport, Conn.
Filed February 5, 1946. Serial No. 496,046. PUBLISHED JULY 23, 1946. Class 6.

424,768. PERFUMES. PUNCTUATION PERFUMES, INC., Bridgeport, Conn.
Filed February 5, 1946. Serial No. 496,047. PUBLISHED JULY 23, 1946. Class 6.

424769. PERFUMES. PUNCTUATION PERFUMES, INC., Bridgeport, Conn.
Filed February 5, 1946. Serial No. 496,048. PUBLISHED JULY 23, 1946. Class 6.

424,770. MAGAZINE PUBLISHED PERIODICALLY. AVON-FASCINATION COMPANY, New York, N. Y.
Filed February 6, 1946. Serial No. 496,065. PUBLISHED JULY 23, 1946. Class 38.

424,771. CHEMICAL LIQUID RUST, SCALE, AND GREASE REMOVER AND WELDER FOR RADIATORS, MOTORS, AND COOLING SYSTEMS. ROBERT S. STEWART, doing business as Western Distributing Company, Kansas City, Mo.
Filed February 6, 1946. Serial No. 496,112. PUBLISHED JULY 16, 1946. Class 6.

424,772. WINDOW CURTAINS. BARTMANN & BIXER, INC., New York, N. Y.
Filed February 7, 1946. Serial No. 496,123. PUBLISHED JULY 23, 1946. Class 42.

424,773. WINDOW CURTAINS. BARTMANN & BIXER, INC., New York, N. Y.
Filed February 7, 1946. Serial No. 496,124. PUBLISHED JULY 23, 1946. Class 42.

424,774. PERFUME, TOILET WATER, SKIN LOTION, EAU VEGETAL, COLD CREAM, FACE POWDER, PERFUMED SACHETS IN POWDER FORM, ETC. PAQUIN, LIMITED, London, England.
Filed February 7, 1946. Serial No. 496,148. PUBLISHED JULY 23, 1946. Class 6.

424,775. PHOTOGRAPHIC CAMERAS. THE EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y.
Filed February 9, 1946. Serial No. 496,304. PUBLISHED JULY 23, 1946. Class 26.

424,776. MEN'S TOILETRIES—NAMELY, AFTER-SHAVE LOTION, EAU DE COLOGNE, AND SCALP STIMULANT. LENTHERIC, INCORPORATED, New York, N. Y.
Filed February 15, 1946. Serial No. 496,645. PUBLISHED JULY 16, 1946. Class 6.

424,777. HAIR LOTION AND HAIR TREATMENT SOLUTION FOR WAVING THE HAIR. ALTYME PRODUCTS, INC., New York, N. Y.
Filed February 19, 1946. Serial No. 496,883. PUBLISHED JULY 16, 1946. Class 6.

424,778. CHILDREN'S JODHPURS, JACKETS, VESTS, SHIRTS, FRONTIER PANTS, AND OVERALLS. JODKINS, INC., New York, N. Y.
Filed February 20, 1946. Serial No. 496,967. PUBLISHED JULY 23, 1946. Class 39.

424,779. TABLETS CONTAINING VITAMINS AND MINERALS. REINHOLD A. SMIDLER, doing business as The Energ-Ex Company, Chicago, Ill.
Filed February 20, 1946. Serial No. 496,993. PUBLISHED JULY 16, 1946. Class 6.

424,780. LIQUID COMPOUND FOR DISSOLVING ICE IN AUTOMOBILE GASOLINE TANKS AND CARBURETTORS. MAURICE CHASSÉ, doing business under the style of Gelex Products Co., Montreal, Quebec, Canada.
Filed February 21, 1946. Serial No. 497,015. PUBLISHED JULY 23, 1946. Class 6.

424,781. ROACH POWDERS AND OTHER INSECTICIDES. ANNA EDIN, doing business as Edin & Co., Minneapolis, Minn.
Filed February 21, 1946. Serial No. 497,018. PUBLISHED JULY 9, 1946. Class 6.

424,782. BRAND OF PROTEIN HYDROLYSATES PROVIDING AMINO ACIDS AND POLYPEPTIDES DERIVED FROM PROTEINS OF ANIMAL AND VEGETABLE SOURCES, ETC. U. S. VITAMIN CORPORATION, New York, N. Y.
Filed February 23, 1946. Serial No. 497,140. PUBLISHED JULY 16, 1946. Class 6.

424,783. MAGNESIUM ALUMINUM SILICATE GEL FOR COSMETIC AND INDUSTRIAL USE. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed February 23, 1946. Serial No. 497,149. PUBLISHED JULY 16, 1946. Class 6.

424,784. ORGANIC WETTING AGENTS. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed February 26, 1946. Serial No. 497,269. PUBLISHED JULY 23, 1946. Class 6.

424,785. ANTISERA. E. R. SQUIBB & SONS, New York, N. Y.
Filed February 28, 1946. Serial No. 497,424. PUBLISHED JULY 16, 1946. Class 6.

424,786. MEDICINAL PREPARATION FOR THE TREATMENT OF OVARIAN DISORDERS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed March 1, 1946. Serial No. 497,515. PUBLISHED JULY 9, 1946. Class 6.

424,787. CHILDREN'S AND MISSES' BLOUSES, DRESSES, JUMPERS, PINAFORES AND SLACKS. SALLY MASON, New York, N. Y.
Filed March 2, 1946. Serial No. 497,553. PUBLISHED JULY 23, 1946. Class 39.

424,788. PARENTERAL SOLUTION OF SULFONAMIDES. ALLIED LABORATORIES, INC., also doing business as Pitman-Moore Co., Indianapolis, Ind.
Filed March 6, 1946. Serial No. 497,689. PUBLISHED JULY 16, 1946. Class 6.

424,789. BABY AND HAND LOTION, PINE BUBBLE BATH, COLOGNE, TOILET WATER, FILLED POWDER MIT, DUSTING POWDER AND ANTISEPTIC OIL. BRITE STAR ASSOCIATES, INC., New York, N. Y.
Filed March 8, 1946. Serial No. 497,842. PUBLISHED JULY 23, 1946. Class 6.

424,790. SYNTHETIC DETERGENT CLEANER FOR DELICATE WASHABLE FABRICS. CARE LABORATORIES, INCORPORATED, Charlotte, N. C.
Filed March 13, 1946. Serial No. 498,112. PUBLISHED JULY 23, 1946. Class 4.

424,791. SYNTHETIC DETERGENT CLEANER FOR DELICATE WASHABLE FABRICS. CARE LABORATORIES, INCORPORATED, Charlotte, N. C.
Filed March 13, 1946. Serial No. 498,113. PUBLISHED JULY 23, 1946. Class 4.

424,792. ROUGE AND LIPSTICKS. PARK & TILFORD, New York, N. Y.
Filed March 13, 1946. Serial No. 498,168. PUBLISHED JULY 16, 1946. Class 6.

424,793. POWDERS FOR KILLING FLEAS, LICE, AND TICKS; POISONS FOR KILLING RODENTS, INSECTICIDES, AND A COMBINED INSECTICIDE AND SULPHUR DUST. J. A. STANLEY, doing business as Stanley Industries, Seattle, Wash.
Filed March 13, 1946. Serial No. 498,178. PUBLISHED JULY 16, 1946. Class 6.

424,794. LIVER, IRON, AND VITAMIN B-COMPLEX PREPARATION FOR THE TREATMENT OF ANEMIA AND VITAMIN DEFICIENCIES. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed March 14, 1946. Serial No. 498,263. PUBLISHED JULY 9, 1946. Class 6.

424,795. SUBMERSION ACTUATORS FOR ACTUATING VALVES FOR THE RELEASE OF GAS UNDER PRESSURE FROM CONTAINERS TO INFLATE BAGS WHICH FORM BUOYANT FLOATS FOR SUPPORTING DISABLED AIRCRAFT, SUCH DEVICES INCLUDING A CASING HAVING AN EXPANSIBLE MEDIUM WHICH IS EXPANDED WHEN THE CASING IS BROUGHT INTO CONTACT WITH A LIQUID, WHEREBY TO GENERATE PRESSURE TO ACTUATE THE RELEASE VALVES, ALSO ACTUATORS COMPRISING A PERFORATED CASING ENCLOSING ELECTRODES WHICH UPON CONTACT WITH WATER COMPLETES AN ELECTRIC ACTUATING CIRCUIT TO OPERATE ELECTRICALLY RELEASABLE VALVES, HEAT RESPONSIVE APPARATUS—NAMELY, FIXED TEMPERATURE THERMOSTATS; FUSIBLE LINK DETECTORS; AND RATE-OF-TEMPERATURE-RISE DETECTORS COMPRISING A SMALL METAL AIR CHAMBER, THE AIR IN WHICH EXPANDS UPON A SUDDEN CHANGE IN TEMPERATURE, EACH OF THESE DEVICES BEING CONNECTED TO RELEASE MECHANISM, WHEREBY UPON ACTUATION OF THE DEVICE, THE RELEASE MECHANISM IS OPERATED TO RELEASE A FIRE EXTINGUISHING MEDIUM, AND AUTOMATIC WEIGHT INDICATORS AND SCALES. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J.

Filed June 30, 1945. Serial No. 485,291. PUBLISHED JULY 23, 1946. Class 26.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

424,796. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) E. LEITZ, INC., New York, N. Y. Filed Feb. 2, 1944. Serial No. 467,097.

Leitz

FOR PHOTOGRAPHIC APPLIANCES AND SUPPLIES—NAMELY, MICROSCOPES, PROJECTORS, BINOCULARS, MICRO-PROJECTORS, PHOTOMICROGRAPHIC EQUIPMENT, MICRO METALLOGRAPHS, SPECTROSCOPES, COLORIMETERS, TITRATERS, CARBON METERS, MICROSCOPE HEATING STAGE AND MANIPULATORS, DILATOMETERS, MICROSCOPE LAMPS, X-RAY FILM PROJECTORS, PHOTOMETERS, DRAWING HEADS, DRAWING APPARATUS, OBJECT MARKERS, DEMONSTRATION EYEPIECES, COMPARISON EYEPIECES, MICROSCOPE ACCESSORIES, VERTICAL ILLUMINATORS, MAGNIFIERS, MICROMETER EYEPIECES, CAMERAS, LENSES, VIEW FINDERS, RANGE FINDERS, FILTERS, SUNSHADES, TIMING DEVICES, TRIPOD HEADS, SUPPLEMENTARY CAMERA ACCESSORIES INCLUDING A RAPID WINDER FOR THE SHUTTER OF THE CAMERA TO INCREASE THE SPEED OF TAKING PICTURES AND A GUN USED WITH LONG DISTANCE FOCUS LENSES; SUCH AS SPRING WINDERS, RAPID WINDERS, STEREO APPARATUSES, PHOTOFLASH UNITS, CARRYING AND PROTECTIVE CASES, DARKROOM SUPPLIES, DEVELOPING APPARATUSES, NEGATIVE VIEWERS, NEGATIVE FILE SYSTEMS COMPRISING METAL OR WOODEN BOXES WITH PARTITIONS FOR STORING THEREIN IN A SELECTED ORDER PHOTOGRAPHIC NEGATIVES; FILM AND SLIDE PRINTING APPARATUSES, MATERIAL FOR MOUNTING LANTERN SLIDES, COPY AND REPRODUCTION APPARATUSES, APPARATUSES FOR PHOTOMICROGRAPHY, ENLARGING APPARATUSES FOR COPYING MANUSCRIPTS, DOCUMENTS, BLUEPRINTS AND PICTURES WITH THE AID OF A CAMERA; INTERCHANGEABLE ACCESSORIES FOR ENLARGERS, ENLARGER EASELS, SPECIAL ACCESSORIES FOR ENLARGERS, PROJECTION APPARATUSES, PRISM BINOCULARS, AND RANGE FINDERS.

Claims use since Mar. 2, 1929.

424,797. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) E. LEITZ, INC., New York, N. Y. Filed Feb. 2, 1944. Serial No. 467,098.

E. LEITZ INC. NEW YORK

FOR PHOTOGRAPHIC APPLIANCES AND SUPPLIES—NAMELY, ORANGE FILTERS, VIEW FINDERS, EXPOSURE METERS, SUNSHADES, SPARE ROLL FILM MAGAZINES, TAKE-UP SPOOLS, MAGAZINE SPOOLS, DUST CAPS, LENS CAPS, SHOULDER STRAPS, CAMERA SLINGS, TRIPOD HEADS, CARRYING CASES, PHOTOFLASH UNITS, PROTECTIVE CASES, NEGATIVE VIEWERS, NEGATIVE FILE SYSTEMS COMPRISING METAL OR WOODEN BOXES WITH PARTITIONS FOR STORING THEREIN IN A SELECTED ORDER PHOTOGRAPHIC NEGATIVES, MATERIAL FOR MOUNTING LANTERN SLIDES, COPY AND REPRODUCTION APPARATUSES FOR COPYING MANUSCRIPTS, DOCUMENTS, BLUEPRINTS AND PICTURES WITH THE AID OF A CAMERA; SPECIAL ACCESSORIES FOR ENLARGERS, SPARE LAMPS FOR ENLARGERS, AND ACCESSORIES FOR USING PHOTOFLOOD LAMPS, AND PROJECTION APPARATUSES.

Claims use since Mar. 2, 1929.

424,798. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) E. LEITZ, INC., New York, N. Y. Filed Feb. 2, 1944. Serial No. 467,099.

E. LEITZ WETZLAR

FOR PHOTOGRAPHIC APPLIANCES AND SUPPLIES—NAMELY, CAMERAS, LENSES, ORANGE FILTERS AND CORRECTION LENSES FOR BUILT-IN RANGE FINDERS AND VIEW FINDERS, VIEW FINDERS, RANGE FINDERS, ORANGE FILTERS FOR ENLARGERS, SUNSHADES, SPARE ROLL FILM MAGAZINES, MAGAZINE SPOOLS, TAKE-UP SPOOLS, SPARE FILM HOLDERS, DUST CAPS, LENS CAPS, SPECIAL LENS OPENING COVERS, WIRE CABLE RELEASES, REMOTE RELEASES AND SHUTTER WINDERS, SHOULDER STRAPS, CAMERA SLINGS, TIMING DEVICES, TRIPOD HEADS, STEREO APPARATUSES, CARRYING AND PROTECTIVE CASES, NEGATIVE VIEWERS, NEGATIVE FILE SYSTEMS COMPRISING METAL OR WOODEN BOXES WITH PARTITIONS FOR STORING THEREIN IN A SELECTED ORDER PHOTOGRAPHIC NEGATIVES; FILM AND SLIDE PRINTING APPARATUSES, MATERIAL FOR MOUNTING LANTERN SLIDES, COPY AND REPRODUCTION APPARATUSES FOR COPYING MANUSCRIPTS, DOCUMENTS, BLUEPRINTS AND PICTURES WITH THE AID OF A CAMERA; APPARATUSES FOR PHOTOMICROGRAPHY, ENLARGING APPARATUSES, INTERCHANGEABLE ACCESSORIES FOR ENLARGERS, ENLARGER EASELS, DISTORTION ELIMINATING DEVICES, SPARE LAMPS FOR ENLARGERS AND ACCESSORIES FOR USING PHOTOFLOOD LAMPS, SPECIAL ACCESSORIES FOR ENLARGERS, PROJECTION APPARATUSES, PRISM BINOCULARS, RANGE FINDERS FOR SHOOTING AND SURVEYING INSTRUMENTS, OPTICAL SHORT DISTANCE FOCUSING DEVICES AND STEREO ATTACHMENTS FOR CAMERAS FOR OBTAINING STEREOSCOPIC PICTURES.

Claims use since Mar. 2, 1929.

424,799. (CLASS 37. PAPER AND STATIONERY.) JOS. LIPIC PEN COMPANY, St. Louis, Mo. Filed Dec. 4, 1944. Serial No. 477,201.

JOS. LIPIC PEN CO.



FOR PENCILS AND WRITING PENS.
Claims use since 1929.

424,800. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) COLUMBIA NAVAL STORES COMPANY, Savannah, Ga. Filed Feb. 6, 1945. Serial No. 479,466.

COLDRI

FOR GUM ROSIN.
Claims use since Jan. 1, 1945.

424,801. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOLF J. OVERHAMM, doing business as Parfums Adrian, New York, N. Y. Filed Feb. 17, 1945. Serial No. 479,945.

Gdrian

FOR COLOGNE ESSENCE AND PERFUME.
Claims use since Apr. 13, 1944.

424,802. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. SALSBURY'S LABORATORIES, Charles City, Iowa. Filed Mar. 30, 1945. Serial No. 481,556.

DR. SALSBURY'S

FOR ANTHELMINTICS, ANTIGENS, BACTERINS, CONDITIONERS, DISINFECTANTS, FUMIGANTS, HERBICIDES, INHALANTS, INSECTICIDES, OINTMENTS, RODENTICIDES, TONICS, VACCINES, AND PREPARATIONS FOR IRRIGATING AND WASHING EARS AND EXTERNAL MEMBRANES, FOR PREVENTING CANNIBALISM, FOR PREVENTING COCCIDIOSIS, AND FOR STIMULATING GROWTH, FOR TREATING POULTRY AND DOMESTIC ANIMALS AND FARM LIVE STOCK.

Claims use since 1924.

424,803. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. R. LOVELL, doing business as H. R. Lovell and Company, Greenville, Pa. Filed Apr. 11, 1945. Serial No. 482,000.

MOREHAIR

FOR HAIR TONIC.
Claims use since Nov. 20, 1923.

424,804. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SOL KOFFLER, doing business as American Luggage Works, Providence, R. I. Filed May 7, 1945. Serial No. 483,068.

Verylite

FOR HAND LUGGAGE—NAMELY, WEEK-END CASES, PULLMAN SUIT-CASES, PULLMAN WARDROBES, OVERNIGHT CASES, WARDROBE CASES, HAT BOXES, AND SHOE AND HAT CASES.

Claims use since 1936.

424,805. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PLANT PRODUCTS COMPANY, Blue Point, N. Y., assignor to Plant Products Corporation, Blue Point, N. Y., a corporation of New York. Filed May 25, 1945. Serial No. 483,786.

Seed-less-Set

FOR INSECTICIDES USED FOR SPRAYING PLANTS.
Claims use since Dec. 20, 1944.

424,806. (CLASS 39. CLOTHING.) KORET OF CALIFORNIA, INC., San Francisco, Calif. Filed June 4, 1945. Serial No. 484,135.

GIRDLSLAX

FOR GIRLS' AND WOMEN'S SLACKS.
Claims use since May 1, 1942.

424,807. (CLASS 37. PAPER AND STATIONERY.) SIDNEY J. BURGOYNE & SONS, Philadelphia, Pa. Filed June 11, 1945. Serial No. 484,389.

PETITE

FOR NOTE PAPER AND ENVELOPES.
Claims use since Sept. 16, 1943.

424,808. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUSE OF HOLLYWOOD, doing business as Sulfa-Aid Company, Los Angeles Calif. Filed June 11, 1945. Serial No. 484,402.

Sulfa-Aid

FOR CELLULOSE PREPARATION FOR THE TREATMENT OF BURNS, ABRASIONS, BRUISES, AND THE LIKE.
Claims use since Oct. 1, 1943.

424,809. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) PROTECTIVE COATINGS CORPORATION, Belleville, N. J. Filed June 20, 1945. Serial No. 484,799.

AQUASTOP

FOR WATER IMPERVIOUS TEXTILE FABRICS SOLD BY THE PIECE, YARD OR BOLT AND MADE OF COTTON, RAYON, SILK, WOOL, NYLON, GLASS, PROTEIN AND CELLULOSE DERIVATIVE FILAMENTS.
Claims use since Mar. 23, 1944.

424,810. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BERT LEVI, New York, N. Y. Filed July 13, 1945. Serial No. 485,783.

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The drawing is lined for shading only.
FOR COTTON AND RAYON PIECE GOODS.
Claims use since Apr. 12, 1943 on rayon piece goods, and June 1, 1945 on cotton piece goods.

424,811. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VITAMIN PRODUCTS COMPANY, Council Bluffs, Iowa. Filed July 18, 1945. Serial No. 485,973.

CHIX-AIDE

FOR HIGH VITAMIN CONCENTRATE TO BE ADDED TO POULTRY FOOD.
Claims use since Apr. 16, 1945.

424,812. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCCORMICK & CO., INCORPORATED, Baltimore, Md. Filed July 23, 1945. Serial No. 486,156.

TEA-PAKS

FOR TEA.
Claims use since July 15, 1932.

424,813. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MURRAY'S SUPERIOR PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 1, 1945. Serial No. 486,583.

Murray's
SOFTSHEEN

FOR PRESSING OIL FOR THE SCALP AND HAIR.
Claims use since January 1945.

424,814. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN BANDAGE CORPORATION, Chicago, Ill. Filed Aug. 6, 1945. Serial No. 486,731.

AMERICAINE

FOR PHARMACEUTICAL PREPARATIONS USEFUL, EXTERNALLY, IN THE CONTROL OF PAIN, ITCHING, ANTISEPTIC AND THERAPEUTIC TREATMENT OF INJURED, INFLAMED OR IRRITATED SKIN SURFACES.
Claims use since Aug. 1, 1945.

424,815. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUSE OF LONTAY, INC., New York, N. Y. Filed Aug. 7, 1945. Serial No. 486,858.

CHELSEA HOUSE

FOR HAIR WAVING PREPARATIONS AND HAIR LOTIONS.
Claims use since Aug. 2, 1945.

424,816. (CLASS 39. CLOTHING.) STERN MADE DRESS CO., INC., Boston, Mass. Filed Aug. 14, 1945. Serial No. 487,149.

Joan Hawthorne's
WORKSHOP

FOR MATERNITY DRESSES.
Claims use since Mar. 1, 1945.

424,817. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MURRAY FRANK & ASSOCIATES, Chicago, Ill. Filed Aug. 29, 1945. Serial No. 487,707.

Linda Lee

FOR VINEGAR HAIR RINSE.
Claims use since Jan. 1, 1944.

424,818. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MURRAY FRANK & ASSOCIATES, Chicago, Ill. Filed Aug. 29, 1945. Serial No. 487,709.

Gold Foam

FOR PHARMACEUTICAL PREPARATIONS, FOR USE IN SHAMPOOING THE HAIR.
Claims use since Jan. 1, 1944.

424,819. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LYDIA E. MEYER, doing business as L. E. Meyer, Fresno, Calif. Filed Sept. 11, 1945. Serial No. 488,276.

Kleen
ut
Keener

FOR LIQUID CLEANER FOR WALLS, FLOORS, FURNITURE, LINOLEUM, AND ALL KINDS OF PAINTED SURFACES.
Claims use since Aug. 25, 1945.

424,820. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GOLDEN ARROW TOILETRIES, New York, N. Y. Filed Oct. 19, 1945. Serial No. 490,187.

FOR MEN ONLY
Enamel Toothpaste

FOR TOOTHPASTE.
Claims use since Aug. 1, 1944.

424,821. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARBLEHEAD LIME COMPANY, Chicago, Ill. Filed Oct. 27, 1945. Serial No. 490,599.

FEEDERS CHOICE

FOR MINERAL SUPPLEMENT FOR LIVE STOCK AND POULTRY FEED.
Claims use since July 24, 1945.

424,822. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOMINION CHEMICAL CO., INC., New York, N. Y. Filed Nov. 24, 1945. Serial No. 492,131.

FLUEKLEEN

FOR CHEMICAL COMPOUND FOR USE IN THE REMOVAL OF SOOT.
Claims use since July 1936.

424,823. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL M. COHN, New York, N. Y. Filed Nov. 28, 1945. Serial No. 492,310.

MIRRO-TOP

FOR LIPSTICKS.
Claims use since Oct. 27, 1944.

424,824. (CLASS 37. PAPER AND STATIONERY.) SIMON ADHESIVE PRODUCTS CORP., New York, N. Y. Filed Dec. 5, 1945. Serial No. 492,743.

EZE-STIK

FOR LABELS AND TAGS WITH ADHESIVE BACKINGS WITH BLANK LINES TO BE FILLED IN.
Claims use since Feb. 3, 1945.

424,825. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) HUDSON VALLEY RUGS COMPANY, New York, N. Y. Filed Dec. 15, 1945. Serial No. 493,357.

TRED-EASY

FOR RUGS AND CARPETS.
Claims use since June 1944.

424,826. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed Dec. 20, 1945. Serial No. 493,593.

Modern Miss

FOR LADIES' AND CHILDREN'S HATS.
Claims use since Aug. 20, 1936.

424,827. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) CLARENCE W. PHILLIPS, doing business as Phillips Machine and Tool Co., Akron, Ohio. Filed Dec. 20, 1945. Serial No. 493,619.

FORM FITTING

FOR CIGARETTE CASES MADE OF STEEL, BRASS, COPPER, STAINLESS STEEL, NICKEL OR COMBINATIONS THEREOF.
Claims use since Dec. 1, 1943.

424,828. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDGAR M. BUTLER, doing business as Butler Engineering Company, New Orleans, La. Filed Dec. 26, 1945. Serial No. 493,882.

BUTLER
DeSLUDGER

FOR CHEMICAL PREPARATION FOR REMOVING SLUDGE FROM OIL.
Claims use since Oct. 20, 1944.

424,829. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ORR & SEMBOWER, INC., Reading, Pa. Filed Dec. 31, 1945. Serial No. 494,165.

POWER-PAK

FOR SOLID OR FLUID FUEL BURNING STEAM AND HOT WATER GENERATING UNITS, AND PARTS THEREOF, FOR USE IN VARIOUS INDUSTRIAL AND DOMESTIC INSTALLATIONS, AND COMPRISED OF A BOILER WITH OR WITHOUT FEEDING APPARATUS THEREFOR, AND WITH OR WITHOUT A BURNER.
Claims use since Oct. 14, 1940.

424,830. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ORR & SEMBOWER, INC., Reading, Pa. Filed Dec. 31, 1945. Serial No. 494,166.

Pressure-Pak

FOR SOLID OR FLUID FUEL BURNING STEAM AND HOT WATER GENERATING UNITS, AND PARTS THEREOF, FOR USE IN VARIOUS INDUSTRIAL AND DOMESTIC INSTALLATIONS, AND COMPRISED OF A BOILER WITH OR WITHOUT FEEDING APPARATUS THEREFOR, AND WITH OR WITHOUT A BURNER.
Claims use since May 25, 1940.

424,831. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) SOULES & SOULES, Los Angeles, Calif. Filed Jan. 12, 1946. Serial No. 494,716.

CALIFORNIA STYLE FABRICS

FOR TEXTILE FABRICS IN THE PIECE, OF WOOL, WORSTED, COTTON, RAYON, PROTEIN FIBRES, AND COMBINATIONS THEREOF.
Claims use since Jan. 6, 1942.

424,832. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) T. E. SLEDGE, doing business as T. E. Sledge, Laboratories, Texas City, Tex. Filed Jan. 16, 1946. Serial No. 494,869.

SLEDGE'S

FOR GERMICIDE FOR THE TREATMENT OF ATHLETE'S FOOT, RINGWORM, JOCKEY ITCH AND FUNGUS SKIN INFECTIONS.
Claims use since June 31, 1939.

424,833. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. KIP, ALDRICH & CO., Richmond Hill, N. Y. Filed Jan. 29, 1946. Serial No. 495,611.

KIP, ALDRICH & CO.

FOR MEDICINES, SALVES, AND PREPARATIONS FOR THE TREATMENT OF POISON-IVY, VITAMIN CAPSULES, ORAL AND VAGINAL DOUCHE, POWDERS AND SOLUTIONS, AND LAXATIVES.
Claims use since Dec. 15, 1942.

424,834. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PANCARA COMPANY, Chicago, Ill. Filed Feb. 1, 1946. Serial No. 495,815.

Pancara
MAKE-UP CREAM

FOR COSMETIC MAKE-UP REMOVER CREAM.
Claims use since March 1944.

424,835. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT H. BAIRD, doing business as Apothecary Associates, Chicago, Ill. Filed Feb. 9, 1946. Serial No. 496,296.

MENTONE

FOR CAPSULES CONTAINING VITAMIN B_1, VITAMIN B_2, HEMOGLOBIN, FERROUS CARBONATE, EXTRACT CASCARA SAGRADA, CALCIUM GLYCEROPHOSPHATE, FOR USE AS A TONIC.
Claims use since Jan. 12, 1944.

424,836. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RAY EWING COMPANY, South Pasadena, Calif. Filed Feb. 25, 1946. Serial No. 497,173.

QUALITY GOES IN A Ray Ewing PRODUCT BEFORE THE NAME GOES ON

FOR VITAMIN AND AMINO ACID SUPPLEMENT FOR POULTRY AND ANIMAL FEEDS.
Claims use since Jan. 1, 1945.

424,837. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) GALTER PRODUCTS CO., Chicago, Ill. Filed June 14, 1946. Serial No. 503,894.

Galter

FOR PYROPHORIC POCKET AND TABLE CIGAR AND CIGARETTE LIGHTERS.
Claims use since Jan. 10, 1944.

424,838. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT S. SCHER, doing business as Musleze Co., Baltimore, Md. Filed Aug. 9, 1946. Serial No. 507,148.

MUSLEZE

FOR RUB-DOWN AND EXTERNAL USE LIQUID FOR MUSCULAR ACHES AND PAINS, ATHLETE'S FOOT, ETC.
Claims use since June 1, 1925.

TRADE-MARK REGISTRATIONS RENEWED

27,043. **ALUMINOID.** WRITING-PENS. Registered Sept. 10, 1895. ABRAM L. SALOMON. Re-renewed Sept. 10, 1945, to A. L. Salomon & Co., Inc., New York, N. Y., a corporation of New York. Class 37.

28,884. **QUEEN ANNE.** LAMP BURNERS. Registered Sept. 15, 1896. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn., a corporation of Connecticut. Re-renewed Sept. 15, 1946. Class 34.

50,826. **"DIAMOND" AND DESIGN.** TOOLS FOR CLEANING STEAM-BOILERS. Registered Apr. 3, 1906. POWER SPECIALTY CO. Re-renewed Apr. 3, 1946, to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan. Class 23.

50,890. **REPRESENTATION OF THREE STACKED RIFLES.** CYCLES, MOTOR-CYCLES, AND PARTS THEREOF. Registered Apr. 3, 1906. THE BIRMINGHAM SMALL ARMS COMPANY LIMITED, Birmingham, England, a British company. Re-renewed Apr. 3, 1946. Class 19.

51,978. **REPRESENTATION OF A GIRL AND BOY ON A SEESAW.** CANDIES. Registered May 1, 1906. CHARLES E. UNDERWOOD. Re-renewed May 1, 1946, to Truman E. Talmage, Dayton, Ohio. Class 46.

52,316. **THE AMERICAN SCHOOL BOARD JOURNAL.** MONTHLY MAGAZINE. Registered May 8, 1906. WILLIAM GEORGE BRUCE, Milwaukee, Wis. Re-renewed May 8, 1946. Class 38.

52,652. **MARQUISE.** GLOVES. Registered May 15, 1906. ABRAHAM & STRAUS, Brooklyn, N. Y. Re-renewed May 15, 1946, to Abraham & Straus, Inc., New York, N. Y., a corporation of New York. Class 39.

52,982. **"MOLASSINE" AND DRAWING.** PREPARED FOOD AND COMPOUNDS FOR USE AS AND FOR ADMIXTURE WITH FOOD FOR STOCK. Registered May 22, 1906. THE MOLASSINE COMPANY, LD. Re-renewed May 22, 1946, to The Molassine Company, Limited, London, England, an incorporated company of Great Britain. Class 46.

53,041. **LANA.** SKIN-FOODS AND COMPLEXION CREAMS AND OINTMENTS. Registered May 22, 1906. GRAHAM BROS. & CO., Chicago, Ill. Re-renewed May 22, 1946, to The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio. Class 6.

53,360. **SUMP.** INVESTMENT AND IMPRESSION COMPOUNDS. Registered May 29, 1906. THE S. S. WHITE DENTAL MFG. CO., Philadelphia, Pa., Chicago, Ill., New York, Brooklyn, and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia. Re-renewed May 29, 1946, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 44.

53,361. **CAVITINE.** CAVITY-LININGS. Registered May 29, 1906. THE S. S. WHITE DENTAL MFG. CO., Philadelphia, Pa., Chicago, Ill., New York, Brooklyn, and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia. Re-renewed May 29, 1946, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 44.

53,387. **"LESTER" AND DESIGN.** UPRIGHT AND GRAND PIANOS. Registered June 5, 1906. LESTER PIANO COMPANY. Re-renewed June 5, 1946, to Lester Piano Manufacturing Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Class 36.

53,552. **"L. B."** UNDERWAISTS. Registered June 5, 1906. EDWARD H. HORWOOD, New York, N. Y. Re-renewed June 5, 1946, to E. H. Horwood & Co., Hoboken, N. J., a corporation of New Jersey. Class 39.

53,566. **VULCARBO.** ABRADING DISKS, WHEELS, AND POINTS. Registered June 5, 1906. THE S. S. WHITE DENTAL MFG. CO., Philadelphia, Pa., Chicago, Ill., New York, Brooklyn, and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia. Re-renewed June 5, 1946, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 44.

53,936. **"NATRONA" ETC. AND DESIGN.** BICARBONATE OF SODA. Registered June 12, 1906. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed June 12, 1946. Class 6.

54,358. **LITTLE SYSTEM.** MEDALS AND BADGES (JEWELRY). Registered June 26, 1906. CALVIN W. LITTLE. Re-renewed June 26, 1946, to Calvin W. Little, New York, N. Y., a partnership. Class 28.

54,765. **REPRESENTATION OF AN EAGLE ON A GLOBE.** STEEL AND IRON IN BAR, ROD, RAIL, SHEET AND WIRE. Registered June 26, 1906. SEEBOHM & DIECKSTAHL LD. Re-renewed June 26, 1946, to Arthur Balfour & Company, Limited, Sheffield, England, a corporation of the United Kingdom. Class 14.

55,232. **"OLD CONTINENTAL" AND DRAWING.** WHISKY. Registered Aug. 7, 1906. BERNHEIM DISTILLING CO. INC. Re-renewed Aug. 7, 1946, to Bernheim Distilling Company, Louisville, Ky., a corporation of Kentucky. Class 49.

55,653. **HUMPTY DUMPTY.** TOYS AND TOY-CIRCUS EQUIPMENT. Registered Aug. 21, 1906. THE A. SCHOENHUT COMPANY, Philadelphia, Pa. Re-renewed Aug. 21, 1946, to N. B. Delavan, doing business as The Delavan Company, Des Moines, Iowa. Class 22.

56,049. **GREENWICH CONCENTRATED LYE.** LYE. Registered Aug. 21, 1906. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Aug. 21, 1946. Class 6.

56,078. **LEWIS' LYE.** LYE. Registered Aug. 21, 1906. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Aug. 21, 1946. Class 6.

56,121. **"WOLF" AND DRAWING.** PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,122. **"ZEBRA" AND DRAWING.** PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,123. **ACME.** PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,594. **HYDRONE.** CHEMICAL COMPOUND FOR PRODUCING HYDROGEN. Registered Oct. 9, 1906. THE ROESSLER & HASSLACHER CHEMICAL CO., New York, N. Y. Re-renewed Oct. 9, 1946, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 6.

56,739. **BOSS.** CLOTHES-PINS. Registered Oct. 16, 1906. A. W. DODGE CLOTHESPIN MANUFACTURING COMPANY, Coudersport, Pa. Re-renewed Oct. 16, 1946, to The Wallace Corporation, St. Louis County, Mo., a corporation of Missouri. Class 24.

56,816. **VALVOLINE.** LUBRICATING-OILS. Registered Oct. 23, 1906. VALVOLINE OIL COMPANY, Edgewater, N. J., and New York, N. Y. Re-renewed Oct. 23, 1946, to Freedom-Valvoline Oil Company, Freedom, Pa., a corporation of New Jersey. Class 15.

57,309. **PEARL BORAX SOAP.** LAUNDRY AND POWDERED SOAP. Registered Nov. 13, 1906. CHAS. W. YOUNG & CO. Re-renewed Nov. 13, 1946, to G. B. Young, doing business as United States Soap Manufacturing, Philadelphia, Pa. Class 4.

177,229. **BI-OXYNE.** DENTIFRICES AND PRODUCTS USED FOR THE HYGIENE OF THE MOUTH. Registered Dec. 11, 1923. SOCIETE ANONYME DENTIFRICES DI-OXYNE, Paris, France, an organized company of France. Renewed Dec. 11, 1943. Class 6.

189,360. **NORTHWEST.** TRENCH EXCAVATORS, DRAG-LINE EXCAVATORS, HOISTING MACHINES, LOCOMOTIVE CRANES, SHOVELING MACHINES, AND POWER SHOVELS. Registered Sept. 16, 1924. NORTHWEST ENGINEERING COMPANY, Green Bay, Wis. Renewed Sept. 16, 1944, to Northwest Engineering Company, Chicago, Ill., a corporation of Delaware. Class 23.

203,677. **KEYPAKT.** KEY CASES. Registered Sept. 22, 1925. JACQUES KREISLER & CO., New York, N. Y. Renewed Sept. 22, 1945, to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J., a corporation of New Jersey. Class 3.

207,762. **FAMOUS 710 QUALITY.** HOSIERY. Registered Jan. 12, 1926. CONSOLIDATED GLOVE & HOSIERY CORP. Renewed Jan. 12, 1946, to Moss Stores, Inc., San Francisco, Calif., a corporation of Delaware. Class 39.

208,554. **INTER PLEX SUEDE FABRIC.** FABRIC GLOVES. Registered Feb. 2, 1926. WIMELBACHER & RICE. Renewed Feb. 2, 1946, to Wimelbacher & Rice, Inc., New York, N. Y., a corporation of New York. Class 39.

209,952. **KLEPALO.** CEREAL YEAST FOOD. Registered Mar. 2, 1926. MONARCH CHEMICAL COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Mar. 2, 1946. Class 46.

210,796. **ALCOLLOID.** METAL PRESERVATIVE. Registered Mar. 23, 1926. ADIRONDACK MINERAL CO., INC. Renewed Mar. 23, 1946, to Slack Chemical Co., Inc., Carthage, N. Y., a corporation of New York. Class 6.

210,832. **FORTMASON.** GOLF CLUBS, GOLF BAGS, GOLF BALLS, GOLF-BALL CLEANERS AND GOLF TEES, WATERMOUNTS SUCH AS SURF-RIDERS AND INFLATABLE SUPPORTS FOR BATHERS, AND CERTAIN OTHER NAMED SPORTING GOODS. Registered Mar. 23, 1926. FORTNUM & MASON LIMITED, London, England, an organized company of Great Britain. Renewed Mar. 23, 1946. Class 22.

211,014. **"CHOCOLAT-MENIER" AND DRAWING.** EATING AND COOKING CHOCOLATE. Registered Mar. 30, 1926. LA SOCIETE MENIER. Renewed Mar. 30, 1946, to Societe Menier, doing business as Chocolat-Menier, Paris, France, a partnership of France. Class 46.

211,576. **SNOFED.** FRESH APPLES. Registered Apr. 13, 1926. INDEPENDENT FRUIT SHIPPERS. Renewed Apr. 13, 1946, to J. B. Adams, Wenatchee, Wash. Class 46.

211,614. **TELEMAC.** WATERPROOF AND RAINPROOF COATS, CAPES AND OVERALLS. Registered Apr. 13, 1926. TELEMAC LIMITED, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed Apr. 13, 1946. Class 39.

212,149. **IMPERIAL.** GOLF BALLS. Registered Apr. 27, 1926. DAVEGA, INC. Renewed Apr. 27, 1946, to Davega Stores Corporation, New York, N. Y., a corporation of New York. Class 22.

212,170. **ELM FARM.** CANNED FRUITS AND VEGETABLES, CANNED FISH; PACKAGE CEREALS—NAMELY, BUCKWHEAT GROATS, AND BARLEY AND WHEAT CEREAL; COFFEE AND TEA, WHEAT AND PASTRY FLOUR, SPICES, EDIBLE VEGETABLE OILS, AND SALAD OILS, AND MATZO MEAL. Registered Apr. 27, 1926. M. WINER & CO. Renewed Apr. 27, 1946, to Elm Farm Foods Co., Boston, Mass., a corporation of Massachusetts. Class 46.

212,935. **IDEAL.** PAPER PRODUCTS—NAMELY, PAPER CUPS, PAPER FOOD RECEPTACLES, AND PAPER DISHES. Registered May 18, 1926. IDEAL CUP CORPORATION, Brooklyn, N. Y. Renewed May 18, 1946, to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware. Class 2.

213,124. **PLAN-A-DAY.** MEMORANDUM BOOKS, DIARIES, CALENDAR PADS, AND CALENDAR SHEETS. Registered May 18, 1926. BANKERS PRINTING COMPANY. Renewed May 18, 1946, to Banco Corporation, Ltd., San Francisco, Calif., a corporation of California. Class 37.

213,277. **TIP-TOP.** PAINT AND VARNISH REMOVER. Registered May 25, 1926. THE PAYSON VARNISH CO. Renewed May 25, 1946, to Payson Paint & Varnish Corporation, New York, N. Y., a corporation of New York. Class 16.

213,439. **BELNORD.** DRESS, NEGLIGEE, AND WORK SHIRTS. Registered May 25, 1926. I. JANOV & COMPANY, Hazleton, Pa. Renewed May 25, 1946, to Abeles Shirt Company, New York, N. Y., a partnership. Class 39.

213,598. **THE DRINKLESS PIPE.** PIPES. Registered June 1, 1926. REISS-PREMIER PIPE CO., New York, N. Y. Renewed June 1, 1946, to The Reiss-Premier Corporation, West New York, N. J., a corporation of New Jersey. Class 8.

213,639. **STELOS.** NEEDLES FOR REPAIR WORK (BY HAND). Registered June 1, 1926. THE STELOS COMPANY, INC. Renewed June 1, 1946, to The Stelos Company, Inc., Washington, D. C., a corporation of Delaware. Class 40.

213,750. **"HOFF'S" AND DESIGN.** LINIMENT. Registered June 1, 1926. HERBERT F. GOODRICH, doing business as Goodrich Drug Co., Anoka, Minn. Renewed June 1, 1946, to Iva E. Mayer, Minneapolis, Minn. Class 6.

214,267. **WOLVERINE.** NONALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK. Registered June 15, 1926. THE WOLVERINE BOTTLING WORKS. Renewed June 15, 1946, to Julius M. Singer, doing business as Wolverine Ginger Ale Company, Detroit, Mich. Class 45.

214,383. **KEEN BUILT.** WORK SHIRTS, PANTS, AND OVERALLS. Registered June 22, 1926. JOSEPH M. HAGGAR. Renewed June 22, 1946, to Haggar Company, Dallas, Tex., a corporation of Texas. Class 39.

214,588. **CRONITE.** METAL AND ALLOYS OF METAL. Registered June 29, 1926. THE CRONITE FOUNDRY COMPANY LIMITED. Renewed June 29, 1946, to The Cronite Foundry Company, Limited, London, England, an organized company of Great Britain. Class 14.

214,897. **"SUNLAN" ETC. AND DRAWING.** HATS AND CAPS FOR MEN AND BOYS. Registered July 6, 1926. NEW YORK HAT STORES, INC. Renewed July 6, 1946, to Consolidated Hat Stores, Ltd., Los Angeles, Calif., a corporation of California. Class 39.

215,238. **STROMBERG-CARLSON.** CERTAIN TELEPHONIC INSTRUMENTS AND APPARATUS AND RADIO APPARATUS, PARTS, AND APPURTENANCES. Registered July 13, 1926. STROMBERG-CARLSON TELEPHONE MFG. CO. Renewed July 13, 1946, to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York. Class 21.

215,435. **PENSAL CLEANS ALL.** GENERAL CLEANSING PREPARATION WITH WATER-SOFTENING PROPERTIES. Registered July 20, 1926. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 20, 1946. Class 4.

215,505. **"FIRST-AID".** SUPPORTS FOR THE ARCHES AND OTHER PARTS OF THE FEET. Registered July 20, 1926. ARROWSMITH MFG. CO., INC., New York, N. Y., a corporation of New York. Renewed July 20, 1946. Class 44.

215,569. **"SPEEDWAY".** STORAGE BATTERIES. Registered July 20, 1926. NATIONAL CLOAK & SUIT CO., New York, N. Y. Renewed July 20, 1946, to The Goodyear Tire & Rubber Company, Inc., Akron, Ohio, a corporation of Delaware. Class 21.

215,624. **MASTER METAL.** METALLIC ROOFING AND LAMINATED ROOFING HAVING A METALLIC EXTERIOR. Registered July 20, 1926. UNITED STATES FOIL CO., Louisville, Ky. Renewed July 20, 1946, to Reynolds Metals Company, Richmond, Va., a corporation of Delaware. Class 12.

215,786. **"KOMOL" AND DESIGN.** HAIR DYES AND LOTIONS. Registered July 27, 1926. OSCAR SUTTERLIN, Paris, France. Renewed July 27, 1946. Class 6.

216,025. **KLEN Z TUBE.** FLUSHING OIL FOR MOTORS. Registered Aug. 3, 1926. RICHFIELD OIL COMPANY. Renewed Aug. 3, 1946, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware. Class 15.

216,677. **TAMALPAIS.** MAILING ENVELOPES. Registered Aug. 17, 1926. FIELD-ERNST ENVELOPE COMPANY. Renewed Aug. 17, 1946, to Field-Ernst Envelope Company, San Francisco, Calif., a corporation of California. Class 37.

216,683. **"OLD MOTHER HUBBARD" AND DRAWING.** DOG FOODS. Registered Aug. 17, 1926. ALBERT P. HUBBARD, doing business as Old Mother Hubbard Dog Food Company. Renewed Aug. 17, 1946, to Old Mother Hubbard Dog Food Co., Inc., Gloucester, Mass., a corporation of Massachusetts. Class 46.

216,758. **F W L.** VIOLIN BOWS. Registered Aug. 17, 1926. THE FRED. GRETSCH MFG. CO., Brooklyn, N. Y., a corporation of New York. Renewed Aug. 17, 1946. Class 36.

217,086. **DUCO SHADE CLOTH.** SHADE CLOTH. Registered Aug. 24, 1926. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed Aug. 24, 1946. Class 42.

217,227. **REPRESENTATION OF TWO DIAMONDS.** GEARS INCLUDING AUTOMOBILE GEARS AND SHAFTING, TRANSMISSION GEARS, DIFFERENTIAL GEARS, PINIONS, REAR-AXLE GEARS AND SHAFTS. Registered Aug. 31, 1926. AUTOMOTIVE GEAR WORKS, INC., Richmond, Ind., a corporation of Delaware. Renewed Aug. 31, 1946. Class 23.

217,417. **PRO-PHY-LAC-TIC.** TRAVELING CASES. Registered Aug. 31, 1926. PRO-PHY-LAC-TIC BRUSH COMPANY. Renewed Aug. 31, 1946, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware. Class 3.

217,518. **REPRESENTATION OF A HAND SUPPORTING A FOOT.** SUPPORTS FOR THE ARCHES AND OTHER PARTS OF THE FEET. Registered Aug. 31, 1926. ARROWSMITH MFG. CO., INC., New York, N. Y., a corporation of New York. Renewed Aug. 31, 1946. Class 44.

217,695. **MONCEAU.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET, BRILLIANTINE, ROUGE, BATH SALTS, FACE CREAMS. Registered Sept. 7, 1926. LEON COHN, doing business as "Parfumerie Forest," Paris, France. Renewed Sept. 7, 1946, to Leon Cohn, New York, N. Y. Class 6.

217,703. **CARNATION.** INKED RIBBONS AND CARBON PAPERS. Registered Sept. 7, 1926. THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Renewed Sept. 7, 1946, to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York. Class 11.

217,973. **BERNIODIN.** OINTMENT FOR THE TREATMENT OF GOITER. Registered Sept. 14, 1926. BERNARD AUGUST RUEGNITZ, Dubuque, Iowa. Renewed Sept. 14, 1946. Class 6.

218,002. **BESPAKT.** CATCHUP, PICKLES, PICKLED ONIONS, OLIVES, CANNED FRUITS AND VEGETABLES, AND CANNED, FRESH, SMOKED, AND SALTED FISH. Registered Sept. 14, 1926. MID-CENTRAL FISH COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed Sept. 14, 1946. Class 46.

218,039. **MOTH-TOX.** INSECTICIDE. Registered Sept. 21, 1926. THE TOLEDO REX SPRAY COMPANY, assignor to Rex Research Corporation. Renewed Sept. 21, 1946, to Rex Research Corporation, Toledo, Ohio, a corporation of Delaware. Class 6.

218,162. **MELROSE BROADLOOM CARPET.** TEXTILE CARPETS. Registered Sept. 21, 1926. HARDWICK & MAGEE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Sept. 21, 1946. Class 42.

218,163. **REGO BROADLOOM CARPET.** TEXTILE CARPETS. Registered Sept. 21, 1926. HARDWICK & MAGEE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Sept. 21, 1946. Class 42.

218,214. **SUNTIME.** WATCHES. Registered Sept. 21, 1926. ALEX. SABIN & SONS, New York, N. Y., a firm. Renewed Sept. 21, 1946. Class 27.

218,481. **GALMOR.** WATCHES. Registered Sept. 28, 1926. ALEX. SABIN & SONS, New York, N. Y., a firm. Renewed Sept. 28, 1946. Class 27.

218,513. **"CHRISTMAS EVE" AND DRAWING.** CERTAIN NAMED FOOD PRODUCTS. Registered Sept. 28, 1926. HULMAN & COMPANY, Terre Haute, Ind., a corporation of Indiana. Renewed Sept. 28, 1946. Class 46.

218,518. **JEMCO.** SHEETS AND PILLOWCASES. Registered Sept. 28, 1926. JORDAN MARSH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed Sept. 28, 1946. Class 42.

218,591. **P.P.P.** MACHINERY PACKING. Registered Sept. 28, 1926. QUAKER CITY RUBBER COMPANY, Wissinoming, Philadelphia, Pa. Renewed Sept. 28, 1946, to Quaker Rubber Corporation, Philadelphia, Pa., a corporation of Pennsylvania. Class 35.

218,624. **"THE EXHIBITOR".** SEMIMONTHLY MAGAZINE. Registered Sept. 28, 1926. "THE EXHIBITOR." Renewed Sept. 28, 1946, to Jay Emanuel Publications, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Class 38.

218,706. **"OH FUDGE!"** FUDGE. Registered Oct. 5, 1926. PHOEBE PHELPS CARAMEL CO. Renewed Oct. 5, 1946, to Phoebe Phelps Caramel Company, Boston, Mass., a partnership. Class 46.

218,938. **DUCO WINDOW SHADES.** WINDOW SHADES. Registered Oct. 5, 1926. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed Oct. 5, 1946. Class 32.

219,072. **"DELTOX" ETC. AND DESIGN.** WOOL-FIBER AND FIBER RUGS AND MATTING. Registered Oct. 12, 1926. DELTOX RUG COMPANY, Oshkosh, Wis., a corporation of Wisconsin. Renewed Oct. 12, 1946. Class 42.

219,285. **"RED STAR" ETC. AND DESIGN.** FRESH BERRIES AND VEGETABLES. Registered Oct. 12, 1926. EASTERN SHORE OF VIRGINIA PRODUCE EXCHANGE, Onley, Va., a corporation of Virginia. Renewed Oct. 12, 1946. Class 46.

219,320. **BABY DAYS.** HOSIERY. Registered Oct. 19, 1926. RICHMOND WOLLSTEIN, Rome, Ga. Renewed Oct. 19, 1946. Class 39.

219,587. **"BELL BRAND" ETC. AND DESIGN.** SWEET AND IRISH POTATOES IN THEIR NATURAL STATE. Registered Oct. 19, 1926. EASTERN SHORE OF VIRGINIA PRODUCE EXCHANGE, Onley, Va., a corporation of Virginia. Renewed Oct. 19, 1946. Class 46.

219,964. **BEAUCAIRE.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET, BRILLIANTINE, ROUGE, BATH SALTS, FACE CREAMS. Registered Oct. 26, 1926. LEON COHN, doing business as Parfumerie Forest, Paris, France. Renewed Oct. 26, 1946, to Leon Cohn, New York, N. Y. Class 6.

219,998. **PEXCO.** LADIES FULL-FASHIONED HOSIERY. Registered Oct. 26, 1926. APEX HOSIERY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 26, 1946. Class 39.

220,072. **"AG BRAND" AND DESIGN.** COFFEE. Registered Nov. 2, 1926. ASSOCIATED GROCERS COMPANY, INC., St. Louis, Mo., a corporation of Missouri. Renewed Nov. 2, 1946. Class 46.

220,094. **LO-KO.** DRY CLEANER FOR GLOVES, RIBBONS, SILKS, SHOES, CLOTHING, LEATHER GOODS, AND THE LIKE. Registered Nov. 2, 1926. LOUIS G. KOHLBERG, doing business as Lo-Ko Chemical Company. Renewed Nov. 2, 1946, to Lottie E. Kohlberg, doing business as St. Louis Insecticide Co., St. Louis, Mo. Class 4.

220,178. **THE SAN FRANCISCO CALL AND POST.** DAILY NEWSPAPER. Registered Nov. 2, 1926. THE CALL PUBLISHING COMPANY. Renewed Nov. 2, 1946, to Hearst Publications, Incorporated, San Francisco, Calif., a corporation of California. Class 38.

220,434. **VIVA-TONAL.** RADIO RECEIVING, DETECTING AND TRANSMITTING SETS AND PARTS THEREOF; CRYSTAL RECEIVING SETS, REGENERATIVE RECEIVING SETS, ASSEMBLED RADIO AND AUDIO FREQUENCY AMPLIFYING UNITS, LOUD SPEAKERS, DETECTOR, AMPLIFIER, TRANSMITTING AND RECTIFYING VACUUM TUBES; VACUUM-TUBE SOCKETS, RADIO AND AUDIO FREQUENCY TRANSFORMERS, AND CERTAIN OTHER NAMED ELECTRICAL EQUIPMENT. Registered Nov. 9, 1926. COLUMBIA PHONOGRAPH COMPANY, INC. Renewed Nov. 9, 1946, to Columbia Recording Corporation, Bridgeport, Conn., a corporation of Delaware. Class 21.

220,463. **MAPLE WREATH.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 9, 1926. LINDSAY DISTRICT ORANGE COMPANY, Lindsay, Calif., a corporation of California. Renewed Nov. 9, 1946. Class 46.

220,627. **"FIRST NATIONAL LABORATORIES" AND DESIGN.** AROMATIC SPIRITS OF AMMONIA; BALSAM DE MALTHA; BAY RUM; CASTOR OIL; CAMPHOR SPIRITS; CAMPHORATED OIL; COLD CREAM; GLYCERIN; HAIR POMADE; IODINE TINCTURE; NITER SWEET SPIRITS; PEPPERMINT SPIRITS; PEROXIDE OF HYDROGEN; PETROLEUM JELLY; TURPENTINE SPIRITS; WITCH HAZEL; AND DISINFECTANT AND ANTISEPTIC, AND SWEET OIL. Registered Nov. 16, 1926. FIRST NATIONAL LABORATORIES, INC., Lehighton, Pa., a corporation of Pennsylvania. Renewed Nov. 16, 1946. Class 6.

220,660. **WIRELESS.** FRESH CITROUS FRUITS—NAMELY, LEMONS, ORANGES, GRAPEFRUIT. Registered Nov. 16, 1926. LEMON GROVE FRUIT GROWERS ASSOCIATION. Renewed Nov. 16, 1946, to Lemon Grove Citrus Association, Lemon Grove, Calif., a corporation of California. Class 46.

220,736. **PROTEX.** WRAPPING PAPERS. Registered Nov. 16, 1926. NATIONAL PAPER COMPANY, Atlanta, Ga., a corporation of Georgia. Renewed Nov. 16, 1946. Class 37.

220,740. **"SOLDER SEAL" ETC. AND DESIGN.** COMPOSITION FOR STOPPING LEAKS IN ALL HOT-WATER CIRCULATING SYSTEMS, SUCH AS AUTOMOBILE RADIATORS, BOILERS, STEAM AND HOT-WATER PIPING, STEAM AND HOT-WATER RADIATORS, CYLINDER BLOCKS, AND PUMPS. Registered Nov. 16, 1926. RADIATOR SPECIALTY COMPANY. Renewed Nov. 16, 1946, to Radiator Specialty Company, Charlotte, N. C., a corporation of North Carolina. Class 6.

220,920. **HOW'S THIS.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPE FRUIT. Registered Nov. 16, 1926. LINDSAY DISTRICT ORANGE COMPANY, Lindsay, Calif., a corporation of California. Renewed Nov. 16, 1946. Class 46.

PLANT PATENTS

GRANTED OCTOBER 22, 1946

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

713

ROSE PLANT

Herbert C. Swim, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California

Application December 27, 1945, Serial No. 637,397

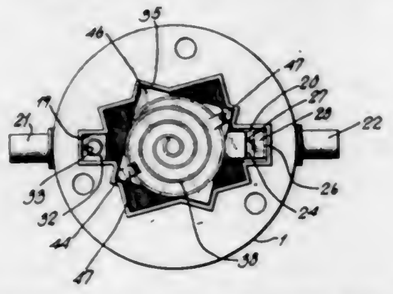
1 Claim. (Cl. 47—61)

A new and distinct variety of Rose plant, characterized as to novelty by the color of its flowers; the slender form of its buds; the number of petals and petaloids; the lasting quality of the flowers; their mild fragrance; the resistance of its foliage to Orange Rose rust; and its habit of producing more than one bloom per stem in the early part of its blooming season and a single bloom to a stem during the late blooming period, substantially as shown and described.

PATENTS

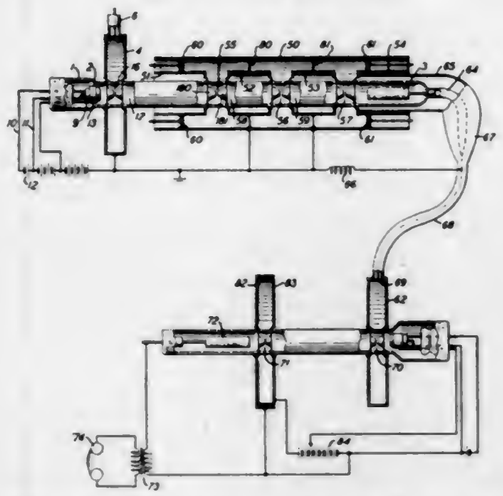
GRANTED OCTOBER 22, 1946

2,409,607
MULTIPLE CRYSTAL HOLDER
Henry M. Bach, Lawrence, N. Y., assignor to Premier Crystal Laboratories, Inc., New York, N. Y., a corporation of New York
Application October 15, 1943, Serial No. 506,303
6 Claims. (Cl. 171—327)



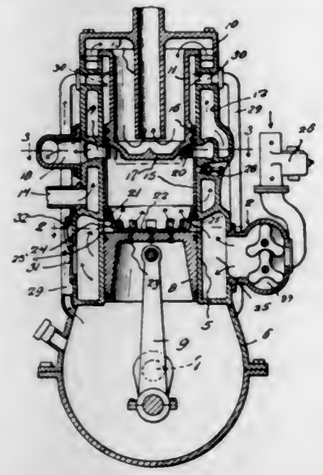
3. A holder for polygonal piezo crystals comprising a member having side walls defining a crystal receiving cavity adapted to receive a crystal of one size with substantial surface abutment of the crystal edges, said side walls being recessed to receive the corners of a crystal of another size with substantial surface abutment of the crystal edges adjacent said corners.

2,409,608
ULTRA HIGH FREQUENCY DETECTOR
Alva Eugene Anderson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 24, 1941, Serial No. 412,065
1 Claim. (Cl. 250—20)



A modulating system comprising an electron beam-type tube, a plurality of resonating chambers arranged in succession along the path of the electron beam, one of said resonating chambers having two electron permeable electrode portions in opposite walls, in alignment with the electron beam to permit the beam to traverse said resonating chamber, another of said resonating chambers being located beyond said first-mentioned resonating chamber and enclosing a drift tube and having two electron permeable electrode portions in opposite walls, said electrode portions and the axis of said drift tube being in alignment with the electron beam, said second-mentioned resonating chamber being resonant at a frequency different from the resonant frequency of the first-mentioned resonating chamber, a source of electro-magnetic waves coupled to said first-mentioned resonating chamber to excite forced oscillations therein and to impress an electron velocity variation upon the electron beam at the frequency of said forced oscillations as the beam traverses the resonating chamber, a substantially field-free drift space between said first and second-mentioned resonating chambers for converting the said velocity variation of the electron beam into a corresponding electron density variation, means including the said electron permeable electrode portions of said second-mentioned resonating chamber and the said drift tube enclosed within said resonating chamber for generating self-oscillations in said second mentioned resonating chamber and for impressing upon the said density varied electron beam at a point ahead of said enclosed drift tube, a second velocity variation at the frequency of said self-oscillations and means including the said enclosed drift tube for converting the compound variation of the electron beam so produced into a second electron density variation comprising an intermodulation of said forced oscillations and said self-oscillations.

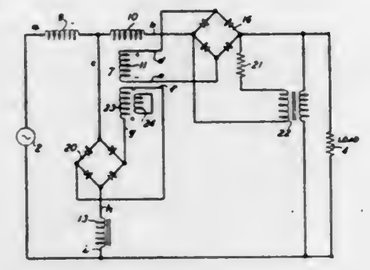
2,409,609
INTERNAL-COMBUSTION ENGINE
Ted R. Anderson, Puunene, Maui, Territory of Hawaii
Application June 9, 1944, Serial No. 539,438
2 Claims. (Cl. 123—65)



1. An internal combustion engine comprising a cylinder, a head closing the top of the cylinder, a chamber carried by the head and projecting downwardly into the top of the cylinder in spaced relation from the walls thereof, a tube adapted for connection to a water circulating system and extending downwardly through the head to a point adjacent the bottom of the chamber, a water jacket surrounding the upper portion of the cylinder and communicating with the chamber, a piston working in the lower portion of the cylinder, said cylinder having inlet and exhaust ports, and a sleeve working between the walls of the cylinder and chamber and connected to the piston for movement therewith, said sleeve

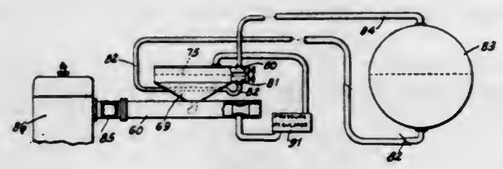
having inlet and exhaust openings adapted to register with the inlet and discharge ports respectively of the cylinder during predetermined movements of the piston.

2,409,610
VOLTAGE REGULATION
William H. Bixby, Detroit, Mich., assignor to Donald R. Middleton and Stanley M. Hanley, doing business as Power Equipment Company, Detroit, Mich., a copartnership
Application January 31, 1945, Serial No. 575,462
4 Claims. (Cl. 171—119)



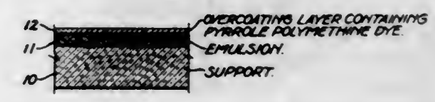
1. Means for controlling the current supplied to a load from an alternating current source to minimize load voltage changes due to voltage changes of said source comprising a first reactor having a first winding through which current from said source is supplied to the load and having a magnetic circuit for said winding, a current path comprising a rectifier and a second reactor, means for supplying current from said source to said path, said second reactor operating in a saturated region of its magnetizing characteristic so that the rate of change of current in said path with respect to the voltage of said source is high, said first reactor having a second winding, and means for controlling the impedance of the first winding of said first reactor comprising means for supplying rectified current from said rectifier to the second winding of said first reactor.

2,409,611
CHARGE FORMING METHOD AND APPARATUS FOR INTERNAL-COMBUSTION ENGINES
Albert G. Bodine, Los Angeles, Calif.
Application October 17, 1939, Serial No. 299,830
17 Claims. (Cl. 123—121)

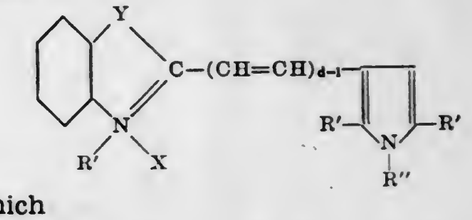


1. In a device for introducing high vapor pressure fuel into an air passage of an internal combustion engine, the combination of: a fuel metering means; means for supplying liquid fuel under liquefying pressure to said metering means; and means for at least partially vaporizing the metered fuel in the absence of air and in heat interchange relationship with the liquid fuel being supplied to said metering means, whereby the high vapor pressure fuel is cooled ahead of said metering means to insure its complete liquidity when reaching said metering means.

2,409,612
PYRROLE DYES
Leslie G. S. Brooker and Robert H. Sprague, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 15, 1941, Serial No. 407,033
In Great Britain February 17, 1939
5 Claims. (Cl. 260—240)



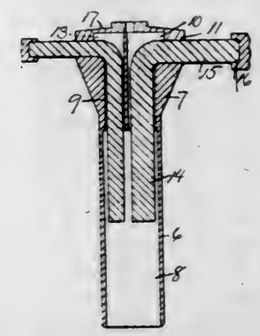
1. A compound having the following general formula:



in which

R′=alkyl
R″=a substituent selected from the group consisting of hydrogen, alkyl and aryl
X=an acid radical
Y=a substituent selected from the group consisting of O, S, and —CH=CH—
d=a positive integer of from 2 to 3.

2,409,613
WRENCH HOLDER
Walter C. Brooks, Wethersfield, Conn.
Application January 15, 1945, Serial No. 572,856
7 Claims. (Cl. 306—32)



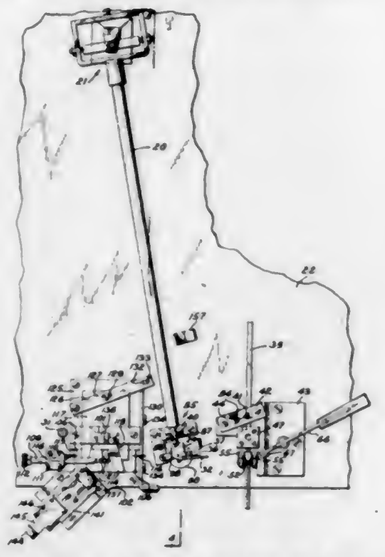
1. A wrench holder comprising a hollow handle, a head formed on the end of the handle, circumferentially spaced holes of different diameters extending downwardly through said head into the handle to receive the handles of angularly shaped wrenches of corresponding diameters, notches formed on the end of said head and intersecting said holes to receive the working ends of said wrenches, a cap to close said notches and holes, and means for securing the cap in place to the head.

2,409,614
REFINING SULFATE TURPENTINE
Robert Albert Collins, Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 15, 1942, Serial No. 426,883
8 Claims. (Cl. 260—675.5)

2. A process which comprises heating a composition consisting of topped sulfate turpentine

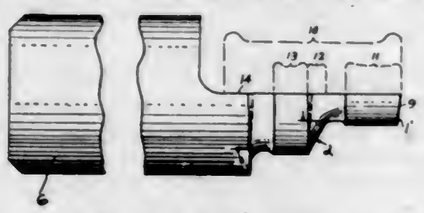
in liquid phase and contaminated with odor-imparting impurities at a temperature between about 60° C. and about 156° C. for about two to about twenty hours while simultaneously passing air through said composition, until the odor of said composition has been improved.

2,409,615
METHOD OF AND APPARATUS FOR SOLDERING
Thomas A. Daniel, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1943, Serial No. 502,628
10 Claims. (Cl. 29—33)



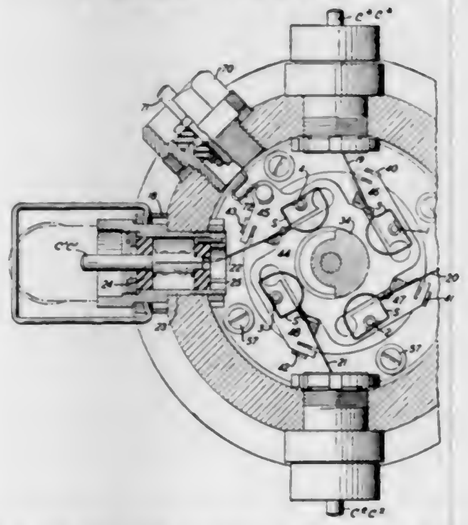
1. An apparatus for soldering a lead wire to a crystal comprising a head for guiding and supplying a wire, means for carrying said head in a predetermined path, a punch and die assembly located in said path for punching a pellet of solder from a strip, means for positioning said head and lead wire in the path of the pellet being punched for impaling the solder on the end of said wire held in said head, a fluxing means located in said path for applying a predetermined amount of flux to the end of said wire extending from said head, means movable into said path for forming the pellet impaled on the end of said wire and for causing it to fuse to said wire, and means for heating said solder while in contact with said crystal in said predetermined path to fuse said wire and to attach the wire to said crystal.

2,409,616
UNITARY BORING AND COUNTERSINKING TOOL
Milton H. de Bruin, Washington, D. C., and Ernest F. Fiock, Chevy Chase, Md.
Application August 15, 1944, Serial No. 549,600
9 Claims. (Cl. 77—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



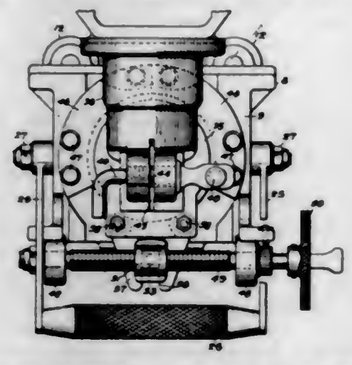
2. A unitary boring and countersinking tool comprising a cylindrical shank having a concentric semi-cylindrical cutting portion comprised of two or more stepped sections joined by semi-conical step sections having a narrow annular relief groove between the smaller section and the conical sections, the edges on one side of the cutting portion and the edge at the outer end of the smallest section forming a continuous cutting edge, the edges on the opposite side of the cutting portion being rounded off and the outer end of the smallest section being relieved away from the cutting edge.

2,409,617
SIGNAL DISTRIBUTOR
Stanley J. Elliott, Forest Hills, N. Y., Ole M. Hovgaard, Murray Hill, N. J., and Rudolph F. Mallina, Hastings-on-Hudson, and Frank M. Thomas, Jackson Heights, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 18, 1942, Serial No. 451,506
6 Claims. (Cl. 200—30)



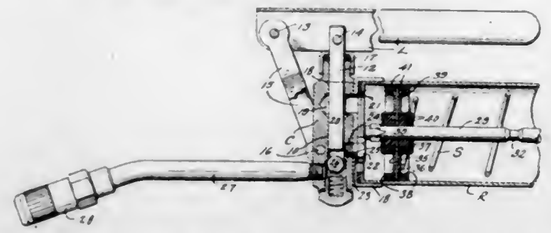
1. In a signal distributor, a series of stationary contacts, a series of movable contacts engaging said stationary contacts, each of said movable contacts being in the form of a resilient spring anchored at one end and having its free end looped back on itself and anchored to the body portion of the spring and a contact actuating member adapted to engage said loops in succession to force them out of contact with the respective stationary contacts.

2,409,618
GUN MOUNT
Harold W. Evans, Wilkes-Barre, Pa.
Application December 13, 1940, Serial No. 370,026
2 Claims. (Cl. 89—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



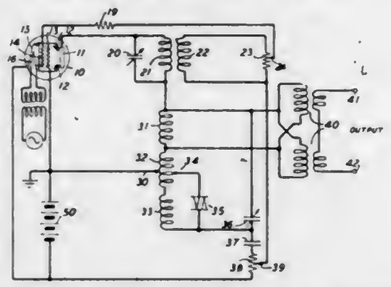
1. In a gun mount, a support, a gun-carrying member journaled on the support, a plate fixed to said member and having a slot, a screw shaft mounted in the support, a nut on the screw shaft having a projecting stud disposed in the slot of the plate, and a washer between the nut and plate and having a block journaled on the stud and riding in the slot of the plate.

2,409,619
LEVER GUN
Clifford E. Fitch, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Original application October 19, 1942, Serial No. 462,597. Divided and this application September 21, 1943, Serial No. 503,191
4 Claims. (Cl. 222—256)



3. In a grease gun, a reservoir cylinder, a follower in said cylinder comprising a pair of sheet metal disks having opposed offset peripheral flanges around their marginal edges, packing rings received in said flanges only, and a flat disk between said packing rings, said flat disk contacting with said pair of discs inwardly of said marginal edges and separating said rings from each other.

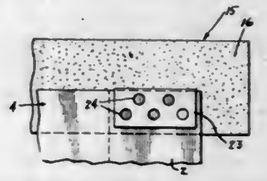
2,409,620
OSCILLATION GENERATOR
Walter W. Fritschi, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 427,131
7 Claims. (Cl. 250—36)



1. A signaling current generator comprising a single thermionic tube, two tuned circuits in the anode-cathode circuit of said tube, one of said tuned circuits resonant at a desired signaling frequency, the other of said tuned circuits resonant at a desired lower frequency, feedback connections from said tuned circuits to the control grid of said tube, and means controlling the relative amplitude of the feedback from said tuned circuits to effect a periodic interruption of the oscillations of said signaling frequency at said lower frequency.

2,409,621
METHOD OF CLOSING BAG TUBE ENDS
William J. Geimer and Frank R. Li..da, Minneapolis, Minn., assignors to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Missouri
Application July 27, 1942, Serial No. 452,411
6 Claims. (Cl. 93—35)

1. The method of closing and sealing the open top of a bag of the intucked type, which consists in securing anchor elements to certain wall portions at the sides of the bag top, which anchor elements have ends projecting above the upper edges of the bag top walls, intucking the edge walls of the bag top between the side walls thereof, pressing all of said walls into flatwise



relation, bending the projecting ends of said anchor elements over and against certain of the bag top walls, and folding a strip of tape over the flattened end of the bag top and adhering it to the outer surfaces of opposed walls, thereby to seal the bag top.

2,409,622
BABY CHAIR
Louis Gottfried, Bronx, N. Y.
Application July 17, 1941, Serial No. 402,741
4 Claims. (Cl. 155—188)

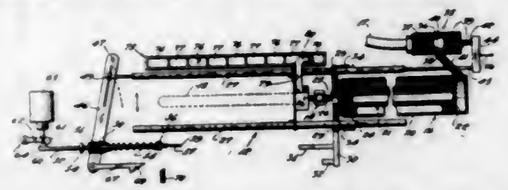


2. In a baby chair, an upper seat structure and a lower supporting structure, comprising at least three legs forming a supporting base, base expanding means for said supporting base comprising a plurality of arms pivoted upon said supporting structure, a plurality of levers pivoted upon said supporting structure, each of said levers positioned above and cooperating with one of said arms, and a plurality of links, one link pivotally connected to each of said arms and to one of said cooperating levers, said arms adapted to be shifted independently of each other from inoperative to operative position in a lateral direction outside of said supporting base and again to inoperative position by drawing up said arms independently adjacent to said supporting structure and means for securing each of said arms in its extended position.

2,409,623
GUN CHARGER
Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application November 14, 1941, Serial No. 419,053
8 Claims. (Cl. 89—1)

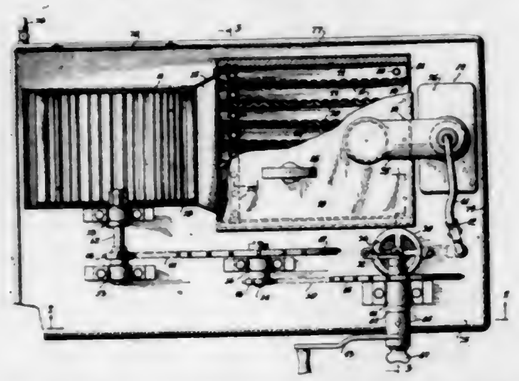
1. In a gun charger for a machine gun having a reciprocating member, the combination with said reciprocating member of a normally inactive recharging mechanism for operating the reciprocating member, an electrical control device constructed and arranged to be actuated by a current pulse of a predetermined minimum time interval for rendering said recharging mechanism

operative, an energizing circuit for said control device, and current pulsing means in said circuit adapted to be driven by said reciprocating member, said pulsing means being constructed and arranged to successively energize said control de-



vice for intervals less than said minimum time interval during the normal operation of said reciprocating member and to energize said control device for said time interval for rendering said recharging mechanism operative upon failure of normal operation of said reciprocating member.

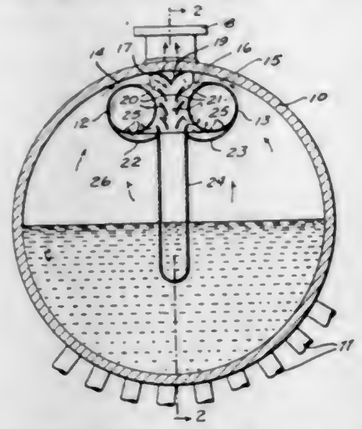
2,409,624
APPARATUS FOR EXTRACTING WATER FROM ATMOSPHERIC AIR
Bernard Granville, Los Angeles, Calif.
Application July 20, 1943, Serial No. 495,452
6 Claims. (Cl. 62—140)



6. Apparatus for extracting water from atmospheric air, comprising in combination a closed tank for containing water, means providing a plurality of air flow passages extending through said tank having walls of heat-conducting material, refrigerating means for cooling the water in said tank to a temperature below the dew point temperature of the surrounding atmosphere, said refrigerating means including a vacuum pump to reduce the pressure above the water in said tank and thereby cause part of said water to vaporize with abstraction of heat from the remainder thereof, a blower for passing air from the surrounding atmosphere through said air passages and driving connections for operating the pump and the blower whereby the pump and the blower may be operated together or either one alone.

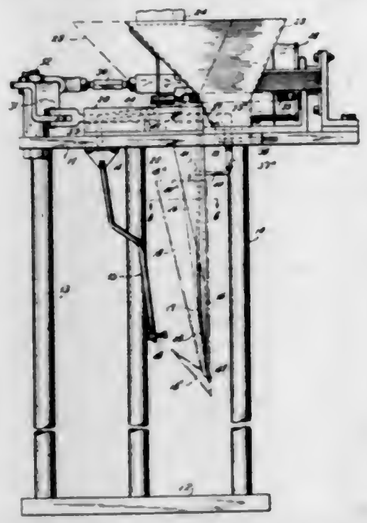
2,409,625
SEPARATOR
Robert W. Haase, Westfield, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application November 26, 1942, Serial No. 467,071
10 Claims. (Cl. 183—83)

1. Apparatus for the separation of substances of different specific gravity from mixtures thereof, comprising means forming an enclosure into which a mixture of said substances is delivered, a plurality of tubular members in the enclosure disposed adjacent each other in spaced relationship and adjacent a wall of the enclosure and providing therewith a plurality of passages through which said mixture flows, baffle means secured to the wall of the enclosure and extending toward the space between the tubular members for directing the mixture flowing from said passages into said space, a plurality of substantially vertical rows of spaced baffles positioned in said space in the path of flow of the mixture directed into the space by said baffle means, each row being disposed adjacent a tubular member and spaced from another row, said mixture impinging against said baffle means and



said baffle thereby separating the substances of lighter and heavier specific gravity, each tubular member having a plurality of apertures in the portion thereof remote from said wall and said rows of baffles, baffle means secured to each tubular member adjacent the apertured portion and extending in spaced relationship with said apertured portion for directing the separated substance of lighter specific gravity into said apertures, and a drain trough secured to the last mentioned baffle means.

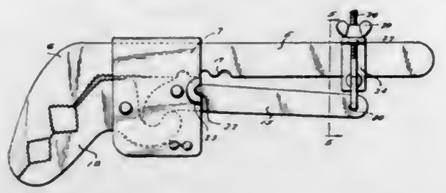
2,409,626
BAG OPENING AND FILLING APPARATUS
Michael J. Harrington, Cleveland, Ohio, and Samuel E. Hammer, Eagleville, Pa.
Application June 11, 1943, Serial No. 490,418
12 Claims. (Cl. 226—59)



1. In apparatus of the character described, a pair of adjacent substantially coextending generally flat members adapted to be inserted into a bag by relative telescopic movement between said members and bag, and means for imparting substantially parallel movement to one of said members to cause opening of the bag by spreading the walls thereof, one of said members

having an opening therein adjacent its lower end and the lower end of said other member being curved toward said one member and adapted to extend into said opening when said members are in their bag-receiving position.

2,409,627
WRENCH
Sten Helgeson, Renville, Minn.
Application April 14, 1944, Serial No. 531,023
1 Claim. (Cl. 81—78)



A wrench comprising a handle having a fixed jaw at one end thereof, a slide carried by the handle, a movable jaw pivoted on the slide and having a rearwardly extending arm, a spring carried by the slide and engaging one edge of the arm to urge the movable jaw into its open position, and a handle pivoted on the slide and having its front end engaging the opposite edge of the arm to actuate the movable jaw into its closed position, and a locking device carried by the fixed handle and engageable with the pivoted handle to secure the latter against movement, said locking device comprising a U-shaped bracket slidably mounted on the fixed handle, a lateral shoulder thereon having an opening, a screw slidably mounted in the opening and having one end connected to said pivoted handle, and a nut threaded on the screw against the shoulder and adapted to secure the pivoted handle against movement in a direction which would permit opening of the movable jaw.

2,409,628
MANUFACTURE OF COATED BOARD
Clark C. Heritage, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
No Drawing. Application September 9, 1939, Serial No. 294,214
16 Claims. (Cl. 92—40)

4. The method of making a coated water-resistant rigid porous structural vegetable fiber board which comprises forming a water slurry of wet vegetable fibers carrying a water-proofing agent deposited therein, forming said slurry in a wet structural-board-making mat, coating said wet mat with a composition having sufficient pigment to hide the surface fibers and having also an aqueous vehicle in which is carried a binder capable of binding the pigment to the fiber and to itself upon loss of the vehicular water, and drying the mat and the coat thereon simultaneously in an atmosphere capable of boiling water from the mat to form the board.

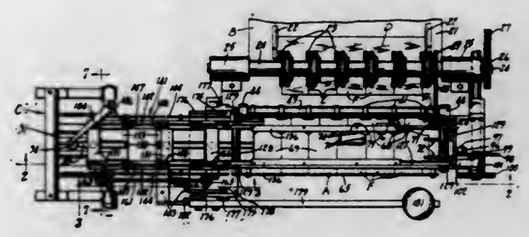
2,409,629
MANUFACTURE OF COATED BOARD
Clark C. Heritage, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
No Drawing. Application September 9, 1939, Serial No. 294,213
6 Claims. (Cl. 92—40)

1. The method of making a coated rigid porous structural fiber board which comprises coating a wet structural-board-forming mat of fibers with a composition having sufficient pigment to hide the surface fibers, and having an aqueous vehicle in which is dispersed a heat-reactive binding material capable of binding the pigment to the fiber and to itself, said binding material after reaction by heat being set when dry at normal temperature and exerting an adhesive action at an elevated temperature at least prior to completed thermal reaction, and drying the mat and the coat thereon simultaneously at an elevated temperature to form the board.

2,409,630
METHOD OF MAKING A COATED VEGETABLE-FIBER BOARD
Clark C. Heritage and Henry E. Walter, Cloquet, Minn., assignors to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
No Drawing. Application September 9, 1939, Serial No. 294,215
4 Claims. (Cl. 92—40)

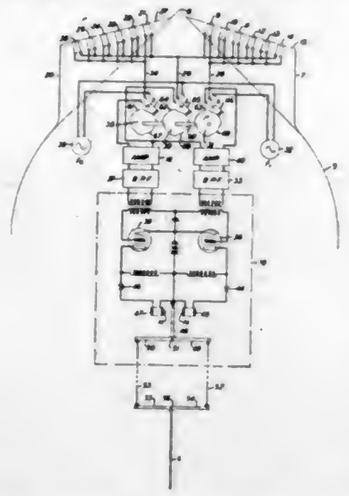
1. The method of making a coated, rigid, porous, structural vegetable-fiber board which comprises forming a water slurry of wet vegetable fibers, forming said slurry into a wet-structural-board-forming mat, which, when dried, yields a rigid, porous, structural board, coating said wet mat with a fluid aqueous coating composition having therein pigment including a major portion of white pigment selected from the group consisting of lithopone and titanated lithopone, said composition being applied in quantity to provide pigment to hide the surface fibers in the final dried board, said composition having a minor portion of diatomaceous earth in quantity from 6% to 20% by weight of the quantity of said white pigment, and said aqueous composition having an aqueous vehicle of water with protein dispersed therein to serve as binder for binding the pigment to the fiber of the mat and also to itself, and simultaneously drying the mat and the coat thereon to form a board with uniformly pigmented surface.

2,409,631
CAN MAKING MACHINE
Lyman L. Jones, Seattle, Wash., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 6, 1941, Serial No. 392,131
7 Claims. (Cl. 271—84)



1. In a can making machine, the combination of a plurality of spaced inclined vanes for receiving can part blanks, and longitudinally reciprocating feeding devices continuously operative adjacent said vanes for successively advancing the received blanks from the lower portion of one vane to the upper portion of said vane and thence into superposed position upon the upper portion of an adjacent vane, whereby to ultimately arrange the blanks into a single vertical stack at a still succeeding vane.

2,409,632
GUIDING MEANS FOR SELF-PROPELLED TORPEDOES
Robert W. King, Short Hills, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 13, 1942, Serial No. 446,889
6 Claims. (Cl. 114—23)



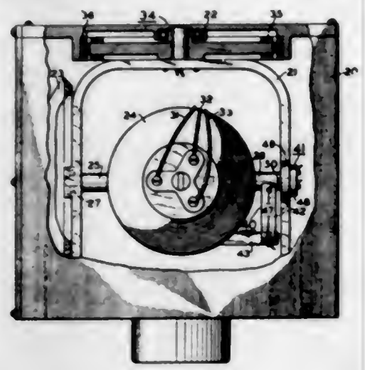
1. In combination, a self-propelled torpedo adapted to be launched in the water in the wake of a moving vessel, means for projecting from said torpedo a beam of compressional waves of a first supersonic frequency in a substantially horizontal direction inclined to one side of the forward axis of the torpedo, means for projecting from said torpedo a beam of compressional waves of a second supersonic frequency in a substantially horizontal direction inclined to the opposite side of the forward axis of the torpedo, means associated with said torpedo for receiving the energy of said first and said second frequencies reflected by said wake back toward said torpedo and means controlled by said reflected energies for guiding said torpedo toward said vessel.

2,409,633
POLYMERS OF UNSATURATED COMPOUNDS AND PROCESSES OF PRODUCING SAME
Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 17, 1943, Serial No. 495,212
11 Claims. (Cl. 260—42)

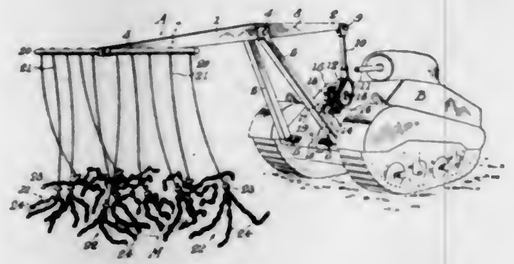
1. A polymerizable composition including (1) an unsaturated alkyd resin (2) triallyl phosphate and (3) a catalyst for accelerating the copolymerization of (1) and (2).

2,409,634
GYROSCOPIC CONTROLLING MEANS
Arthur W. Lane, Freeport, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 19, 1943, Serial No. 472,912
5 Claims. (Cl. 74—5)

1. In an instrument having a member movable about an axis, means operable to move the member about the axis in a clockwise or counterclockwise direction, a thermally cooperable pair of elements comprising a heat radiator and a heat responsive switch having two positions, said elements being mounted respectively on relatively movable parts of the instrument with one thereof being fixed to the member to move therewith with movement about its axis, said switch operating responsive to said radiator to control the moving means to move the member clockwise in one of its positions and to move the member counterclockwise in the other of its positions.

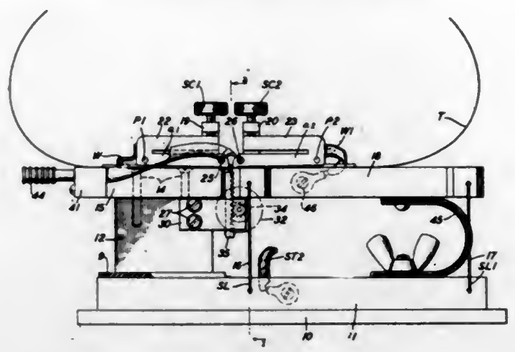


2,409,635
MINE DESTROYER
Lawrence Langner, New York, N. Y., assignor to the Government of the United States of America, as represented by the Secretary of War and his successors in office
Application August 26, 1943, Serial No. 500,061
3 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



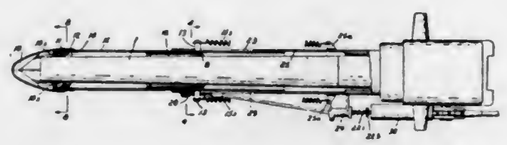
1. In combination, an armored motor vehicle, a pair of bracket members mounted on the front end of said vehicle and extending outwardly and upwardly from the front end of said vehicle and converging upwardly toward each other, a walking beam, said walking beam extending outwardly from and above the front end of said vehicle and pivotally mounted adjacent one end thereof to the upper ends of said bracket members, whereby a long arm portion is provided on the front end of the walking beam and a short arm portion is provided on the rear end thereof, means for actuating said walking beam, said means including a sprocket mechanism connected to be actuated by the vehicle motor, an eccentric rotated by said sprocket mechanism, a ring member actuated by said eccentric and a rod connected to be actuated by said ring member, one end of said rod secured to said ring member and the other end thereof pivotally connected to the rear end of said walking beam, a supporting bar mounted on and extending transversely outwardly from the front end of said walking beam and mine explosion elements connected to said bar, said actuating means being constructed and arranged so that upon the actuation of the vehicle motor the walking beam is oscillated on its pivotal connection with said bracket members for periodically actuating said explosion elements into contact with the ground for exploding mines buried therein.

2,409,636
WELDING MACHINE
John B. Little, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1944, Serial No. 559,597
4 Claims. (Cl. 219—4)



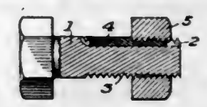
1. In a device for welding the ends of a metallic tape in coaxial abutting relation to each other, said device comprising a base, an electrode secured to said base, a movable electrode, spring means for supporting said movable electrode in spaced relation to said base and in a common plane relative to said stationary electrode, means for adjustably positioning the ends of the tape relative to the adjacent end portions of said electrodes in welding position thereon, and means for securing the ends of the tape on said electrodes in said adjusted welding position, the tension of said supporting spring means serving to impart movement to said movable electrode for urging the ends of the tape against each other an amount corresponding to the thickness of the means positioning the ends of the tape for effecting the weld.

2,409,637
MUZZLE CLOSING MECHANISM
Victor F. Lucht, Washington, D. C.
Application June 2, 1943, Serial No. 489,351
10 Claims. (Cl. 89—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



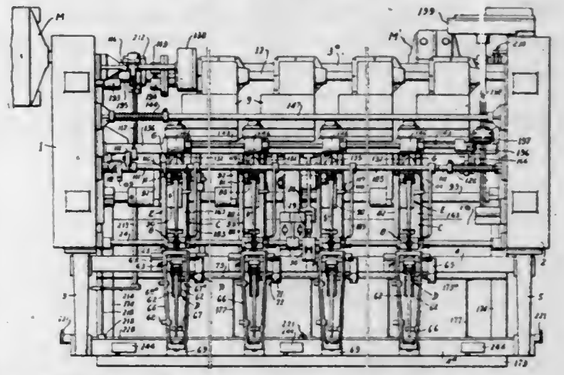
8. In a muzzle closing device for a gun having a fixed part, in combination, a gun barrel, a member reciprocable on the barrel, a plurality of complementary spring-biased sections hinged to said member and having barrel engaging portions constructed and arranged to slide over the barrel with said member, said sections being shaped to fold over and close the gun muzzle when the reciprocable member is in its forward position, spring means connecting said member to the fixed part of the gun and urging said member to a rearward position wherein said sections uncover the muzzle, means for locking said member in forward position, and means for unlocking said member and surrendering it to said spring means connecting said member to said fixed part whereby said member is moved to bring the sections to muzzle uncovering position.

2,409,638
INSERT BOLT
Bruce K. Lyon, Grant, Nebr., assignor to Oliver Iron and Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 7, 1944, Serial No. 548,365
2 Claims. (Cl. 151—7)



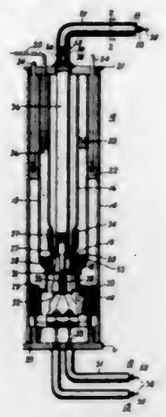
1. In a cap screw or bolt having a shank threaded for running engagement with the cooperatively threaded shank of an associated member, a slot extended longitudinally in the said threaded shank and circumferentially less than 45° and terminated short of the extremity of the shank to leave in that terminal region of the shank an uninterruptedly threaded portion, said slot having a width at the periphery of said shank at least equal to the width of said slot at the base thereof, and a vulcanized fiber insert strip in said slot and adapted to be radially placed therein and extending radially of the shank at least approximately to the apices of the shank threads but not more than slightly beyond the apices of said shank threads to provide excess of substance when threaded, the said insert strip as threaded by the cooperative bore threads of an associated member being compressed both radially and longitudinally of the slot in which it lies and expanded laterally into firm engagement with the sides of the said slot.

2,409,639
BOBBIN WINDING MACHINE
Brooks Marcellus, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application July 8, 1942, Serial No. 450,129
57 Claims. (Cl. 242—32)



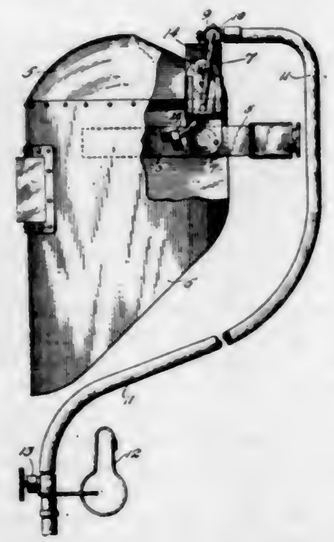
1. A bobbin winding machine having, in combination, bobbin holding means including a spindle rotatably supporting a bobbin to be wound, a traversing device, a support for said device mounted for movement in a direction axially of the spindle, means including a carrier for introducing empty bobbins into said holding means, power actuated means including a clutch for driving said spindle, said traversing device and said movable support, a power driven shaft having cam means for actuating said carrier and said clutch, disengageable latch means for holding said clutch engaged, means acting mechanically in the movement of said support at the end of a winding operation to disengage said latch means, and means adapted to initiate the operation of said cam shaft automatically in response to the movement of said support at the completion of the winding operation.

2,409,640
POWER CABLE FOR HIGH-FREQUENCY OSCILLATORS
Frank J. Moles, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 18, 1942, Serial No. 458,821
4 Claims. (Cl. 178—44)



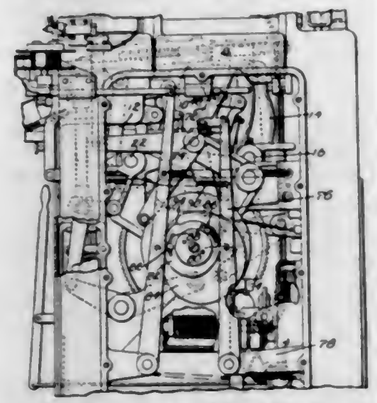
4. A filter for removing high frequency oscillations from a power lead operating at a potential difference with respect to ground comprising a grounded conductive sheath surrounding said lead and spaced therefrom, a compact mass of fibers of a relatively high resistance metal disposed in the space between said lead and said sheath, and means for insulating said metal fibers from both said lead and said sheath whereby power currents of low frequency may be transmitted over said power lead without attenuation by said filter while high frequency currents transmitted over said power lead are highly attenuated.

2,409,641
VENTILATING ATTACHMENT FOR WELDERS' HELMETS
Wilbur Daniel O'Quinn, Wilmington, N. C.
Application August 8, 1945, Serial No. 609,616
3 Claims. (Cl. 2—8)



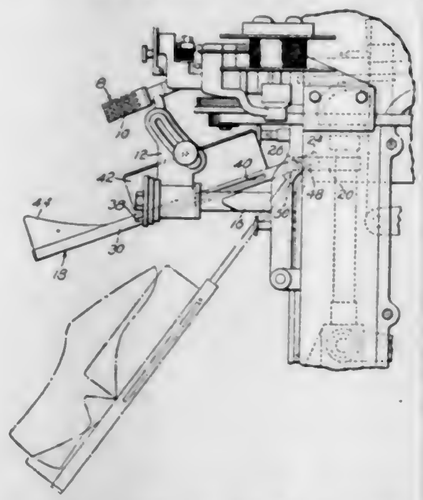
1. A ventilating attachment for welders' helmets of a type including a horizontal and a vertical head band, a T fitting attached to the vertical head band, an air hose attached to said T fitting and extending downwardly behind the helmet, and a pair of hose sections attached to said fitting at the sides thereof and extending downwardly into the helmet at the sides of the horizontal head band.

2,409,642
LASTING MACHINE
Charles A. Robinson, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application December 20, 1944, Serial No. 568,964. Divided and this application August 10, 1945, Serial No. 610,111
5 Claims. (Cl. 12—14)



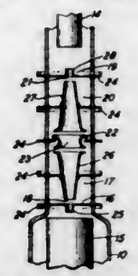
1. In a lasting machine, wipers for engaging an upper about the toe end of a last, power-operated means for effecting relative movement of said wipers and the last to cause the wipers to wipe the upper heightwise of the last, and means for closing the wipers inwardly widthwise of the last in predetermined time relation to said relative movement to bring them into positions thus to act on the upper, said wiper-closing means being adjustable to terminate such closing action on the wipers at a variably predetermined time with respect to said relative movement.

2,409,643
SHOE MACHINE
Charles A. Robinson, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application December 20, 1944, Serial No. 568,964. Divided and this application August 10, 1945, Serial No. 610,112
8 Claims. (Cl. 12—1)



6. In a shoe machine, the combination with means for operating on a shoe, and means for holding the shoe while it is thus operated on and for thereafter releasing it in such manner as to permit it to fall, of a shoe receiver arranged to underlie a portion of the shoe while it is thus operated on and to receive the shoe when it falls, said shoe receiver being yieldingly movable downwardly by the weight of the shoe thereon.

2,409,644
ELECTRON DISCHARGE APPARATUS
Arthur L. Samuel, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 11, 1941, Serial No. 388,031
5 Claims. (Cl. 250—27.5)



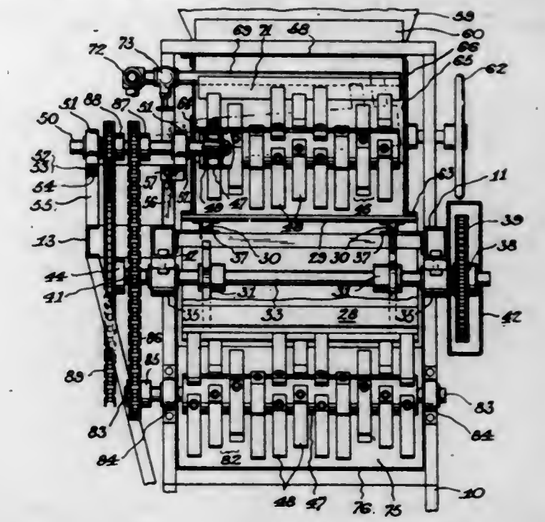
1. An electron discharge device of the velocity variation type comprising a pair of electrodes having juxtaposed aligned apertured portions defining an input gap, means opposite one end of said input gap for projecting an electron stream thereinto, means opposite and spaced from the other end of said input gap defining an output gap, said output gap defining means including an apertured electrode in alignment with said input gap and including also a second electrode mounted behind said apertured electrode relative to said input gap, said input and output gaps being separated by a drift space, and means for producing a retarding field in said drift space, said retarding field producing means comprising a hollow electrode in said drift space and in alignment with said input and output gaps and having its ends in juxtaposition to said first apertured electrode and to the electrode of said pair of electrodes toward said output gap, and the internal transverse dimensions of said hollow electrode being substantially greater than the transverse dimensions of said input gap.

2,409,645
RESIN-FIBER ARTICLE AND METHOD OF MAKING THE SAME
Edward E. Sawyer, Waterville, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a National Banking Association, as trustee
Application October 21, 1944, Serial No. 559,789
6 Claims. (Cl. 74—445)



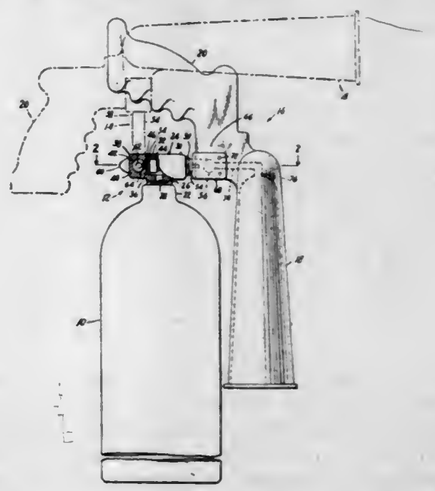
1. A resin-fiber article, comprising a compacted and bonded assembly of superimposed interfelted fibrous layers and resin hardened and integrated under heat and pressure, the ratio of fibers to resin being greater in certain of said layers than in others to produce layers of relatively high resin content and layers of relatively low resin content, the layers of relatively high resin content alternating with the layer of relatively low resin content in the assembly, the resin content of any layer being such as to bond together the fibers composing said layer into an integrated mass, and the resin content of the layers of relatively high resin content also being such as to bond said layers to the layers of relatively low resin content and to furnish at the exposed edges of the article sufficient resin to provide a continuous highly resinous covering encasing the edges of all the layers.

2,409,646
MIXING MACHINE
Harry J. Seaman, Milwaukee, Wis.
Application May 26, 1943, Serial No. 488,539
3 Claims. (Cl. 259—6)



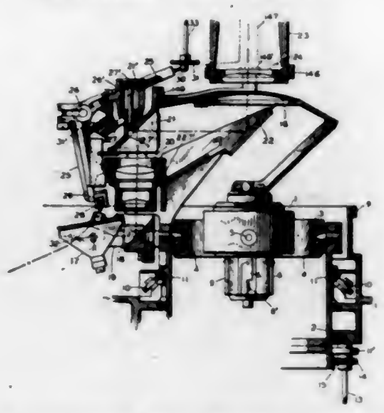
1. In a mixing machine, the combination of an endless belt conveyer having an upper run for supporting thereon loose material to be mixed and for carrying the material therealong, a mixing rotor disposed transversely over said conveyer run for operating on the material, a casing extending over said rotor, means for supporting said rotor from one end thereof and having a pivotal axis extending transversely of the rotor axis to permit upward tilting of said rotor when encountering excessive resistance to rotation, and means for driving said rotor including a sprocket wheel on said rotor adjacent to the vertical plane of the axis of tilt.

2,409,647
DISCHARGE DEVICE
John H. Stroop, New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application December 6, 1944, Serial No. 566,815
8 Claims. (Cl. 169—31)



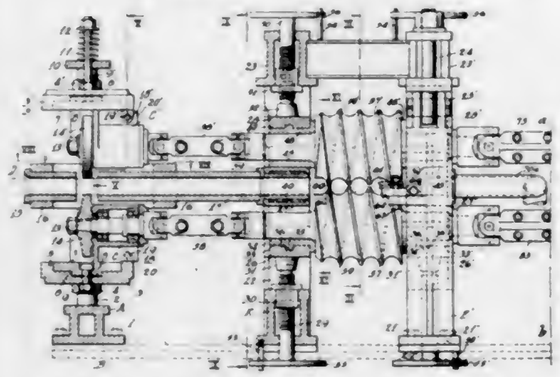
1. In combination, valve means for controlling a pressure fluid medium, a combined discharge means and handle unit, means for mounting said unit for movement relative to said valve means, and means cooperating between said valve means and said unit responsive to said movement for operating said valve means.

2,409,648
BOMB SIGHT
Howard C. Van Auken, Bloomfield, and Gerald N. Hanson, Allendale, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 25, 1941, Serial No. 375,900
8 Claims. (Cl. 88—1)



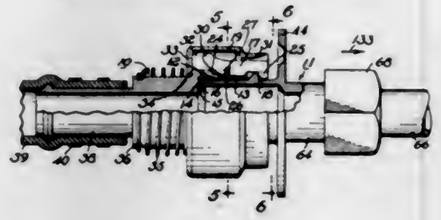
1. In a bombsight for aircraft, in combination with a gyro vertical, a sighting reticle mounted thereon and stabilized thereby about both fore-and-aft and transverse horizontal axes, a reflector for following the target stabilized about said fore-and-aft axes and mounted for turning about a transverse axis, and adapted to direct the line of sight horizontally along said fore-and-aft axis, a second reflector also stabilized about said axis for receiving said line of sight and directing it vertically, a third reflector for receiving the line of sight as reflected from said last-named reflector and directing the same horizontally toward the reticle, and means adapted to produce independent rotation of said last-named reflector relative to said other reflectors about a normally vertical axis to introduce the offset angle.

2,409,649
BALL FORMING MILL
David E. Wells, San Leandro, Calif.
Application June 6, 1944, Serial No. 538,985
4 Claims. (Cl. 80—23)



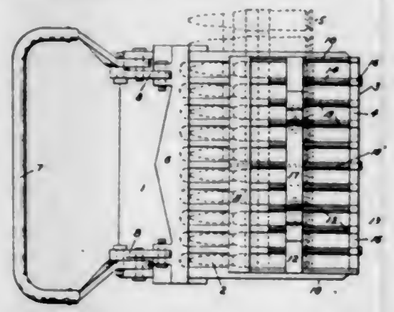
1. In a ball forming mill, a pair of rod cutting and ball forming rollers having helical threads substantially abutting each other throughout the greater portions of their lengths and ball forming grooves disposed between the threads, the leading thread portions having cutting edges that gradually increase in height from points the same distance from the roller axes as the bottoms of the grooves to points where the two thread portions abut each other, concave walls disposed adjacent to the thread portions for forming the ball during the cutting operation, the remaining thread portions forming walls for smoothing the ball surface, and means for rotating the rollers, the opposed cutting portions of the roller threads where they abut each other being provided with a cooperating projection in one thread receivable in a recess in the other thread for causing the projection to extend beyond the midpoint between the two rollers.

2,409,650
COUPLING
Earl B. Wiggins, deceased, late of Los Angeles, Calif., by Irene Lane Wiggins, executrix, Los Angeles, Calif.
Application June 15, 1943, Serial No. 490,882
9 Claims. (Cl. 285—173)



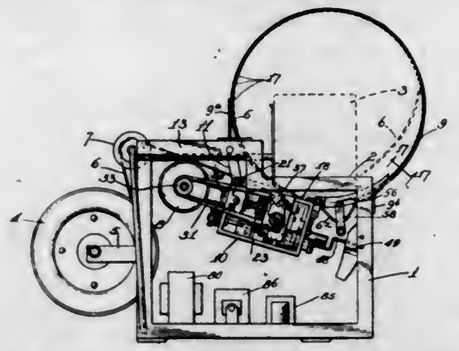
1. In a quick acting coupling, a pair of cooperating members adapted to seat one within the other, means forming a shoulder on one of said members, a plurality of dogs and means mounting said dogs on the other member for movement toward and away from said shoulder, each of said dogs having a locking surface thereon engageable with said shoulder to secure the members in coupled relation, operating means movably mounted on one of said members for moving said dogs toward and away from said shoulder, one of said members having resilient means adapted to be axially deformed by means on said other member, upon movement of said member into coupled relation, said locking surfaces being disposed at a wedge angle with respect to the direction of movement thereof, said wedge angle being within the self-locking range whereby said dogs are held in locking engagement with said shoulder, and independently of said operating means, by friction induced by pressure exerted by said deformed resilient means.

2,409,651
APPARATUS FOR UNBELTING AMMUNITION
Merle R. Williams, San Antonio, Tex.
Application March 1, 1944, Serial No. 524,565
10 Claims. (Cl. 86—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



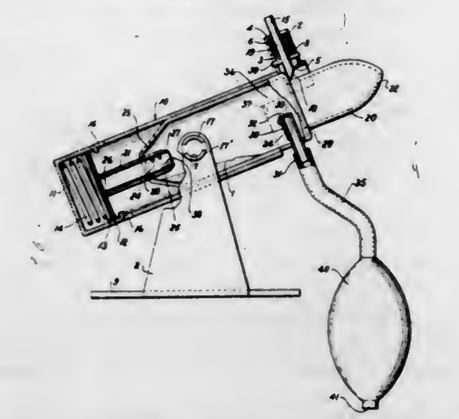
1. In combination with a gang loader ammunition belt filling machine having a bed for sliding motion of cartridges, means spanning said bed and positioned to obstruct sliding motion of the cartridge belt when the cartridges are reversed from their loading position.

2,409,652
BANDING MACHINE
Ernest Robert Workman, Goshen, Ind.
Application May 3, 1939, Serial No. 271,435
81 Claims. (Cl. 100—31)



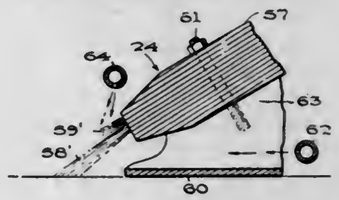
1. In a banding machine, means to feed a wire, means to guide the wire into the form of a loop, means for contracting the loop onto an object, means for guiding the contracting loop in a definite plane, including means to maintain the wire continuously under tension during contraction, grippers for engaging the loop adjacent its terminals, power driven means arranged to move the grippers to tension the loop and press its terminals into abutting relation, and means supplying an electric welding current to the terminal portions of the loop for butt-welding the ends together.

2,409,653
TOY ROCKET GUN
Leon H. Amdur, Brooklyn, N. Y.
Application June 24, 1946, Serial No. 678,803
21 Claims. (Cl. 124—11)



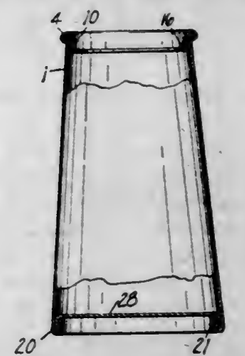
1. A toy rocket gun comprising a frame, a barrel open at one end pivotally mounted on the frame, an air-tight rocket having a central opening at its rear end and an annularly recesssed shoulder near its front end, a rubber disc and a metal disc of slightly smaller diameter than the bore of the barrel near the closed end of the barrel with the rubber disc outermost, lugs tongued-in from the barrel, a compression coil spring between the closed end of the barrel and said metal disc for forcing the discs outwardly with the rubber disc abutting the lugs, the said rocket being inserted at the open end of the barrel with its said rear opening abutting the rubber disc, a spring-pressed latch pin outwardly beveled and positioned at the open end of the barrel to snap in front of the said recessed shoulder of the rocket upon a full insertion thereof in the barrel, the rear end of the latched rocket forcing the rubber disc rearwardly against the compression spring to establish an air-tight closure at the said rear opening of the rocket, an inlet fitting having a pressure check tightly secured in the rocket, and means connectable with said inlet fitting for charging the rocket with air pressure.

2,409,654
BILLET SCARFING METHOD AND APPARATUS
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Original application October 30, 1941, Serial No. 417,086, now Patent No. 2,351,653, dated June 20, 1944. Divided and this application October 12, 1943, Serial No. 505,986
5 Claims. (Cl. 148—9)



1. The method of scarfing a surface of a workpiece by means of a scarfing torch, which method comprises directing against such surface a row of oxygen streams extending crosswise thereof, causing relative movement of the oxygen streams and work-piece in the direction of the length of the work-piece, directing preheating flames downwardly at an angle to the surface of the work-piece but exclusively from above the oxygen streams, blowing a stream of air between the torch and the work-piece toward the oxygen streams, and aiding combustion of the preheating flames by blowing other streams of air downwardly toward and onto the preheating flames prior to contact of the preheating flames with the work.

2,409,655
PAPER BOTTLES AND THE LIKE AND METHOD OF MANUFACTURE
James E. Annen, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich.
Application March 6, 1943, Serial No. 478,225
11 Claims. (Cl. 93—39.1)

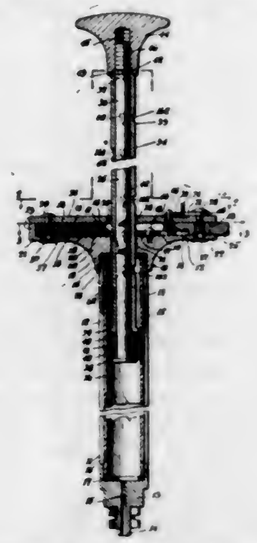


4. The method of making milk bottles and like containers of fibrous material adapted to receive a closure disk comprising the steps of forming a tubular conical wall of fibrous material with an out-turned flange on the upper edge thereof, applying an adhesive sealing material to said flange, inserting a cup-shaped top member of fibrous material in the upper end of said wall with a portion of the side wall thereof projecting above the said wall flange, supporting said wall and top member against relative axial movement

by a tubular conical die and mandrel member supporting said top member below the side wall portion thereof, crimping the projecting portion of the side wall of said top member around said flange on said wall into embracing relation thereto whereby the top member constitutes a curved rim and a reinforcing member for the wall of the container, and punching out the central portion of said top member to provide an inwardly

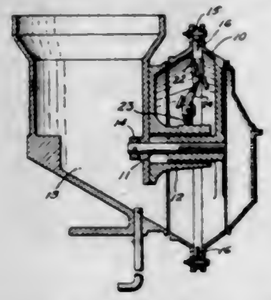
10. A container of fibrous material adapted to receive a closure disk comprising a tubular wall member of fibrous material having an out-turned flange at its upper end, an annular top member of fibrous material disposed within the upper end of said wall member, said top member being crimped around said flange into closely embracing relation thereto, there being adhesive and sealing material between said flange and said top member, said top member having an opening through its inner end surrounded by an annular flange constituting a closure seat, the lower end portion of the side wall of said top member being spaced from said tubular wall to provide expansibility of the top member relative to the container wall when a disk-like closure of predetermined diameter is disposed therein.

2,409,656
HYPODERMIC SYRINGE
Harold S. Austin, Dallas, Tex.
Application April 20, 1945, Serial No. 589,396
13 Claims. (Cl. 128—215)



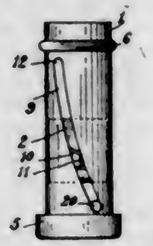
1. In a hypodermic syringe, the combination comprising, reciprocable plunger shaft means having a plurality of cooperating series of abutment means arranged longitudinally thereof with each series located in a different path, a plurality of movable engaging stop means, means to guide each of said stop means in its motion into and out of the path of travel of one of said series of abutment means, means connecting said plurality of stop means together whereby when one thereof is moved into the path of the series of abutment means associated therewith each of the others will be moved out of the path of the series of abutment means associated with the latter so that said abutment means and stop means associated therewith are adapted alternately to stop longitudinal movement of said shaft means as predetermined by the abutment means when successively moved to engagement with their engaging stop means and to free said shaft means for further longitudinal movement, and means to move one of said engaging stop means out of the path of travel of its cooperating series of abutment means with simultaneous movement of another of said engaging stop means into the path of travel of its cooperating series of abutment means by virtue of the interconnection between said plurality of stop means, so that said shaft means may be moved longitudinally step-by-step with abutment means of one series alternating with others of said abutment means in effective determination of the successive steps of travel of said shaft means.

2,409,657
APPARATUS FOR FEEDING AND DELIVERING AMMUNITION BLANKS
Edwin H. Birdsall, Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application November 4, 1942, Serial No. 464,511
2 Claims. (Cl. 209—72)



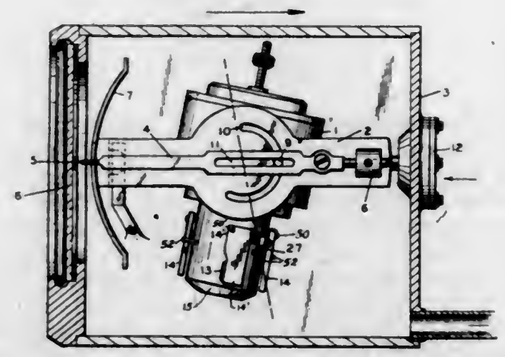
1. In a hopper mechanism, the combination with a rotary member having blank carrying elements arranged to engage said articles in a single position of longitudinal orientation; a track; a discharge tube having an open upper end displaced laterally with respect to said track, said track being adapted to support blanks before being released from said carrier elements; and a chute connecting one end of said feed track and said discharge tube, the open upper end of said chute comprising a continuous spiral surface adapted to impart a twisting movement to said blanks while being fed from said feed track into said discharge tube.

2,409,658
COSMETIC CONTAINER
Charles R. Book, Waterbury, Conn., assignor to The Eyelet Specialty Company, Waterbury, Conn.
Application May 4, 1945, Serial No. 591,927
5 Claims. (Cl. 206—56)



1. A cosmetic container comprising, an inner sleeve provided with a propelling slot, an outer sleeve having a spiral guide slot, a cosmetic-holding cup within the inner sleeve and having a projection entering both of the slots, one of the slots being shorter than the other, the longer slot having an offset part at one end into which the projection is moved when the cosmetic cup is moved to the limit of its axial movement in one direction, the inner sleeve having an aperture in its side wall, and the cosmetic cup having a spring tongue provided with a detent engaging in said aperture when the cup is in its retracted position, to thereby hold the cup against inadvertent advancement.

2,409,659
GYRO VERTICAL
Frederick D. Braddon, Babylon, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 16, 1941, Serial No. 388,736
19 Claims. (Cl. 33—204)



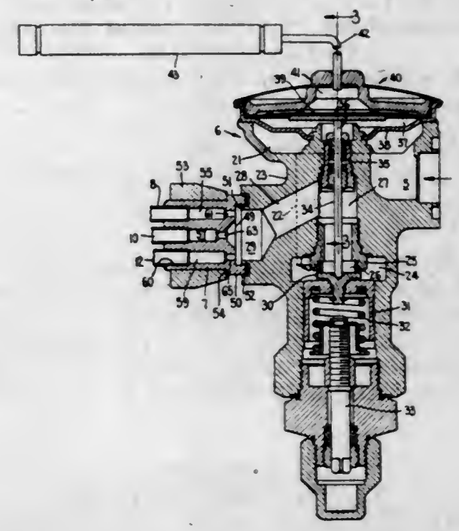
11. As a means for correcting errors in a gyroscopic artificial horizon or gyro-vertical due to turning of aircraft so as not to be apparent, a universally and neutrally mounted gyroscope, a power actuated erection device, and gravitationally responsive means for controlling said device so constructed and arranged with respect to the gyroscope as to normally cause the gyroscope to become inclined at a predetermined angle in the fore and aft plane with respect to the craft and during turns cause precession of the gyroscope at the same rate as the craft turns, whereby no change in the position of the gyroscope takes place which is apparent to the pilot.

2,409,660
MOP YARN AND MOP MADE THEREFROM
Walter S. Briggs, Needham, Mass.
Application August 11, 1945, Serial No. 610,313
4 Claims. (Cl. 57—153)



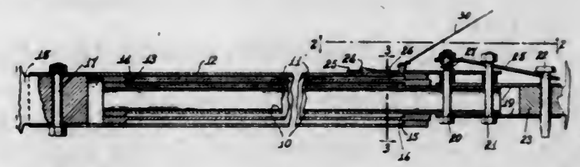
1. A mop yarn consisting of a core yarn having a surface coating of substantial thickness intimately bonded thereto and completely surrounding said core yarn for its entire length, said coating consisting substantially of a cellulose sponge mass bonding the fibers of the core yarn together, and providing a filtering casing for said core yarn of much greater water-absorptivity than said core yarn and strengthened and reinforced by such core yarn against attrition and holding adjacent strands against entangling contact with each other when associated together in a mop.

2,409,661
REFRIGERANT DISTRIBUTING MEANS
Franklyn Y. Carter, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application November 15, 1943, Serial No. 510,328
1 Claim. (Cl. 138—37)



A refrigerant distributing device comprising a conduit closing member having an unobstructed end wall with a surrounding tubular flange providing a circular inlet chamber, said member having a plurality of passageways therethrough, all of the passageways in said member extending straight from end to end through said member, all of the passageways opening through said end wall into said chamber, all of the passageways in said member communicating with one another through said chamber and all serving to distribute refrigerant admitted to said chamber, each of said passageways having at least three portions of successively increasing diameter with its portion of smallest diameter opening through said wall into said chamber.

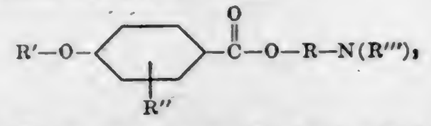
2,409,662
TOWING POLE
Edward Carl Christensen, Denmark, Wis.
Application August 9, 1944, Serial No. 548,739
1 Claim. (Cl. 280—33.14)



A towing pole comprising three telescoping tubes, the inner tubes having external stop shoulders at their inner ends and the outer tubes having internal stop shoulders at their outer ends; extension plates secured to the outer end of the inner tube; a traction bolt secured to said extension plates; a latching lug at the outer end of said outer tube; a spring actuated latching plate carried by the outer end of the inner tube and having an opening arranged to engage said lug automatically upon retraction of said tubes; and a flexible releasing element secured to said latching plate.

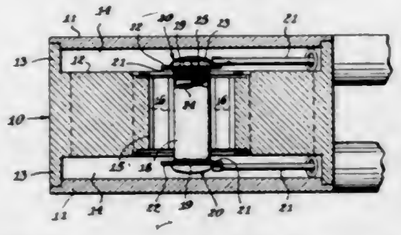
2,409,663
AMINO ALCOHOL ESTERS OF ALKYL-SUBSTITUTED ALKOXY BENZOIC ACIDS
Walter G. Christiansen, Glen Ridge, and Sidney E. Harris, Nutley, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Original application September 9, 1937, Serial No. 163,034. Divided and this application June 28, 1944, Serial No. 542,622
4 Claims. (Cl. 260—473)

1. A compound of the group consisting of: amino-esters of the formula



wherein R represents a divalent alkyl residue with 2 to 4 carbon atoms R′ represents an alkyl residue with 2 to 4 carbon atoms, R″ represents an alkyl residue with 1 to 2 carbon atoms, and R‴ represents an alkyl residue with 1 to 2 carbon atoms; and acid-addition salts thereof.

2,409,664
ELECTRODE SUPPORT
David G. Clifford, Palo Alto, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 17, 1943, Serial No. 502,746
8 Claims. (Cl. 250—27.5)

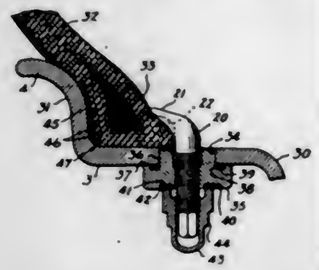


8. An electron discharge device having an electrode, a hollow capsule fixed with respect to said electrode, and tungsten granules in said capsule for damping vibration thereof.

2,409,665
PURIFICATION OF INDUSTRIAL SANDS
Allen T. Cole and James B. Duke, Lakeland, Fla., and Lynn L. McMurray, Lovingston, Va., assignors to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application October 19, 1943, Serial No. 506,876
7 Claims. (Cl. 209—166)

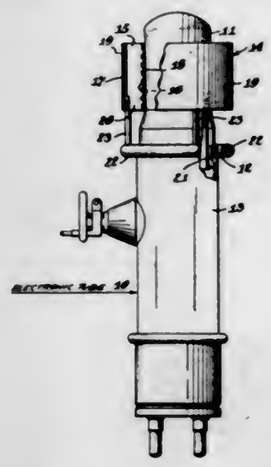
1. The process of removing ferruginous impurities from industrial sands which consists in subjecting such sands to a first froth-flotation treatment in the presence of a fatty acid compound having a hydrocarbon radical of at least 12 carbon atoms, an alkali and a mineral oil, and removing and discarding the froth; and subjecting the pulp residue of the aforesaid first froth-flotation treatment to a second froth-flotation treatment in the presence of cooperating agents consisting of less than about six pounds of a mineral acid and less than about one pound of a cationic-active nitrogenous compound containing an alkyl group which contains from 7 to 19 carbon atoms, both per ton of solids in the feed, and removing and discarding the froth, leaving the residue as the purified sands.

2,409,666
BEAD CLAMP FOR PNEUMATIC TIRES
Fred H. Comey, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 29, 1942, Serial No. 456,659
3 Claims. (Cl. 152—399)



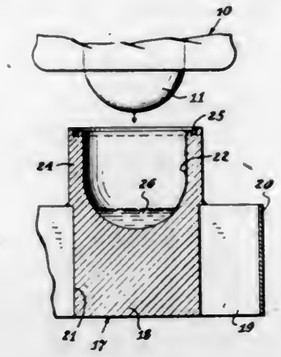
2. The combination with a wheel rim having a tire retaining flange, a substantially cylindrical bead seating portion adjacent the flange and a circular opening in said bead seating portion spaced inwardly from said flange, of a tire having a bead bearing against said flange and provided with a toe portion partially overlying said opening, a lug having a threaded stem, a wrench engaging portion at one end and a laterally inclined flared head portion at its opposite end for engagement with the toe portion of the tire, said head portion being insertable through said opening, and a nut adapted to be screwed on said stem, said nut having a cylindrical portion fitting in said opening and a larger wrench receiving portion engageable with the interior of the rim.

2,409,667
ELECTRON DISCHARGE DEVICE
Hampton J. Dailey, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 8, 1942, Serial No. 438,141
6 Claims. (Cl. 250—27.5)



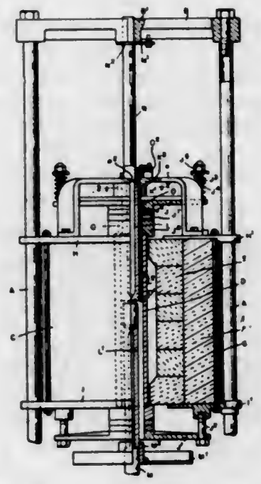
6. A cooling means for an electron discharge device having a metallic electrode as an outside part of an envelope, comprising a collar surrounding a part of said electrode substantially coaxial therewith and spaced outwardly therefrom, and a plurality of fins extending from said electrode to said collar, said fins sloping away from radial planes intersecting said fins, each fin having flanges at the inner and outer edges thereof with the flange at the inner edge on the opposite side of the fin from the flange at the outer edge whereby said fin is Z-shape in cross section.

2,409,668
HEAT TRANSFER MEANS AND METHOD OF ASSEMBLY
Hampton J. Dailey, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 18, 1942, Serial No. 451,448
4 Claims. (Cl. 189—36)



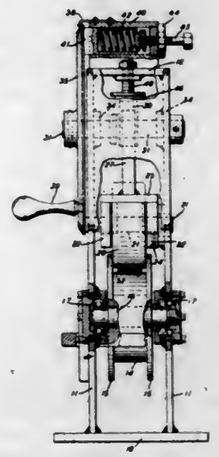
4. A heat exchange means comprising a core having a cavity opening upward and having a closed bottom, said cavity adapted to receive a device for heat exchange purposes by conduction from said device through the material of the core, said cavity adapted to contain material in a fluid state subject to extrusion at the upper edge of the cavity upon introduction of said device into the cavity, said core having a channel for accommodating excess of the fluid material extruded from the cavity, the wall of the channel furthest from the said cavity having greater height than the wall of the channel nearest said cavity.

2,409,669
DILATOMETER STRUCTURE
Harry W. Dietert, Detroit, Mich.
Application March 7, 1944, Serial No. 525,421
9 Claims. (Cl. 219—36)



1. A furnace including a tube extending vertically therethrough and forming the heating chamber, a refractory rod extending into said tube from the upper end thereof, means without the tube for rigidly holding said rod in fixed relation thereto, and for sealing the upper end of said tube, a second refractory rod extending upward into said tube through the lower end thereof and adapted to support the work and press the same against the upper rod, and means for relatively moving said furnace and second rod to separate the same for the insertion of the work.

2,409,670
STRAND FORMING APPARATUS
Waldemar C. Ewaldson, Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 15, 1945, Serial No. 582,970
9 Claims. (Cl. 28—1)



1. A strand forming apparatus comprising a main roller mounted for rotation upon a fixed axis, a companion roller, an element to support the companion roller, means to support the element for movement of the companion roller relative to the main roller, a cam actuable to move the element to move the companion roller to positions measured distances from the main roller, whereby a strand advanced between the rollers will be reduced to a thickness equaling the distance between the rollers, and resilient means to normally urge the element to engage the cam.

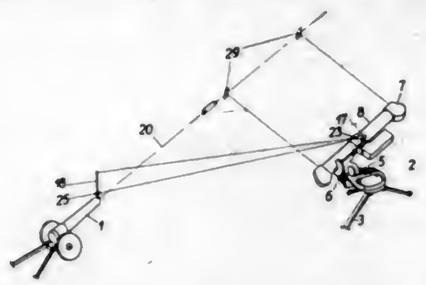
2,409,671
SUBSTANTIALLY OIL SOLUBLE POLYALKYL AROMATIC SULFONATES
Jacob Faust, Belleville, N. J., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware
No Drawing. Application December 8, 1943, Serial No. 513,469
3 Claims. (Cl. 260—505)

1. A new substantially oil-soluble polyalkyl aromatic sulfonate which consists of a substantially oil soluble polyamyl naphthalene sulfonate having one metal sulfonate radical carried by an unalkylated position of the aromatic ring and having at least three amyl radicals.

2,409,672
APPLIANCE FOR MEASURING THE VELOCITY OF PROJECTILES
Friedrich Fischer, Zurich, and Werner Amrein, Rumlang, Switzerland
Application March 18, 1944, Serial No. 527,060
In Switzerland May 1, 1943
14 Claims. (Cl. 250—41.5)

1. In an installation for measuring projectile velocities, in combination, a registering apparatus adjustable parallel to a projectile trajectory and comprising a combined photo-electric cell and electronic multiplier, an electronic preamplifier connected with said cell, means constituting a slit located in front of said photo-electric cell, and means comprising an optical set and systems of mirrors for depicting said slit in two points of said projectile trajectory lying at a predetermined distance from each other, a cable connected to the output of said preampli-

fier, a measuring apparatus comprising at least two cathode ray tubes, and means connected with said cathode ray tubes and said cable for



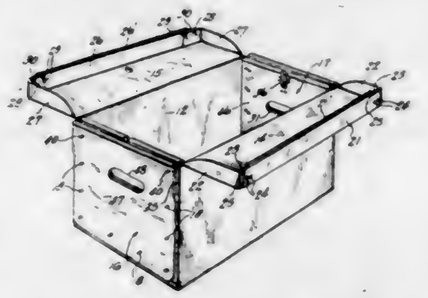
making visible the time interval between the impulses generated by the passage of the projectile through the slit images.

2,409,673

FIBERBOARD CONTAINER HAVING REINFORCED ENDS AND INTEGRAL HINGED CLOSURE

Walter G. Glascoff, Jr., and Charles W. Evert, Milwaukee, Wis., assignors to Downing Box Company, Milwaukee, Wis., a corporation of Wisconsin

Application January 12, 1945, Serial No. 572,444
9 Claims. (Cl. 229—23)



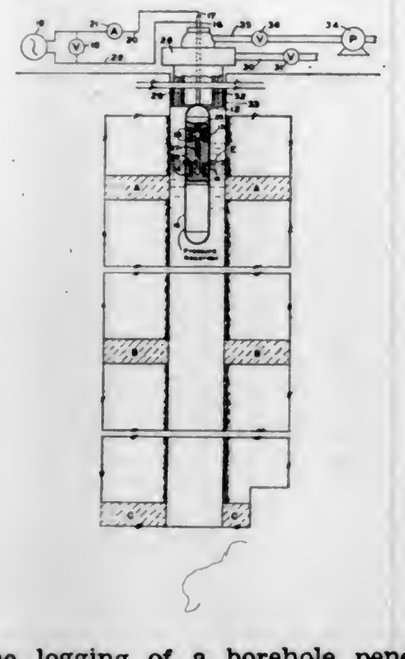
8. In a container having a bottom provided with end flaps and having side walls provided with end flaps, end walls for the container, each end wall comprisng inner and outer layers between which the end flaps of the bottom and side walls of the container are received, the inner layer of each end wall having an upper edge portion folded downwardly and then upwardly to join the upper edge of the outer layer and provide an upwardly opening channel between the two layers, there being a fold line between said downwardly and upwardly folded channel-forming parts with slots in the ends of said fold line for receiving upper end portions of the side wall end flaps, there being a slot extending downwardly from the upper edge of the inner layer of each end wall and there being a registering slot formed in the downwardly folded part of each channel, complementary cover members hinged to said side walls and foldable toward one another over the container, side and end flanges on each cover member, the ends of said cover side flanges being received in the upper edge slots of the end walls, and said cover end flanges being received in said end wall channels when the cover members are closed, metal staples at the ends of each channel extending through the inner and outer end wall layers, through the channel-forming portions, and through the upper ends of the side wall end flaps, and metal staples for securing the side and bottom wall end flaps in position between the layers.

2,409,674

DETERMINING PERMEABILITY OF SUBSURFACE FORMATIONS

Joseph W. Graybeal, Midland, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application March 22, 1945, Serial No. 584,183
3 Claims. (Cl. 73—152)



1. In the logging of a borehole penetrating formations having sufficient permeability to allow appreciable amounts of liquid to be forced therein, the steps of determining adjacent the face of a formation the shut-in pressure of the borehole, introducing a body of liquid into the bore of the well, forcing portions of said body of liquid into a plurality of formations and the remainder of the body of liquid downwardly through the bore of the well, determining the rate at which a portion of the body of liquid is forced into the selected formation and simultaneously with the forcing of liquid therein determining the pressure in the borehole adjacent the face of said formation.

2,409,675

PREPARATION OF POLYAMINOACETALS

William Franklin Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application February 14, 1942, Serial No. 430,945. Divided and this application December 26, 1944, Serial No. 569,915
5 Claims. (Cl. 260—584)

1. A process for the preparation of a di(aminoalkyl) acetal which comprises heating an acetal with aldehyde cyanohydrin whereby an unsymmetrical cyanoalkyl acetal is obtained, heating the resulting cyanoalkyl acetal with hydrogen in the presence of ammonia and a hydrogenation catalyst to form an unsymmetrical aminoalkyl acetal, separating the unsymmetrical aminoalkyl acetal from the hydrogenated reaction mixture, subjecting the separated unsymmetrical aminoalkyl acetal to a reaction with an excess of an inorganic acid, neutralizing the salt obtained with a base, and subsequently removing from the resulting mixture after filtration the di(aminoalkyl) acetal.

2,409,676

PREPARATION OF INDOLE

William F. Gresham and Walter M. Bruner, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 20, 1944, Serial No. 555,046
9 Claims. (Cl. 260—319)

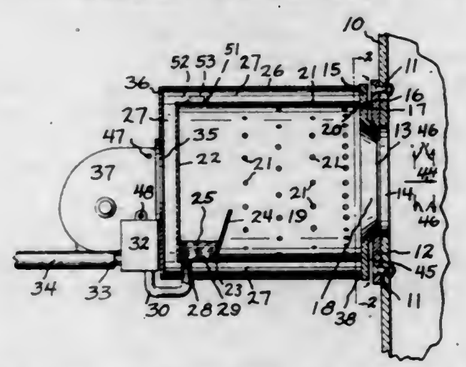
1. In a process for the synthesis of indole the steps which comprise heating o-ethylaniline in the presence of a solid dehydrogenation catalyst at a temperature within the range of about 550° to 750° C., and condensing from the resultant gaseous mixture the reaction product containing indole and unreacted o-ethylaniline.

2,409,677

OIL BURNER

James T. Grotenhouse, Orange City, Iowa

Application October 15, 1942, Serial No. 462,080
1 Claim. (Cl. 158—92)



A pot type burner having a longitudinal axis positioned substantially horizontal, a heater wall having an opening, an end plate having a further opening communicating with said opening, a burner end plate having an opening communicating with said heater wall and said end plate openings, means for adjustably spacing said burner plate opening from said end plate opening, including a plurality of adjustable screws threadably engaged with said burner plate, said burner plate being hinged to said end plate, said screws abutting against said end plate, said burner being substantially cylindrical, a sump wall attached across said burner having an arcuate portion thereof attached to the burner walls, the upper edge of said wall leaving an unrestricted opening in said burner, the space between said sump wall and the burner end providing a sump, an outer enclosing shell having an air inlet opening, and a blower attached to and communicating with said opening, said sump wall being substantially at right angles to the longitudinal axis of the burner and extending upwardly a substantial distance from the lower boundary of the burner.

2,409,678

PREPARATION OF SOAPS

Clement Hutton Hamblet, Gordon Heights, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 18, 1943, Serial No. 502,991
9 Claims. (Cl. 260—414)

1. In a process for the preparation of heavy metal salts of an organic acid, the step which comprises reacting a heavy metal with a compound selected from the group consisting of organic acids containing unsaturation and at least 8 carbon atoms and their esters in the presence of oxygen and an antioxidant selected from the group consisting of para-hydroxydiphenyl phenols, hydroquinone, para-aminophenol, p,p'-diaminodiphenylmethane, 2,4-meta-toluylene diamine, diphenylamine, o- and p-ditolylamines, phenyl - alpha - naphthylamine, phenyl - beta - naphthylnitrosamine, symmetrical di-beta-naphthyl-para - phenylenediamine, symmetrical diphenyldiaminoethane, 2, 4 - diaminodiphenyl - amine, condensation products of aniline with acetaldehyde, of alphanaphthylamine with aldol, of aniline with acetone, and of diphenylamine with acetone; the antioxidant being present in sufficient amounts to prevent the formation of CO_2 during the reaction.

2,409,679

POLYMERS OF ETHYLENE AND HALOVINYL COMPOUNDS AND PROCESSES FOR THEIR PREPARATION

William E. Hanford, Wilmington, and John R. Roland, McDaniel Heights, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 1, 1941, Serial No. 417,477
3 Claims. (Cl. 260—84)

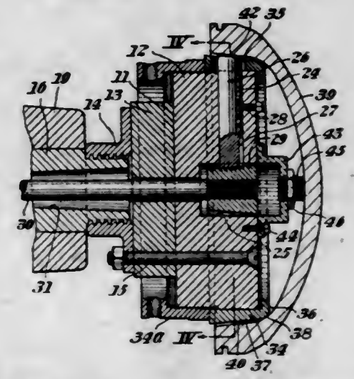
3. A polymer of ethylene and methyl alpha-chloracrylate having an ethylene to ester mole ratio of 1.9:1.

2,409,680

LATHE CHUCK

Colonel C. Heeter, Butler, Pa.

Application May 11, 1943, Serial No. 486,510
8 Claims. (Cl. 279—2)



1. A lathe chuck comprising a cylinder adapted to be mounted on a lathe spindle coaxially therewith, an axial bore in said cylinder, radial bores in said cylinder intersecting said axial bore, gripping studs disposed in said radial bores and slidable longitudinally therein, a conical expander disposed in said axial bore coaxially therewith, a centering ring slidable on said cylinder, and means for advancing said ring into engagement with a workpiece carried on said studs.

2,409,681

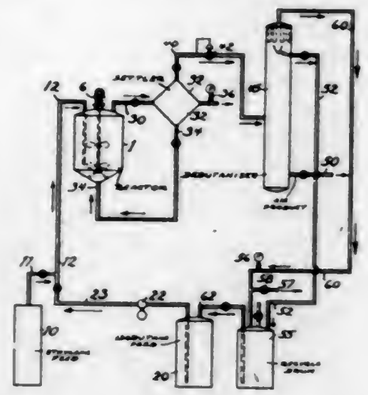
CHEMICAL PROCESS

Ralph M. Hill, Mountainside, and Charles H. Watkins, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application January 13, 1943, Serial No. 472,192
6 Claims. (Cl. 260—683.4)

1. The method of preparing a catalyst adapted to promote and catalyze the reaction between an

isoparaffin and an olefin which comprises contacting aluminum chloride with an isoparaffin and a lower olefin and one of the class consisting



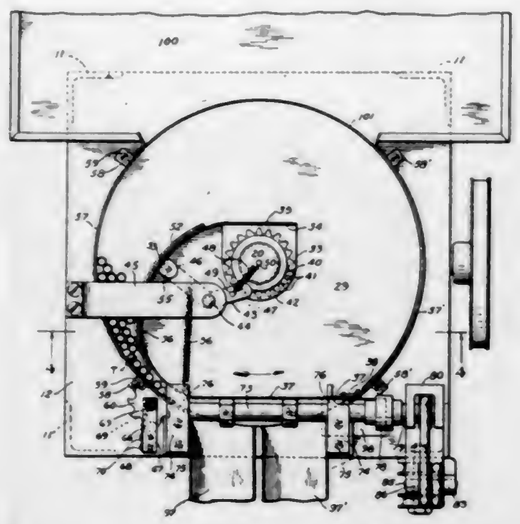
of an alkyl chloride and hydrogen chloride at elevated temperatures and pressures for 5½ hours to produce a brown mobile liquid having a specific gravity of about 1.2.

2,409,682

GAUGING AND ASSORTING APPARATUS

Lucien B. Horton, Independence, and Fletcher C. Speed, Kansas City, Mo., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application November 13, 1943, Serial No. 510,164
2 Claims. (Cl. 209—91)



1. A machine for gauging and assorting articles comprising a movable gauge member; means for moving said gauge member; carrier means constructed and arranged to move articles to be gauged in proximity to said gauge member, said gauge member being constructed and arranged to strike the upper rear edges only of articles exceeding a predetermined length and to eject said articles from said carrier means in a direction transverse to their direction of movement when supported on the carrier; movable means adjacent said carrier to separate the articles on said carrier so as to deliver them to said gauging member in successive order; brake means arranged to control the movement of the article separating means; and means to guide articles on said carrier into engagement with the article separating means.

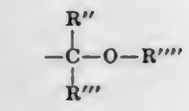
2,409,683

POLISH COMPOSITIONS

Benjamin Wilson Howk, John Richard Roland, and Harvey Herbert Hoehn, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 4, 1943, Serial No. 485,644
14 Claims. (Cl. 106—10)

4. A polish composition comprising a synthetic wax obtained by the interaction of ethylene with an organic compound represented by the formula ROR′ wherein R and R′ are free of olefinic unsaturation and are selected from substituents of group consisting of alkyl, aryl, aralkyl, alkaryl, acyl and the substituent



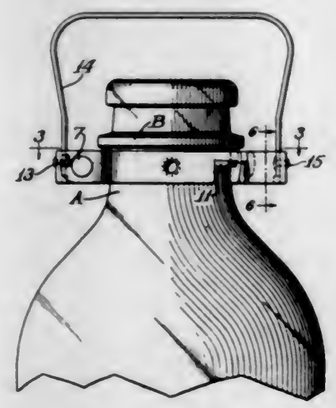
in which R″, R‴, and R⁗ are free of olefinic unsaturation and are selected from the group consisting of alkyl, aryl, aralkyl and alkaryl the R″ and R‴ group including hydrogen, the interaction being effected at a temperature between 50 and approximately 300° C. under pressures above 20 atmospheres and in the presence of a catalyst selected from the group consisting of peroxy catalysts and oxygen, there being present in the polish in parts by weight from 1 to 5 parts of said synthetic wax to from 5 to 1 parts of a soft wax.

2,409,684

BOTTLE CARRIER

Tazewell H. Jenkins, Chicago, Ill.

Application July 10, 1945, Serial No. 604,169
13 Claims. (Cl. 224—45)



1. A carrying device for a bottle having a neck provided with a collar, comprising a U-shaped member of resilient metal and a bar hinged at one end to one arm of the U so as to be capable of swinging from a vertical position down over the second arm, said bar having a part at its free end to hook over said second arm, the free ends of the arms of the U extending outwardly and then back parallel to said arms in the plane of the U, and a bail connected to the backturned parts of the arms of the U, the parts being so proportioned that when the bar is down the distance between the middle of the arm and the closed end of the U is less than the diameter of the collar.

2,409,685

ADDITION PRODUCTS OF HETEROCYCLIC ZINC MERCAPTIDES WITH ALKYLENE IMINES

Paul C. Jones, near Chagrin Falls, and Roger A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application December 21, 1944, Serial No. 569,278
6 Claims. (Cl. 260—302)

1. The addition product of an alkylene imine having its imino nitrogen atom attached to two carbon atoms which are directly connected one to another, with a zinc salt of a heterocyclic nitrogen-containing mercaptan.

2,409,686

COMPOUNDED LUBRICATING OIL

John G. McNab, Cranford, and Dilworth T. Rogers, Plainfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 7, 1943, Serial No. 493,734
15 Claims. (Cl. 252—42.7)

1. A petroleum hydrocarbon material containing a small quantity, sufficient to stabilize said material of a reaction product of a sulfide of phosphorus with a compound of the formula

$$(RArX)_2M$$

where Ar is an aromatic nucleus, R is an alkyl radical having at least 5 carbon atoms, X is a member of the group consisting of oxygen and sulfur, and M is a divalent metal of group II of the periodic table and selected from the group consisting of calcium, barium, strontium, magnesium and zinc.

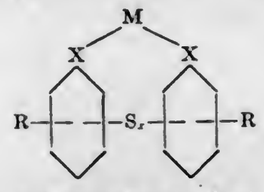
2,409,687

SULFUR AND METAL CONTAINING COMPOUND

Dilworth T. Rogers, Teaneck, and John G. McNab, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 1, 1944, Serial No. 547,640
2 Claims. (Cl. 260—125)

1. As a new composition of matter an oil-soluble sulfur containing product obtained by reacting elemental sulfur with a compound of the formula



where R is an alkyl radical of at least 5 carbon atoms, X is a member of the group consisting of oxygen and sulfur, M is a divalent metal of group II of the periodic table and selected from the group consisting of calcium, barium, strontium, magnesium, and zinc, and x is an integer from 1 to 4.

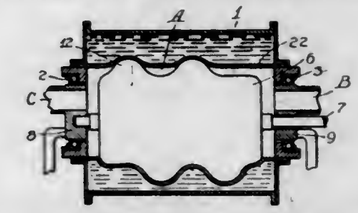
2,409,688

REVERSIBLE FLUID-OPERATED AND FLUID-OPERATING MECHANISM

René Joseph Louis Moineau, Paris, France

Application January 9, 1945, Serial No. 572,080
In France July 1, 1942
1 Claim. (Cl. 103—117)

In a mechanism of the class referred to, a rotor having a helical projection, a receptacle enclosing said rotor and loosely rotatable about an eccentric axis, a flexible membrane coaxial with said receptacle and limiting therein an annular space and a central chamber, an inlet and an outlet respectively in communication with the opposite ends of said chamber, a body of liquid in said annular space adapted to be driven in



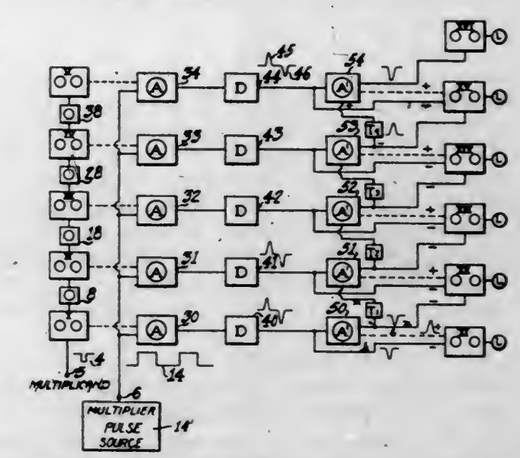
rotation by viscosity and forced by centrifugal force against the inner wall of said receptacle, the edges of said projection being adapted to depress said membrane outwardly and have a screw-like movement therein, thus forming at least one axially movable fluid-tight cell, said receptacle being adapted to be driven by friction of said membrane against said helical projection.

2,409,689

ELECTRONIC COMPUTING DEVICE

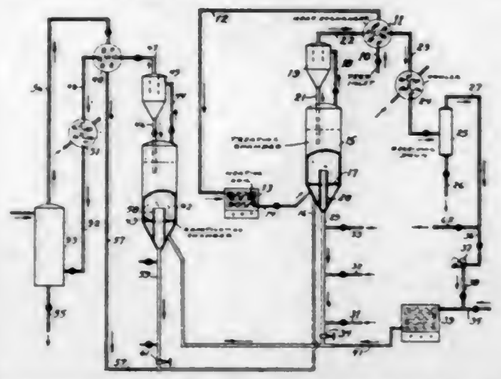
George A. Morton, Haddon Heights, and Leslie E. Flory, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application November 2, 1942, Serial No. 464,292
8 Claims. (Cl. 235—61)



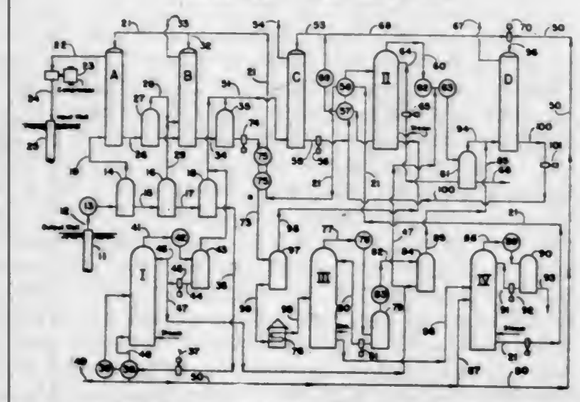
1. A binary multiplying device including a plurality of cascaded trigger circuits, means for polarizing said trigger circuits to represent a binary multiplicand, a source of pulses the number of which is representative of a multiplier, a plurality of blocking amplifiers, means responsive to predetermined polarization of said trigger circuits for unblocking predetermined ones of said amplifiers, means for applying said pulses to all of said amplifiers, means for differentiating the pulses derived from said unblocked amplifiers, a plurality of cascaded second trigger circuits, a plurality of transfer blocking amplifiers, means responsive to the polarization of each of said second trigger circuits for unblocking selectively a different one of said transfer amplifiers, means for applying said differentiated pulses to vary the polarization of said second trigger circuits to transfer said multiplicand thereto for each of said multiplier pulses, and means for applying said differentiated pulses to trigger said second trigger circuits in response to said selective unblocking of said transfer amplifiers for providing carryover binary numbers.

2,409,690
DESULPHURIZATION OF HYDROCARBON OILS
Edward W. S. Nicholson and Aaron K. Redcay, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 10, 1943, Serial No. 513,680
6 Claims. (Cl. 196—24)



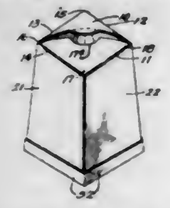
1. A process for removing sulfur compounds from low boiling hydrocarbon oils which comprises continuously passing a mixture of hydrocarbon oil vapors and hydrogen through a treating zone, contacting the oil vapors within the treating zone with a desulfurizing catalyst, maintaining the vapors in contact with the catalyst for a period and at a temperature sufficient materially to reduce the amount of sulfur compounds contained in said oil but insufficient to form substantial carbon deposits on the catalyst, thereafter removing the treated vapors from the treating zone, continuously removing catalytic material from the treating zone while said material contains a relatively low concentration of sulfur, passing the catalyst so removed through a reactivating zone, treating the catalyst within the reactivating zone with a gas consisting substantially exclusively of hydrogen in an amount and at temperature sufficient to remove the sulfur from said catalyst and returning the desulfurized catalyst to the treating zone.

2,409,691
METHOD FOR RECOVERING VOLATILE HYDROCARBONS FROM GASES
Frank G. Noble, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 28, 1943, Serial No. 473,796
3 Claims. (Cl. 196—8)



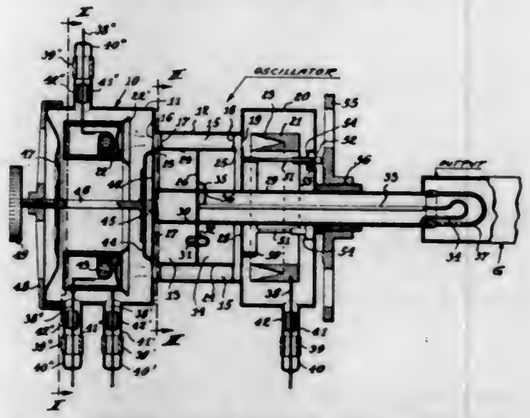
3. A method for recovering distillate from high pressure gas, comprising the steps of contacting said gas with lean heavy oil in an absorption zone to form a rich heavy oil, flashing vapors from said rich absorption oil, passing said vapors to a second absorption zone and contacting them with a lean light absorption oil to form a rich light absorption oil, heating said rich heavy absorption oil, passing said heated heavy absorption oil to a separating zone to separate a vaporous fraction and a liquid fraction, passing said liquid fraction to a distillation zone to separate absorbed constituents as overhead and a lean heavy absorption oil as bottoms, passing said rich light absorption oil to a second distillation zone and separating absorbed constituents as overhead and a lean light absorption oil as bottoms, and passing vapors from said separating zone to said second distillation zone to aid in stripping absorbed constituents from said light absorption oil.

2,409,692
CONTAINER
Curt E. Nyberg, Chicago, Ill., assignor to James F. Barnes, as trustee
Application March 25, 1944, Serial No. 528,099
6 Claims. (Cl. 229—51)



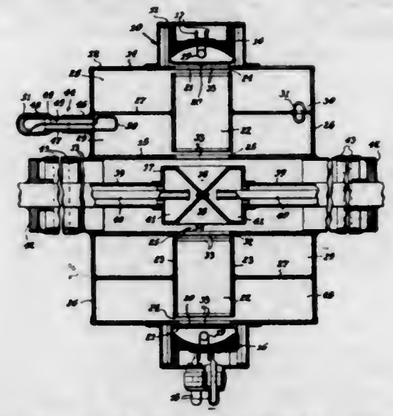
4. A container comprising a sheet of material having a central portion which forms a rectangular top wall, side portions of said sheet adjacent the edges of said central portion being disposed at right angles with said top wall to form the sides of said container, the portions of said sheet intermediate of said side portions being folded within the container, and a bottom wall of rectangular shape having depending edge portions and secured to said side walls, said top wall containing a weakened line extending between opposite corners thereof and adapted to rupture so as to open the container for emptying the same when said opposite corners are pressed toward each other.

2,409,693
ELECTRON DISCHARGE DEVICE
Ernest Carl Okress, Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 6, 1942, Serial No. 425,715
17 Claims. (Cl. 250—27.5)



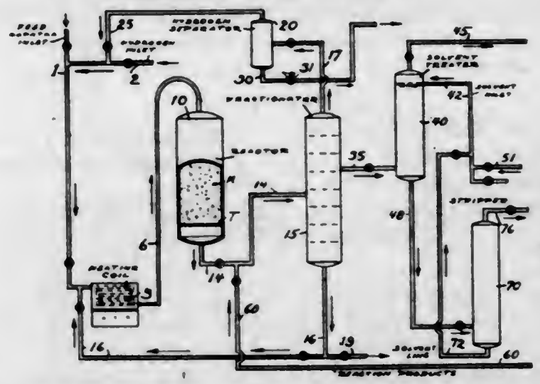
1. An electron discharge device comprising hollow-body resonators, an envelope having a conductive part providing a field-free space enclosed thereby and said field free space surrounding said resonators peripherally, said resonators having constricted openings at ends of said field-free space, a cathode in said envelope opposite an end of said field-free space for directing an electron stream through said field-free space, and a collector opposed to the cathode at the other end of said field-free space.

2,409,694
ELECTRON DISCHARGE DEVICE
Alfred H. Laidig, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 26, 1942, Serial No. 448,555
9 Claims. (Cl. 250—27.5)



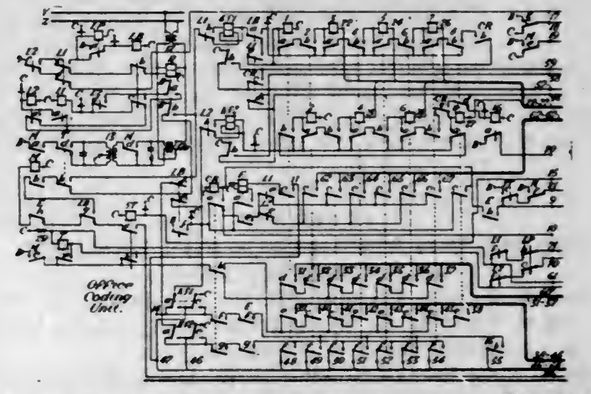
1. An electron discharge device comprising a cylindrical cathode, cylindrical and coaxial grids within and coaxial to the cathode, means between said grids for providing a field-free space therebetween, and said cathode being spaced radially outward from said means so the electrons from the cathode pass therethrough as a radially converging beam, and a collector coaxial within said grids for receiving said electrons.

2,409,695
METHOD FOR IMPROVING AVIATION FUELS
Kenneth C. Laughlin, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 30, 1943, Serial No. 474,077
5 Claims. (Cl. 260—668)



4. The method of increasing the aromaticity of a petroleum naphtha which comprises charging the feed naphtha to a first reaction zone where it contacts a molybdenum oxide-alumina catalyst at temperatures within the range of from about 850°–1100° F., simultaneously charging a hydrogen-containing gas to the reaction zone, maintaining a pressure within the reaction zone of at least about 100 pounds per square inch, permitting the reactants to remain in the reaction zone for a sufficient period of time to effect the desired conversion, withdrawing the reaction products containing aromatics and paraffins, subjecting the said products to a further treatment in a second reaction zone maintained at a temperature within the range of from about 850°–1050° F. in the presence of a promoted chromia-alumina catalyst, maintaining a pressure in the said second reaction zone substantially lower than that in the first reaction zone, permitting the reactants to remain in the reaction zone for a sufficient period of time to convert paraffins into aromatics and recovering from said second reaction zone a quantity of naphtha substantially enriched in aromatic hydrocarbons.

2,409,696
REMOTE CONTROL SYSTEM
Lloyd V. Lewis, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 6, 1943, Serial No. 478,252
12 Claims. (Cl. 177—353)

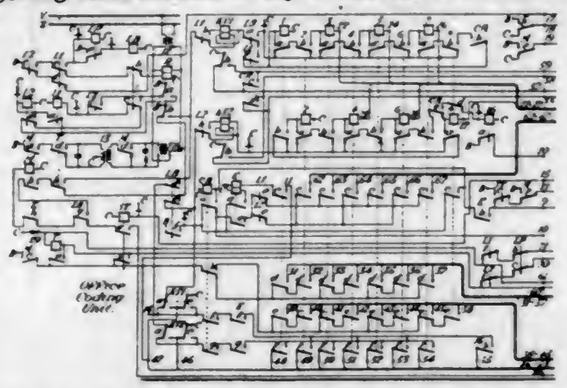


4. In a remote control system, an office and a station connected by two line wires, a line relay of the stick polar type connected across said line wires at the office and also at said station, a code transmitter at the office and at the station each effective when initiated to deliver to the line wires a series of inductively generated impulses of alternately opposite polarity to operate the line relays, said codes being characterized by pauses following certain of the impulses during which the line relays are held locally in their last operated positions, and means for discontinuing the delivery of impulses by each code transmitter during any pause in its operation when transmitting a code if the associated line relay is operated during said pause by an impulse received from said line wires.

2,409,697
TRANSMITTING APPARATUS FOR REMOTE CONTROL SYSTEMS
Lloyd V. Lewis, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application March 6, 1943, Serial No. 478,252. Divided and this application August 12, 1944, Serial No. 549,276
14 Claims. (Cl. 177—353)

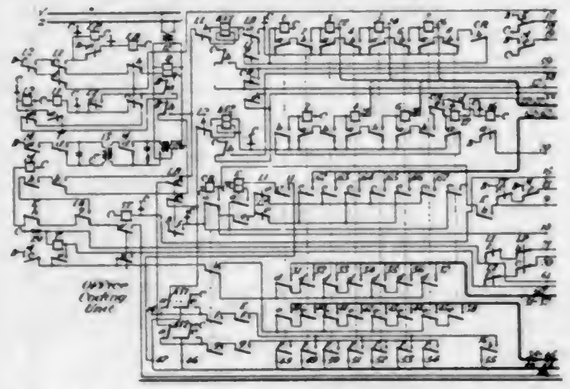
1. A code transmitter for generating different multiple element codes comprising a master relay and a transmitter relay, a group of pilot relays including one for each element in a group of selecting elements in each code, a plurality of sets of contacts including one set for each of the possible combinations of said pilot relays in their operated and released positions, circuits closed in response to the momentary operation of any set of contacts for energizing each pilot relay occupying an operated position in the combination

identifying said set of contacts, a circuit controlled by all of the pilot relays which is closed only when each occupies its energized or released position as required for said combination for energizing said master relay when said combination



is set up, means controlled by said master relay when energized for setting said transmitter relay into operation to generate a code in which the character of each selecting element is controlled in accordance with the position of the pilot relay for that element, and circuit means effective to prevent any change in the combination of pilot relays set up during the transmission of said code.

2,409,698
SELECTING APPARATUS FOR REMOTE-CONTROL SYSTEMS
Lloyd V. Lewis, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application March 6, 1943, Serial No. 478,252. Divided and this application August 12, 1944, Serial No. 549,277
17 Claims. (Cl. 177—353)

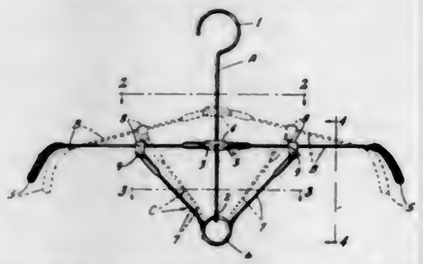


5. In a code receiver responsive to codes of time spaced impulses, a two position line relay operable to opposite positions in response to the successive impulses of the code, a register relay for each position of said line relay, timing means for each register relay controlled by the line relay for operating such register relay to a normal or reverse position in accordance with the length of time the line relay remains in the corresponding position, means for maintaining each register relay in its last operated position while the other register relay is subject to operation by its timing means, and a series of control circuits adapted to be closed one at a time in order as the successive impulses of the code are received, each including a contact closed in response to the corresponding operation of the line relay and a normal or reverse contact of that register relay the position of which indicates the time interval following the next preceding operation of the line relay.

2,409,699
PREPARATION OF CYANOMETHYL DIALKYL ORTHOFORMATES
Donald J. Loder and William F. Gresham, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 7, 1944, Serial No. 553,108
5 Claims. (Cl. 260—464)

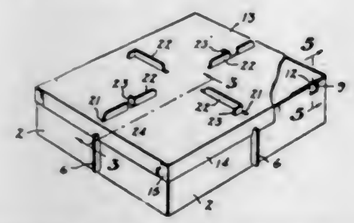
4. A cyanomethyl dialkyl orthoformate.

2,409,700
SKIRT HANGER
Edmond W. Loselle, Wyandotte, Mich.
Application March 30, 1945, Serial No. 585,632
2 Claims. (Cl. 223—95)



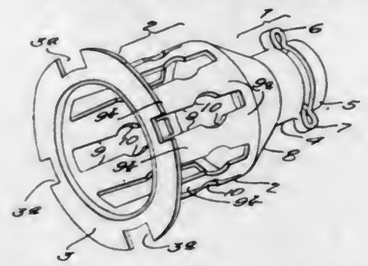
1. A garment hanger comprising a suspension member, a member slidable on said suspension member, a pair of outstanding hanger arms disposed on opposite sides of said suspension member and pivotally connected at their inner ends to the slidable member for movement therewith and vertical swinging movement relative thereto, and a supporting member for said hanger arms comprising a single torsion spring secured to said suspension member below said slidable member and having two upwardly diverging arms extending one from each end of said spring and pivotally connected one to each hanger arm for normally holding the same in a substantially horizontal position, whereby said hanger arms are inclined downwardly and outwardly when said slidable member is pulled upwardly on said suspension member and a winding action is imparted to said spring which tends to unwind and restore said hanger arms to horizontal position when the upward pull on said slidable member is released.

2,409,701
CHICK BOX
Gaylord Loth, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application July 19, 1944, Serial No. 545,636
2 Claims. (Cl. 229—15)



1. A shipping box having a body portion comprising a rectangular bottom and side walls integral with the bottom and hinged to the side edges thereof, said walls having slots intermediate their ends extending upwardly from their bottom edges and terminating short of their top edges, crossing interlocking partition members having end portions fitting in said slots and projecting past the outer faces of the side walls and end edge portions engaging the interiors of the side walls above the slots, said projecting portions having slots in the top edges thereof adjacent the outer faces of the side walls, a cover having marginal depending flanges telescopically engaging the outer faces of the side walls and extending into the slots in the top edges of the projecting portions of said partitions.

2,409,702
FASTENER
Richard W. Luce, Southport, Conn.
Application June 19, 1942, Serial No. 447,732
3 Claims. (Cl. 85—40)



1. A crimp fastener adapted to be crimped in an opening therefor in a plyable structural element and be secured therein against relative rotative and axial movement with respect thereto, the crimp fastener comprising in combination an internally threaded fastener element, a collapsible, substantially cylindrical barrel united at one end by a continuous portion to the fastener element, and an outwardly extending flange at the opposite end, the barrel being of greater internal diameter than the fastener element and including a plurality of bendable strips of substantially uniform thickness extending substantially parallel to the axis of the fastener element and of substantially the full length of the barrel, each strip being of varying resistance to bending throughout its length, whereby upon being compressed axially, the strips expand in the opening and bend in a predetermined manner.

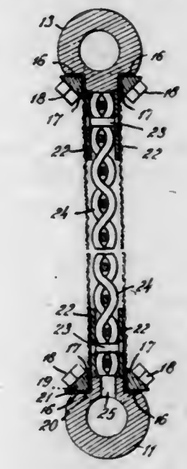
2,409,703
PREPARATION OF LAMINATING FABRIC
Arthur Lyem, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 3, 1943, Serial No. 501,150
6 Claims. (Cl. 8—131)

1. Process for the preparation of a laminating fabric, which comprises applying to a fabric containing yarns of a thermoplastic material having a basis of an organic derivative of cellulose and non-thermoplastic yarns, an aqueous dispersion of triethyl citrate, whereby a major proportion of the triethyl citrate absorbed is absorbed by the thermoplastic yarns and only a minor proportion by the non-thermoplastic yarns.

2,409,704
PRODUCTION OF LAMINATING FABRICS
Arthur Lyem, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 18, 1944, Serial No. 518,721
8 Claims. (Cl. 8—131)

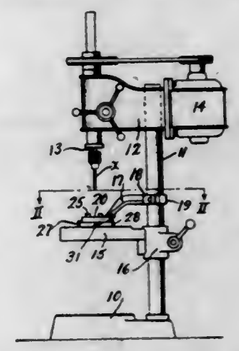
1. Process for the preparation of a laminating fabric, which comprises applying to a fabric containing yarns having a basis of a thermoplastic organic derivative of cellulose and yarns having a basis of a non-thermoplastic material, a plasticizing mixture containing a plasticizer for said thermoplastic organic derivative of cellulose, alcohol and from 5 to 10% by weight of the plasticizing mixture of water.

2,409,705
FILTER LEAF
Fredrick E. Reinhardt, Bellflower, Calif., assignor to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware
Application September 19, 1945, Serial No. 617,290
1 Claim. (Cl. 210—195)



In a filter leaf for discontinuous, stationary leaf type filters comprising a frame carrying two fine mesh wire screens constituting the filtering medium and a coarse-mesh wire separator screen mediate the fine-mesh wire screens, parallel grooves around the inside of the frame, locking elements having surfaces complementary with respect to the grooves and co-acting therewith to secure the fine-mesh wire screens to the frame, parallel plates around the inside of the frame between the grooves, and means joining the plates and passing through the coarse-mesh wire screen to secure it to the frame.

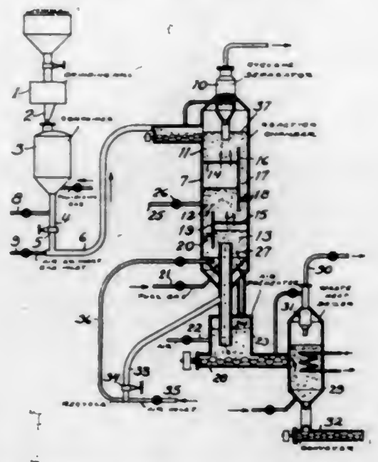
2,409,706
ATTACHMENT FOR DRILL PRESSES OR THE LIKE
Joseph L. Reppa, Chicago, Ill.
Application September 22, 1944, Serial No. 555,211
6 Claims. (Cl. 77—63)



5. A work holding attachment for a drill press or the like having a work supporting table, comprising an arm having clamping means at one end for adjustable clamping to the drill press above the supporting table and having a head at

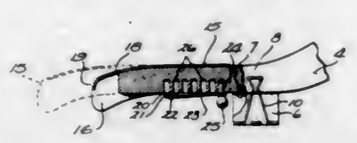
the other end overlying the supporting table, means carried by said head for engaging the opposite sides of a workpiece on said table in holding engagement, means for providing a stop to engage an end of the workpiece on the supporting table, said last means comprising a rod mounted for axial and rotative movement in said arm and having its outer end reversely bent to provide a foot to engage the adjacent end of the workpiece which is supported on said table and underneath said head, rotative movement of said rod in said arm permitting vertical adjustment of its foot with respect to the height of the workpiece, and means for securing said rod in adjusted position in said arm.

2,409,707
CEMENT MANUFACTURE
Bruno E. Roetheli, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 29, 1943, Serial No. 474,008
7 Claims. (Cl. 106—100)



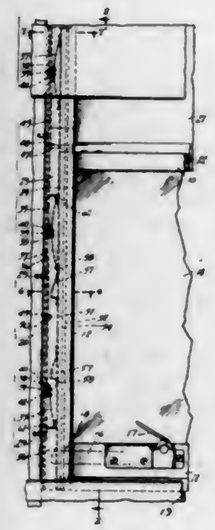
1. In the manufacture of cement, the improvements which comprise reducing the lime and clay materials used in the manufacture of cement to a fineness so that at least 90% will pass through a 100 mesh sieve, fluidizing the fine powder by contacting with continuously flowing gas and progressively raising the temperature of the fluidized powder by passing a heating gas in countercurrent flow to said material at reduced velocity adjusted to maintain a dense turbulent body of said solid materials to first drive off the moisture, second the carbon dioxide and third, to clinker the finely divided material.

2,409,708
COAT HANGER
Charles L. Rothweiler, Milwaukee, Wis.
Application July 20, 1944, Serial No. 545,796
2 Claims. (Cl. 223—90)



2. The combination of a rigid coat hanger having central arm portions of rectangular cross section, said hanger having its central portion provided with a suspension hook and having its arms provided with sockets in their under surfaces, channel-shaped sheet metal extension elements each covering the top and sides of the outer end of one of the arms in sliding fit relation thereto and having the outer end of its top downwardly curved, said extension elements being each provided with a cross plate connecting the lower edges of its side walls in proximity to the under surface of the end portion of its associated arm, a flat spring having one end secured to said plate and the other end provided with a stud engageable in any socket with which it is brought in registry, and a depending knob on the free end portion of the spring to facilitate manual retraction of the stud from an engaged socket, whereby each extension element may be instantly adjusted longitudinally of the rigid coat hanger in conformity with the width of a garment suspended from the hanger.

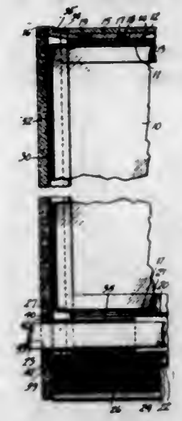
2,409,709
BUS OR CAR WINDOW CONSTRUCTION
Joseph Schunk, Union, N. J., assignor to The National Lock Washer Company, Newark, N. J., a corporation of New Jersey
Application June 9, 1944, Serial No. 539,533
6 Claims. (Cl. 189—73)



1. In a window construction, a sash guide channel including inner and outer leg portions and a base portion, a rack strip member disposed in said guide channel outwardly of its base portion, pressure spring means carried by said base portion and exerting outward pressure on said rack strip, and stop means carried by said rack strip disposed vertically above and directly engaged with the upper side of said spring means whereby said spring means receives vertical thrust on said rack strip.

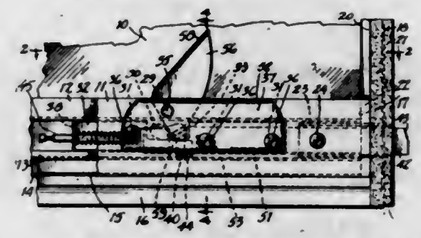
2,409,710
BUS OR CAR WINDOW CONSTRUCTION
Joseph Schunk, Union, N. J., assignor to The National Lock Washer Company, Newark, N. J., a corporation of New Jersey
Application June 23, 1944, Serial No. 541,812
8 Claims. (Cl. 189—76)

1. In a window sash assembly, a top rail having a sash glass receiving channel in its under side, a bottom rail having a sash glass receiving channel in its upper side, a pair of side straps having sash glass receiving channels in their inner sides, a rectangular sash glass engaged at its four marginal edges in said channels of said top and bottom rails and said side straps, vertically engageable interlocking hook and slot connection means cooperating between the ends of one of said rails and the adjacent ends of said side straps permitting relative inward and outward swinging movement of said side straps relatively to the ends of the other of said rails, and laterally en-



gageable lug and passage connection means cooperating between said other of said rails and the adjacent ends of said side straps engageable and disengageable through said inward and outward swinging movement of said side straps.

2,409,711
SASH LOCK FOR BUS OR CAR WINDOW CONSTRUCTION
Joseph Schunk, Union, N. J., assignor to The National Lock Washer Company, Newark, N. J., a corporation of New Jersey
Application June 23, 1944, Serial No. 541,813
3 Claims. (Cl. 292—173)

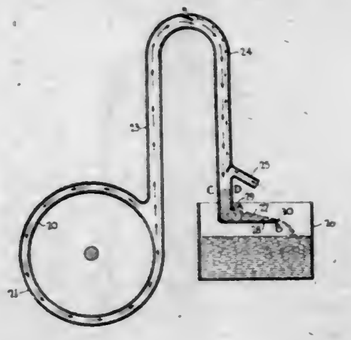


1. In a sash lock window construction, a rail having inner and outer side walls and a longitudinally extending bolt passage, said inner wall of said rail having a slot, a lock bolt disposed in said passage and projected from one end, a lock case member engaged upon the outer side of said inner wall, attaching means securing said case to said inner wall terminating between said case and the inner side of said bolt, and an operating lever pivotally mounted in said case having an actuating lug extended through said slot into engagement with said bolt.

2,409,712
CHEMICAL PROCESS AND PRODUCTS
Carl E. Schweitzer, Newport, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 3, 1944, Serial No. 520,932
12 Claims. (Cl. 260—453)

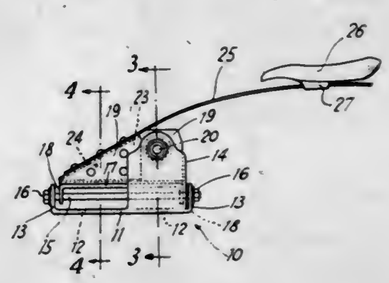
1. In a process for preparing alkyl isocyanates the steps which comprise heating an N-alkyl carbamic alkyl ester to a pyrolysis temperature of about 135° to 500° C. and immediately separating the resulting alkyl isocyanate from the pyrolysis products before the said products have had time to reunite to form the N-alkyl carbamic alkyl ester.

2,409,713
SEPARATION OF LIQUIDS FROM SOLIDS
Laurence P. Sharples, Ardmore, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application August 19, 1942, Serial No. 455,288
5 Claims. (Cl. 210—68)



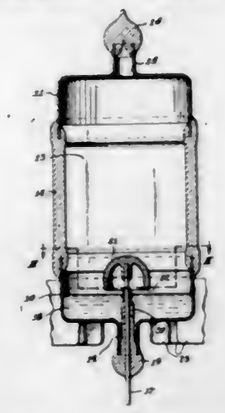
5. In an apparatus for separating liquid from solids, the combination comprising means for feeding a mixture of liquid and solids to a centrifugal rotor having a perforated wall and a circumferential edge, means for rotating said rotor to remove liquid from said solids while said solids pass along said wall to discharge over said edge, a collecting ring annularly positioned relative to said rotor, for receiving solids discharged from said edge, and having a circumferential surface sufficiently close to said edge to assemble solids discharged over said edge and against said collecting ring into a confined stream moving under the force of their rotational momentum, and means operatively connected to said collecting ring for discharging and directing said confined stream upwardly while said solids still have substantial momentum remaining.

2,409,714
SEAT
Florian P. Silhan, Marion, Kans.
Application August 17, 1944, Serial No. 549,829
1 Claim. (Cl. 155—121)



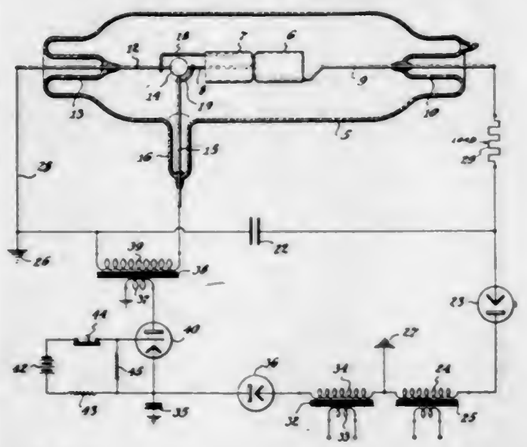
A seat comprising a base having upturned tongues at the front and rear ends thereof, a pin supported in said tongues, said base having upturned ears on the lateral edges thereof, a rocker mounted on and extending upward from said pin, a frame member mounted on said rocker and having its upper wall sloping upward in a rearward direction, an elongated strip having one end secured to said upper wall and extending rearward and having a seat mounted thereon distant from said upper wall, resilient means mounted between said rocker and said ears, a bolt supported in said ears and passing loosely through said rocker, said resilient means comprising coiled springs surrounding said bolt.

2,409,715
ELECTRIC ARC DEVICE
Charles M. Slack, Glen Ridge, and Edward G. F. Arnott, Upper Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 27, 1942, Serial No. 428,352
11 Claims. (Cl. 250—27.5)



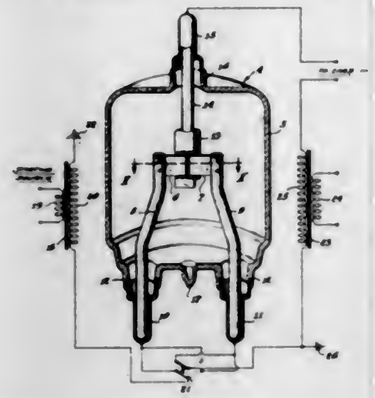
1. An electric arc device comprising an envelope having an anode and cathode, said cathode providing a pool, an ignitor electrode protruding through the pool, and a shield around said electrode, said shield having a lower edge parallel to the pool surface in spaced proximity to an underlying portion of said pool surface thereby forming a gap the length whereof parallels the pool surface and the width whereof is normal to the pool surface said lower edge of said shield constituting a limitation to exposure of the electrode thereunder.

2,409,716
HIGH-VOLTAGE DISCHARGE DEVICE
Charles M. Slack, Glen Ridge, Louis F. Ehrke, Newark, and Clarence E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1941, Serial No. 412,566
8 Claims. (Cl. 315—326)



6. A field emission arc discharge device comprising an envelope, an anode in said envelope, and a cathode disposed adjacent said anode, said cathode comprising a pair of closely spaced elements for causing an arc discharge upon the application of a suitable potential across said elements, and said arc discharge forming an electron-emitting source for supporting a thermionic discharge between said cathode and anode substantially independent of any action due to residual gas or vapor in said device.

2,409,717
FIELD EMISSION ARC DISCHARGE TUBE
Charles M. Slack, Glen Ridge, and Andrew Pfeiffer and Clarence E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1942, Serial No. 459,774
7 Claims. (Cl. 250—27.5)



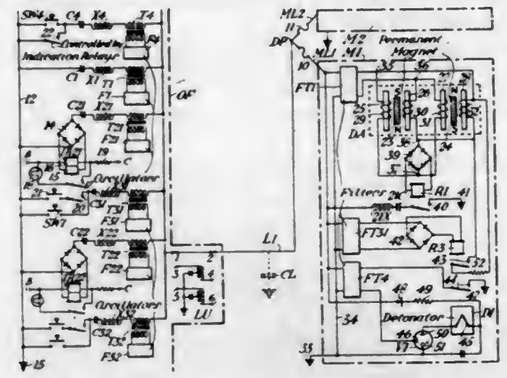
1. A discharge device wherein operation is initiated by field emission of electrons comprising a pair of oppositely disposed spaced electrodes between which a field emission arc discharge occurs upon the application of a potential thereto, and an anode positioned on each side of said oppositely disposed electrodes and overlapping the space therebetween for supporting an electron discharge with one of the electrodes of said pair immediately following initiation of the field emission arc discharge between said pair of electrodes.

2,409,718
COMPOSITION FOR CLEANING DENTURES
Foster Dee Snell, New York, and Kurt W. Haeseler, Forest Hills, N. Y., assignors to Foster D. Snell, Inc., a corporation of New York
No Drawing. Application November 13, 1941, Serial No. 419,028
2 Claims. (Cl. 252—106)

1. A denture cleaning composition comprising a dry free flowing powder of the following composition: sodium salt of 2,2' dihydroxy 3,5,6-3',5',6' hexachlorodiphenylmethane 0.5–2 parts, sodium perborate 5–10 parts, tetrasodium pyrophosphate 20–70 parts, sodium lauryl sulfo-acetate 1.5–5 parts, tricalcium phosphate 2–3 parts, and sodium chloride as diluent to make 100 parts total, all proportions being by weight.

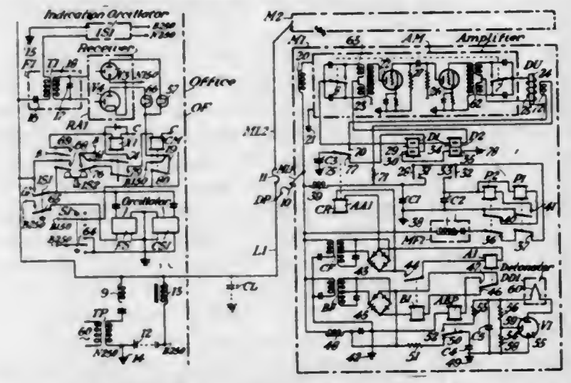
2,409,719
APPARATUS FOR SELECTIVE CONTROL AND INDICATION SYSTEMS
Andrew J. Sorensen, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 27, 1943, Serial No. 507,877
4 Claims. (Cl. 177—353)

2. In a control and indication system, the combination comprising, a first and a second location, a line circuit including at least one metallic conductor extending between said locations; an oscillator, a filter and a relay at said first location; said oscillator to supply current of a preselected frequency and connected to said line circuit through said filter and a winding of said relay; said filter to tune the circuit formed by said oscillator, filter, relay winding and distributed capacitance of said line circuit with respect to ground to resonance at said preselected frequency to energize said relay by the line charging current supplied by said oscillator, a shunt circuit including capacitance and inductance at said second location, and means including a normally



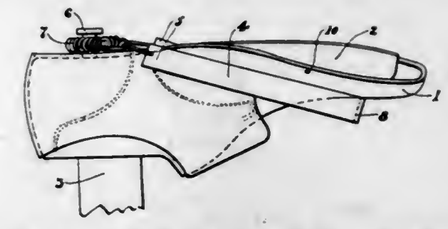
open contact to at times connect said shunt circuit across said line circuit to detune the line circuit to reduce said charging current for operating said relay by the variation thus created in its energization.

2,409,720
SELECTIVE CONTROL AND INDICATION SYSTEM
Willard P. Place, Penn Township, Allegheny County, and Alfred B. Miller, Edgewood, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 4, 1943, Serial No. 508,948
13 Claims. (Cl. 177—353)



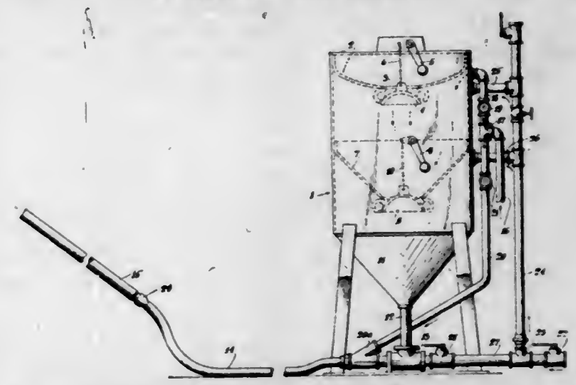
1. In combination, an office, an electric equipment connected to said office by a line circuit, an office indication oscillator of a preselected frequency connected to said line circuit to supply a line charging current of a given normal value, two indication relays at said equipment, means including a magnetic responsive unit connected to said relays to operate one relay in response to a first condition of a magnetic field and to operate the other relay in response to a second condition of a magnetic field, a selector circuit including a filter tuned to resonance at said preselected frequency and governed by said indication relays to be connected across said line circuit when either one of said relays is operated to vary the value of the current supplied by said indication oscillator to said line circuit, means controlled jointly by said relays when both relays are operated sequentially to disconnect said selector circuit to restore the current supplied by said oscillator to its normal value, and office indicating means coupled to said oscillator and governed by the indication current thus supplied by it to the line circuit.

2,409,721
DEVICE FOR CONFORMING A SHOE UPPER TO THE SHAPE OF A LAST
Maurice Spack, Newton Center, Mass.
Application March 29, 1945, Serial No. 585,427
3 Claims. (Cl. 12—107)



1. A device for shaping shoe uppers comprising a last having its bottom face at the heel portion offset from the bottom face at the toe portion, a strap-like element of flexible material having the form of an elongated closed loop adapted to embrace the toe portion of the last and hold the upper conformed to the last, some portion at least of said strap-like element being elastic, and means to anchor said strap-like element to the bottom of the heel portion of the last, whereby the side portions of the closed loop strap-like element extend from the bottom of the heel portion of the last to the sides of the fore part portion and thus hold the upper snugly against the sides of the last at the shank thereof.

2,409,722
SAND BLASTING APPARATUS
William Stark and Alphonsus P. Gately, Wilmington, Calif., assignors to Todd Shipyards Corporation, New York, N. Y., a corporation of New York
Application January 16, 1945, Serial No. 573,034
4 Claims. (Cl. 51—8)

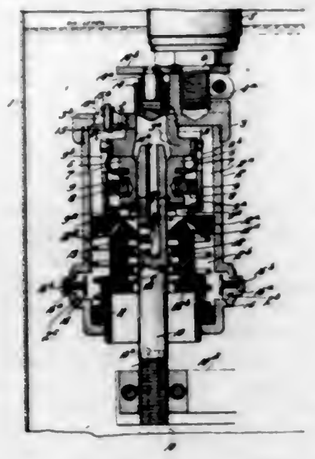


4. In a sand blasting apparatus, a supply tank containing abradant mixture including a liquid and having at its outlet an ejector connected with a source of air under pressure to expel the abradant from the tank, a fitting connected with the ejector and to which is connected a source of liquid for admixture with the abradant, a hose connected to the outlet of said fitting and having at its terminal end a nozzle comprised of a length of pipe having a uniform bore.

2,409,723
OIL CIRCUIT BREAKER
Fred M. Terry, Jackson Heights, N. Y., assignor to Realty and Industrial Corporation, a corporation of New Jersey
Application December 23, 1943, Serial No. 515,333
5 Claims. (Cl. 200—150)

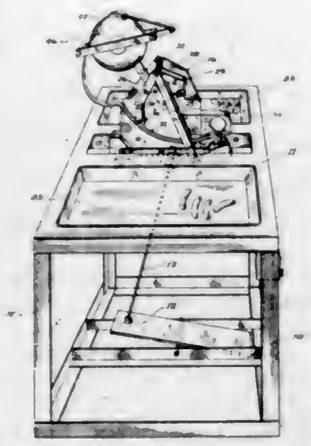
1. An oil circuit breaker comprising a stationary contact, a movable contact, an enclosing cas-

ing, a differential piston within the casing forming an oil chamber at one end of the casing and an arcing chamber at the other end of the casing, said piston having a central opening forming a throat through which the movable contact passes to engage the stationary contact, said pis-



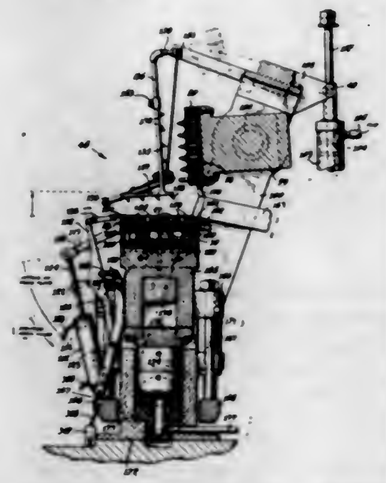
ton also having an opening for the passage of oil from the oil chamber to the arcing chamber against the arc at said throat, said opening being directed towards said stationary contact, and said piston being movable in the direction of the movable contact in its opening movement by the pressure in the casing.

2,409,724
BANDING MACHINE
Charles T. Walter and Lowell R. Newton, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 15, 1941, Serial No. 422,973
14 Claims. (Cl. 216—29)



1. A machine for banding an article with a label, having means to deliver a strip of labels including means for pulling the label strip to tension the end label of the strip around the article with the ends of the label overlapped, means to time said means to deliver such that the strip is fed forwardly as the banded article is being withdrawn from the machine, and means operative after said label has been tensioned around the article to sever the end label from the strip and affix it to the article by joining the overlapped ends.

2,409,725
AUTOMATIC MOLDING OF PLASTICS
James B. Whitmore, Bloomfield, William Makenny, Mountain View, and Frank A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 4, 1941, Serial No. 386,790
8 Claims. (Cl. 18—16)



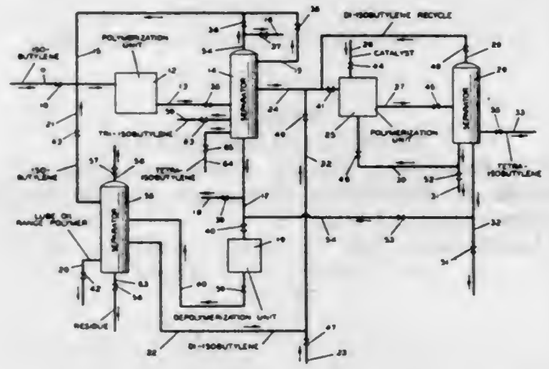
8. Apparatus for molding plastic material comprising a hopper for distributing pellets thereof, a loading carriage comprising upper and lower plates, said upper plate having a plurality of apertures to receive said pellets, said lower plate being similarly apertured, so that in one relative position it supports and in another it releases pellets in said upper plate apertures, means for operating said hopper to automatically deliver pellets simultaneously in all apertures of the upper plate when the lower plate is in supporting position, a molding press formed with upper and lower mold elements corresponding in number and arrangement with the pellet-holding apertures of said upper plate, means in each of said lower mold elements which are engaged by the articles being formed, means for automatically moving said carriage from beneath said hopper to above said lower mold elements and depositing said pellets simultaneously in all of said lower mold elements, means to bring said mold elements together to compress said pellets and then separate said elements after a predetermined time interval, means to automatically lift said molded articles from said lower mold elements by raising said article-engaged means, means to then lower said means, article-supporting means, means to move said supporting means under all of said lifted articles to hold the same after the article-engaged means descend to normal position, and means for delivering a blast of air to remove said articles from said supporting means.

2,409,726
LUBRICANT COMPOSITION
Carl Winning, Westfield, and John G. McNab, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 28, 1941, Serial No. 395,614
10 Claims. (Cl. 252—32.7)

1. A machinery lubricant suitable for use at high temperatures comprising a major proportion of a mineral oil base stock, a minor proportion, sufficient to impart substantial detergent properties to said lubricant, of a metal salt of a poly-

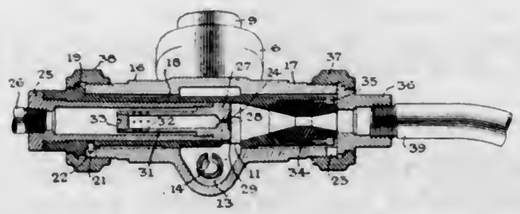
basic inorganic acid which contains at least one oil-solubilizing organic group, and a minor proportion, sufficient to inhibit varnish formation, of a higher alcohol.

2,409,727
PRODUCTION OF OLEFIN POLYMERS
Grant C. Bailey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 30, 1942, Serial No. 428,966
5 Claims. (Cl. 260—683.15)



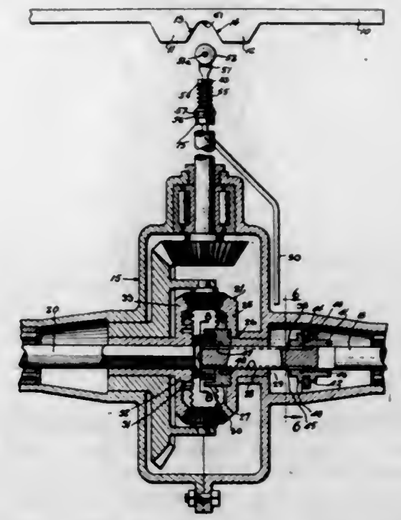
4. A process for the production of tetra-isobutylene by polymerization of di-isobutylene without the formation of substantial amounts of tri-isobutylene, which comprises subjecting di-isobutylene in the liquid phase to the action of phosphorus pentoxide at a temperature within the range of approximately 0° C. to approximately 100° C.

2,409,728
SANDER
Wayne A. Baldwin, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application May 15, 1944, Serial No. 535,681
2 Claims. (Cl. 291—11)
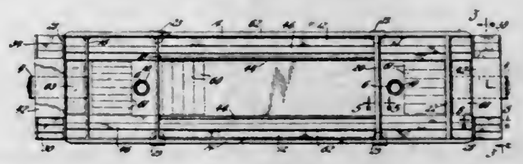


1. In a sand trap, the combination of a body having a sand-inlet connection, a sand-retaining chamber to which said connection leads and an open-ended transverse passage intersecting said chamber; an ejector assembly insertable into said passage in relatively reverse positions from respective ends thereof, said assembly comprising a jet nozzle with air supply connections, and a Venturi throat of rubber-like material and a sustaining sleeve serving to position said nozzle and throat in fixed coactive relation and so that the end of the throat is exposed at the end of the sleeve; a sand-discharge connection; and means operable interchangeably to connect the air supply end of the assembly to the body, and to connect the sand discharge connection to the body and seal it against the exposed end of the Venturi throat.

2,409,729
DIFFERENTIAL LOCKING MEANS
Edward T. Barron, Minneapolis, Minn.
Application August 19, 1944, Serial No. 550,285
6 Claims. (Cl. 74—316)



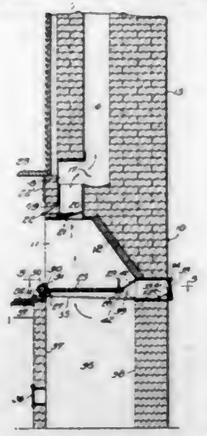
1. In an automobile, a device for connecting the rear axles together for simultaneous rotation, comprising a front wheel spindle connecting rod having a notch provided with cam surfaces intermediate the ends of said rod, a shiftable rod having a roller positioned adjacent the notch and adapted to be moved into the notch when said rod is shifted toward the connecting rod, a clutch element fixed to one rear axle, a second clutch element rotatable with the other axle and slidable thereon, means moving the slidable clutch elements into operative engagement with the first clutch element for connecting the axles together, means operatively connecting the moving means with the shiftable rod, and manual means for forcing the shiftable rod towards the connecting rod and the roller into the notch so that the moving means will bring the clutch elements together, reciprocation of the connecting rod when the automobile is steered to the right or left causing the roller to ride on a cam surface and force the shiftable rod and roller sufficiently away from the connecting rod to cause disengagement of the clutch elements.

2,409,730
LOCOMOTIVE UNDERFRAME
Martin P. Blomberg, Hinsdale, Ill., and Olaf J. Stampen, Arlington, Va., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 13, 1943, Serial No. 514,070
16 Claims. (Cl. 105—172)



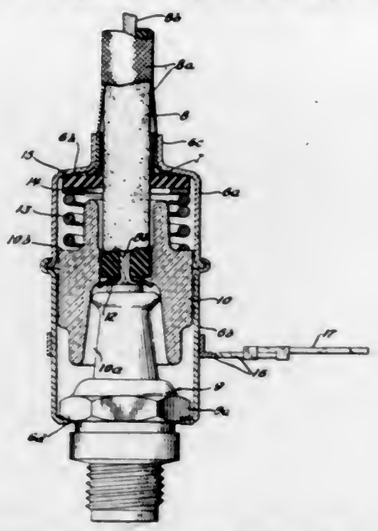
4. In an underframe structure, the combination of a plurality of horizontally extending base plates having their contacting edge portions welded together, transversely extending end members welded to some of said base plates, and coupler pockets welded to and supported solely from said base plates and end members.

2,409,731
FIREPLACE
George Noel Bolinger, Shelbyville, Ill.
Application February 25, 1944, Serial No. 523,869
6 Claims. (Cl. 126—120)



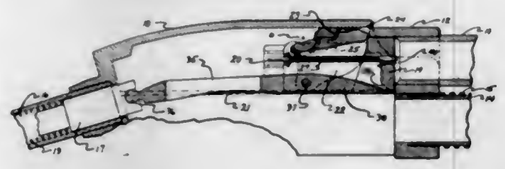
1. A fireplace construction comprising a wall structure having an external side and an inside and being provided with a fireplace opening having an open mouth extending through such inside of the wall structure, a substantially horizontal grate arranged in said fireplace opening in a plane close to the level of the bottom of the mouth of said fireplace opening, said wall structure having a draft opening therethrough communicating with said fireplace opening and extending through the external side of said wall structure, and a draft control plate arranged between said draft control opening and the adjacent edge of said grate and mounted to swing on a horizontal pivot to control the relative flow of air through said draft opening above and below said grate.

2,409,732
SCREENING DEVICE FOR SPARK PLUGS
Donald Bennion Browne, Harpenden, Frederick William Clarke, Totternhoe, and Rex Henry George Painter, Dunstable, England, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 11, 1943, Serial No. 505,764
In Great Britain October 30, 1942
7 Claims. (Cl. 123—169)



1. A screening device for spark plugs wherein the screen (or a part thereof) has a means for effecting its quick attachment to or detachment from a spark plug (or to or from a part of the screen temporarily non-detachably associated with a spark plug) and wherein there is disposed within the screen (or the detachable part thereof) an insulator which is capable of movement relatively to the screen (or detachable part thereof) and which is adapted partially to envelop a spark plug and to which insulator the conductor lead may be anchored and wherein spring means is interposed between the insulator and the screen (or the detachable part of the screen with which the insulator is associated) said spring, when the device is in use on a spark plug, serving inter alia to ensure the attachment of the screen (or of the detachable part thereof) to a spark plug (or to the part of the screen temporarily non-detachably associated with the spark plug) and to secure an efficient electrical connection between the conductor lead and a spark plug.

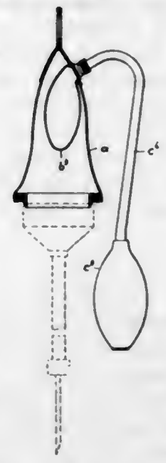
2,409,733
REPEATING FIREARM
Val A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah
Application July 18, 1945, Serial No. 605,774
10 Claims. (Cl. 42—4)



1. In a recoil-operated firearm of the character described, a receiver, a barrel having a barrel extension member mounted for reciprocation in the receiver and provided with a locking shoulder, a breech block member carried by said receiver and mounted for reciprocation therein, a locking block movably carried by said breech block member and having a shoulder arranged to engage said first-mentioned shoulder when the breech block member is locked to the barrel extension, an inertia member mounted for reciprocation at the rear end of the receiver, a link pivotally connected to said locking block and inertia member, and interengaging means between the link and one of said members for moving the locking block towards unlocked position and imparting added velocity to the link and inertia member upon recoil movement of the barrel extension.

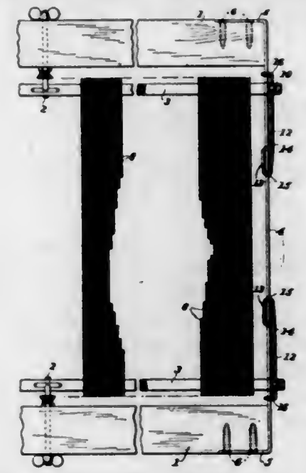
2,409,734
INSTRUMENT FOR BLOOD TRANSFUSION
Rudolf Bucher, Basel, Switzerland, assignor to the Swiss firm of G. Laubscher & Co., Basel, Switzerland
Application September 4, 1942, Serial No. 457,340
In Switzerland September 20, 1941
2 Claims. (Cl. 128—214)

1. An instrument for the transfusion of liquids, such as blood plasma, whole blood and serum, comprising a primary sealed rubber bag having a mouth, a flanged threaded bushing fitted in said mouth, a secondary sealed rubber bag so associated with the primary bag as to contract the volume of the latter when inflated, means for inflating said secondary bag, said bushing being splayed out to form a seat, a nut screwed on said bushing, a ring clamped together with the peripheral edge of the bag mouth intermediate the bushing flange and said nut, said ring having diametrically opposed bails, a combination filter and outlet nipple having a seat matching the bushing seat to cooperate therewith, a screw cap engageable over said nipple and threadable to said bushing, and means for conducting the



liquid from said bag and nipple to the transfusion point.

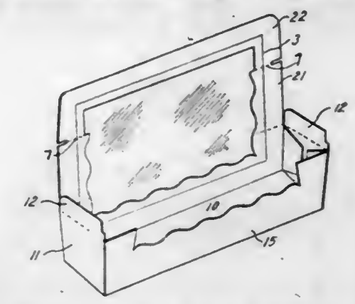
2,409,735
HEDDLE BAR LOCK
David Edward Buice, Sr., Ellenwood, Ga.
Application April 30, 1945, Serial No. 591,007
4 Claims. (Cl. 139—92)



1. A heddle bar locking structure comprising a pin adapted to movably extend through the end opening in a heddle bar, said pin being provided with an aperture in one end thereof, and an element for securing said pin against movement out of said bar-end openings comprising a spring wire element including a substantially straight portion adapted to extend through the aperture in the pin, one end of the wire element being angled to releasably engage the harness end of a heddle frame and the opposite end of the wire element being adapted to be secured to said harness end.

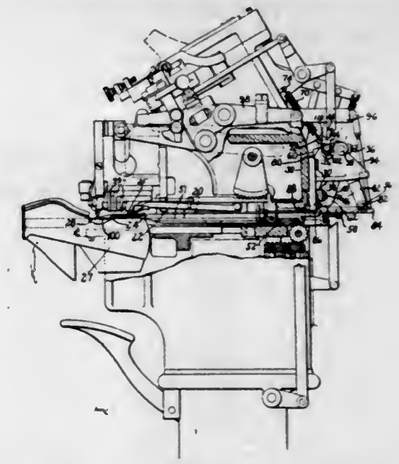
2,409,736
PAPER DISPLAY CARTON WITH TRANSPARENT WINDOW
Joseph D. Calmi, Everett, Mass.
Application September 29, 1944, Serial No. 556,356
1 Claim. (Cl. 206—44)

A blank assembly for a carton, comprising a bottom, end walls, end wall extensions having lock notches cut therein, front and rear walls, said front wall having a cut out portion, glue flaps crease-hinged to the ends of the front and rear walls, a cover crease-hinged to the rear wall, a tuck element crease-hinged to the cover having a locking slot at each end thereof; a window-opening extending through portions of the rear



wall, the cover, and the tuck element, and a sheet of flexible, transparent material covering said window-opening.

2,409,737
CHIP EJECTOR FOR HEEL SEAT FITTING MACHINES
Thomas Baggott Clarke and Frederick William Henry Williams, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 8, 1945, Serial No. 581,585
In Great Britain June 6, 1944
7 Claims. (Cl. 12—31.5)

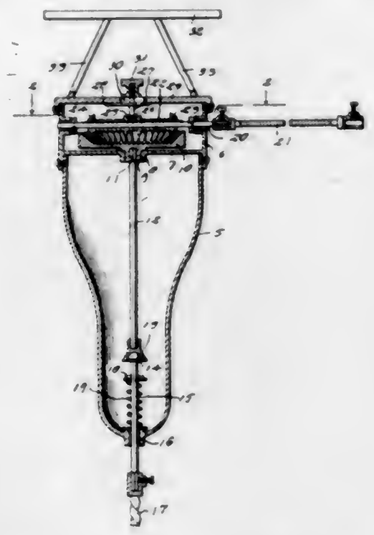


1. In a heel seat fitting machine, a movable spring-energized actuator having a fixed driving stroke, a reciprocatory ejector bar movable to remove a chip from the machine, positive driving means between the actuator and the ejector bar, mechanism comprising a cam for rendering said driving means inoperative to cause chip ejecting movement of said bar to cease, and means for setting said cam in different adjusted positions in order to cause the actuator to be disconnected from the bar at different portions of the driving stroke of the actuator.

2,409,738
REVERSING MECHANISM FOR POWER OPERATED DRILLS
Clarence L. Conner, McFarland, Calif.
Application January 19, 1945, Serial No. 573,497
2 Claims. (Cl. 74—378)

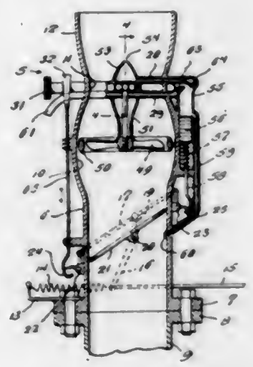
1. In a power operated drill, a housing, a driven shaft journaled therein and having a ring gear keyed to one of its ends and disposed in the housing, a driving shaft journaled in the housing at a right angle to the driven shaft, a sleeve slidably keyed to the driving shaft and having bevel gears on the ends thereof spaced apart a distance less than the diameter of the toothed portion of the

ring gear, said bevel gears being disposed for movement selectively into and out of meshing engagement with the ring gear, and actuating means rotatably connected to the sleeve and slid-



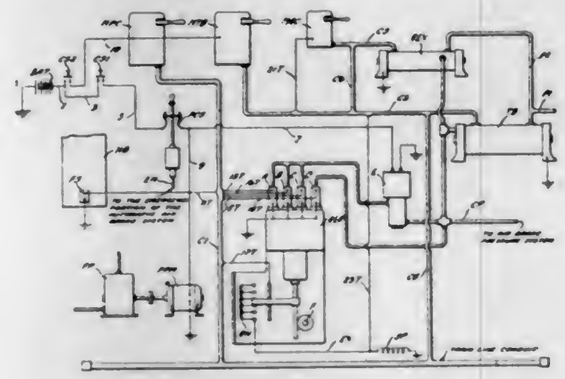
ably connected to the housing for slidably moving the sleeve relatively to the driving shaft to move the bevel gears selectively into and out of meshing engagement with the ring gear.

2,409,739
CARBURETOR
Severin F. Czerner, Kings Mill, Tex.
Application July 31, 1944, Serial No. 547,354
1 Claim. (Cl. 261—34)



An accelerator pump for carburetors of a type including a tubular body having a throttle valve therein and also having a fuel pump provided with a discharge nozzle and a fuel supply line for the fuel pump, a pump cylinder carried exteriorly of said body, a vertically movable piston within said cylinder, said fuel supply line opening into said cylinder above said piston, a fuel supply connection extending laterally from said nozzle to the outer side of said body and opening into said cylinder above said piston, a normally open check valve in the cylinder connected end of said fuel supply line and adapted to close during upward movement of said piston, a normally closed check valve in the cylinder connected end of said fuel supply connection and adapted to open during the upward movement of said piston, a priming fuel supply connection extending from said cylinder above said piston and opening into said body at a point between said throttle valve and the manifold connected end of said body, said priming fuel supply connection being in open communication with said cylinder when said piston is normally disposed, said throttle valve being adapted to have a limited opening movement when subjected to the initial suction from within the manifold, and connecting means between said throttle valve and said piston for actuating the latter to close the priming fuel supply connection when the limit of the initial opening movement of the throttle valve is reached.

2,409,740
LOCOMOTIVE CONTROL SYSTEM
Richard M. Dilworth, Hinsdale, Torsten O. Lilquist, Clarendon Hills, and Donald H. Queeney, Naperville, Ill., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 6, 1943, Serial No. 501,404
6 Claims. (Cl. 105—35)

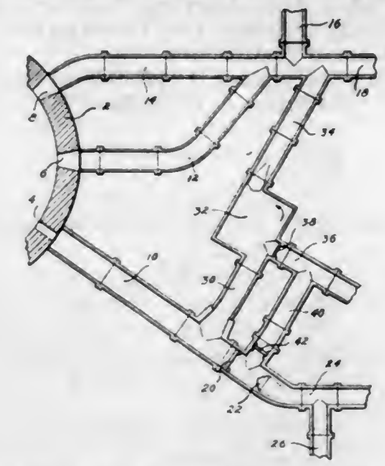


1. A control system for a locomotive including an automatic air brake system, a generating electric traction system comprising a power plant and a plurality of traction motors, means for electrically connecting said motors in forward and reverse driving and braking circuit relations with said power plant, output regulating means for said power plant, and automatic control means for said output regulating means acting in response to an emergency application of said air brakes to automatically prevent operation of said power plant at other than a minimum value of output sufficient to cause said motors, when connected in braking circuit relation with the power plant, to serve only as brakes.

2,409,741
SETTLING BASIN FOR BLAST FURNACE CINDER RUNNERS
Herman F. Dobscha, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application July 19, 1945, Serial No. 606,011
11 Claims. (Cl. 266—38)

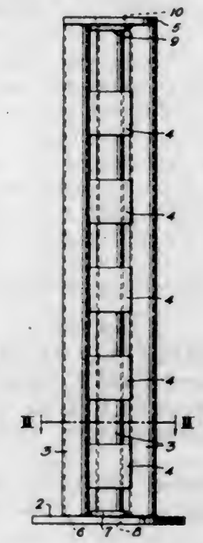
1. In the combination of a blast furnace having a cinder runner, the improvement which comprises a settling basin connected at one end thereof to the cinder runner, said settling basin having a width substantially greater than the width of the cinder runner feeding the basin, a second cinder delivery runner connected to the opposite end of the settling basin from the first cinder runner, said second cinder runner being of a width substantially less than that of the settling basin, the first and second cinder runners at their points of connections to the settling basin being substantially parallel and offset relative to each other

a substantial distance so that the areas of flow of cinder into and out of the settling basin pro-



jected within the basin are spaced from each other at all points.

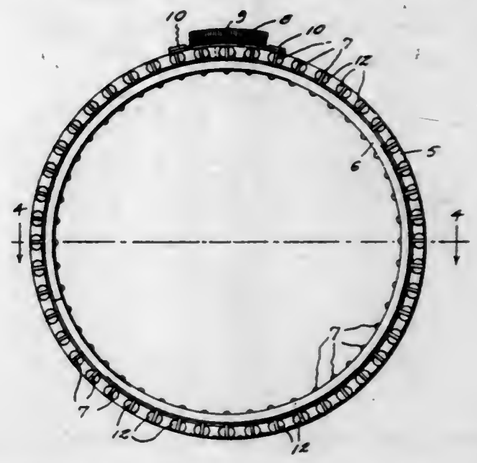
2,409,742
COIL SUPPORTING ARBOR
James W. Dougherty, McKeesport, Pa., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 8, 1943, Serial No. 501,580
5 Claims. (Cl. 263—47)



5. A coil supporting arbor comprising a base on which the coils are supported, a plurality of spaced apart tubes welded to said base inwardly of the periphery thereof and rising therefrom, said tubes being positioned to form an equilateral triangle, said base having openings therein between the tubes, a plurality of intermediate reinforcements at spaced elevations welded to said tubes, and a plate welded to the top of the tubes to hold them in spaced relationship, each of said base and top plate having a central opening therein.

2,409,743
HAND LOOM
Monte K. Durrin, Little Rock, Ark.
Application November 15, 1944, Serial No. 563,511
1 Claim. (Cl. 28—15)

A hand loom comprising an outer frame, an inner frame, said inner frame being provided with a multiplicity of outstanding work holding pins, the outer frame being provided with a multiplicity of notches for receiving the outer ends of said pins to guard against work thread catching thereon, the outer frame being split and a resilient connector between the ends of said outer frame,



said resilient connector including a ridged guide, said guide having one edge notched to coincide with the notches of the adjacent edge of the outer frame.

2,409,744
NECKTIE
Robert E. Edmonson, Beaumont, Tex.
Application December 2, 1943, Serial No. 512,626
3 Claims. (Cl. 2—148)

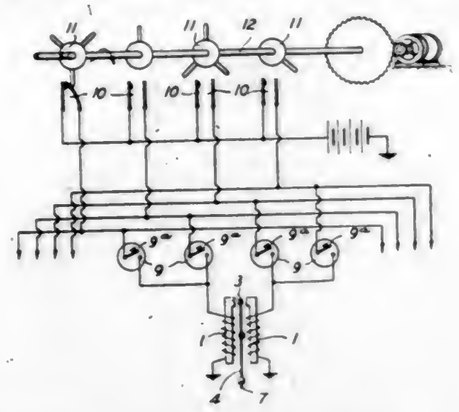


1. A tie of the four-in-hand type having a knot-forming part, a slip end about which the knot is tied and an intermediate neck-encircling part with laterally spaced strips of frictional surface stiffening material positioned on the exterior of the back face of the knot-forming part and extending toward the end of said part beyond the portion actually involved in tying the knot.

2,409,745
RECORDING APPARATUS
Gustaf Göte Albin Ericsson, Lund, Sweden, assignor to A.-B. Ljussignaler, Lund, Sweden, a corporation of Sweden
Application September 15, 1942, Serial No. 458,412
In Sweden June 10, 1939
2 Claims. (Cl. 234—1.5)

1. A recording system of the character described, comprising a stylus for recording on a travelling strip, an electromagnet for operating said stylus, a pair of machine controlled switches connected in parallel in the circuit of said electromagnet, and a corresponding number of cam controlled impulse contacts connected in series each with one of said machine controlled switches in the circuit of said electromagnet, each cam

control comprising a different number of lobes, the lobes of the different cams for the different

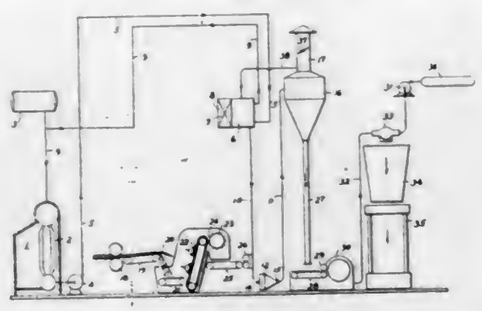


impulse contacts being out of phase with one another.

2,409,746
MOTOR FUELS
Theodore W. Evans, Oakland, and Alfred G. Cattaneo, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 31, 1940, Serial No. 348,838
4 Claims. (Cl. 44—56)

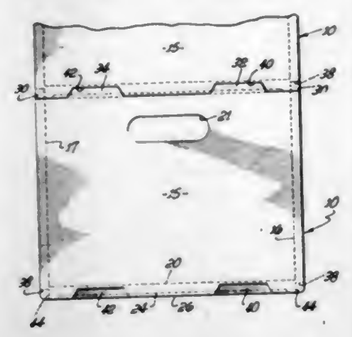
4. An improved motor fuel for supercharged spark ignition engines comprising a mixture of methyl tertiary butyl ether and gasoline hydrocarbons containing a substantial amount of hydrocarbons selected from the group consisting of iso-octane, neohexane, triptane, and mixtures thereof.

2,409,747
DRYING STAPLE FIBERS
Herman C. R. Folmer, Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application January 19, 1944, Serial No. 518,803
2 Claims. (Cl. 34—12)



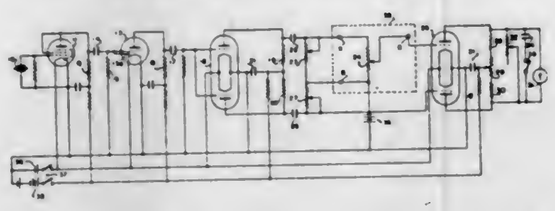
1. Method of handling moisture-laden artificial fibers which comprises subjecting the fibers in the form of a web to a disintegrating operation to loosen the fibers, opening the loosened fibers, continuously projecting the opened fibers into a current of hot air, throwing the fibers suspended in the air current upwardly along an unimpeded substantially vertical path to dry the fibers while permitting uniform free shrinkage thereof, continuously separating the dried fibers from the air after they have been in contact therewith for a period of time not longer than about five seconds, and collecting all of the separated fibers to prevent commingling thereof with moisture-laden fibers.

2,409,748
PLASTIC MILK CARTON CASE
Louis C. Folst, Los Angeles, Calif., assignor to Edgewick Investment Co., Los Angeles, Calif., a corporation of California
Application October 2, 1944, Serial No. 556,689
1 Claim. (Cl. 220—97)



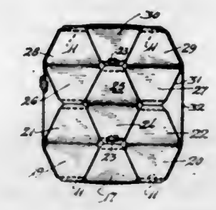
A smooth, unitary, splinterless case for waxed paper, milk cartons and the like comprising: unitary side walls, end walls and bottom, the bottom being reticulated and raised above the level of the bottom edges of the side and end walls; the upper edge of each of said walls being provided with a pair of spaced, upwardly extending projections integral with the walls, each of said projections having an outer face flush with the outer surface of the wall, with two end faces sloping inwardly toward the top, and an inclined face sloping outwardly and upwardly from the inner surface of the wall; the bottom edge of each of said walls being provided with a pair of upwardly extending recesses spaced to receive projections of a case upon which the instant case is stacked, the recesses being open to the outside faces of the walls and adapted thereby to furnish auxiliary hand holds, the end walls of each recess being inclined to guidingly receive and center the projections of a case upon which the case is stacked.

2,409,749
INDICATING SYSTEM
John H. Foulger and Paul E. Smith, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 20, 1943, Serial No. 511,030
9 Claims. (Cl. 128—2.06)



1. A cardiometer for indicating the relative content of a predetermined characteristic in two predetermined frequency spectrums of heart sounds one of which is substantially contained within the other comprising, means for deriving and translating a first electrical signal corresponding to the content of one of said spectrums of heart sounds, means including a series condenser and a shunt resistor for deriving and translating a second electrical signal corresponding to the content of the other of said spectrums of heart sounds, means coupled to said means for deriving and translating said first signal for deriving a third signal varying in accordance with the content of said predetermined characteristic in said first electrical signal, means coupled to said means for deriving and translating said second signal for deriving a fourth signal varying in accordance with the content of said predetermined characteristic in said second electrical signal, and means differentially responsive to said third and fourth signals for indicating said relative content.

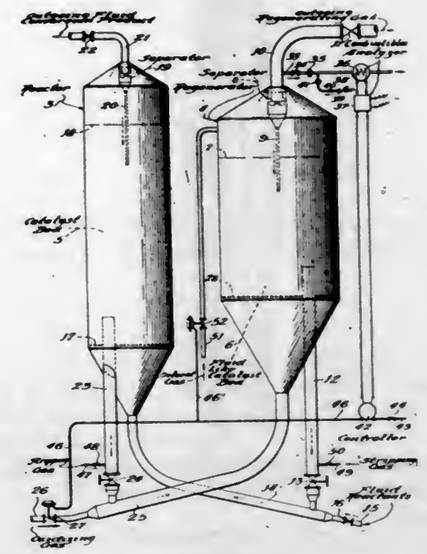
2,409,750
BUNDLE AND METHOD OF PRODUCING THE SAME
Jenness B. Frear, Evanston, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application July 29, 1944, Serial No. 547,229
4 Claims. (Cl. 206—65)



1. In a bundle, the combination of two upwardly tapered ingots arranged in base to base relationship to each other, two other upwardly tapered ingots also arranged in base to base relationship to each other and positioned in spaced relation to said first named ingots at one side thereof, said ingots being provided with aligned transverse notches thereacross at intermediate points thereon, a flexible binder in the form of a loop extending about said ingots and engaging said notches, two other upwardly tapered ingots interposed between said first named ingots and said second named ingots outside of said binder and having transverse notches in their top faces engaging said binder, said third mentioned ingots serving when pressed forcibly toward each other to tighten the binder strongly in interlaced position with respect to the several ingots, and means comprising a second binder extending about said first named binder and about the several ingots for holding said third named ingots pressed inwardly in tightening relationship to said first named binder.

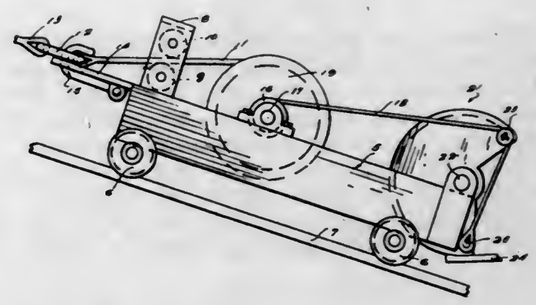
2,409,751
CATALYTIC CONVERSION OF HYDROCARBONS
Clarence G. Gerhold, Chicago, Ill., and John E. Burgess, Sweeney, Tex., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 22, 1943, Serial No. 515,266
8 Claims. (Cl. 196—52)

1. In a process wherein a bed of subdivided solid material susceptible to damage at high temperature is contacted in a confined zone with oxidizing gas to burn combustibles from the bed and resulting gaseous products, including any incompletely oxidized combustibles and unconsumed free oxygen, are discharged from the bed and from said zone through a region within the latter containing solid particles and in which the solid particle concentration is insufficient to effect the rapid dispersion of heat developed therein, the method of preventing the development of a temperature within said region which would cause damage to the solid material which comprises removing from said region a sample stream of said gaseous products and subjecting the same to combustion outside said region, diluting the mixture existing in said region with a sufficient



quantity of non-combustible gas to render it non-flammable therein, and controlling the extent of such dilution in response and in direct relation to the temperature rise resulting from the combustion of said sample stream.

2,409,752
LOAD PICKUP HAULING AND DUMPING CONVEYANCE
Percy E. Goodwin, Salmon, Idaho
Application June 9, 1945, Serial No. 598,434
3 Claims. (Cl. 214—130)

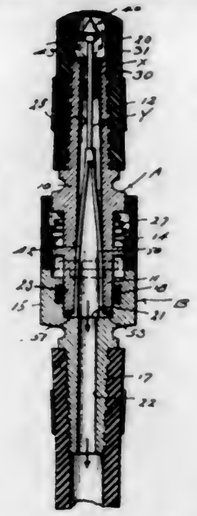


1. In a waste ore handling conveyance of the class described, a substantially U-shaped frame, supporting and maneuvering wheels thereon, a toothed scooping and loading style bucket pivotally mounted between the rear ends of the side members of said frame, a drum rotatably mounted between said side members, cables windable on said drum and having their free ends connected with the end portions of said bucket, and further cable means for simultaneously maneuvering said conveyance and controlling said drum.

2,409,753
VALVE FOR HOSE COUPLINGS
John H. Harrison, Palos Verdes Estates, and Harold E. Byers, Los Angeles, Calif.
Application April 26, 1944, Serial No. 532,762
4 Claims. (Cl. 284—19)

4. A valve member of the character described including, a stem, a valve head on one end of the

stem, and an extension on the other end of the stem, the extension including resilient divergent



legs and outwardly projecting feet on the outer ends of the legs.

2,409,754

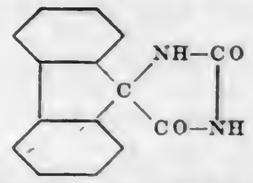
METHOD FOR OBTAINING HYDANTOINS

Henry R. Henze, Austin, Tex., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application September 9, 1940, Serial No. 356,107

14 Claims. (Cl. 260—309.5)

3. Diphenylene hydantoin of the formula:



4. Process for the preparation of diphenylene hydantoin which comprises reacting fluorenone, a cyanide soluble in water, and a reagent derived from the system NH_3—CO_2—Aq capable of regenerating all of these components under the conditions of reaction, in the presence of an organic solvent at least partially miscible with water, acidifying the reaction mixture, and separating the diphenylene hydantoin thus produced.

2,409,755

METHOD FOR OBTAINING 5,5-DIARYL-HYDANTOINS

Henry R. Henze, Austin, Tex., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Original application September 9, 1940, Serial No. 356,107. Divided and this application May 11, 1944, Serial No. 535,211

10 Claims. (Cl. 260—309.5)

1. Process for the preparation of a diaryl hydantoin which comprises heating together at temperatures above 90° C. and for a time, at least a few hours, permitting accumulation of appreciable reaction product, a diaryl ketone, a water-soluble inorganic cyanide, and a reagent derived from the system NH_3—CO_2—Aq capable of regenerating all of these latter components under the conditions of the reaction, in the presence of a lower aliphatic amide, acidifying the reaction mixture, and separating the diaryl hydantoin thus produced.

2,409,756

METHOD FOR OBTAINING 5,5-DIARYL-HYDANTOINS

Henry R. Henze, Austin, Tex., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Original application September 9, 1940, Serial No. 356,107. Divided and this application May 11, 1944, Serial No. 535,212

13 Claims. (Cl. 260—309.5)

1. Process for the preparation of a diaryl hydantoin which comprises heating together at temperatures above 50° C. and for a time, at least a few hours, permitting accumulation of appreciable reaction product, a diaryl ketone, a water-soluble inorganic cyanide, and a reagent derived from the system NH_3—CO_2—Aq capable of regenerating all of these latter components under the conditions of the reaction, in the presence of a glycol, acidifying the reaction mixture, and separating the diaryl hydantoin thus produced.

2,409,757

CLUTCH

Frank L. Hetzel, Hermosa Beach, and Volney E. Carstedt, Los Angeles, Calif.

Application June 24, 1944, Serial No. 541,886

3 Claims. (Cl. 192—105)



1. A clutch as disclosed comprising a clutch member to be secured on a rotatable shaft, a second clutch member to be turnably mounted on said shaft, a clutch ring mounted to move laterally in said first clutch member, an actuating coil spring in said first clutch member arranged in ring formation and to be expanded by centrifugal force upon rotation of said first clutch member above a predetermined speed, and a cam in said first clutch member to be engaged by said spring when expanded to cause said spring to engage and move said clutch ring forwardly into frictional contact with said second clutch member to clutch said second clutch member to said first clutch member, an auxiliary spring in said first clutch member arranged in ring formation surrounding said actuating spring in its ring formation and constructed and arranged to be contracted between said actuating spring and said clutch ring to force said clutch ring into frictional contact with said second clutch member to clutch said clutch members together, when said second clutch member is rotated below said predetermined speed, and said auxiliary spring being constructed and arranged to be expanded by centrifugal force out of effective frictional contact with said clutch ring when either of said clutch members is rotated above said predetermined speed.

2,409,758

CONVERTIBLE SEWING AND DARNING MACHINE

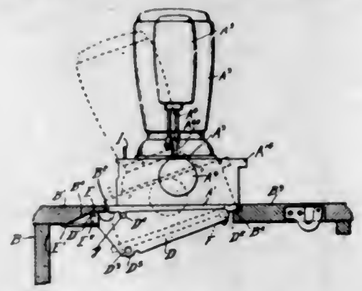
Richard K. Hohmann, Jamaica, N. Y., and Earl D. Boisselier, Glen Ellyn, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application February 25, 1943, Serial No. 477,042

5 Claims. (Cl. 112—260)

1. A drophead sewing machine comprising in

combination, a table formed with an opening, a sewing machine frame including work supporting means, means for adjusting said frame at will into an idle position in which it is wholly below said opening, a low working position in which the frame extends through said opening and has the upper portion of its supporting means substantially flush with the top of the table and an elevated working position in which the top of said work supporting means is substantially above the table level, and a part hinged



to said table to turn into and out of a normal position in which it is within said opening and forms an extension of the portion of the table at one side of said opening, said frame comprising one portion having a flat under surface which overlaps and rests upon said part when the latter and said frame are in their respective normal and low working positions and comprising a second portion having a flat under surface which overlaps and rests upon said part when the latter and said frame are in their respective normal and elevated working positions.

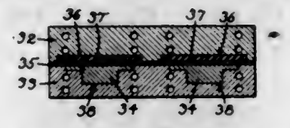
2,409,759

DIRECT BONDING OF RUBBER TO METAL

Oakley W. Hosking, Monroe, N. Y., assignor to Composite Rubber Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application September 13, 1941, Serial No. 410,696

17 Claims. (Cl. 154—130)



1. The art of bonding a completely cured metal-adherent rubber composition directly to a cuprous alloy article of the class consisting of brass and bronze articles, comprising the steps of providing said cuprous alloy article with a clean, continuously smooth polished surface; bringing an untreated surface of the cured rubber composition into direct contact with said polished cuprous alloy surface; maintaining sufficient pressure at the rubber-metal interface to insure intimate contact between the rubber and the cuprous alloy; and applying sufficient heat to cause the rubber to adhere to said alloy surface.

2,409,760

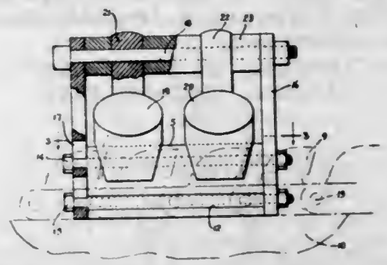
SAW SET

Edwin Franklin Huffsmith, Cook, Wash.

Application June 19, 1945, Serial No. 600,287

3 Claims. (Cl. 76—65)

1. A saw set comprising an anvil adapted for holding against either side of a saw and having oppositely inclined anvil faces for oppositely setting the teeth at the respective sides of a saw, a pair of arms rising from the anvil in spaced relation to each other, a shaft supported at the upper ends of the arms, and a pair of hammers swingably mounted on said shaft for striking the



teeth of the saw, said hammers having striking faces inclined in the plane of the respective anvil faces.

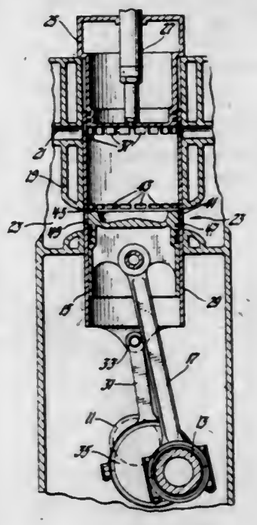
2,409,761

SLEEVE VALVE ENGINE

Kenneth L. Hulsing, Plymouth, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

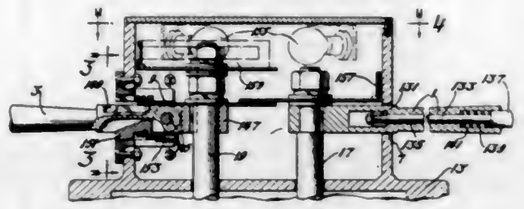
Application February 24, 1945, Serial No. 579,607

11 Claims. (Cl. 123—65)



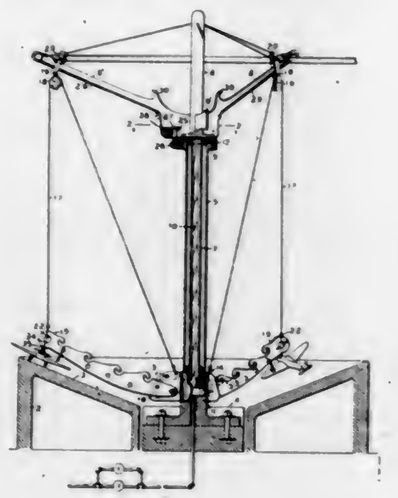
5. In an internal combustion engine having a cylinder, a piston, a sleeve valve therebetween, a crankshaft having unequally eccentric and angular related throws, connecting rods between said throws and said piston and said sleeve respectively, exhaust ports in said cylinder wall and sleeve, said ports adapted to register in response to sleeve movement, intake port means in said cylinder wall, a primary intake port in said sleeve adapted to register with the cylinder inlet in response to movement of said sleeve, the relative movements of the sleeve and piston being such that only after the registration of the said inlet ports does piston move to uncover said primary sleeve inlet port, second port means in said sleeve adapted to register with the cylinder inlet substantially simultaneously with the opening of the primary port by the piston whereby an enlarged opening to inlet gases is provided, there being a land between said primary and second port means to delay the time of opening of said primary and second ports, third port means in said sleeve adapted to register with the cylinder inlet and to be rendered effective by the piston near its position of bottom dead center, there being a second land between said primary port and third port, said second land adapted to close the passage from the cylinder inlet before the piston moves sufficiently to close said passage.

2,409,762
CONTROLLER MECHANISM
Russel G. Janes, La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 20, 1942, Serial No. 466,387
5 Claims. (Cl. 74—483)



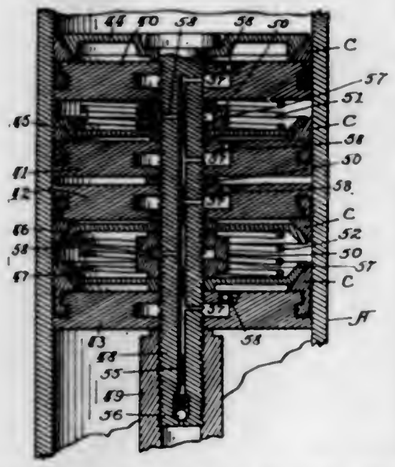
1. A controller of the type described comprising a controller housing, a plurality of control shafts supported for movement in said housing, locking means moveably mounted on said housing and biased for locking engagement with certain of said control shafts, and a control lever adapted to be slideably mounted on one of said control shafts to engage and move said locking means to the unlocked position.

2,409,763
AIRCRAFT LAUNCHING MEANS
Andrew Vernon Janiewski, Sebring, Fla.
Application May 7, 1945, Serial No. 592,471
4 Claims. (Cl. 244—63)



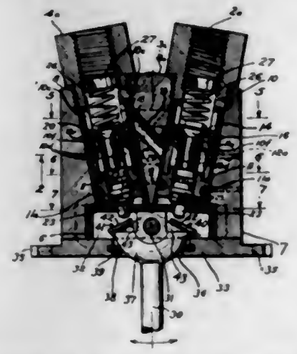
1. A launching mechanism for an aircraft, comprising a substantially circular shaped bowl-like banking causeway for a whirling take-off by the craft when in contact therewith, an upstanding columnar standard at the center of the causeway, a superstructure carried by the standard and adapted for vertical and rotary movements above the said causeway, loading means rotatably mounted on the standard and underslung to the superstructure, radial load hanging arms adjustable angularly with respect to the causeway and pivotally connected to said loading means, radially disposed means flexibly connecting the arms and superstructure together, and traveling means on the superstructure and operatively connected with the flexible means, whereby under centrifugal action of the traveling means the load hanging arms are automatically angularly regulated about their pivotal connections during vertical and rotary movements of said superstructure.

2,409,764
PISTON RING
Sellers E. Jessup, Los Angeles, Calif.
Application November 15, 1944, Serial No. 563,523
8 Claims. (Cl. 809—4)



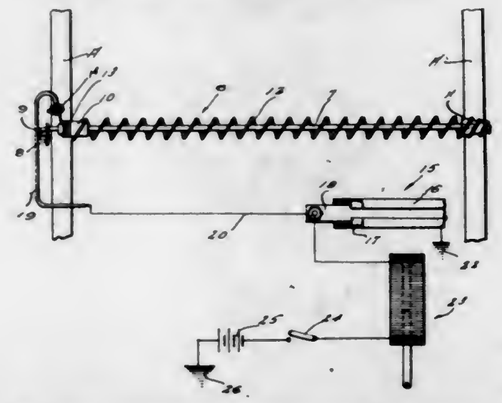
7. A piston ring assembly for use between the inner wall of a cylinder and the outer surface of a cooperating piston, comprising, a series of piston sections secured together to produce a composite piston, each section, comprising, a piston body, an expansible piston ring having interlocking connection on an end of said body and an annular inwardly beveled surface, and a flexible expander having its body mounted upon said end of said piston and provided with a peripheral bevel corresponding with and engaging the beveled surface of said ring to expand the ring into tight working connection with the inner wall of said cylinder by the pressure of fluid in the cylinder.

2,409,765
HYDRAULIC SELECTOR VALVE
Ottmar A. Kehle, West Los Angeles, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application May 4, 1943, Serial No. 485,674
1 Claim. (Cl. 137—144)



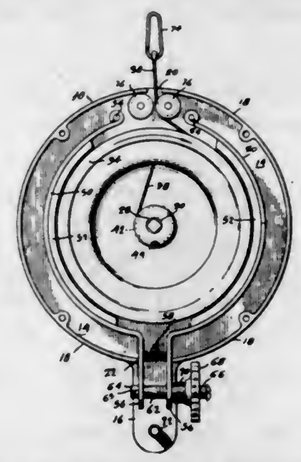
In a structure of the kind described, a support, a valve operating lever, a pivot connecting an end portion of said lever with said support for rocking movement in relation thereto, said end portion of said lever having a head which provides two oppositely projecting extensions, one at each side of said pivot, a pair of flattened side arms at each side of said pivot having aligned apertures through which said pivot passes, an elongated valve operating plate secured to edge portions of each of said pairs of flattened arms, said valve operating plates being positioned at opposite sides of said pivot in a parallel spaced apart relation to each other, and positioned to be supported by the aforesaid extensions of the lever head, a valve body mounted on the aforesaid support, and a plurality of valves mounted in said body, said valves having operating stems a plurality of which are positioned for being acted upon in an endwise manner by a face portion of each of said plates when said lever is rocked.

2,409,766
METAL TYPE STOP MOTION ATTACHMENT FOR LOOMS
Jonas F. Koskela, Maynard, Mass.
Application May 28, 1945, Serial No. 596,197
4 Claims. (Cl. 139—337)



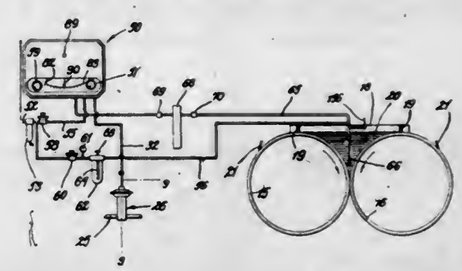
1. An attachment of the class described comprising a longitudinally coiled circuit make and break wire adapted to underlie a bank of overhead harness wires, and an adapter and supporting element for attaching said wire to a predetermined part of the loom frame.

2,409,767
FIRE ESCAPE
Edwin C. Larson, San Francisco, Calif.
Application August 30, 1945, Serial No. 613,521
1 Claim. (Cl. 254—154)



A portable fire escape comprising a housing formed of a flat back circular plate having a depending tab; a circular front flat plate having a centrally disposed depression therein and a depending tab on the lower edge arranged in spaced parallel relation with the tab of the back plate; semicircular spacers mounted between said plates and having their opposite ends arranged in spaced parallel relation with the ends of the opposite spacer to form top and bottom openings in said housing; a shaft rotatably mounted in the centers of said plates and having its ends extended exteriorly of said plates, one end of said shaft being squared and extended into the recess of said front plate; a folded crank mounted upon said squared end and normally lying within said recess; a reel rigidly mounted upon said shaft and within said housing and having a hub with an annular groove; a flexible cable wound upon said reel and having its inner end fixed within said annular groove and having its outer end extended through the top opening of said housing; a pair of arcuate braking elements pivotally suspended within said housing and substantially enclosing the periphery of said reel and having spaced parallel extensions extended through the bottom opening of said housing; spring means interposed between said parallel extension and arranged to normally prevent engaging relation of said braking elements with the periphery of said reel; means for moving said braking elements against the tension of said spring means and into engaging relation with the periphery of said reel in varying degrees of pressure; and a stirrup mounted between the depending tabs of said front and back plates.

2,409,768
LIQUID LEVEL CONTROL
Charles O. Lavett, Kenmore, and Henry F. Kerker, Buffalo, N. Y., assignors, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application December 18, 1944, Serial No. 568,662
7 Claims. (Cl. 159—11)

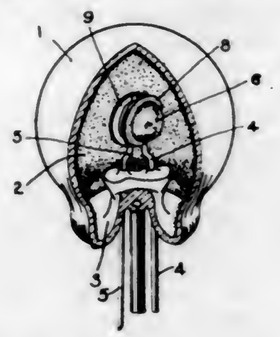


1. A liquid level control for a body of liquid subject to diminution, comprising means for supplying a stream of feed liquid to said body, a valve controlling the flow of feed liquid through said supplying means, means forming a chamber immersed in said body and having an opening in its underside, means for supplying a gas capable of absorbing moisture to said chamber under sufficient pressure to continuously pass through said opening and to bubble up through said body, means for humidifying the gas so supplied to said chamber, and means responsive to the changes in pressure in said gas and controlling said valve to control the flow of feed liquid therethrough.

2,409,769
FLUORESCENT GLOW LAMP
William E. Leyshon, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application July 28, 1944, Serial No. 547,008
1 Claim. (Cl. 176—122)

A negative discharge type glow lamp comprising a glass envelope having a base portion, an inert gas atmosphere in said envelope a coating of fluorenscent material on the inner wall of said envelope, a pair of hemispherical electrodes having their concaved faces facing and spaced a short distance apart, lead wires connected to said electrodes and extending through said base portion, said lead wires supporting said electrodes with the plane of their peripheral edges extending to-

ward said base portion, and each lead wire to which each electrode is connected extending completely across the concave face of the hemispherical electrode and connected thereto at two dia-



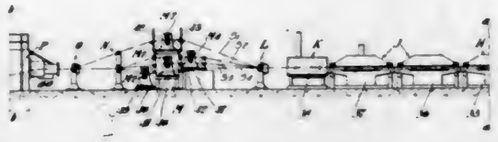
metrically opposite points on the peripheral edge of said hemispherical electrode, and an electron emissive coating on the outer surface of said electrodes.

2,409,770

APPARATUS FOR CONTINUOUSLY PROCESSING METAL STRIPS

Frank W. Lorig, Lakewood, Louis L. Miller, Garfield Heights, and Frank E. Robinson, Shaker Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application April 15, 1941, Serial No. 388,708
4 Claims. (Cl. 271—2.3)



1. In apparatus for continuously treating metal strips, wherein a plurality of strips are passed simultaneously through a train of treating instrumentalities, the combination which comprises a plurality of stands of rolls including driven pinch rolls, each strip being passed over its respective roll in a path which is laterally displaced from the paths of travel of the remaining strips of the plurality, the said stands of pinch rolls receiving the strips from a supplying station and delivering the strips in horizontal noncoplanar relation, instrumentalities for restoring the strips to substantially horizontal coplanar relation, a stand of master rolls for receiving the strips, means for driving the master rolls at a continuously constant speed for giving constant speed of travel to all strips, means for synchronizing the master rolls and the driven pinch rolls, and control means for the driven pinch rolls for correcting any asynchronous condition between the driven pinch roils and the master rolls.

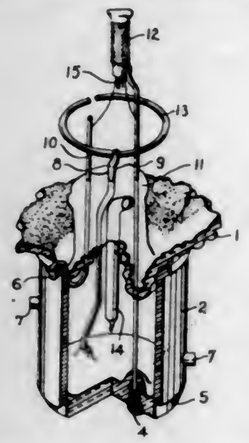
2,409,771

ELECTRICAL DISCHARGE DEVICE

Erwin F. Lowry, Swampscott, and Fielding P. Rogers, Danvers, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application July 8, 1943, Serial No. 493,934
1 Claim. (Cl. 176—122)

A low voltage direct current gaseous discharge lamp comprising a bulbous envelope having an ionizable atmosphere therein for enclosing its elements, a hollow cylindrical cathode centrally and vertically positioned within said envelope and having its upper end closed, a lead wire extending outside of said envelope and connecting with and supporting said cathode, a heater having its coils within and electrically insulated from said cathode having one of its terminals connected to the cathode, an anode comprising an elongated loop of wire, substantially circular in form, disposed concentric with said cathode, in a plane perpendicular thereto but substantially therebelow, the diameter of said anode being con-



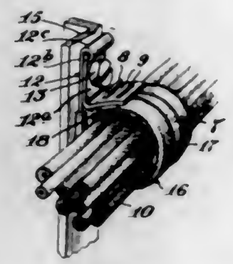
siderably smaller than the greatest diameter of the bulbous envelope and smaller than the diameter of the neck of the bulbous envelope, a second lead wire extending to the outside of said envelope connected with and acting to support said anode and a third lead wire connected to the other terminal of said heater and extending outside of said envelope whereby said heater coil and the arc between the anode and cathode may be supplied by the same or by separate sources of energy.

2,409,772

ADJUSTABLE HARNESS CLIP

Charles Lund, Burbank, Calif., assignor to Adel Precision Products Corp., a corporation of California

Application May 13, 1944, Serial No. 535,534
2 Claims. (Cl. 248—74)



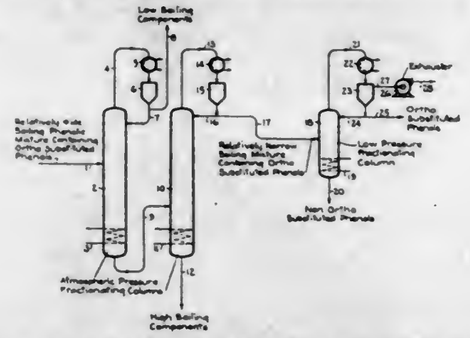
1. In a clip for supporting wires or a conduit, a spring metal strap formed into a normally open loop having its free ends spaced apart whereby wires or a conduit may be mounted therein, fastening elements on said ends of the loop for detachably connecting said ends together to close the loop, and an inverted V-shaped ear formed integral with the loop and rendering the same deformable, said ear having openings in the opposed legs thereof for reception of a screw threaded fastening for securing the ear to a support and being deformed so that the legs move into substantial parallelism and thereby constrict and clamp the loop around the wires or conduit when the fastening is tightened to complete the installation of the clip.

2,409,773

TWO-STAGE DISTILLATION OF ORTHO-SUBSTITUTED RING COMPOUNDS

Daniel B. Luten, Jr., and Aldo De Benedictis, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application May 29, 1941, Serial No. 395,784
8 Claims. (Cl. 202—40)



1. In a process for separating an ortho substituted conjugated ring compound from other substituted conjugated ring compounds in an associated mixture thereof having a relatively wide boiling range, said ortho compound and at least some of said other compounds having substantially identical boiling points at a given pressure and having a nucleus selected from the group consisting of benzene, pyridine, naphthalene, and quinoline and containing a single polar group selected from the class consisting of —NH_2, —COOH, —OH, and =N—, the ortho positions to said polar group in said ortho compound being occupied by at least one non-polar hydrocarbon radical, while said other compounds are differently substituted, the steps comprising: fractionally distilling said mixture under said given pressure to produce a fraction having a relatively narrow boiling range at said given pressure, said fraction containing at least a portion of said ortho and said some of said other compounds of substantially identical boiling points at said given pressure; and further fractionally distilling said fraction under a pressure substantially increased above said given pressure to produce an overhead and a bottom product, one of which is rich in said ortho-substituted compound and the other is rich in said some of said other compounds.

2,409,774

DRIER METAL SALT AND PROCESS OF MAKING IT

Gerry P. Mack, Jackson Heights, N. Y., and Charles A. Klebsattel, South Orange, N. J., assignors to Advance Solvents & Chemical Corporation, New York, N. Y., a corporation of New York

No Drawing. Application October 8, 1942, Serial No. 461,352
6 Claims. (Cl. 260—435)

1. As a new product, a complex salt of naphthenic acid and a dialkyl, monoacid orthophosphate having at least four carbon atoms in each alkyl radical with a polyvalent metal selected from the group consisting of lead, manganese, zinc and cobalt.

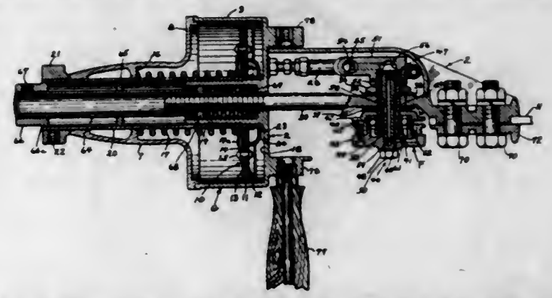
2,409,775

CHAIN-SAW MACHINE

Arthur William Mall, Flossmoor, and Walter L. Gorden, Chicago, Ill.

Application March 24, 1942, Serial No. 436,014
7 Claims. (Cl. 143—32)

1. A chain saw machine comprising a power unit, a chain guiding plate extending therefrom, a cutting chain, a combination chain lubricating and chain tensioning device secured to the end of the guiding plate opposite the power unit, said device including a lubricant chamber, a sleeve portion extending from one end wall of said chamber, a second sleeve screw-threadedly engaging said sleeve portion so as to be adjustable



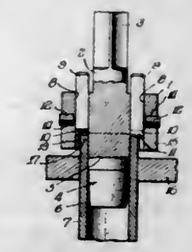
relative thereto, said second sleeve being rotatably supported within said device, a third sleeve disposed within the second sleeve so as to be rotatable and slidable relative thereto, a plunger within said lubricant chamber, said second sleeve serving to retract said plunger for refilling the lubricant chamber and said third sleeve serving to adjust the tension of the cutting chain.

2,409,776

JIG FOR TRIMMING BOILER TUBES

John A. Maples, Sturgeon Bay, Wis., assignor to Leathem D. Smith Shipbuilding Co., Sturgeon Bay, Wis., a corporation of Wisconsin

Application October 18, 1943, Serial No. 506,715
3 Claims. (Cl. 29—105)



1. A jig for trimming the end of a boiler tube projecting through a boiler plate comprising a cylindrical casting having upper and lower end faces and having a coaxial arbor extending from the lower end face, said arbor having a substantially smaller diameter than the lower face and a slightly smaller diameter than the inside diameter of the boiler tube to be trimmed, an annular recess in the lower end face adjacent the arbor resultantly forming a downwardly directed annular flange therearound, a socket in the casting parallel with the jig axis and opening into the recess, and a cutter adjustably mounted in said socket.

2,409,777

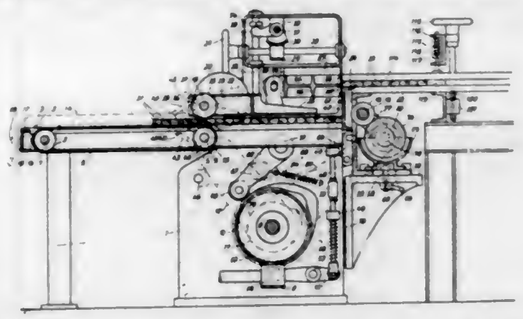
MACHINE FOR GLUING LATHS TOGETHER

Gottfried Maurer, Zurich, Switzerland, assignor to Wilhelm Fischer-Sueffert, Basel, Switzerland

Application July 31, 1943, Serial No. 496,919
In Germany March 17, 1938
5 Claims. (Cl. 144—279)

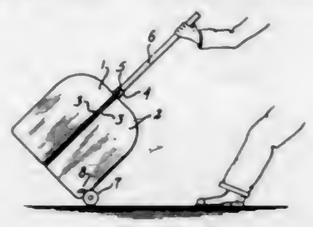
1. In a machine for gluing together laths, a supporting table for the laths, conveying elements for yieldably advancing the laths on said supporting table, a second table for gluing the laths together, lying out of the plane of said supporting table, a back wall adjustable in the direction of

movement of said conveying elements, a transporting device between said supporting table and said back wall, for moving the laths conveyed by said conveying elements to a position at the front of said second table, means for moving the laths



from the transporting device on to the second table, and a glue applying device on said back wall for supplying the laths with glue during movement of said laths by said transporting device.

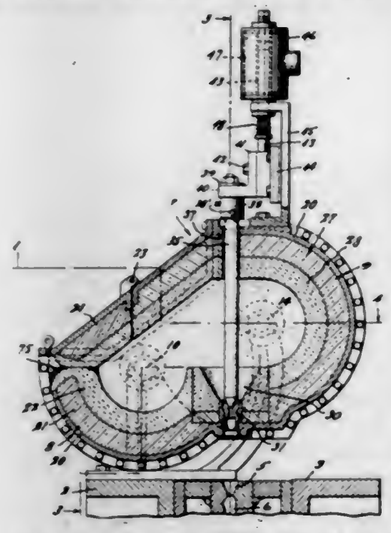
2,409,778
YARD REFUSE COLLECTOR
Charles L. McCaffrey, Nashville, Tenn., assignor of one-half to Arthur J. Kirby, Nashville, Tenn.
Application July 13, 1945, Serial No. 604,963
3 Claims. (Cl. 214—65.4)



1. A gatherer comprising a receptacle having companion sections open at their inner sides, frames about the open inner sides of said sections, sockets extending upwardly from said frames in side-by-side relation to each other, handles having lower ends fitting into said sockets, a pin passing through the sockets and lower ends of said handles to pivotally mount the sections and secure the handles in the sockets, axles carried by opposite sides of one section at the rear end thereof and projecting rearwardly from the said section, and wheels carried by said axles in position to make contact with the ground when the receptacle is tilted rearwardly and allow the closed receptacle to be pushed from one place to another.

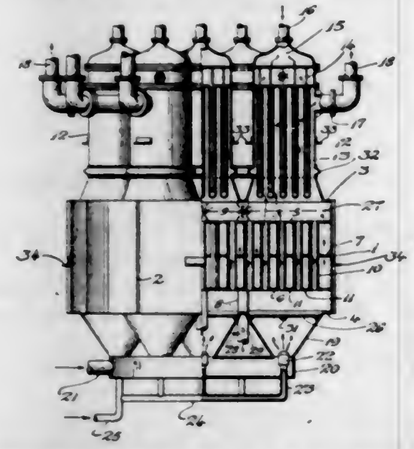
2,409,779
APPARATUS FOR INTRODUCING MOLTEN MATERIAL INTO MOLDS
Henry E. McWane and Hugh K. McGavock, Lynchburg, Va.; said McGavock assignor to said McWane
Application October 2, 1942, Serial No. 460,566
3 Claims. (Cl. 22—79)

1. The combination with a separable mold for producing castings, said mold having a stationary part and a movable part cooperating therewith to provide a casting cavity, of a ladle comprising a charging bowl, a filling bowl communicating therewith and arranged at substantially right angles thereto, a metering cup communicating with the filling bowl and adapted to hold a quantity of metal either equal to or slightly more than the metal necessary for a single casting, means carried by the stationary mold part to mount the ladle thereon for independent tilting movement about the respective axes of said bowls, means carried by the movable mold part and operatively connected with the ladle to tilt the same about the axis of the filling bowl whereby molten



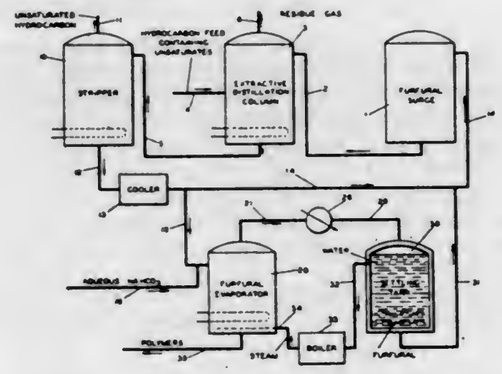
metal in the charging bowl will flow therefrom into the filling bowl to fill the metering cup, a nozzle communicating with the filling cup for discharging metal therefrom into the casting cavity, stopper means for controlling the flow of metal from said cup, and additional means for tilting the ladle about the axis of the charging bowl for discharging residue metal therefrom.

2,409,780
REACTOR
Lev A. Mekler, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 11, 1942, Serial No. 430,507
4 Claims. (Cl. 23—288)



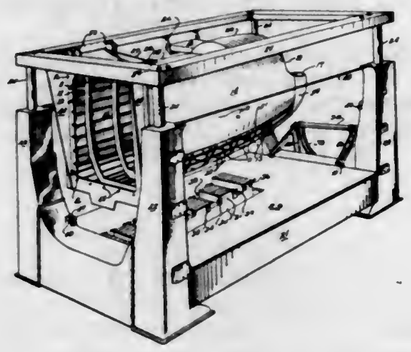
1. A reaction vessel of the class described comprising, in combination, a vertically disposed outer shell of tubular form provided with relatively flat top and bottom heads, relatively flat tube sheets transversely disposed in spaced apart relation within said shell and secured thereto, a plurality of vertically disposed tubular members extending between and secured to said tube sheets, some of said tubular members extending between and being secured to said heads and other of said tubular members terminating short of said heads, the shorter tubes being open at their opposite ends, to spaces provided between the shorter tubes and top and bottom heads, whereby to establish communication through the shorter tubes between said spaces, and said tube sheets being provided with openings therethrough between the tubes.

2,409,781
REDUCING CORROSION AND POLYMERIZATION OF FURFURAL IN EXTRACTIVE DISTILLATION PLANTS
Valentine Mertz, Dallas, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 6, 1945, Serial No. 609,208
7 Claims. (Cl. 196—13)



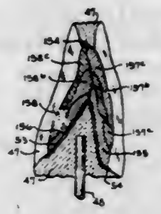
1. In the art of extractive distillation the improvement which consists of preventing corrosion of equipment and polymerization of furfural used as selective solvent by adding an alkaline material, selected from a group composed of the bicarbonates of the alkali metals, at a controlled rate and continuously to such furfural used as selective solvent and maintaining the acidity of said furfural in the range of pH 4.0 to pH 5.2.

2,409,782
CONSTRUCTING TUBULAR FUSELAGES
Logan C. Miller, Ann Arbor, and George E. Scarlett, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application April 12, 1944, Serial No. 530,598
10 Claims. (Cl. 29—286)



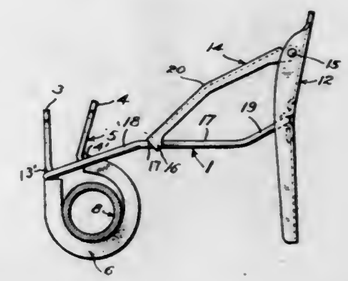
1. In an apparatus for assembling substantially tubular airframe fuselage components from bulkheads and longerons and exterior skin panels, comprising, a base, vertical columns associated with said base, a frame supported by said vertical columns, means to elevate said frame with respect to said columns and said base, means on said frame to engage elements adjacent one surface of the component to be assembled therein, and readily releasable means on said base to secure other elements of said component adjacent the opposite surface of said component.

2,409,783
PROCESS FOR FORMING ARTIFICIAL TEETH
Moskos S. Moskey, Lakewood, Ohio
Original application March 20, 1942, Serial No. 435,516. Divided and this application July 27, 1944, Serial No. 546,843
6 Claims. (Cl. 18—55.1)



6. The method of forming an artificial tooth, comprising, first, forming a separable three-piece mould of the tooth to be formed, the first piece of the mould having the impression of the labial portion, the second piece having the impression of the lingual portion and the middle piece having the impression of the medial portion of the tooth; second, coating the lingual and labial surfaces of the labial and lingual portion of the mold pieces with a thin transparent resin; third, assembling the second and middle pieces of the mould and roughly packing therein the material forming the labial portion of the tooth; fourth, assembling the first and middle pieces of the mould and roughly packing therein and on the aforesaid material other material forming the lingual portion of the tooth; fifth, assembling the first, second and middle pieces of the mould and then moulding and setting the complete tooth therein of the aforesaid roughly packed material.

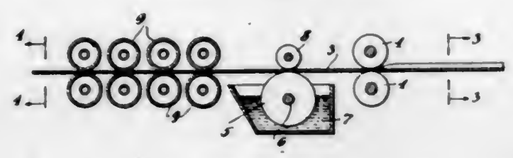
2,409,784
TOOL FOR INSTALLING CONDUIT CLIPS
Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application September 20, 1943, Serial No. 503,123
3 Claims. (Cl. 81—3)



3. In a tool for installing a band-like conduit embracing and supporting clip having a pair of opposed ends adapted to be forced together to clamp the clip on a conduit and position said ends for application thereto of means for securing them together, a pair of opposed arms spaced apart and adapted to be positioned opposite corresponding edges of said ends of the clip, jaw means extending between said arms at certain corresponding ends thereof for engaging the outer face of one of the ends of the clip, an operating lever, means pivotally connecting the other ends of said arms to said lever to afford a fulcrum therefor, and an elongated member including a jaw portion which is slidably supported over said

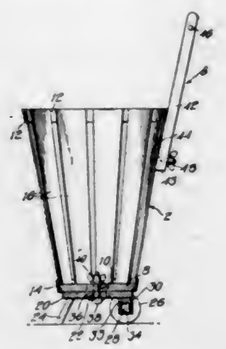
arms for movement into and out of engagement with the outer face of the other of the ends of said clip, said member having through it an opening adjacent to its said jaw portion to permit access therethrough to the ends of the clip when the tool is positioned in front of said ends when clamping the clip on a conduit.

2,409,785
METHOD OF PRODUCING BALSA SLICES
David Newmark and William Kramer, New York, N. Y.
Application January 7, 1944, Serial No. 517,456
1 Claim. (Cl. 117—4)



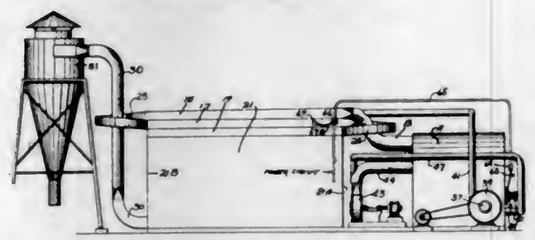
The method of producing thin, straight, flat slices of balsa wood having smooth, satin-like surfaces, for use in the manufacture of toy and model articles, which consists in cutting said slices from a dry block of balsa by vertical knife action, whereby each slice acquires a concavo-convex contour whereof the convex side has crevices developed therein, and then progressively subjecting each slice, while continually moving, to the following steps: first passing each slice between rollers to straighten it, then passing each slice with its creviced side over an adhesive gathering roller, and finally passing each slice between heated pressure rollers.

2,409,786
TRUNDLE BASKET
Chester H. Norton, Katonah, N. Y.
Application September 12, 1944, Serial No. 553,707
3 Claims. (Cl. 280—51)



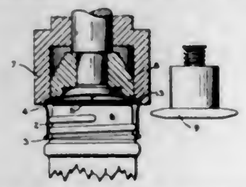
1. A detachable truck for market baskets of the type having a base with a central aperture comprising a flat member having a bolt receiving central aperture for alinement with the central aperture in the base of the basket, an axle housing secured to the under side of said base member having a generally square cross-sectional passage therethrough, a two-piece wooden axle rotatably mounted in said passage, a wooden wheel frozen to an end of each axle piece, a pair of legs secured to the under side of said flat member, vertically disposed nails having their points above the upper surface of said flat member, and means for forcing said nails into the base of a basket, said means comprising a bolt passing through the said apertures and a nut threaded thereon.

2,409,787
DEHYDRATOR
Wilburn W. O'Neal and Robert D. Williams, Memphis, Tenn.
Application January 17, 1942, Serial No. 427,103
8 Claims. (Cl. 263—43)



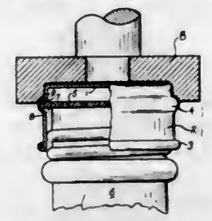
1. In a dehydrating apparatus, the combination of a pressure sealed furnace and a drying chamber having an elongated passageway for air and materials leading thereinto and therethrough; a fuel burner for said furnace, means for feeding fuel to said burner and for establishing a maximum rate of said feed, means for introducing into said furnace under pressure material-traversing-and-drying air to be heated, and for delivering additional combustion air under like pressure to said burner, an air flue connecting said furnace and said passageway for delivering heated traversing-and-drying air under said pressure from said furnace through said chamber passageway, blower means including a discharge pipe leading into said air flue, for feeding material under traversing air pressure into said air flue, said material having moisture to be removed therefrom, said material and moisture being brought to the boiling point of said moisture by said heated air during traverse of a minor portion of said passageway and control means, in said passageway subsequent to the point of introduction of said material and substantially at the point where the boiling point of said moisture is reached, for regulating said rate of fuel feed below said maximum feed, whereby the conditions which effect drying are set up between the air currents and the materials as they are fed thereinto, and regulation is effected in accordance with the conditions thus set up, substantially at the beginning of the drying cycle.

2,409,788
METHOD FOR APPLYING CLOSURES TO CONTAINERS
Andrew G. Osborne, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1942, Serial No. 462,826
3 Claims. (Cl. 226—87)



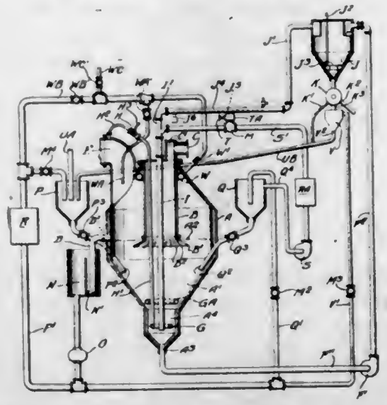
3. In a method of sealing containers having a side sealing surface with a skirted metallic closure blank having an annular bulge formed between said skirt and the closed end of said blank, and having an oversize liner disposed therein, the steps comprising pressing the overhanging margin of said liner into engagement with said side sealing surface by bending a portion of said blank in contact with said margin downward past the container mouth, and simultaneously therewith reforming said bulge into an annular rib adjacent to the margin of said liner.

2,409,789
METHOD OF SEALING CONTAINERS
Andrew G. Osborne, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 21, 1943, Serial No. 503,185
6 Claims. (Cl. 226—84)



1. In the art of sealing containers having a side sealing surface with a blank having a top portion, a depending skirt, an inwardly extending annular shoulder in said skirt in spaced relation to said top portion, and a liner of greater diameter than the outside diameter of the mouth of the container to be sealed disposed within said skirt below said shoulder, the steps comprising placing said blank over the mouth of said container, applying a pressure means to said blank axially of the container reforming the margin of said liner around the upper part of the container finish and into sealing engagement with said side sealing surface independently of pressure of said top portion against said liner by pressing said shoulder by direct downward pressure against said margin at least until the shoulder passes below the container mouth.

2,409,790
APPARATUS FOR THE PRODUCTION OF AMMONIUM SULPHATE
Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, New York, N. Y., a corporation of Delaware
Application March 8, 1944, Serial No. 525,544
2 Claims. (Cl. 23—273)



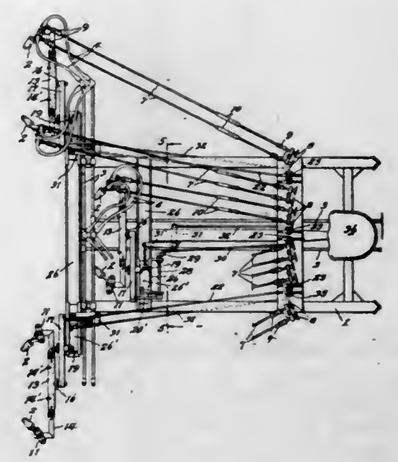
1. Apparatus for producing sulfate of ammonia by scrubbing contact of distillation gas with sulfuric acid liquor, comprising in combination a saturator having a hopper bottom portion, the walls of said hopper bottom portion being prolonged in a lower section thereof to form a space therein inclosed by substantially vertical walls, an overflow outlet above said hopper portion, a bottom outlet from said hopper bottom and said lower section space, a crystal separator, conduit means including pumping means providing passage from said bottom outlet to said separator, a receiver, conduit means from said overflow outlet to said receiver, return conduit means from said separator having a discharge end into said lower section space and conduit means providing passage from said receiver to said lower section space.

2,409,791
CROQUIGNOLE IRON
Jessie Pope, Ecorse, Mich.
Application February 12, 1945, Serial No. 577,379
1 Claim. (Cl. 219—24)



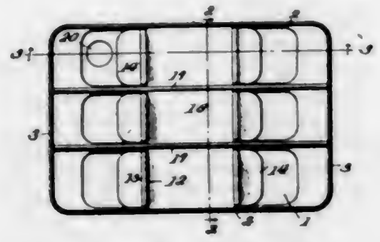
A croquignole or curling iron comprising a pair of crossed jaw members mounted upon a pivot and having oppositely extending handle portions, one of said crossed jaw members being hollow and provided with an enlarged pear-shaped handle at its opposite end adapted to fit the palm of a hand, the other crossed jaw member being arcuate shaped in cross section and adapted to overlie the full length of the surface of the said hollow member and to extend forwardly thereof in spaced relation beyond the end of the same a considerable distance, the spacing between the jaw members being so tapered as to produce parallelism when the jaws are closed upon a strand or curl of hair of average size, an insulating handle of a similar diameter throughout its length at the opposite end of the arcuate member adapted to be grasped by the fingers of a hand, an electric heating element in said hollow member, and an electric conductor cable extending through said enlarged pear-shaped handle connected with said heating element.

2,409,792
WEED BURNER
William C. Prewitt, Palm Beach County, Fla., assignor to United States Sugar Corporation, Clewiston, Fla., a corporation of Delaware
Application October 26, 1943, Serial No. 507,688
12 Claims. (Cl. 126—271.2)



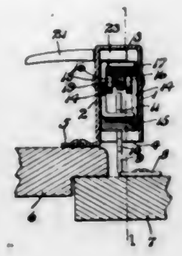
1. In a weed burning mechanism the combination including a portable chassis, a plurality of flame generators, means for supporting said generators in pairs on said chassis, means including controls on said chassis for supplying fuel to said generators, and means including controls on said chassis for positioning said generators in pairs relative to said chassis along two paths at right angles to each other, all of said controls being positioned for manipulation at a central control point.

2,409,793
METAL CONTAINER
William F. Punte, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 9, 1944, Serial No. 548,663
1 Claim. (Cl. 220—22)



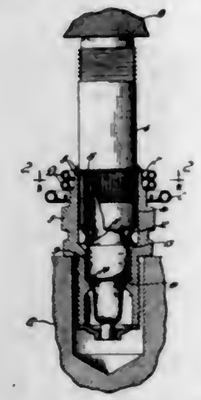
A metal container for packaging a plurality of articles comprising a body portion, a closure therefor, and a single-piece metal bottom member fitting within said body portion, said bottom member being folded longitudinally to form double wall partitions extending continuously from one end thereof to the other, said bottom portion between said partitions having U-shaped cuts with the legs thereof extending longitudinally and the cut portion folded back upon itself so as to provide transverse double wall partitions disposed between the side walls of the container and the longitudinal partitions so as to divide the body portion of the container into separate article holding pockets.

2,409,794
CUPBOARD CATCH
Herbert Quigley and Herman Ter Meer, Grand Rapids, Mich., assignors to National Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application October 21, 1944, Serial No. 559,816
4 Claims. (Cl. 292—52)



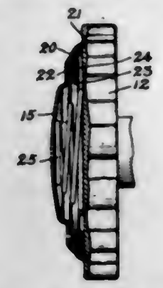
1. A latch construction comprising, a housing having an opening at one side at which side a keeper is adapted to enter said housing, a pair of jaw members pivotally mounted to turn about a common axis within said housing, said axis being substantially parallel to the plane of said opening, said jaw members each having a jaw at one end thereof adapted to engage a keeper at opposite sides thereof, spring means acting on said jaw members to normally move the jaws toward each other, each of said jaw members at the end thereof opposite where the jaws are located having a laterally extended tail-piece, and manually operable means extending through a side of the housing and pivotally mounted thereon for engaging said tail-pieces on operation of said means to swing said jaw members to move the jaws away from each other.

2,409,795
SPARK PLUG
Hector Rabezzana, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 17, 1944, Serial No. 531,401
9 Claims. (Cl. 123—169)



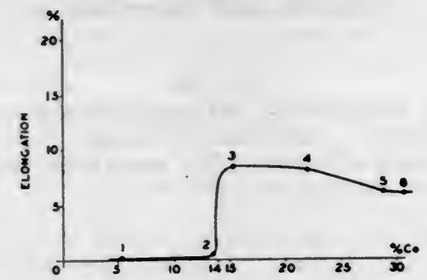
1. A spark plug which includes a metal shell, a metal shield telescoped within the shell, spaced circumferentially extending projections on one of the mentioned members at a distance from an end of the shell which space substantially uniformly from the shell both circumferentially and lengthwise a portion of the shield near the mentioned end of the shell, and bonding metal in the space between the shell and the mentioned portion of the shield.

2,409,796
INDICATING MEANS FOR VALVES
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application March 11, 1944, Serial No. 526,071
1 Claim. (Cl. 116—125)



The combination with a rotatable valve member, a handle fast on said member for manually rotating the same, adjustable means for indicating the angular position of said handle with respect to a stationary panel located adjacent said handle, said indicating means comprising a generally circular sheet metal dial having its central portion pressed outwardly to define an upright shoulder extending around and spaced inwardly from the peripheral edge portion of the dial, an annular sheet metal member secured to said handle at its outer peripheral edge, a flange formed around the inner peripheral edge of said member and turned inwardly toward and spaced from the adjacent face of said handle, said flange being dimensioned to slidably receive the shouldered portion of said dial and to form an abutment for the peripheral edge portion of the dial, a marker on said dial, and a spring interposed between the central portion of said dial and the adjacent face of said handle, said spring normally acting to hold the peripheral edge portion of said dial in frictional engagement with the flange of said annular member and thereby maintain the dial in a fixed position relative to the handle while yielding under pressure to permit rotation of the dial relative to the handle for adjusting the position of said marker with respect to the stationary panel.

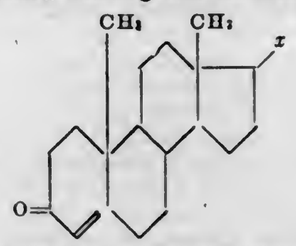
2,409,797
MACHINABLE ALLOY FOR HIGH TEMPERATURE USE
Nils Gösta Rehnqvist, Hallstahammar, Sweden, assignor to Aktiebolaget Kanthal, Hallstahammar, Sweden, a corporation of Sweden
Application May 31, 1944, Serial No. 538,114
In Sweden June 8, 1943
7 Claims. (Cl. 75—124)



1. A fire resistant machinable alloy having a high electric resistance of substantially the following composition: chromium from about 10 per cent to 30 per cent, aluminum from about 2 to 9 per cent, carbon from about 0.01 to 0.35 per cent, cobalt from about 14 to 30 per cent, the balance of said composition being substantially all iron.

2,409,798
COMPOUNDS OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES AND PROCESS OF MAKING SAME
Tadeus Reichstein, Basel, Switzerland
No Drawing. Application March 20, 1942, Serial No. 435,570. In Switzerland March 21, 1941
5 Claims. (Cl. 260—397.3)

4. A compound having the structural formula:

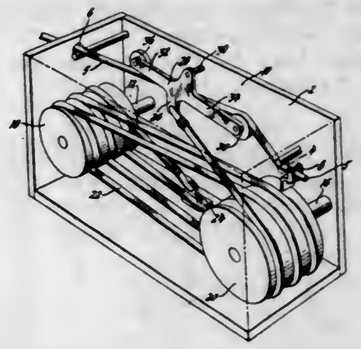


wherein the C ring contains a carbon-to-carbon double bond, one of such carbons being the 9 carbon, and wherein x is a member selected from the group consisting of —$COCH_2Oacyl$, —$COCH_3$, and —$COCH_2OH$.

2,409,799
LUBRICANT
Edward N. Roberts, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 31, 1943, Serial No. 516,529
16 Claims. (Cl. 252—32.7)

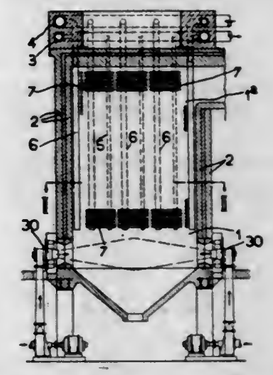
1. A lubricant composition containing an oil and in combination from about 0.001% to about 5% of a polyamino poly-aryl methane and from about 0.001% to about 10% of a neutralized phosphorus- and sulfur-containing reaction product of a phosphorus sulfide and a hydrocarbon.

2,409,800
TEMPERATURE CHANGE COMPENSATING MEANS
Stuart Rockafellow, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 24, 1944, Serial No. 546,417
5 Claims. (Cl. 74—501)



1. In tensioning means for a cable, a casing supported on said cable, a lever pivotally mounted on said casing and having arms extending along the cable length in opposite directions and on opposite sides and means carried by said casing and connected to the lever for rotating the same about its pivot, said means being formed of material having a different coefficient of expansion than that of the cable so that upon temperature changes the lever will assume different relative positions and tension the cable.

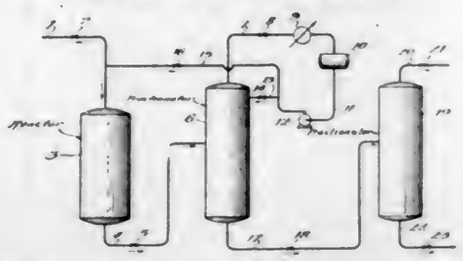
2,409,801
HIGH-TEMPERATURE GAS HEATER
Rudolf Ruegg, Zurich, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application February 15, 1944, Serial No. 522,470
In Switzerland March 29, 1943
7 Claims. (Cl. 126—109)



1. A gas heater for operation at high temperatures, comprising in combination, means enclosing a combustion chamber; at least one burner for causing combustion therein; means including at least one distributor duct having a supply connection for gas to be heated, and at least one collector duct having a discharge connection for heated gas, said distributor and collector ducts being located above the combustion chamber; pairs of tubes, respective tubes of each pair communicating with and being pendant from the distributor duct and the collector duct, said tubes extending into the combustion chamber and overlying the side walls thereof; and a plurality of tubes smaller and shorter than the pendant tubes and connected in parallel with each other between the tubes of each pendant pair, said small

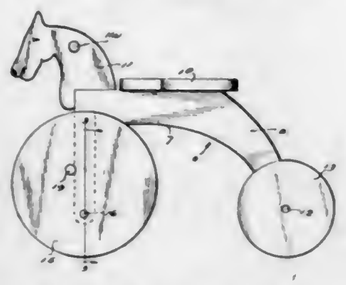
tubes extending inward from and being curved to overlie the pendant tubes and substantially mask the same from radiant heat from said combustion means.

2,409,802
PRODUCTION OF ETHYLBENZENE
Louis Schmerling, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 24, 1942, Serial No. 452,250
2 Claims. (Cl. 260—671)



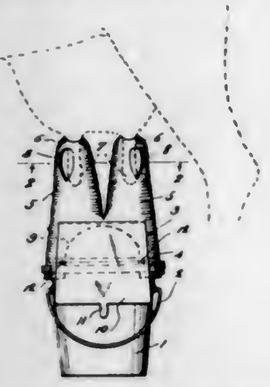
1. A process for the production of monoethylbenzene which comprises reacting benzene, ethyl alcohol and ethylene at a temperature of from about 500° F. to about 750° F. under a pressure of from about 200 pounds to about 1200 pounds per square inch in the presence of a solid prosphoric acid catlayst in a reaction zone, said reaction comprising dehydration of the ethyl alcohol to water and ethylene and alkylation of the benzene by ethylene, separating the reaction products into alkylated benzene and unreacted ethylene and benzene, recovering said alkylated benzene, cooling said unreacted ethylene and benzene under a pressure of from about 200 pounds to about 1200 pounds per square inch in order to dissolve said unreacted ethylene in said benzene, recycling said benzene and dissolved ethylene to the reaction zone for further conversion therein, and maintaining in said reaction zone from 2 to 20 molecular proportions of benzene to one molecular proportion of ethyl alcohol and ethylene.

2,409,803
ROCKING TOY
Rudolph G. Schneider, Houston, Tex., assignor to American Furniture & Toy Company, Houston, Tex.
Application September 2, 1944, Serial No. 552,515
1 Claim. (Cl. 280—1.19)



An all wood wheeled toy of a non-steerable rocking type adapted to move back and forth in a straight path comprising a front standard having rigid handle means connected with its upper end portion, a pair of complemental, opposed frame members having frontal horizontal portions secured at their outer ends to the upper end portion of said standard and having rear, downturned and diverging opposite end portions, a seat board secured to the upper edges of the horizontal portions of said frame members, a front wheel assembly comprising a relatively short, horizontal axle extending through and beyond a bearing formed in the lower end of said standard, relatively large wheels in parallelism on opposite sides of said standard, the outer ends of said axle being eccentrically and rigidly connected to said wheels at predetermined points, and relatively small hub collars fixedly secured to the axle-end and inner surfaces of the respective wheels, said hub collars riding in limited movable contact with adjacent opposite faces of said standard, and a rear wheel assembly comprising a longer axle having small wheels secured to its outer ends, said axle having its end portions extending through bearing holes in the terminals of said frame members, and small hub collars secured to the inner faces of said last-named wheels and riding in limited contact with adjacent surfaces of said frame members.

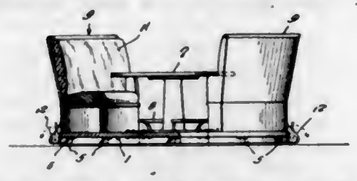
2,409,804
MILK PAIL ATTACHMENT
Archie C. Schwenker, Lincoln, Nebr.
Application June 4, 1945, Serial No. 597,452
4 Claims. (Cl. 31—51)



1. A sanitary cover for a milk pail comprising a body of flexible sheet material open at its bottom and having its upper portion formed with conical extensions formed at their upper ends with openings for receiving teats of a cow being milked, the said extensions having side portions thereof formed with hand holes located near upper ends of said extensions and extending vertically and tapered towards their lower ends, said body being of a diameter adapting its lower end to fit about the upper portion of a milk pail and having its lower portion formed at one side with a pouring opening, an apron for normally closing the pouring opening secured across its upper end to the body above the pouring opening, said apron being of a length adapting its lower portion to overlap a portion of a milk pail below the pouring opening and having its lower end provided with a tab constituting a finger hold for lifting the apron to a raised position out of blocking relation to the pouring opening, and a strap for encircling the lower portion of the body and binding the same to a pail.

2,409,805
DINING BOOTH
John C. Shikles, St. Louis, Mo.
Application June 26, 1945, Serial No. 601,687
6 Claims. (Cl. 155—123)

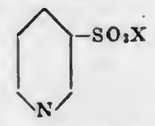
1. A dining booth comprising a platform, a table mounted centrally of said platform, said table being smaller in size but generally similar in shape to said platform, and a pair of benches mounted oppositely on said platform, said benches following the peripheral contour of said platform at their outer sides and following the contour of said table at their inner sides, each



bench comprising a seat portion and a back rest portion, said benches being spaced at their ends to form entrance passageways into the booth.

2,409,806
SYNTHESIS OF NICOTINIC COMPOUNDS
William Shive, Urbana, Ill., and Richard A. Glenn, Mount Lebanon, Pa., assignors to Pittsburgh Coke & Chemical Company, a corporation of Pennsylvania
No Drawing. Application December 8, 1941, Serial No. 422,187
5 Claims. (Cl. 260—296)

1. The process of producing 3 cyano pyridine by heating a mixture of potassium cyanide and sodium cyanide with a pyridine sulfonic acid salt of the following formula



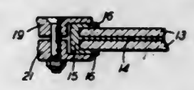
X being selected from the group consisting of alkali metals and alkaline earth metals and recovering the 3 cyano pyridine thus formed.

2,409,807
MINING APPARATUS
Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Continuation of application Serial No. 414,722, October 13, 1941. This application December 23, 1943, Serial No. 515,440
9 Claims. (Cl. 262—28)



8. A mining apparatus comprising, in combination, a mining machine of the kind slidable directly on the floor of a mine during the kerf cutting operation and having a projecting kerf cutter and flexible feeding means including a flexible feeding element attachable to an anchor in the mine for feeding the machine over the mine floor, and a transport truck for the machine comprising a portable base having traction means for propelling the apparatus during transport of the mining machine about the mine, said truck having a machine-receiving-and-guiding frame mounted on said base for adjustment into different elevated positions, and being tiltable on said base irrespective of its elevated position into a position wherein its outer end engages the mine floor, said mining machine when the flexible feeding element of said feeding means is attached to the truck being slidable from the mine floor along said tilted guiding frame onto said truck base, and elevating means for said receiving-and-guiding frame including elevating devices disposed on said base beneath said frame and operatively connected to said frame, and a power device attached to said base and to which said flexible feeding element of said feeding means of the mining machine is operatively connectable and which is operatable by said flexible feeding element to supply operating power to said elevating devices to cause the latter to elevate said receiving-and-guiding frame.

2,409,808
GLAZING UNIT
Charles E. Sowle, Van Nuys, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application February 19, 1942, Serial No. 431,491
8 Claims. (Cl. 189—64)



7. A laminated transparent closure comprising: two panes of transparent material of substantially the same surface area; a layer of transparent plastic material disposed between said panes and bonding the same together; and plastic means bonded to the outer surfaces of said panes adjacent the marginal edges thereof to provide adhering gasket means extending completely around said closure at the margins only of both outer sides thereof, said last-mentioned plastic means being flat and sufficiently thick and wide enough to serve as a leakproof gasket when a clamping force is applied thereto.

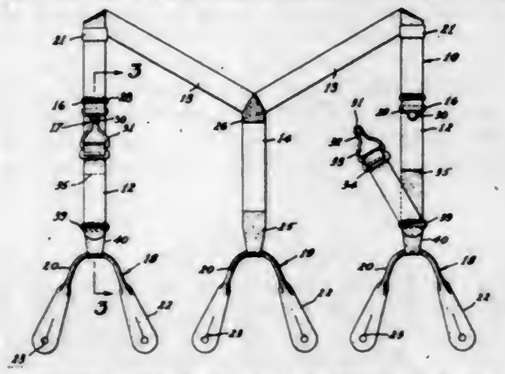
2,409,809
CURING BUTADIENE-STYRENE SYNTHETIC RUBBER
Lawrence R. Sperberg, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 11, 1943, Serial No. 513,989
3 Claims. (Cl. 260—79)

2. The process of making cured butadiene-styrene synthetic rubber articles exhibiting superior properties upon aging which comprises forming said article from a composition comprising raw butadiene-styrene synthetic rubber, carbon black, from 0.5 to 0.75 part of sulfur per 100 parts of said raw butadiene-styrene synthetic rubber, and an accelerator is amount sufficient to permit development of maximum flex life before aging in a curing time substantially equivalent to 30 minutes at 280 F., and curing said article for a period of time equivalent to at least 75 minutes at 280 F., the flex life before aging thereby being markedly reduced but the flex life on accelerated aging being markedly increased.

2,409,810
SUSPENDERS
Edward Stempel, Los Angeles, Calif.
Application February 1, 1946, Serial No. 644,865
4 Claims. (Cl. 2—325)

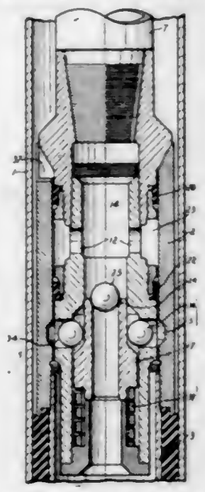
1. A pair of suspenders comprising a pair of shoulder strap members, a garment attaching means for each and a second strap member intermediate each of the shoulder strap members and garment attaching means, said shoulder strap members each comprising a loop of adjustable length and said second strap members each comprising an individual strap forming a loop of fixed length, the lower end of each said last loop having a sliding engagement with the respective garment attaching means, an element

on one end of each second individual strap having an engagement with the lower end of the respective shoulder strap, and a fastener comprising one



part adjacent one end of the second strap and another part adjacent the other end of the second strap having a releasable engagement with the first part.

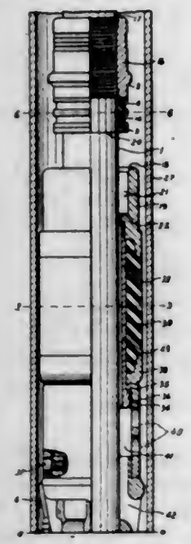
2,409,811
SETTING AND RELEASING TOOL
Raymond G. Taylor, Jr., and Donald B. Hooser, Dallas, Tex., assignors to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application April 4, 1941, Serial No. 386,808
8 Claims. (Cl. 166—10)



1. In a setting and releasing tool adapted to lower a member to be set into a well and to release the same, a body having radially extending channels therein, balls in said channels and adapted to be projected into a recess in the member to be set so as to lock the tool to the member to be set, a piston to hold the balls in the recess when the piston is in one position and to release the balls so as to allow the balls to move out of locking engagement with the member to be set when the piston is in another position, a spring acting on said piston to move it in one direction and the piston being movable in the other direction by fluid pressure.

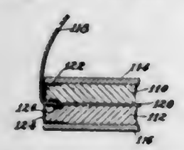
2,409,812
CONTROL HEAD PACKER
Raymond G. Taylor, Jr., and Donald B. Hooser, Dallas, Tex., assignors to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application December 31, 1941, Serial No. 425,080
4 Claims. (Cl. 166—12)

1. In combination with a tubing, a mandrel connected in the tubing, a casing packing element, a sleeve slidable on the mandrel and forming a part of a setting means for the casing packing element, and a recovery ring detachably se-



cured to the mandrel and adapted to engage a shoulder on the sleeve when the mandrel is raised while the packing element is in set position.

2,409,813
REVERSIBLE SHOE
Arthur G. Timson, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 5, 1944, Serial No. 548,197
1 Claim. (Cl. 36—2.5)



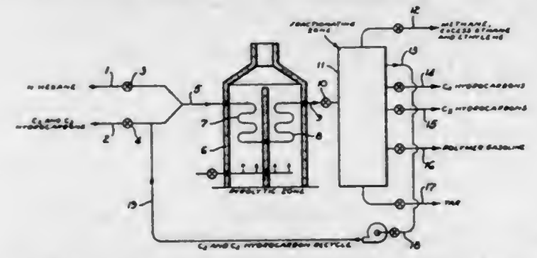
A platform shoe comprising two platform soles corresponding to each other in size, shape and structural characteristics, the soles being in superimposed relation with their edges in alinement, a sole-shaped stay piece secured between the platform soles, an upper having its bottom margin secured to the margin of the stay piece, a wrapper strip covering the margin of one of the platform soles and having one of its margins secured to the margin of the stay piece, and a second wrapper strip covering the other platform sole and having one of its margins secured to the margin of the stay piece.

2,409,814
PHOTOGRAPH HOLDER
Frank J. Vargish, New York, N. Y.
Application December 8, 1944, Serial No. 567,243
5 Claims. (Cl. 40—152.1)



5. A holder for display purposes comprising a sheet of resilient, wholly transparent material folded upon itself to form a front panel, a back panel and a foot portion, the entire area of said front and back panels being uninterrupted and available for display purposes, said front and back panels being joined along one edge by a resilient connection which maintains said panels spaced from one another at the point of connection and for a portion of their length, and urges the portions adjacent the edges opposite said connection into resilient engagement with one another so as to frictionally engage a sheet of display material therebetween, said foot portion being joined to one of said panels by a springy curved portion and angularly disposed with respect thereto to support said holder in an easel-like manner, the side edges of said foot portion being cut away to allow support for the holder in an easel-like manner when resting on its side.

2,409,815
MANUFACTURE OF OLEFINS
Clare Kenneth Viland, Martinez, and Herschel Y. Hyde, Associated, Calif., assignors to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware
Application January 25, 1943, Serial No. 473,456
8 Claims. (Cl. 260—683)



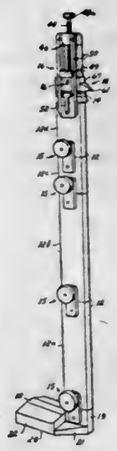
1. The process of producing a mixture of C_5 hydrocarbons containing a high proportion of amylenes which comprises: subjecting a hydrocarbon fraction consisting essentially of normal hexane to a temperature in the range of 1000° F. to 1300° F. while in the presence of added amounts of hydrocarbons from the group consisting of ethane, ethylene, propane, and propylene and in the substantial absence of other added hydrocarbons; fractionally distilling the resulting products; and separating therefrom a mixture of C_5 hydrocarbons; the molal ratio of normal hexane to C_2 and C_3 hydrocarbons subjected to the reaction being between about 1:1 and about 1:7.

2,409,816
SUGAR SYRUP AND PROCESS
Daniel V. Wadsworth, Manhasset, N. Y., and Mary F. Hughes, Jersey City, N. J., assignors to Refined Syrups & Sugars, Inc., Yonkers, N. Y., a corporation of New York
No Drawing. Application July 2, 1945, Serial No. 602,918
10 Claims. (Cl. 99—142)

1. A stabilizing addition agent for inhibiting the crystallizing tendency of a sucrose-rich syrup, comprising: a sterile *Leuconostoc mesenteroides* culture liquor product having a solid content of approximately 50% dextran, 36% levulose, 6% dextrose, 2% sucrose and 6% non-sugars.

2,409,817
GAUGE
George D. Webber, Lakewood, Ohio
Application January 10, 1945, Serial No. 572,109
22 Claims. (Cl. 33—168)

1. A gauge comprising a pair of gauge blocks each provided with a gauging face surface and arranged with said surfaces in mutual contact, tension means secured to one of said blocks against movement toward the other of said blocks, means defining a curved surface on said other of said blocks which is concave in a direction away from said gauging surfaces, wedging means rotatably mounted by said tension means and having a convexedly curved surface substantially complementary to said concave surface, said curved surfaces normally being lightly in con-

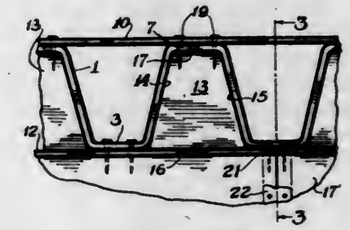


tact with each other or immediately adjacent to each other, and one of said curved surfaces being eccentric with respect to the axis of rotation of the wedging means so that said curved surfaces are forced tightly against each other upon rotation of said wedging means, thereby detachably to hold said gauging face surfaces in mutual contact.

2,409,818
BRUSH AND ART OF COMMUTATION
Hugh H. Wikle, Cleveland Heights, Ohio, assignor to Superior Carbon Products, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 4, 1942, Serial No. 464,531
11 Claims. (Cl. 171—325)

1. A brush comprising graphite, shellac and about 5% to 15% sulphur.

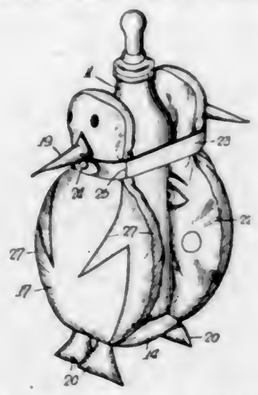
2,409,819
PLYWOOD STRUCTURE
Winfred E. Wilson, Los Angeles, Calif., assignor of one-half to Nina Mae Wilson
Application November 18, 1944, Serial No. 564,147
2 Claims. (Cl. 20—2)



2. A built-up structure formed in the main of plywood, including a thin flexible plywood strip, blocks mounted on a surface of said strip, upright panels secured to said strip and supporting the same, a cellular structure interposed between said blocks, a panel transversely spanning the cellular structure and secured thereto, and means for securing said panel and the cellular structure to the said blocks.

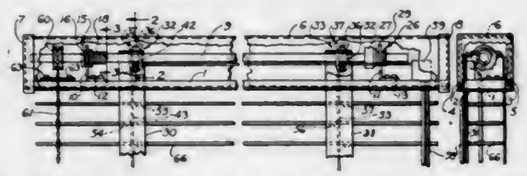
2,409,820
BOTTLE COVER
Benno Zimmern, New York, N. Y.
Application June 3, 1944, Serial No. 538,620
2 Claims. (Cl. 215—12)

1. A nursing bottle holder comprising two padded sections, each having top, bottom and lateral edges constituting the periphery thereof, each of said sections having front and back portions joined together at said periphery; flexible hinge means joining said bottom edges of said two sections with the remainder of said edges free whereby one of said two sections may be rotated through an arc of approximately 360° about the flexible hinge means to expose either the front or back portions of the sections; securing means comprising a tape attached only to a



lateral edge of one of said sections adjacent to the top edge thereof, said tape having a length to encircle said sections with a nursing bottle positioned therebetween, and means detachably securing the ends of said tape together.

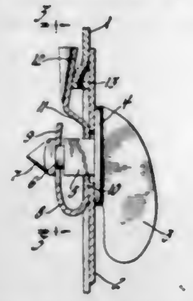
2,409,821
VENETIAN BLIND
Max W. Albrecht, Chicago, Ill.
Application March 5, 1945, Serial No. 581,067
9 Claims. (Cl. 160—34)



9. A Venetian blind comprising a fixed upper supporting bar for the blind provided with holes for the passage of the upper ends of slat supporting tapes therethrough, flanged portions extending outwardly from the sides of said bar adjacent the bottom thereof, an operating mechanism for the Venetian blind mounted on the top of said bar and a housing seated on the said flanged portions enclosing the top and sides of said operating mechanism whereby when said blind is placed in wall brackets the operating mechanism is entirely enclosed.

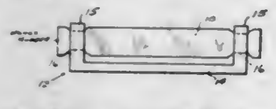
2,409,822
DOOR CATCH
Everett W. Allen, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 13, 1945, Serial No. 616,025
6 Claims. (Cl. 292—241)

1. A rotatable spring latch of the character described, including a handle having a bearing shoulder to contact the outer face of a panel and a squared shank projecting therefrom through and for rotation in an opening in the panel, said shank terminating in a pointed camming tip and having an annular retaining groove adjacent said camming tip, a J-shaped spring, the longer leg of which is arranged to contact the inner face of said panel with a squared opening to fit non-rotatably the said squared shank for rotation therewith and terminates in an inwardly offset portion releasably engageable upon shank rota-



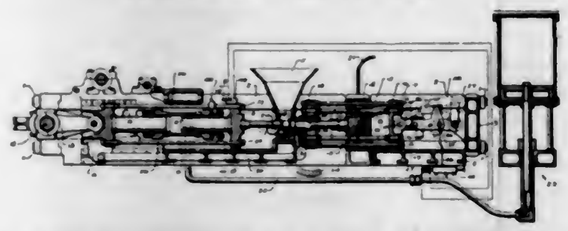
tion with a cooperating seat on a part with which said panel cooperates and the shorter leg of which spring has an opening normally non-axially related to the first mentioned opening to receive the camming tip end of the shank and enable reception and retention of the shorter leg within said annular groove, with the spring loop under sufficient compression to resist displacement and prevent rattles.

2,409,823
EYELASH BUFFER
Clara J. Altman, Detroit, Mich.
Application January 1, 1945, Serial No. 570,900
1 Claim. (Cl. 15—244)



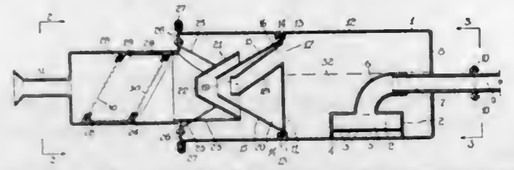
An eyelash buffer comprising a sponge rubber bar and a holder therefor, the bar being elongated and formed with several flat sides and a plurality of longitudinally extending sharp edges, the holder being in the form of a long base formed with transversely extending rings at its ends detachably receiving and gripping the ends of the bar, whereby only the ends of the bar are engaged by the holder, so as to leave several of said edges and said sides of the bar completely exposed and free of the holder.

2,409,824
PRESS
James P. Barbour, Philadelphia, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application July 22, 1941, Serial No. 403,495
8 Claims. (Cl. 78—0.5)



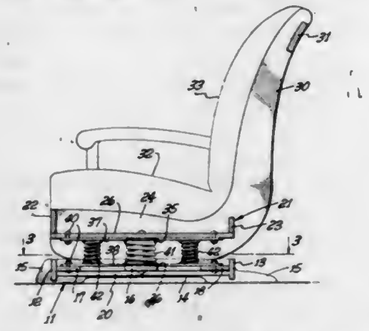
1. The combination in a press comprising opposed working members between which a work-piece is engaged, power means for effecting relative working movement between said members to form the work-piece, means for normally ejecting the work-piece, means rendered operative by said power means automatically in response to an accumulation of material between said opposed working members upon failure of the formed work-piece to be normally ejected, and means controlled by said responsive means for automatically effecting ejection of said additional material upon occurrence of its accumulation.

2,409,825
PROCESS FOR PURIFYING EXHAUST GASES
Bernardo Baringoltz, Pedermar, Argentina
Application December 8, 1942, Serial No. 468,243
1 Claim. (Cl. 23—2)



A process for purifying the exhaust gases from internal combustion engines, which comprises first treating said gases with an agent consisting of the following components in approximately the stated proportions: 20% potassium chlorate, 20% manganese oxide, 20% iron oxide, 20% copper oxide, and 20% calcium carbide, so as to transform the carbon monoxide present in the exhaust gases into carbon dioxide, and immediately thereafter treating said gases with an absorbing agent consisting of the following components in approximately the stated proportions: 50% calcium oxide, 20% iron sulphate, and 30% caustic soda.

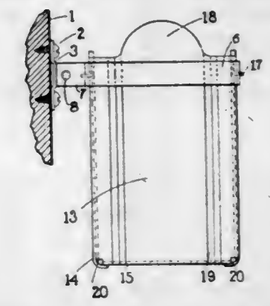
2,409,826
CHAIR
Samuel S. Bernstein, Los Angeles, Calif.
Application May 29, 1944, Serial No. 537,769
2 Claims. (Cl. 155—54)



1. A chair comprising: a stationary base frame, a chair frame superimposed over the base frame, a seat on said chair frame, and means for yieldably supporting the chair frame on the base frame, said means comprising solely a plurality of coiled compression springs extending vertically between said frames, said springs being arranged with one of the springs centrally disposed between said frames; the remainder of said springs being spaced apart from the central spring; and means for securing the ends of the springs to said frames, the centrally disposed spring being relatively stronger than the other springs.

2,409,827
HOLDING DEVICE
William Blankner, Lakewood, Ohio
Application March 1, 1944, Serial No. 524,541
6 Claims. (Cl. 45—28)

3. A holding device comprising a loop shaped supporting frame, two sheet metal shells, each consisting of an integral piece of metal bent to form a back, two sides and a bottom, and trunnions consisting of lugs struck out from one



of the shells near the free edges of its sides and above its center of gravity projecting through perforations in the other shell and into openings in the frame.

2,409,828
AMINOMETHYL AMIDOTHIAZOLES
Louis H. Bock, Huntingdon Valley, Pa., Howard C. E. Johnson, New York, N. Y., and Leonard J. Armstrong, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa.
No Drawing. Application May 14, 1945, Serial No. 593,777
16 Claims. (Cl. 260—302)

1. A condensation product of a 2-carboxylic amidothiazole having a hydrogen atom on the carbon atom in beta position to the ring nitrogen atom and at least one mol each of formaldehyde and a strongly basic, non-aromatic amine having at least one reactive hydrogen atom on the amino nitrogen atom thereof.

2,409,829
ALKYLENE-BIS-UREAS
William Robert Boon, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 4, 1944, Serial No. 529,525
6 Claims. (Cl. 260—553)

1. Alkylene bis-ureas having the structural formula:

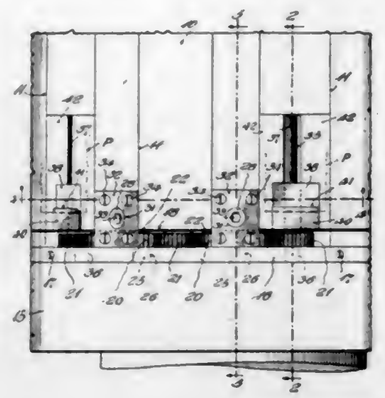
$$X—CO—NR—(CH_2)_n—NR'—CO—X$$

wherein n is any integer from 2 to 6 inclusive, R and R' represent alkyl groups containing together not more than 8 carbon atoms and X represents the imino radical of a secondary amine being a member of the group consisting of dialkyl amines, alkoxy-substituted dialkyl amines, and unsubstituted heterocyclic compounds having an NH group in the ring.

2,409,830
PRINTING PLATE CLAMPING MECHANISM
Albert Braunworth, Queens Village, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application February 16, 1943, Serial No. 476,109
3 Claims. (Cl. 101—378)

1. In a printing cylinder adapted to support relatively rigid printing plates and having an annular bearer recessed in the cylinder at each end thereof, an arcuate plate recessed in the cylinder against the inner side of each bearer, a bearing plate recessed in the cylinder immediately adjacent an arcuate plate, a plurality of movable clips adapted to engage an edge of a printing plate

which is supported on the cylinder, a plurality of clip rods each threadedly engaging a clip and disposed in axial relation to the cylinder and rotatably supported in bearing apertures formed in the arcuate plates, a gear rigidly secured to each clip rod, a drive gear operably connected with the said clip rod gears and having axially alined inner and outer stud shafts rotatably received in cylin-



drical bearing apertures formed in the printing cylinder and the bearing plate respectively and disposed in radial alinement relative to the printing cylinder, the outer stud shaft having a tool-receiving socket formed therein at the cylinder surface whereby a tool may be inserted into the socket to rotate the gears and clip rods to thereby move the clips axially along the clip rods towards or away from the printing plate.

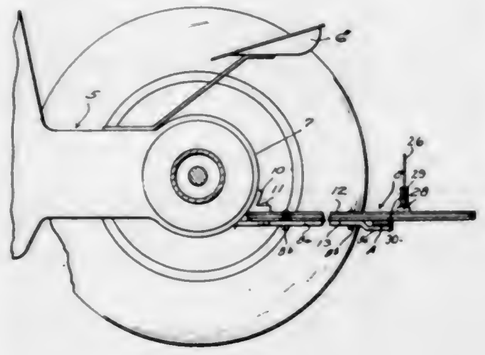
2,409,831

AUTOMATIC HITCH

Carl Brodale, Humboldt, Iowa

Application August 3, 1944, Serial No. 547,832

1 Claim. (Cl. 280—33.15)



A hitch comprising a tractor attached drawbar and a draft vehicle attached tongue, said tongue having an upstanding frame thereon adapted to be engaged by the drawbar, said drawbar consisting of a bifurcated member adapted to receive the frame of the tongue, and an elongated latch member endwise slidable in said drawbar across the bifurcated portion of the drawbar to prevent displacement of the frame, said drawbar consisting of upper and lower plates between which the latch member is slidable, a rocker mounted between the plates, a pull line for the rocker, one end of the rocker being engageable with the latch member for sliding the said latch member with respect to the bifurcated portion of the drawbar.

2,409,832

ARYL-DICYANDIAMIDE PRODUCTION

Wallace Broadbent and Francis Leslie Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 25, 1945, Serial No. 595,891. In Great Britain May 10, 1944

6 Claims. (Cl. 260—551)

1. A process for producing an aryl-dicyandiamide, which comprises reacting the corresponding aryl-azo-dicyandiamide with a strong mineral acid in a liquid medium consisting of water and a water-soluble organic liquid.

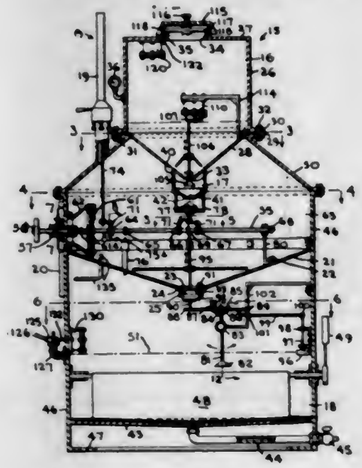
2,409,833

ACETYLENE GENERATOR

Willie D. Burch, Oklahoma City, Okla., assignor of one-half to Forrest Parrott, Oklahoma City, Okla.

Application June 26, 1944, Serial No. 542,140

12 Claims. (Cl. 48—53.3)



1. In an acetylene generator, a housing provided with a carbide hopper and a water reservoir, a measuring receptacle below said hopper, communicating therewith and provided with a valve seat at its lower end; a valve for said seat, having a depending stem; a control rod slidably carried substantially horizontally by said housing, with one end exteriorly thereof, the other end interiorly thereof, and the vertical axis of said stem intersecting said rod; an inverted, substantially L-shaped lever pivotally carried by said housing, with the free end of the normally horizontal arm of said lever below and closely adjacent the lower end of said stem, and the normally vertical arm of said lever straddling said rod; and an abutment on said rod contacting said normally vertical arm.

2,409,834

TAPE MOVING MECHANISM

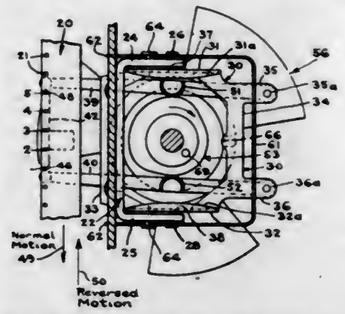
Roy A. Clapp, Minneapolis, Minn.

Application July 19, 1944, Serial No. 545,626

11 Claims. (Cl. 88—18.4)

1. An apparatus for moving an indicia carrying uniformly perforated tape endwise by a periodic step-by-step motion comprising a guideway for maintaining said tape approximately straight throughout a portion of its path of movement, a shaft rotatably mounted and positioned alongside the guideway and perpendicular to the plane thereof, a generally rectangular open-centered frame circumscribing the shaft, pivotal mounting means for said frame, the axis of said pivotal mounting being approximately parallel to the tape

in said guideway with the axis thereof intersecting said shaft, a pair of levers pivotally mounted on the frame on the side opposite the guideways, said levers being approximately parallel to the frame and tape and positioned transversely with reference to the tape one above and the other below the shaft, a link connecting the levers together at a point overlying the tape, said link having a claw thereon positioned in alignment with the perforations of the tape and compound cam



means on said shaft located generally in the open center of the frame, said cam having a cam surface coacting with the levers for moving them about their pivotal mountings on the frame and another cam surface for moving the frame upon its pivotal mounting means all in timed relation for guiding said tip into registry with a tape perforation, then longitudinally of the tape axis for movement of the tape longitudinally, then out of registry with said tape and thence back to starting position while out of registry with said tape.

2,409,835

PROCESS FOR PRODUCING PURE SELENIUM

Charles W. Clark, Westmount, Quebec, and Eugene M. Elkin, Montreal, Quebec, Canada, and George R. Waitkins, Flemington, N. J., assignors to Canadian Copper Refiners Limited, Montreal East, Quebec, Canada, a corporation of Canada

Application October 25, 1945, Serial No. 624,506

14 Claims. (Cl. 23—209)



8. The process of making elemental selenium of high purity, which comprises introducing selenium dioxide in finely sub-divided form into a reaction chamber, introducing at least a stoichiometric amount of ammonia into said reaction chamber, maintaining said reaction chamber at a temperature at least as high as the sublimation temperature of selenium dioxide and thereby causing substantially solely a gaseous phase reaction between the selenium dioxide and the ammonia, and thereafter selectively condensing substantially pure elemental selenium out of the other gaseous materials present in a temperature range substantially above the boiling point of any of such other materials.

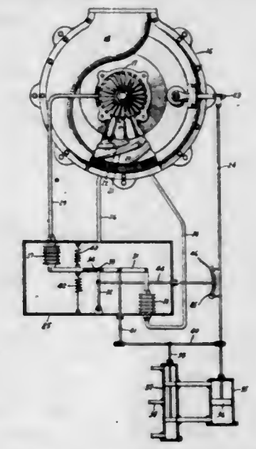
2,409,836

CENTRIFUGAL TYPE COMPRESSOR

Everett L. Coe, Marblehead, Mass., assignor to General Electric Company, a corporation of New York

Application April 21, 1944, Serial No. 532,047

6 Claims. (Cl. 230—114)



1. Centrifugal type compressor having an impeller and a variable vane diffuser, and a control mechanism for positioning the diffuser vanes including means responsive to the ratio of the static pressure rise across the impeller to the static pressure rise across the diffuser to maintain said pressure ratio constant over a wide operating range, and other means to modify automatically the action of the first mentioned means to increase said ratio as the compressor nears the limits of its operating range.

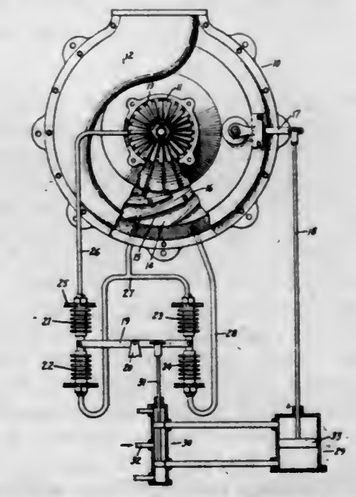
2,409,837

CENTRIFUGAL TYPE COMPRESSOR

Joseph S. Alford, Nahant, Mass., assignor to General Electric Company, a corporation of New York

Application April 21, 1944, Serial No. 532,107

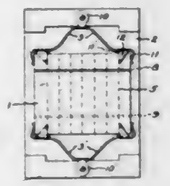
3 Claims. (Cl. 230—114)



1. Centrifugal type compressor having an impeller and a variable vane diffuser for receiving

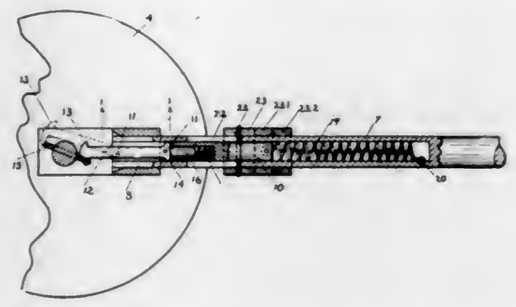
medium discharged from the impeller, motor means for varying the position of the diffuser, and a mechanism for controlling the last named means including a first device responsive to static pressure rise across the impeller and a second device responsive to static pressure rise across the diffuser.

2,409,838
CRYSTAL MOUNTING
Jay J. Cress, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 13, 1945, Serial No. 577,694
11 Claims. (Cl. 171—327)



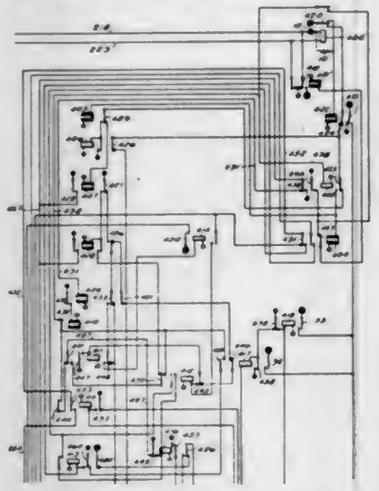
1. In combination, a substantially rectangular piezoelectric plate arranged for shear vibration about a nodal plane parallel to its major faces with a coupled flexure vibration about nodal planes perpendicular to said major faces, and means for mounting said plate comprising a plurality of fingers embracing each corner of said plate and arranged to engage said plate along its edges and upon said major faces only at the edges of said nodal planes.

2,409,839
TOY
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application July 28, 1945, Serial No. 607,594
14 Claims. (Cl. 46—114)



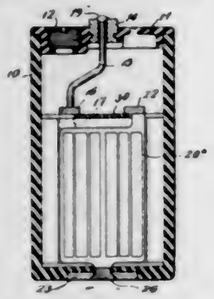
1. A toy comprising a frame, a shaft revolvably mounted on the frame, a pair of spaced supporting wheels united to the shaft, a retractor united to and rotating with the shaft and having an arm projecting radially therefrom, a hollow arm or barrel having one end secured to the frame and the other end extending outwardly therefrom, a plunger slidingly mounted in the arm or barrel, a bar having one end pivoted to one end of the plunger and its opposite end provided with a projection or catch arranged to be engaged and drawn backward by the rotating retractor to a predetermined point and then automatically released from the retractor, a spring mounted in the hollow arm or barrel arranged to exert tension forwardly upon the plunger and to drive it forwardly when the bar is released from the retractor, and means to rotate the shaft.

2,409,840
CONTROL SYSTEM
Willard A. Derr and Maurice E. Reagan, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 7, 1944, Serial No. 543,837
13 Claims. (Cl. 177—353)



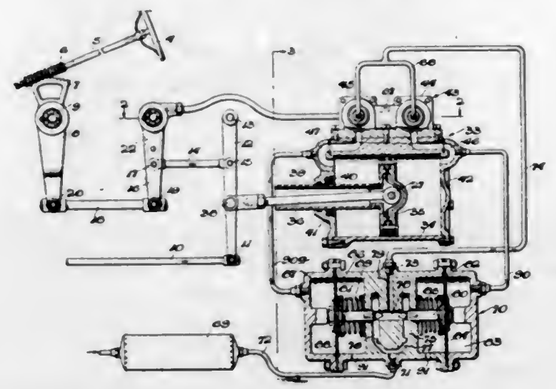
10. A ground detection system for a supervisory control system having supervisory control equipment with separate sources at remote and control stations connected by a single supervisory control channel under the control of impulse relays at each of the stations comprising, ground detection means connected to the source of the remote station operable in response to a ground condition, supervisory means normally controlled by the ground detection means for providing an indication at the control station of a ground condition, and means associated with the supervisory means for preventing the ground detection means from effecting operation of the supervisory means in response to a ground condition at the other station while the channel operatively connects the equipment at both stations.

2,409,841
STORAGE BATTERY
William F. Donkin, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application June 7, 1943, Serial No. 489,900
5 Claims. (Cl. 136—6)



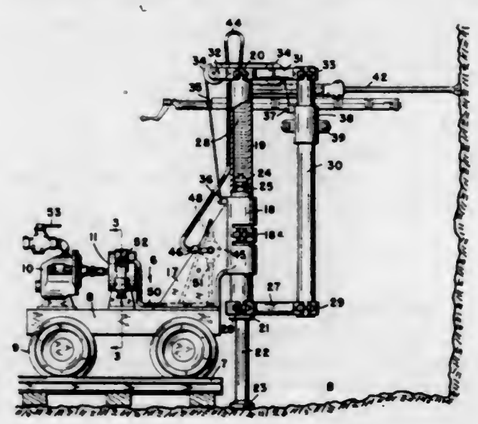
1. In a storage battery, a container, groups of positive and negative plates arranged substantially in parallelism in the container, the plates of both groups having at their upper ends lugs to which straps are connected, a terminal at the top of the battery, a connector connected to the strap connecting the plates of one polarity and to the terminal at the top of the battery, one of the plates of the opposite polarity having a bottom lug, and a bottom terminal connected to said bottom lug.

2,409,842
FLUID PRESSURE CONTROL MECHANISM
Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application July 5, 1944, Serial No. 543,564
13 Claims. (Cl. 121—41)



1. Mechanism for controlling the supply of fluid pressure from a source to a double acting fluid motor of the type having a pair of control valves and a control element for operating said valves to alternately supply fluid pressure to one end or the other end of said motor, said mechanism including a pair of connections each adapted to connect the source with both valves, and means responsive to the pressure in one end of the motor for closing one of said connections and responsive to the pressure in the other end of the motor for closing the other of said connections when said pressures reach predetermined values.

2,409,843
ADJUSTABLE DRILL MOUNTING
Albert Feucht, Garfield Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application July 9, 1945, Serial No. 603,884
4 Claims. (Cl. 255—51)

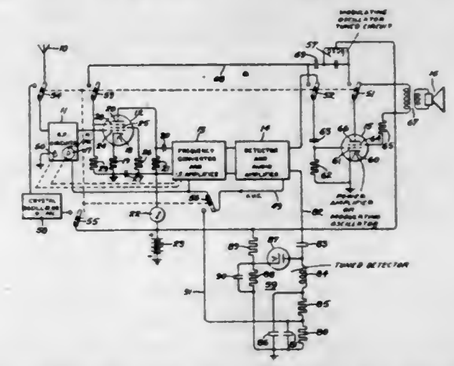


1. In mechanism of the character described, a post adapted to bear against the ground, a unit mounted to travel vertically on said post, a pulley on the upper end of said unit, a slide, a drill carried thereby, said unit comprising a guide track for said slide, and a cable running over said pulley, one end of said cable being fixed and the other being attached to said slide, whereby a given travel of said unit produces double that travel of said slide and drill.

2,409,844
BASIC CAST REFRACTORY
Theodore Estes Field, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware
No Drawing. Application January 29, 1942, Serial No. 428,795
7 Claims. (Cl. 106—57)

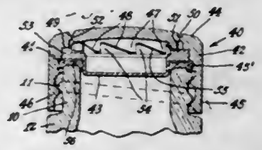
1. A heat cast refractory consisting essentially of zirconia, magnesia, alumina and silica and in which the zirconia is not less than 15% and the silica is not less than 11% and the mols of magnesia are substantially equal to the mols of alumina plus twice the mols of silica.

2,409,845
CALIBRATING DEVICE
Paul C. Gardiner, Scotia, and John E. Maynard, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application November 24, 1941, Serial No. 420,230
3 Claims. (Cl. 250—20)



1. In combination, apparatus for translating an ultra high frequency wave having side bands within a predetermined frequency range, said apparatus including a variably tuned circuit, means for calibrating the variable tuning of said circuit, said apparatus having a pass band substantially wider than said predetermined frequency range to allow for drift in frequency of said pass band or of said wave so as to maintain translation of said wave during such drift, means for impressing a standard frequency wave on said apparatus and for producing side bands associated with said wave and spaced apart by an amount comparable to the pass band of said apparatus, and means for indicating the amount of said side bands transmitted through said apparatus whereby said calibrating means may be adjusted to produce a characteristic amount of said side bands in the output of said apparatus when said standard frequency is centered in said pass band.

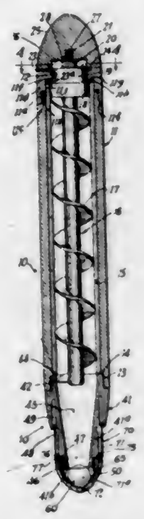
2,409,846
BOTTLE CLOSURE
Edgeworth Greene, Montclair, N. J., assignor to Inter-Seal Corporation, Spring Lake, N. J., a corporation of Delaware
Application November 13, 1942, Serial No. 465,418
7 Claims. (Cl. 215—22)



3. A closure for sealing an opening through the neck of a container, which comprises the combination of an outer cap member adapted to

receive the end of said neck and having means engageable beneath external means on the neck, upon rotational movement of said cap member, to hold the cap member in place on the neck, an inner member within the cap member and of greater overall diameter than the neck opening, and gasket means between the inner member and the end of the neck, the gasket means being capable of resisting slippage on the neck when under pressure, said inner member being constructed and arranged to rotate with the cap member to be brought into sealing engagement with the gasket means, said cap and inner members having cooperating integral parts having opposed surfaces so constructed and positioned that, upon rotation of the cap member, they engage positively and cause the inner member to rotate with the cap member, the cap member being simultaneously urged by said external means to force the inner member against the gasket means to apply pressure thereto, said cooperating integral parts also having other opposed surfaces, at least one of said other opposed surfaces of at least one of the parts being inclined in such direction and at such an angle that upon counter-rotation of the cap member said other opposed surfaces engage and slide relative to one another and cause the part on the cap member to move angularly and outwardly relative to the part on the inner member and the parts simultaneously to apply force to the cap member tending to move it away from the inner member against the resistance offered by said external means on the neck.

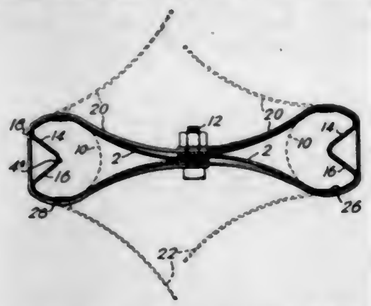
2,409,847
FOUNTAIN PEN
Jon Gregg, New Hope, Pa.
Application October 10, 1944, Serial No. 557,957
14 Claims. (Cl. 120—43)



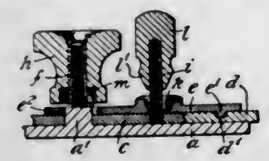
1. A writing instrument comprising a barrel, a worm within the barrel, said writing instrument having a nib, and a paste-like writing substance within the barrel adapted to be pressed towards the nib upon turning the worm within the barrel.

2,409,848
TWIN TUBE MINE CLEARING SNAKE
Gerald G. Greulich, Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application March 10, 1943, Serial No. 478,712
10 Claims. (Cl. 102—22)

4. An elongated mine clearing snake comprising two tubes, one on each side of the longitudinal axis of the snake arranged in side by side relationship, means for fastening the tubes together at their adjacent surfaces, an explosive charge in each of said tubes, each charge having an outwardly facing V-groove in its surface remote from the longitudinal axis of the snake, the center lines of the grooves being substantially in the same horizontal plane, and a spring shoe attached to the leading end of said snake extending from the bottom to a point above the top thereof.



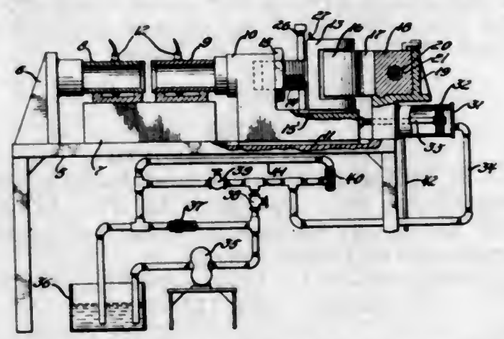
2,409,849
BEVEL PROTRACTOR
Vernon Henry Grey, Coventry, England
Application August 23, 1944, Serial No. 550,719
In Great Britain February 27, 1943
3 Claims. (Cl. 33—102)



3. In a protractor or like measuring instrument, means for locking an adjustable blade to a calibrated dial plate, comprising in combination a circular head, a locking plate slidably mounted in said dial plate having a rib therein which is adapted to engage a groove in said adjustable blade, an elongated hole in said locking plate which is adapted to engage a boss on said circular head which carries a locking means for said calibrated dial plate, an upstanding stud in said calibrated dial plate, a coned hole in said locking plate through which said upstanding stud passes, a sleeve nut having a coned end mounted upon said upstanding stud so that on the coned end of the sleeved nut being screwed down into the coned hole in the locking plate the rib therein draws the adjustable blade into intimate contact with the calibrated dial plate and locks same thereto in its adjusted position.

2,409,850
HYDRAULIC FEED MEANS
James W. Hackett, Newark, Ohio, and Kenneth L. G. Copping, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 1, 1944, Serial No. 524,548
3 Claims. (Cl. 219—4)

1. Electric welding mechanism comprising means for supporting work pieces and for supplying electric current thereto, means arranged to move said work pieces toward each other at a relatively slow rate during a burn-off period, said moving means comprising a hydraulic cylinder and piston, and means to supply fluid to said cylinder at a predetermined rate and pressure, additional moving means adapted and arranged to move said work pieces toward each other at a relatively rapid rate during a push-up period, said additional means comprising an electric motor, and control means for said motor ar-



ranged to be actuated by said first moving means after a predetermined extent of movement thereof.

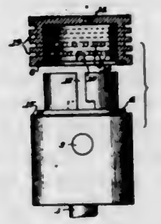
2,409,851
PERYLENE DERIVATIVES
Norman Hulton Haddock, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 2, 1942, Serial No. 433,103. In Great Britain March 12, 1941
10 Claims. (Cl. 260—281)

1. A compound of the general formula

X—R—Q—R'—X'

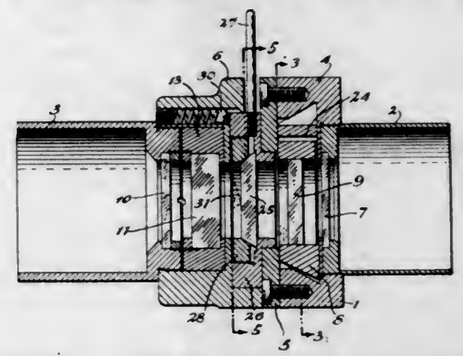
wherein Q is the radical of perylene-3,4,9,10-tetracarboxy-diimide, R, R' represent phenylene radicals selected from the group consisting of phenylene, alkyl phenylenes having not more than 4 carbon atoms in the side chain, and alkoxyphenylenes having not more than 4 carbon atoms in the side chain, said radicals R and R' being attached to the radical Q through the N-atoms of the imide groupings, while X, X' designate radicals which are reducible by alkali-metal sulfides in alkaline medium to mercaptan radicals whereby the entire compound becomes applicable to textile fiber as a sulfur dye.

2,409,852
PISTON FOR INTERNAL-COMBUSTION ENGINES
John L. Harrah, Akron, Ohio
Application March 19, 1945, Serial No. 583,545
4 Claims. (Cl. 309—14)



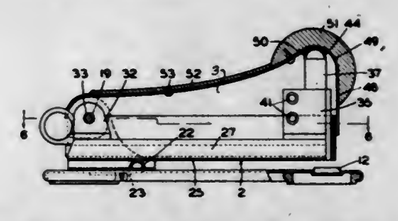
1. In a piston, a hollow cylindrical body, open at both axial ends, the lower portion of said body forming a skirt, wrist pin bearings in said body positioned immediately above said skirt; the upper portion of said body of smaller diameter to form an upward presented, stepped, shoulder, with an upward, projecting hollow neck; and a co-axially arranged reduced portion; said hollow neck having complemental L shaped apertures; a cylindrical top portion provided with ring mounting grooves; said ring section having a top wall and a side wall enclosing a downwardly presented cavity; the lower edge of said wall being stepped to fit on said shoulder; said ring section provided with complemental ribs which project inward from the side wall thereof for interlocking connections with said L shaped apertures on said reduced portion by a rotary movement of said section; inserts positioned through suitable bores in said top wall snugly received in said L shaped apertures in skirt section; said inserts securely held in position with application of lock-thread set-screws firmly screwed into suitable tapped bores in piston top.

2,409,853
OPTICAL INSTRUMENT FOR EXAMINING POLARIZED LIGHT
Paul C. Heijn, Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association
Application January 21, 1943, Serial No. 473,086
3 Claims. (Cl. 88—14)



1. In an instrument for use in examining polarized light, the combination of a plane-parallel plate of quartz and two quartz wedges disposed in series along the optical axis of the instrument for modifying light passing along said axis, the optical axes of said wedges being parallel with each other and perpendicular to the optical axis of said plate, said wedges being of minute angle, means for effecting relative movement between the wedges in the direction of variation in thickness to alter the length of the optical path through said wedges along the axis of the instrument, and means for effecting relative rotation between said wedges about the optical axis of the instrument through 180°.

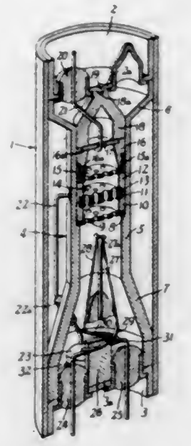
2,409,854
STAPLING MACHINE
Harold S. Heller, Cleveland Heights, Ohio
Application June 25, 1942, Serial No. 448,359
7 Claims. (Cl. 1—3)



1. Stapling apparatus, comprising a channel shaped magazine member having two nesting channel shaped members nested therein and secured thereto and forming guiding means for a staple gang, one of the channel members of the guiding means having its flanges provided near one end with pivot ears and near the other end with supporting plates, a hollow guide supported upon and between said plates, a driving plunger slidable in said guide, and a channel shaped operating member pivoted to said pivot ears and

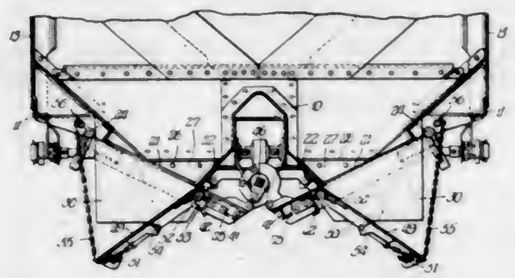
with the magazine member forming a housing enclosing said guiding means, said operating member engaging the plunger to operate the same.

2,409,855
GASEOUS DISCHARGE TUBE
Curtis Hillyer, Jr., and Henry Blackstone, Richmond Hill, N. Y.
Original application September 7, 1940, Serial No. 355,708. Divided and this application March 6, 1941, Serial No. 381,951
12 Claims. (Cl. 250—27.5)



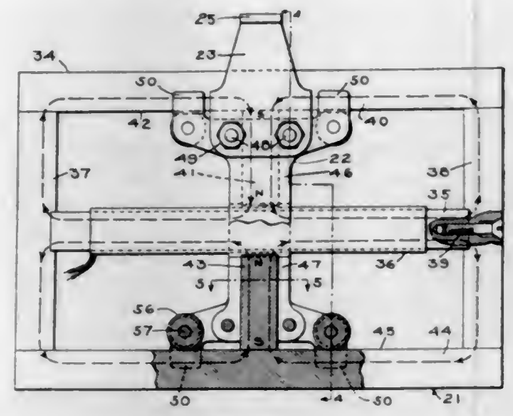
10. An electric discharge device comprising, in combination, a cylinder closed at both ends by headers hermetically sealed thereto, a shock resistant support disposed within said cylinder between said headers, disc-like anode and grid elements carried by said support in spaced relation, means for insulating said elements from one another, a cathode filament in said cylinder, and a shock resistant support carried by one of said headers for supporting said filament.

2,409,856
CAR CONSTRUCTION
David Hindahl, Chicago, Ill.
Application December 16, 1944, Serial No. 568,416
5 Claims. (Cl. 105—281)



1. A car of the character described having a plurality of longitudinally disposed hoppers, said hoppers having longitudinally extending discharge openings, downwardly extending aprons at the ends of the discharge openings, a door construction for each said opening, the door construction comprising a main door and a secondary door, the main door being pivotally supported by the car and the secondary door being pivotally supported by the main door, the secondary door extending the full distance between the inner faces of the aprons and the main door having frame members located beyond the outer faces of the aprons, the downwardly extending aprons extending downwardly below the level of the doors when the doors are in the closed position and serving when the doors are opened to limit endwise flow of material from the doors.

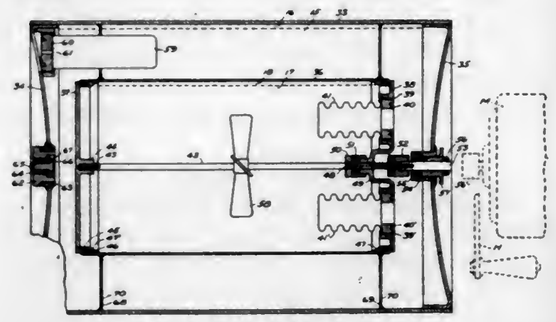
2,409,857
LINEAR GENERATOR
Claude M. Hines, Pittsburgh, and John W. Rush, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 15, 1944, Serial No. 531,278
4 Claims. (Cl. 171—209)



1. An apparatus adapted to be associated with a linearly movable element of a machine for providing an electrical characteristic corresponding to the speed of movement of the element, said apparatus comprising a closed ferromagnetic core having three parallel-extending legs in spaced relation, a winding carried on the central one of said three legs, a carriage member associated with said core adapted to be moved by the linear movement of the movable element in a straight line parallel to the said legs, a pair of permanent magnets of the bar type carried by said carriage member in substantially perpendicular relation to the said legs, said magnets being effective to provide shiftable magnetic flux linked to said coil and effective upon the movement of the carriage member to cause induction of an electrical characteristic in said winding corresponding substantially to the speed of movement of the carriage member.

2,409,858
NONLEAK LIQUID EXPLOSIVE FILLER SYSTEM FOR AMMUNITION
Nevil Monroe Hopkins, New York, N. Y., Raymonde B. Hopkins, executrix of said Nevil Monroe Hopkins, deceased, assignor, by mesne assignments, to Raymonde Briggs Hopkins, Samuel Lloyd, and Murray T. Quigg, as trustees
Application July 31, 1942, Serial No. 453,084
5 Claims. (Cl. 102—57)

1. An explosive filler system for a unit of ammunition, comprising a bi-compartment receptacle, a liquid combustible fluid in one of the compartments, a vapor space between the said liquid combustible fluid and a wall of its compartment, liquid nitrogen tetra-oxide in the other compartment, a vapor space between the said liquid nitrogen tetra-oxide and a wall of its compartment, the one vapor space being equal to the other vapor space, said receptacle comprising a yieldable wall section disposed between the two compartments to transmit the hydrostatic pressure of the liquid nitrogen tetra-oxide to the liquid combustible fluid, means to open one of the compartments

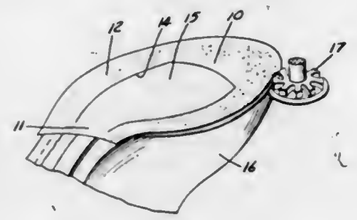


and to bring about the admixture of the liquid combustible fluid and the liquid nitrogen tetra-oxide, and means to detonate the mixture.

2,409,859
2-ETHYLHEXYL FLUOROACETATE
John L. Horsfall, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 29, 1944, Serial No. 570,457
1 Claim. (Cl. 260—487)

2-ethylhexyl fluoroacetate.

2,409,860
SHOEMAKING
Richard A. Huebel, Abington, Mass.
Application May 18, 1945, Serial No. 594,381
4 Claims. (Cl. 12—142)



1. The shoemaking process which includes the steps of cutting out a platform blank to fit the fore-part of a shoe, defining a window in the blank while leaving its shank edge intact, attaching the blank to the bottom of a lasted shoe, trimming and setting the edge of the platform in conformity to the contour of the shoe, removing the defined portion from the platform to form a window and at the same time removing a segment of its ball edge, and then cementing a cushion over the window, filling the space thus provided in its ball edge.

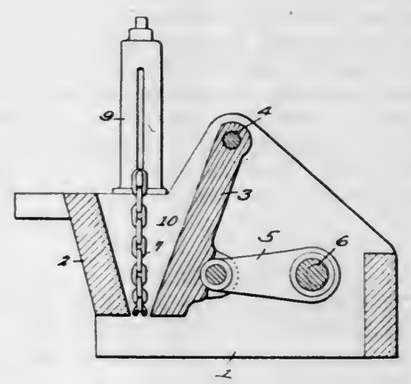
2,409,861
PROCESS AND AGENTS FOR THE RECOVERY OF MAGNESIUM IONS FROM BRINE
Melvin J. Hunter and William C. Bauman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 2, 1942, Serial No. 429,303
5 Claims. (Cl. 23—50)

2. In a method for recovering magnesium ions in relatively concentrated form from a brine containing between 0.01 and 0.8 gram atomic weight per liter of the same and at least an equimolecular proportion of an alkali metal salt, the steps of passing the brine over an alkali metal salt of a carboxylated resin whereby the latter absorbs magnesium ions from the brine, thereafter passing an at least 1-normal aqueous hydrohalic acid solution over the resin to displace the absorbed magnesium ions and form a magnesium halide solution of higher magnesium ion content than that of the initial brine, and subsequently treating the resin with an aqueous alkali metal hydroxide solution which contains an alkali metal halide in a concentration of at least 0.5 normal, to again form the alkali metal salt of the resin.

2,409,862
PRODUCTION OF CHLORINE DIOXIDE
Willis S. Hutchinson, St. Paul, Minn., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application July 12, 1944, Serial No. 544,644
6 Claims. (Cl. 23—152)

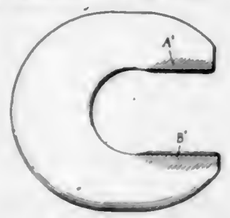
5. In the generation of chlorine dioxide by reacting hydrochloric acid with a chlorine-containing compound of the class consisting of the chlorites and chlorates of the alkali and alkaline earth metals, the improvement which comprises reacting the hydrochloric acid, in gaseous form and in admixture with an inert diluent gas, with the chlorine-containing compound in solid form.

2,409,863
MATERIAL CLEARING ATTACHMENT FOR JAW CRUSHING MACHINES
Albert Fillmore Hyde, New York, N. Y.
Application April 26, 1945, Serial No. 590,490
1 Claim. (Cl. 241—265)



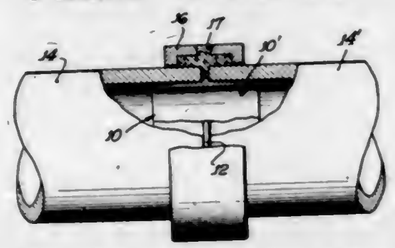
The combination with opposed crushing jaws, one of said jaws being movable toward and from the other jaw, said jaws cooperating to provide a throat for the reception of material to be crushed therebetween, of a flexible device anchored at one end above and at one side of the throat, said device having a loop depending between the jaws at a plane parallel with the axis of movement of the movable jaw, and a lifting device connected to the other end of the device constituting means for raising and lowering the loop relative to the jaws between which it is suspended, said loop being normally extended from one side to the other of the throat.

2,409,864
GAUGE
Robert J. A. Ingouf and Joseph Hilliard Lewis, Kingsport, Tenn., assignors to Blue Ridge Glass Corporation, Kingsport, Tenn., a corporation of New York
Application May 20, 1943, Serial No. 487,772
2 Claims. (Cl. 33—168)



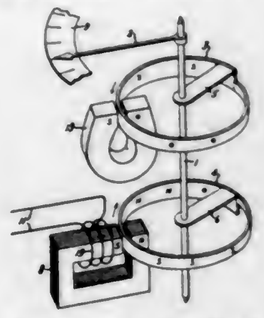
1. A gauge of glass having portions thereof tempered and having those portions thereof adjacent to control points untempered.

2,409,865
PIPE JOINING DEVICE
Howard W. Jewell, Los Angeles, Calif.
Application November 30, 1943, Serial No. 512,332
6 Claims. (Cl. 285—113)
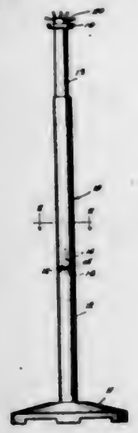


1. A pipe joint comprising two plain end pipe sections of substantially uniform inside diameter in axial alignment, a hollow sleeve comprising a material rapidly disintegrable by action of liquid having a beaded and thickened mid-portion with said bead extending partway between and separating the ends of the pipes, ends on the sleeve tapered inwardly from the bead to a position spaced from the inside wall of the pipe and adapted to entrap liquid between the sleeve and pipe wall to promote distintegration of the sleeve, and a layer of sealing cement surrounding the ends of the pipe adjacent the joint and extending between the abutted ends of the pipe to a position initially in contact with the bead on the sleeve.

2,409,866
DIRECT-CURRENT RATIO MEASURING ELECTRICAL INSTRUMENT
Richard G. Jewell, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application June 16, 1944, Serial No. 540,584
10 Claims. (Cl. 171—95)



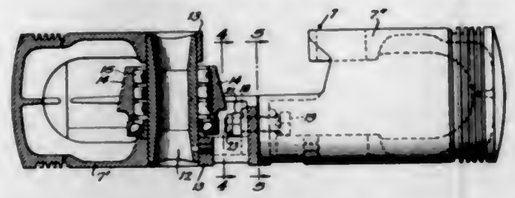
3. In an instrument, a movable armature member consisting of a circular band of thin permanent magnetic material polarized radially through its thin dimension and pivoted for rotation about its center, said band varying in width in an axial direction, and a stationary unidirectional flux magnet having a radial flux air gap through which said band may pass when the armature is rotated.

2,409,867
HAIRPIN STAND
Walter Wilburn Jones, El Paso, Tex.
Application August 2, 1945, Serial No. 608,458
2 Claims. (Cl. 211—13)



2. In a hair pin stand, in combination, a base, a sleeve, a second sleeve bifurcated at an extremity, positioned within said first-mentioned sleeve, resilient means, including a spring positioned between the bifurcations of said second-mentioned sleeve to retain said second sleeve in adjusted position within said first-mentioned sleeve, a tray secured to the top of said second-mentioned sleeve and a magnet secured to said tray.

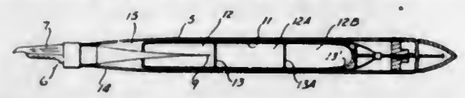
2,409,868
PISTON ASSEMBLY
Charles N. Kahl, Jacksonville, Ill., assignor of one-half to Lee A. Sullivan, Jacksonville, Ill.
Application January 29, 1944, Serial No. 520,172
2 Claims. (Cl. 309—4)



1. In a double-headed split piston having two separable sections, means for securing said sections together in end-to-end relationship and in axial alinement with each other, and yielding means carried by said securing means whereby said individual sections are arranged to expand and contract axially with respect to each other, under varying conditions.

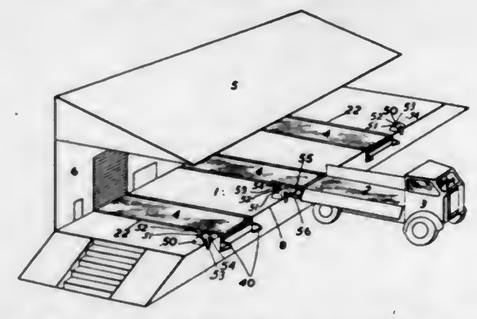
2,409,869
FOUNTAIN PEN
Joseph J. Kelley, St. Louis, Mo.
Application November 14, 1944, Serial No. 563,354
6 Claims. (Cl. 120—42)

1. A fountain pen comprising a barrel having a pen point member and a feeder plug at its lower end, a collapsible ink-containing cartridge movable longitudinally of and removably positioned in the barrel, said cartridge being divided into a longitudinal series of substantially similar non-communicating ink compartments by equally spaced readily puncturable transverse partitions, said cartridge being shorter than the barrel and having a readily puncturable lower end, an upwardly projecting pointed puncturing member of considerably greater length than each cartridge



compartment carried by the feeder plug, and manually operable means carried by the upper end of the barrel and engageable with the upper end of the cartridge for forcing the latter downwardly to first puncture the lower end of the cartridge and then successively collapse the emptied portions of the cartridge and puncture the succeeding partitions as the supply of ink in the successive cartridge compartments is needed.

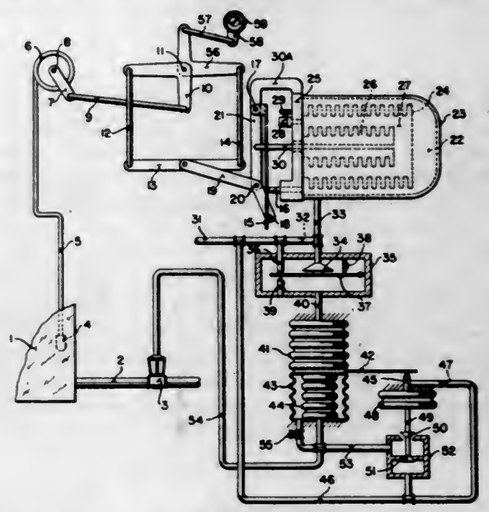
2,409,870
APPARATUS FOR LOADING AND UNLOADING MOVING FLOOR VEHICLES
James Aitken Kinnaird, Braiswick, near Colchester, England, assignor to Bromilow and Edwards Limited, Bolton, England
Application March 29, 1944, Serial No. 528,584
In Great Britain July 14, 1943
1 Claim. (Cl. 214—38)



Apparatus for loading and unloading vehicles, comprising the combination with a vehicle having a moving floor conveyor of the type referred to including conveyor winding drums at each end of the conveyor belt and intermediate rows of supporting rollers, of a loading platform having a similar conveyor with which the vehicle conveyor is adapted to be aligned, wherein the adjacent end drums of the two conveyors are positioned below and inwardly of their respective end conveyor supporting rollers so that the full run of both conveyors is horizontal, one forming a straight continuation of the other with a minimum gap therebetween.

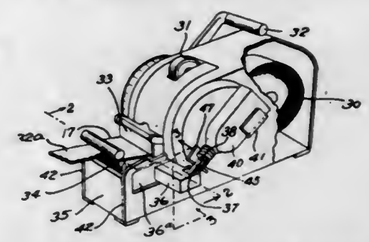
2,409,871
AIR CONTROL INSTRUMENT
Anker E. Krogh, Mount Airy, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 13, 1939, Serial No. 299,287
20 Claims. (Cl. 121—41)

9. In a control apparatus for establishing a pneumatic control pressure, in combination, responsive means continuously and proportionately responsive to the value of a variable, valve means for controlling the supply of air to establish said pressure, first pneumatic motor means mechanically connected to said valve means and having a relatively small ratio of effective movement to pressure change, and immediately, continuously, and proportionately responsive to the control pressure and in accordance with such response and in conjunction with said responsive means operating said valve means in accordance with a relatively narrow proportioning band, second pneumatic motor means mechanically connected to said valve means and having a relatively larger ratio of effective movement to pressure change, and continuously proportionately responsive in the same sense through resistance and capacity



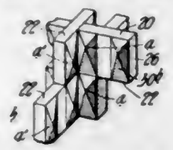
to said control pressure and in accordance with such response and in conjunction with said responsive means operating said valve means in accordance with a relatively wide proportioning band, whereby said valve means is immediately and continuously responsive to the combined action of said responsive means and said first and second pneumatic motor means to change quantitatively said control pressure in proportion to changes in the value of said variable and to the rate of change of the value of said variable.

2,409,872
TAPE SERVING MACHINE
Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, a corporation of New York
Application December 7, 1944, Serial No. 567,051
5 Claims. (Cl. 91—38)



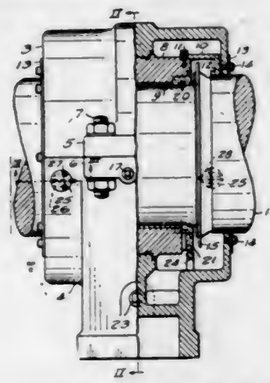
1. In a tape moistening machine having a frame including side walls, moistening and delivering means between said side walls, said moistening means including a tank having a capillary moisture applying element therein, the upper end of which extends above the surface of the liquid in said tank and is normally in the path of travel of the tape, means outside the side walls of said frame for maintaining a constant level of liquid in the tank, including an auxiliary cup outside of the wall of the frame, a supporting bracket mounted on said wall behind and above said auxiliary cup, a bottle overturned in said auxiliary cup and resting in said bracket in slanting position, and a connection from said cup to said tank.

2,409,873
HEAT EXCHANGE
Howard Y. Lankford, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application June 6, 1945, Serial No. 597,922
8 Claims. (Cl. 263—51)



5. A heat exchanger including checkerwork comprising a multiplicity of substantially identical bricks of generally rectangular prismatic form laid up basket weave fashion, with end faces of certain of the bricks abutting side faces of other bricks disposed perpendicular thereto, all of said bricks having flat top, bottom, and end faces, the top and bottom faces being horizontal and the end faces being vertical, the side faces of all said bricks having shallow pyramidal projections which thus extend into the flues defined collectively by the bricks, said pyramidal projections being effective to create a turbulence of air or gas passed through said flues.

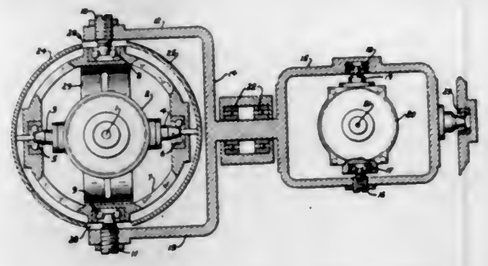
2,409,874
BEARING CONSTRUCTION
Gerhard P. Lessmann, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 28, 1943, Serial No. 496,403
6 Claims. (Cl. 308—36.5)



3. In combination, a rotatable shaft, a bearing for said shaft, means for supplying oil to said bearing, a radial flange on the shaft for throwing off oil escaping from the bearing, and an oil wiper mounted adjacent said flange at the side thereof away from the bearing, said oil wiper engaging the radial surface of the flange at the periphery thereof to wipe off any oil which travels over the flange without being thrown off, the area of contact between the oil wiper and said radial surface being small compared to the area of the radial surface.

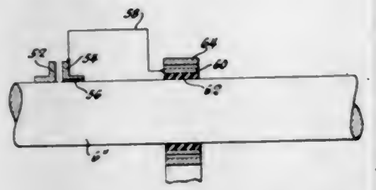
2,409,875
GYRO ASSEMBLY
Boyd G. Martin, Shaker Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application July 26, 1944, Serial No. 546,649
6 Claims. (Cl. 74—5)

1. In a gyroscopic assembly employing a main rotor, an inner gimbal, a second gimbal for supporting said inner gimbal about an axis at right angles to said rotor spin axis, a third gimbal for supporting said second gimbal about an axis at right angles to that of said inner gimbal and said rotor spin axis, means for pivotally suspending said third gimbal about an axis in alignment with said inner gimbal axis and at right angles to that



of said second gimbal and the spin axis of said rotor, gyroscopic means including an auxiliary gyro rotor with an inner and outer gimbal the latter of which is rigid with said third gimbal for stabilizing said third gimbal and maintaining the same normal to said main rotor spin axis.

2,409,876
SHAFT TORSION MEASURING MEANS
Edward J. Martin, Pleasant Ridge, Mich., Carl E. Grinstead, West Hartford, Conn., and Robert N. Frawley, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 7, 1942, Serial No. 433,820
5 Claims. (Cl. 73—68)



1. In measuring means for use on a rotatable member, capacitance means mounted on said rotatable member whose value will be altered upon a variation in the physical condition of said member, a circular ring mounted on the rotatable member but electrically insulated therefrom, connected to said capacitance means, a stationary ring concentrically mounted around the circular ring but spaced therefrom, electrical measuring means connected to said stationary ring whereby changes in the capacitance of the first-named means will be transmitted to the measuring means through the capacity of the condenser formed of the two concentric members.

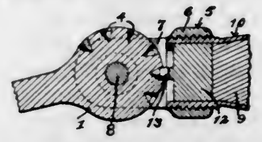
2,409,877
LUBRICATING OIL
Robert L. May, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 15, 1944, Serial No. 545,193
4 Claims. (Cl. 252—46.7)

1. A lubricating oil composition comprising a major proportion of a petroleum lubricating oil and a minor proportion, effective to retard oxidation of the oil, of an inhibitor resulting from the reaction of an alkylated phenol with the condensation product of turpentine and phosphorus pentasulfide, the alkyl group of the alkylated phenol being a saturated aliphatic radical.

2,409,878
LUBRICATING OIL
Robert L. May, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 15, 1944, Serial No. 545,195
5 Claims. (Cl. 252—32.7)

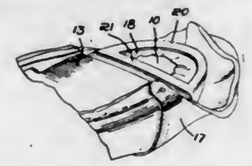
1. A lubricating oil composition comprising a major proportion of a petroleum lubricating oil and a minor proportion, effective to retard oxidation of the oil, of the reaction product of zinc oxide and an organic compound resulting from the reaction of an alkylated phenol with the condensation product of turpentine and phosphorus pentasulfide, the alkyl group of the alkylated phenol being a saturated aliphatic radical.

2,409,879
ADJUSTABLE TOOL HANDLE FASTENING
Thomas J. McIntosh, Westville, S. C., assignor of one-half to Edgar D. Moore, Charlotte, N. C.
Application February 28, 1946, Serial No. 650,861
3 Claims. (Cl. 306—12)



1. In a device of the class described, the combination of a tool provided with a disc-head, said disc-head provided with a plurality of sockets in its periphery, a socket device provided with clamping jaws, said jaws being against the sides of said disc-head only, fastening means extending through said jaws and disc-head, said socket device provided with an internally threaded sleeve, a handle provided with a fixed spur, and said handle normally threaded into said sleeve with said spur extending into one of said sockets of the disc-head.

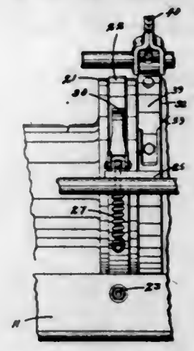
2,409,880
SHOEMAKING
Harry G. McMurray, Wakefield, Mass.
Application December 9, 1944, Serial No. 567,403
6 Claims. (Cl. 36—77)



6. A safety shoe including in its structure an insole comprising two superposed sections, a metal box toe having a base flange interleaved between the two sections, and spurs at opposite sides of said flange clenched in the outer of said insole sections.

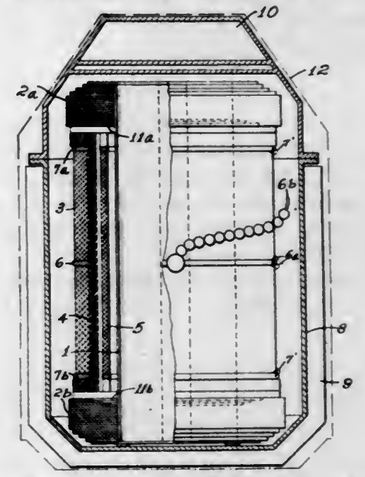
2,409,881
SNUBBER FOR HOISTS
Andrew Meyer, Cleveland Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application August 5, 1943, Serial No. 497,425
8 Claims. (Cl. 192—4)

1. In apparatus of the character described, a pair of adjacent rotatable drums, a friction device associated with one of said drums and adapted to be applied thereto to retard rotation of said one drum, said friction device when set to grip its drum being capable of limited movement with said one drum, and a friction device associated with the second drum to retard rotation thereof



and adapted to be released in response to said limited movement of the first friction device.

2,409,882
ELECTRICAL TRANSFORMER
August Meyerhans, Rieden, near Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application January 26, 1942, Serial No. 428,288
In Switzerland November 23, 1940
3 Claims. (Cl. 175—356)

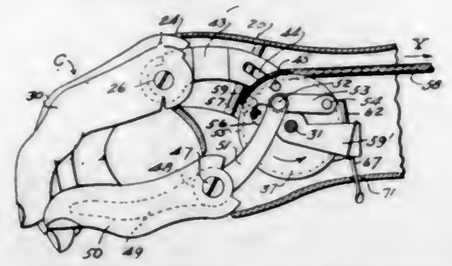


1. A travelling transformer for railroad cars, particularly for very large power outputs and very high voltages comprising an iron core consisting of radially laminated columns and transversely laminated yokes, and primary and secondary windings on the columns, wherein the primary winding surrounds the secondary winding and comprises two axially arranged sections, a central guard ring located between said primary winding sections and two end guard rings contacting the opposite ends of said primary winding sections, the central guard ring serving as the high voltage connection to the primary winding and the end guard rings serving as neutral point connections for the primary winding.

2,409,883
RESINOUS DIBASIC CARBOXYLIC ACID SALTS OF A GUANIDINE AS MOTHPROOFERS
Vartkes Migrdichian, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 3, 1940, Serial No. 317,173
13 Claims. (Cl. 167—37)

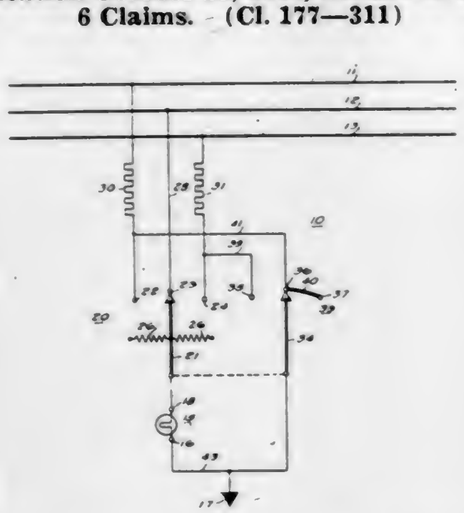
1. A mothproofing composition containing a dixylyl guanidine sebacate, the salt having resinous properties.

2,409,884
ARTIFICIAL ARM AND HAND
Delbert Clark Mollenhour, Mentone, Ind., assignor to Franklin I. Saemann, New York, N. Y.
Application April 4, 1945, Serial No. 586,505
8 Claims. (Cl. 3—12)



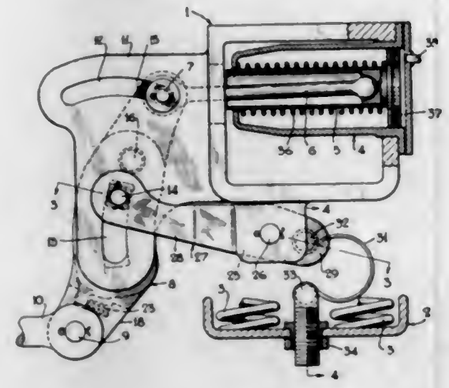
1. In an artificial limb, a hand member having a hollow body, a finger portion and a thrumb portion, at least one of said portions being pivoted to the body to bias toward and from the other, spring actuated means in the body urging said pivotal portion to bias away from the other, said spring actuated means including a rotatable disc having a peripheral groove, a ball engageable in said groove, and a ball guide holding said ball and inclined to lie closer to the disc periphery at one end than at the other, the closer end of the guide being spaced from the disc a distance less than the diameter of the ball.

2,409,885
GROUND DETECTOR
Emil Monori and Conrad B. Myhre, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 25, 1944, Serial No. 560,335
6 Claims. (Cl. 177—311)



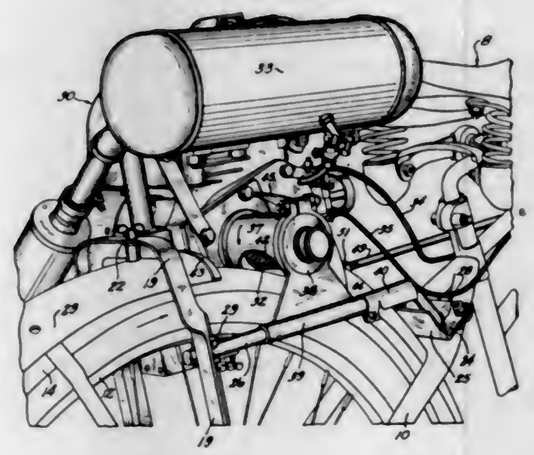
1. In a ground detector system for a 3-wire electrical system having a neutral conductor, a lamp having one terminal grounded, impedance means connected to each of the other conductors, circuit means including a switch normally connecting the other terminal to the neutral conductor and selectively operable to connect it to the impedance means of either of the other conductors, and circuit means including control means normally connecting the grounded terminal of the lamp to one of the other conductors and connecting one of the impedance means to ground, said control means being operable in accordance with operation of said switch to connect said other terminal to the impedance means of a different one of the other conductors.

2,409,886
VARIABLE LOAD BRAKE
Emil G. Mueller, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 12, 1945, Serial No. 587,886
10 Claims. (Cl. 188—195)



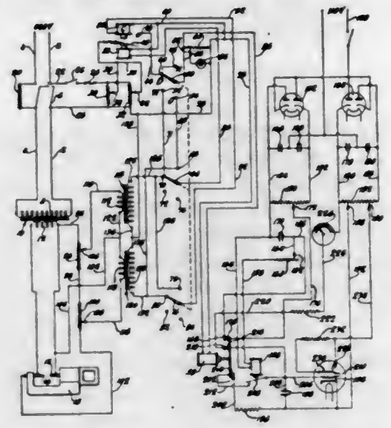
1. In a variable power mechanism, in combination, a lever for transmitting power comprising two parts capable of pivotal movement relative to each other when power is applied to the lever, a fulcrum for said lever shiftable longitudinally of said parts to different positions to vary the power ratio of the lever, means operative to apply power to said lever, the parts of said lever responding to the power applied to said lever as an incident to the operation of said means to engage and hold said fulcrum in any position to which it has been shifted, said fulcrum when engaged by said parts rigidly connecting the parts together.

2,409,887
MOTOR BICYCLE
George F. Murphy, Milwaukee, Wis.
Application December 29, 1943, Serial No. 516,045
5 Claims. (Cl. 180—33)



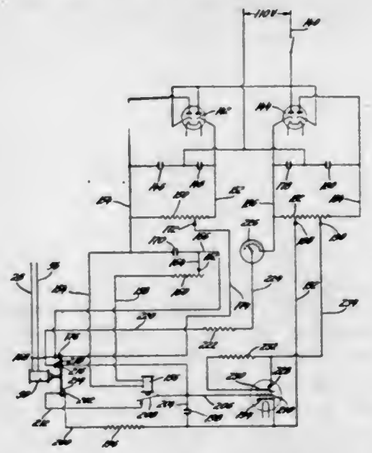
1. In a motor bicycle having a frame and having a tire-equipped rear driving wheel, a motor driven tire-engaging friction pulley, and slidable means supporting said pulley on the frame for movement in a direction extending longitudinally of the bicycle, said slidable means being so located that the pulley is directed into driving engagement with the tire at a location forwardly of and below the uppermost portion of said tire so that the rotation of the pulley constantly urges said pulley into tighter engagement with the tire during normal operation.

2,409,888
TIMING DEVICE
Jack Ogden, Huntington Woods, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 21, 1940, Serial No. 357,794
11 Claims. (Cl. 219—4)



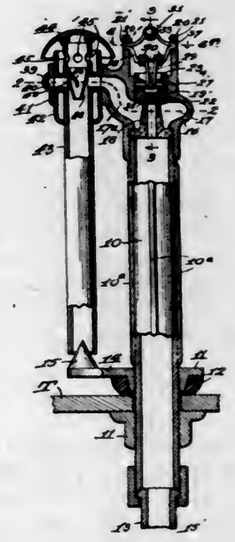
5. In a system for measuring various time intervals in a complete machine cycle, some of the periods being duplicates as far as machine conditions are concerned but appearing at different times in the complete cycle, indicating means, switching means for controlling the energization of said indicating means, control means connected to the machine for actuating the switching means and a second control means superimposed upon the first and energized at desired intervals to cause deenergization of the main control means during duplicate condition periods when measuring the time of one of these.

2,409,889
TIMING DEVICE
Jack Ogden, Huntington Woods, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application September 21, 1940, Serial No. 357,794. Divided and this application September 22, 1945, Serial No. 617,991
7 Claims. (Cl. 161—15)



1. In a timing device, a cathode ray tube having a target and control electrode, a condenser connected to said control electrode whereby the charge thereon will alter the pattern on the target, a source of voltage connected to the condenser, a variable resistance connected between the source and the condenser, switching means to control the circuit whereby the condenser is periodically charged and discharged and the pattern on the target is simultaneously varied as the switching means is operated, and automatically operated delay means connected into said circuit to prevent immediate discharge of the condenser upon deenergization of the switching means.

2,409,890
ANTISIPHON BALL COCK VALVE
Jesse C. Owens, Los Angeles, Calif.
Application August 6, 1943, Serial No. 497,602
4 Claims. (Cl. 137—104)

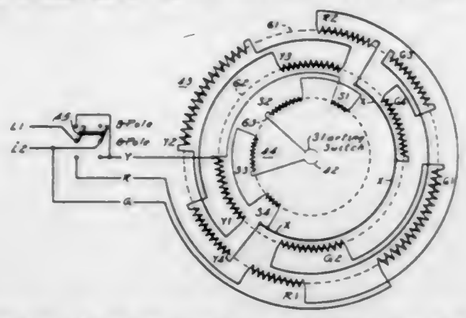


1. The combination with a fluid tank supply pipe, a valve housing mounted thereupon, said housing having primary and secondary chambers and float controlled valvular means for controlling the flow of water from said supply pipe, a short tubular member passing vertically through the secondary chamber in said housing, a tube secured to and passing axially through said short tubular member and depending a substantial distance therefrom, the upper portion of said second mentioned tube being spaced apart from said short tube, radial ducts establishing communication between the secondary chamber and the duct through said second mentioned tube, there being ports providing communication between said radial ducts and the chamber within the lower portion of said short tubular member, and there being ports formed through the wall of the second mentioned tube for establishing communication between the duct through said tube and the chamber in the first mentioned tube above said radial ducts.

2,409,891
VARIABLE-SPEED MOTOR
Lewis C. Packer, Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 9, 1942. Serial No. 468,339
2 Claims. (Cl. 172—278)

2. A self-starting, single-phase, plural-pole-number induction motor, having a stator member having a main winding and a starting winding, and having a rotor member having a secondary winding of a type suitable for a plurality of different pole-numbers, the main winding having a plurality of winding-groups connected together internally of the machine and having a plurality of terminal-leads, the winding-groups being such that the pole-number is changed by changing the manner in which the terminal-leads are connected in a single-phase circuit, externally of the machine, the main winding having

a plurality of circuits including one particular main-winding circuit which is in use in both pole-number connections, but with a reversal of current-flow in that particular main-winding circuit when the connections are changed from one pole-number to the other, the starting winding having such flux-distribution wave-form as to



be capable of effectively operating to start the motor at either pole-number without any change in the starting-winding flux-distribution wave-form, and internal circuit-connections for connecting said starting winding in parallel-circuit relation to that particular main-winding circuit.

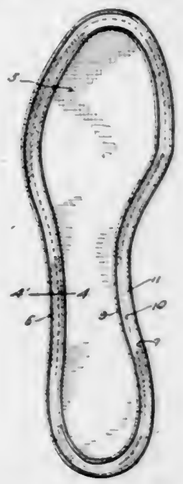
2,409,892

SHOE BINDING FOR PLATFORM SOLES

Harry Pecker, Lynn, Mass.

Application December 30, 1944, Serial No. 570,571

2 Claims. (Cl. 36—22)



1. As a new article of manufacture, a binding strip adapted to cover the raw unfinished edge of the platform of a shoe comprising a fabric tape, a finish coat on the fabric tape of a width sufficient to completely cover the edge and to lap over the adjacent margins of the upper and lower surfaces of the shoe platform, an area of uncoated tape along each side edge of the finish coat and a layer of the finish coal along each margin of the tape adjacent the uncoated portion whereby fraying of the side edges of the tape will be restrained.

2,409,893

SEMICONDUCTING COMPOSITION

Wesley W. Pendleton and Leslie E. Frost, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application April 30, 1945, Serial No. 591,234

7 Claims. (Cl. 201—76)

1. A composition of matter comprising as essential ingredients, in combination, 5 to 18 parts by weight of finely divided natural anthracite coal having more than about 1% and less than 10% volatile matter, from 2 to 15 parts by weight of gum arabic, from about 5 to 25 parts by weight of a monohydric alcohol having from 1 to 4 carbon atoms, ammonia in an amount of the order of ½ of 1% to enable a good suspension to be produced and from 55 to 70 parts of water, the whole forming a suspension.

2,409,894

STABILIZED FABRIC AND METHOD OF MAKING THE SAME

Edward C. Pfeffer, Jr., and John A. Tweed, Troy, and Jack Jarmak, White Plains, N. Y., assignors to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York

No Drawing. Application August 25, 1944, Serial No. 551,250

3 Claims. (Cl. 28—72)

1. Method of preparing a stabilized fabric suitable for shirting and launderable dress goods and having substantially the appearance, feel and draping qualities of shirting and the like fabrics composed of pure spun rayon, which comprises interweaving filling yarns consisting of pure spun rayon with warp yarns consisting of a blend of from 40% to 60% rayon staple and from 60% to 40% cotton staple, thereafter subjecting the woven fabric to an aqueous finishing treatment, and subsequently subjecting the treated fabric to warp-wise compressive shrinkage, thereby stabilizing it in respect to progressive laundry shrinkage.

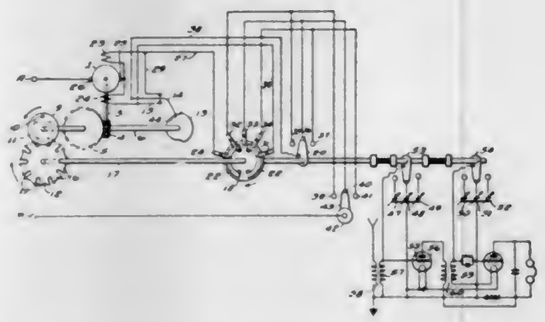
2,409,895

ELECTRICAL POSITIONING SYSTEM

George H. Phelps, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 5, 1943, Serial No. 474,829

6 Claims. (Cl. 172—239)



1. In an electrical positioning system, switching means adapted to be positioned in definite steps over a series of contacts, a motor for driving said means, an energizing circuit for said motor including a current source and a circuit control switch in series therewith operated in conjunction with the positioning of said means, said circuit control switch determining also the direction of rotation of said motor, a selector switch adapted to be placed at a remote point for selecting at will the positioning of said switching means to any one of the number of said series of contacts, said selector switch completing the energizing circuit through said control switch to said motor and a hold-over switch maintaining said energizing circuit closed until the positioning of said switching means is fully completed and after said control switch reaches its open circuit position.

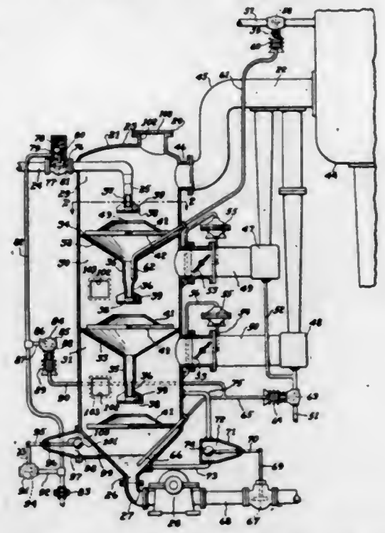
2,409,896

COOLING APPARATUS

John F. Plummer, Jr., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application July 8, 1944, Serial No. 543,983

7 Claims. (Cl. 62—152)



1. In apparatus for cooling a liquid by evaporation, comprising a casing having a cooling chamber and a discharge opening, means for creating a sufficiently low pressure in the chamber to cause the liberation of vapor from the liquid, conduit means for introducing liquid into the chamber, and deflector means lying across the outlet end of the conduit means in spaced relation therewith to cause the liquid to flow through the chamber in the form of a sheet, a divider to cause the formation of an opening in such sheet of liquid for the passage of vapor from one side to another of the sheet.

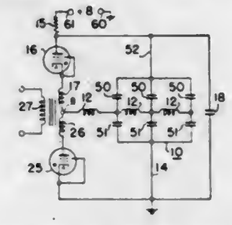
2,409,897

HIGH-FREQUENCY PULSE GENERATOR

John A. Rado, Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application February 27, 1945, Serial No. 579,955

2 Claims. (Cl. 260—27)



1. A high-frequency pulse generator comprising, means for supplying a unidirectional potential to said generator having one terminal connected to a common terminal of said generator maintained at a fixed reference potential and having a second terminal by-passed for alternating currents to said common terminal, an energy-storage device including a transmission-line section having an input terminal and having shunt-connected condensers half of which are connected between said second terminal of said potential supplying means and said input terminal while the remaining half thereof are connected between said common terminal and said input terminal, means for effectively connecting said input terminal to said second terminal of said potential supplying means to provide a charging circuit for establishing a predetermined charge on said energy-storage device in a time interval which is short with reference to the minimum period of the generated pulses, means for effectively connecting said input terminal to said common terminal to provide a discharging circuit for said energy-storage device which is electrically equivalent to said charging circuit, means coupled to said charging and discharging circuits for deriving an output pulse of a given polarity and amplitude in response to the charging of said energy-storage device and for deriving an output pulse of the same polarity and approximately the same amplitude in response to the discharging of said energy-storage device, and means for controlling said charging and discharging circuits alternately to charge and discharge said energy-storage device so as to generate output pulses of said given polarity and amplitude and occurring in a predetermined time sequence.

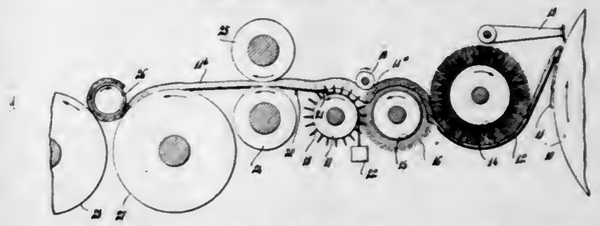
2,409,898

MACHINE FOR FORMING HEAVY SLIVER LAP

Thomas S. Ramsdell, Housatonic, Mass.

Application August 10, 1943, Serial No. 498,129

6 Claims. (Cl. 19—155)



1. A machine for forming a heavy sliver lap which comprises means for removing an ordinary web from a card doffer, movable condensing means having a surface covered with impaling pins, a rotatable member having a peripheral surface adapted to engage the surface of the web and a supporting sheet over which the web is movable by the rotatable member for feeding the web after its removal from the card doffer to the condensing means at a rate faster than the movement of the condensing means, so that the web will accumulate and build up in thickness thereon, and means for stripping the condensed, built up sliver lap from the condensing means.

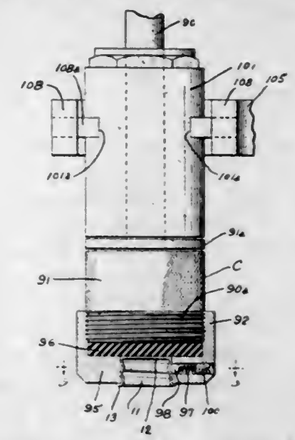
2,409,899

CAP CHUCK

Manuel S. Resina, Brooklyn, N. Y.

Application June 8, 1944, Serial No. 539,260

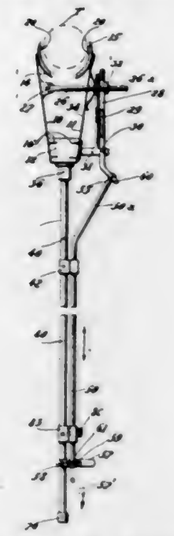
11 Claims. (Cl. 226—88)



1. In a machine of the character described, a rotating cap applying chuck, said chuck having

an aperture formed in the base thereof, said chuck having a pluralty of radiating bores formed in the wall surrounding the aperture, said bores terminating at the face of said aperture, rollable cap gripping means located within said bores and means within said bores for resiliently projecting said cap gripping means into said aperture.

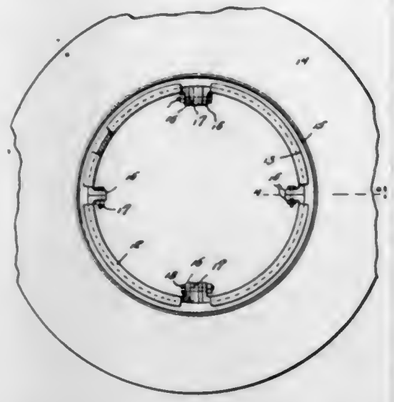
2,409,900
FLUORESCENT LIGHTING FIXTURE SERVICING IMPLEMENT
Robert T. Riker and Joseph H. Molat, Brooklyn, N. Y.
Application January 24, 1945, Serial No. 574,304
6 Claims. (Cl. 294—20)



1. A fluorescent lighting fixture servicing implement comprising a first spring arm and a second spring arm constituting a pair of substantially vertically disposed spring arms normally spaced apart, a relatively long handle, a support for said arms disposed at one end of said handle so that the upper ends thereof will be free, an arcuate jaw member fixed to said free end of each spring arm, said jaw members being in opposed relationship and adapted to clamp and hold between them the elongated glass tube of said fluorescent lighting fixture when said spring arms are urged towards each other, and means for causing said spring arms to move toward each other, said last named means comprising a substantially horizontally disposed rod member having one end thereof pivotally mounted on said first arm and the opposite end passing freely through an opening in said second arm, an abutment on said rod member, adjacent the free end thereof, an extending bracket portion on said support, a substantially vertically disposed rigid member pivotally mounted at the lower end thereof on said bracket and having an opening adjacent the upper free end thereof through which said horizontal rod member freely passes, said upper free end of said rigid member being disposed between said second arm and said abutment, so that pivotal movement of said rigid member in a direction toward said abutment will cause the resilient movement of said first arm toward said second arm.

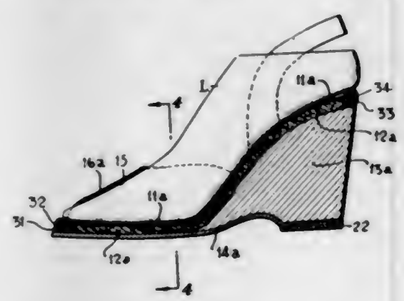
2,409,901
SEPARABLE RIM
Lyman B. Russell, Jr., Edinburg, Tex.
Application March 24, 1944, Serial No. 527,943
2 Claims. (Cl. 152—405)

1. A separable tire rim comprising a continuous annularly extending rim section, a plurality of transversely split rim segments, said continuous annular section and said transversely split rim segments cooperating to form a complete tire rim, cooperatively opposed annularly extending radially inwardly projecting flanges on the abutting edges of said continuous annular section and transversely split rim segments, means detachably connecting the opposed flanges to each other, cooperatively opposed and abutting transverse radially inwardly projecting flanges on the



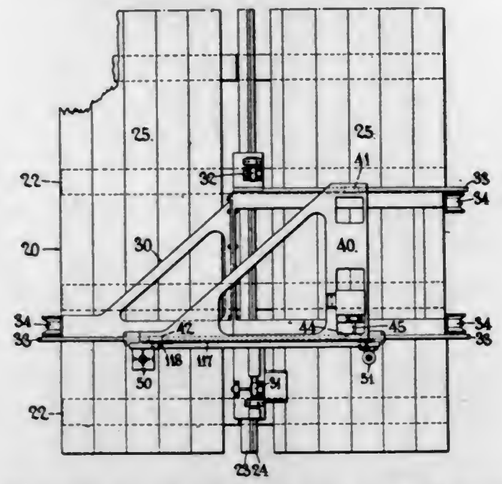
adjacent edges of said transversely split rim segments, means detachably connecting the respective cooperatively opposed and abutting transverse flanges together, and separate detachable spacing members interposed between at least one pair of said transverse rim segment flanges, said detachable spacing members being releasably held as interposed between said last-named flanges by the same means which connect the flanges detachably together.

2,409,902
SHOE
Theodore Saval, Sierra Madre, Calif.
Application June 1, 1943, Serial No. 489,263
3 Claims. (Cl. 36—19.5)



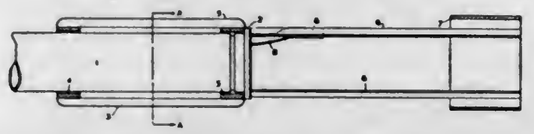
1. An open shoe comprising, a lined upper in which the lining is unattached to the covering in the insole region and the covering is formed with an integral marginal extension depending below the adjacent edge of said lining to form an edge covering for a pad, a sock lining insole secured to said upper lining, a strip extending from said insole along the space where said upper is open to form an auxiliary pad cover for the edge portion not covered by the outer material of the upper, a cushioning pad placed against the lower surface of said insole, the free edges of said outer material of the upper end of said strip being turned in and attached to the lower surface of said pad, a heel secured to the heel portion of said pad and turned in edges, and an outsole secured to the toe portion of said pad and turned in edges.

2,409,903
MACHINE FOR SHAPING STOCK
Arthur A. Schwartz, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application February 6, 1941, Serial No. 377,640
4 Claims. (Cl. 90—13.2)



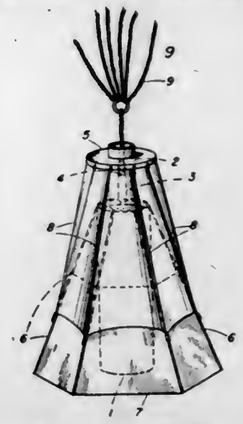
1. A duplicating shaping tool including a templet and stock piece supporting platform, a carriage movable relative to said platform and mounting a shaping control tracer in registry with the contours of templet means to be traced, work shaping means mounted upon said carriage in fixed relation therefrom and adapted to duplicate contours of said templet when traced by said tracer, carriage movement control means comprising a lever mounted upon said carriage adapted to be manually urged in the desired direction of carriage movement for partially providing movement thereof relative to said platform, power supply means operatively coupled with said carriage for assisting movement of said carriage relative to said platform, said power supply means being controlled by movements of said control lever relative to said carriage under forces applied manually thereto to complement said manually applied carriage moving forces, and control means operatively associated with said tracer and said power supply means for interrupting operation of the latter whenever said manually directed forces tend to move said carriage in such manner that said tracer bears normally against templet contoured portions.

2,409,904
ROCKET
Conrad David Schermuly, Alfred James Schermuly, and Charles Schermuly, Parkgate, Newdigate, England, assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, Surrey, England, a British company
Application June 13, 1944, Serial No. 540,093
In Great Britain May 11, 1943
1 Claim. (Cl. 102—50)



A rocket comprising a casing, two bands slidable on said casing, two rods secured to said bands and holding them in spaced relation, a stop formed by a flange at the rear end of said casing to limit rearward sliding movement of said bands, bars secured to and extending rearwardly of said bands, a larger band, of greater diameter than said stop, secured to the rear ends of said bars, and a locking strip secured to one of said bars and adapted to ride over and drop behind said stop.

2,409,905
ILLUMINATING FLARE
Conrad David Schermuly, Alfred James Schermuly, and Charles Schermuly, Parkgate, Newdigate, England, assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, England
Application June 20, 1944, Serial No. 541,174
In Great Britain November 27, 1942
3 Claims. (Cl. 102—35)



1. A parachute-supported flare candle comprising a casing having an extension thereon, a plate movably mounted on said extension, means arranged to be operated by the opening of a parachute to raise said plate on said extension, a set of ribs hinged at one end to the upper end of said casing, a second set of ribs having each rib hinged at one end to the edge of said plate and at the other end to a rib of said first set intermediate the ends thereof and opaque material on each set of ribs to provide a screen for said flare candle when said ribs are raised upon the raising of said plate.

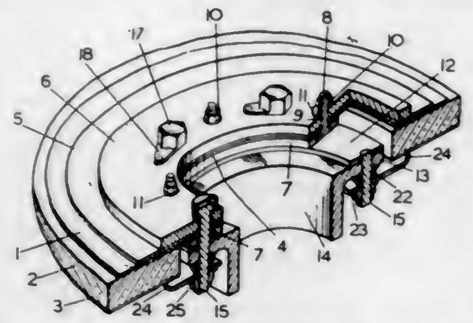
2,409,906
SYNTHETIC RESIN
Milton J. Scott, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 16, 1943, Serial No. 479,360
27 Claims. (Cl. 260—42)

7. A composition of matter comprising the heat reaction product of ingredients comprising an aminotriazine-aldehyde addition product and a primary mono-amino-diphenyl free from aldehyde-reactive substituents, the molecular proportions of the amino-diphenyl being at least equal to the molecular proportions of the aminotriazine but not exceeding the molecular proportions of aldehyde used to form said addition product.

2,409,907
MEANS FOR SECURING FITTINGS TO CONTAINERS
Leonard Shakesby and Charles Andrew Roy Sutherland, Wolverhampton, and Sydney Hartley Smith, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application April 7, 1943, Serial No. 482,218
In Great Britain March 5, 1942
12 Claims. (Cl. 285—25)

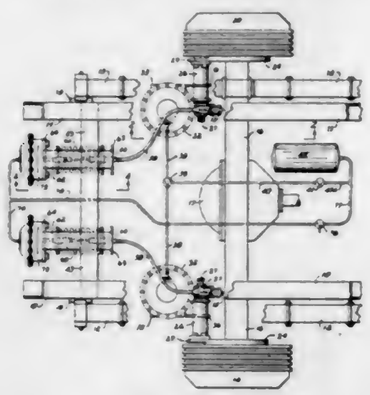
1. Means for securing filler caps and like fittings to a fluid container having a filling aper-

ture, comprising an inner annular member and an outer annular member between which an edge of the apertured container material is held; an apertured filler fitting registering with the container filling aperture and having a flange disposed in alignment with said outer annular member; bolts securing said annular members and



said filler fitting flange together and passing through oversize holes in said inner annular member to permit movement of the bolt shanks for ready engagement into the apertures in the component parts during assembly; and means to engage said bolts and limit rotary and longitudinal bolt movement.

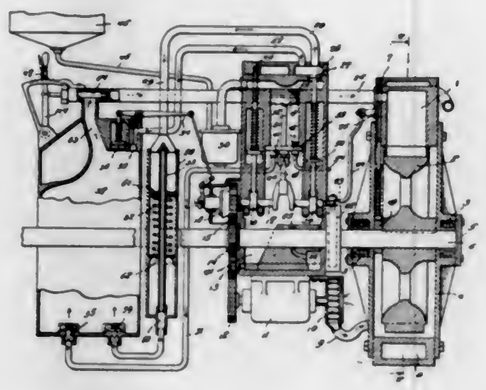
2,409,908
SAFETY MECHANISM FOR BRAKES
Isaac W. Simpkins, Charlotte, N. C.
Application August 6, 1945, Serial No. 609,138
2 Claims. (Cl. 188—152)



1. In a vehicle having a pair of wheels equipped with conventional brakes having a brake lever and a diaphragm housing and piston connected to the lever and having a source of fluid under pressure for admission to the diaphragm housing for moving the lever to apply the brakes, a second lever connected to the first lever and having a cable extending therefrom, a compression spring secured to the cable and normally tending to move the brake lever to apply the brakes, a connection between the spring and the source of compressed fluid for normally holding the spring against actuation of the second lever as long as a predetermined pressure is present in the source of compressed fluid.

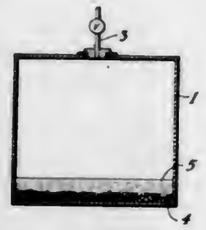
2,409,909
INTERNAL-COMBUSTION TURBINE
Fred J. Smith and Joseph Isaac, Sault Sainte Marie, Mich.
Application May 29, 1945, Serial No. 596,454
4 Claims. (Cl. 60—41)

1. A turbine comprising a housing, a turbine wheel rotatably mounted within said housing, a fluid nozzle positioned adjacent the periphery of said wheel, a firing chamber in said housing communicating with said nozzle, a compression tank, means actuated by said wheel for forcing air and combustible liquid fuel into said compression tank, and conduit means for admitting the



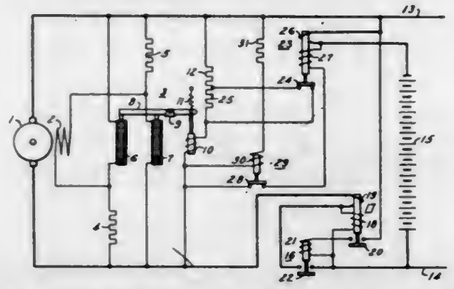
mixture of air and fuel into said firing chamber, said means for forcing air and fuel into said compression tank having a clutch means in association therewith adapted to disengage said wheel from said forcing means responsive to an increase in pressure in said compression tank above a predetermined value.

2,409,910
METHOD OF FILLING CONTAINERS WITH RESINOUS FOAM
Kenneth E. Stober, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application November 29, 1944, Serial No. 565,762
7 Claims. (Cl. 18—48)



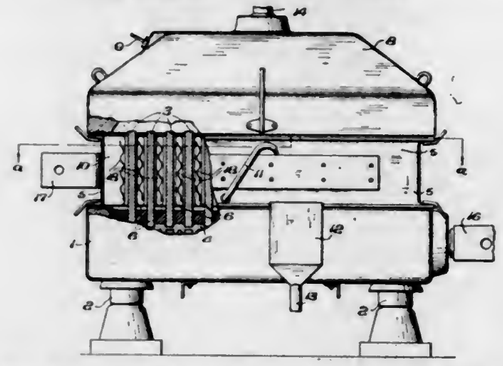
1. In a method of filling a container with a cellular mass of a solid vinyl aromatic resin, the steps of introducing into the container a granular vinyl aromatic resin in amount corresponding to the resin content of the cellular mass with which the container is to be filled, thereafter introducing into the container a normally gaseous agent capable of being dissolved by the resin to swell the latter to a gel, said agent being introduced at superatmospheric pressure and in an amount sufficient to form a gel of the resin which is capable of flowing and from which such agent can be vaporized substantially completely upon release of the pressure with resultant swelling and cooling of the resin to form a cellular mass, maintaining the mixture within the container at superatmospheric pressure until such gel is formed, and thereafter venting vapors from an upper section of the container to cause formation of the cellular mass of the vinyl aromatic resin within the container.

2,409,911
CONTROL SYSTEM
Robert M. Strong, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 23, 1945, Serial No. 584,365
8 Claims. (Cl. 320—22)



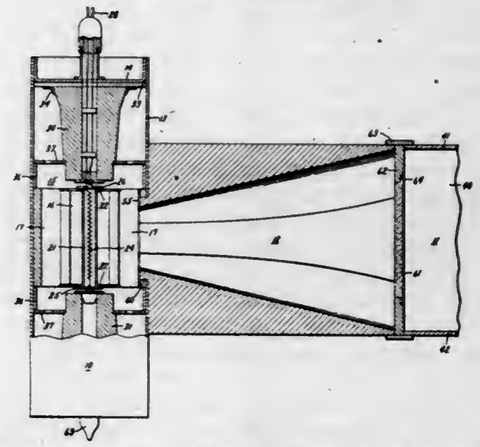
1. A battery-charging system comprising a variable-voltage source of direct current, voltage-regulating means for said source, means for connecting a battery to said source, relay means for controlling said voltage-regulating means to change the voltage applied to the battery, and means independent of the charging current flowing to the battery for effecting operation of said relay means to cause a relatively high voltage to be applied to the battery for charging, said relay means being adapted to effect a reduction in the voltage applied to the battery in response to decrease in the battery-charging current below a predetermined value.

2,409,912
ELECTROLYTIC ALKALI CHLORINE DIAPHRAGM CELL
Kenneth E. Stuart, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
Application May 28, 1942, Serial No. 444,770
4 Claims. (Cl. 204—266)



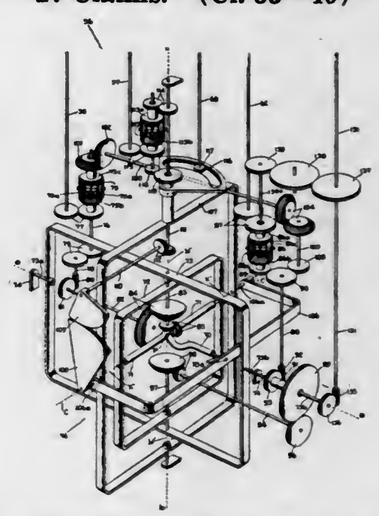
2. An electrolytic alkali-chlorine cell cathode structure comprising a liquid-retaining wall carrying the cell current and a thin, elongated, hollow foraminous cathodic electrode projecting therefrom and cooperating with a pair of electrically interconnected anodic electrodes on each side thereof; said cathodic electrode having a top wall and flat, parallel, spaced side walls, of woven wire screen, in edgewise electrical communication with said retaining wall, the wires of the screen composing said side walls communicating with said retaining wall by pressure contact with intermediate wires welded thereto; in combination with means serving as a supplementary unipolar cathodic electrode acting through the meshes of said side walls, comprising an electrically continuous metal plate, between said side walls, butted against, welded to and projecting from said retaining wall.

2,409,913
WAVE GUIDE STRUCTURE
Lewi Tonks, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 14, 1944, Serial No. 522,241
13 Claims. (Cl. 178—44)



1. A wave guide of the hollow pipe type defined by a block of metal provided with a tapered longitudinal opening, every cross section of said opening taken at longitudinally positioned points thereof comprising a narrowed central portion and being dimensioned so that a uniform wave guide of said cross section would afford the same cut-off frequency to electromagnetic waves.

2,409,914
SYSTEM AND APPARATUS FOR GUNFIRE CONTROL
Frank E. Valentine and Walter F. Skillin, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application March 20, 1935, Serial No. 12,006
17 Claims. (Cl. 33—49)



1. Gun directing apparatus for a gun supported on a mount whose angular position varies comprising a member adjustable about a set of train and elevation axes, means for adjusting said member about said axes in accordance with the calculated adjustments to be applied to said gun in train and elevation respectively reckoned with reference to a set of planes fixed with reference to the earth, means for inclining the positions of said axes with reference to said mount in accordance with the inclination of the trunnions of said gun due to inclination of said mount so as to cause said member to assume a position with reference to mutually normal planes fixed relatively to the mount corresponding to the po-

sition said gun assumes with reference to said set of planes fixed with reference to the earth when said calculated adjustments are applied to it and said mount is inclined, and means for measuring the angular movement of said member with reference to said mutually normal planes.

14. Gun directing apparatus for a real gun mounted on ship board comprising a sighting device, means mounting said sighting device for adjustment on elevation and train axes angularly fixed with reference to said ship, a control member, a driving connection between said control member and said sighting device including a differential device, a mimic gun, means mounting said mimic gun for adjustment on an elevation axis, means for adjusting said mimic gun on said axis to introduce the calculated adjustment to be applied to said real gun in elevation measured with reference to the true horizontal, means continuously inclining said axis with relation to a set of planes fixed with reference to said ship in accordance with the angular movement of the trunnions of the real gun in the vertical plane through them as the angular position of said ship varies, and a driving connection between said mimic gun and said differential device arranged so that the positions assumed by said mimic gun with relation to said fixed planes when adjusted on its axis in elevation to introduce said calculated adjustment and when said axis is inclined in accordance with said angular movement of said trunnions of the real gun are applied to said sighting device through said differential device.

2,409,915
PROCESS FOR PREPARING RUBBERLIKE MATERIALS
Byron M. Vanderbilt, Cranford, and Ralph F. Howe, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application November 30, 1940, Serial No. 368,106
1 Claim. (Cl. 260—84.5)

In an emulsion polymerization process for the polymerization of a mixture of butadiene and acrylonitrile in the ratio of about three parts by weight of butadiene for each part by weight of acrylonitrile, the steps in combination of mixing the mixture of butadiene and acrylonitrile with water in the presence of an emulsifying agent comprising a water soluble soap and a peroxide polymerization catalyst, agitating the material to maintain the mixture in emulsion in the water, setting the temperature of the mixture at approximately 25° C., holding the temperature at approximately 25° C. for a time interval of approximately four hours, then raising the temperature to approximately 30° C. for a further time interval of approximately eight hours, then raising the temperature to approximately 40° C. for a further time interval, maintaining the pH value of the material within the range between 8.1 and 8.8 during the entire polymerization reaction, cooling the material at the end of the polymerization, and separating the polymer from unpolymerized olefinic material.

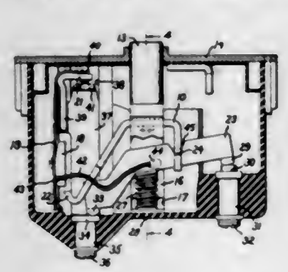
2,409,916
FIREARM CLEANING ROD CENTRALIZER
Charles W. Varcoe, Bethel, Conn.
Application September 14, 1943, Serial No. 502,270
1 Claim. (Cl. 15—104.165)

A cleaning device for firearms including a cleaning rod of sufficiently smaller diameter than the bore of the barrel so as to be spaced from it on all sides when in the bore, a swab on said rod for cleaning the bore of the barrel, a hand grip on the rod for moving the swab through the bore, a guiding and centralizing member for said rod provided with a longitudinal straight passage circular in cross section and substantially the diameter of the rod in which the rod has a sliding guiding fit, and said member including a body portion providing a hand grip and provided with a



cone shaped recess in one end communicating with said passage and adapted to receive the end of the barrel, and said recess being of larger diameter than the barrel at its larger end and smaller than the barrel at its smaller end so that the end of the barrel engages the inclined side walls of the recess intermediate its ends to center the said passage and rod in alignment with the bore to prevent rubbing of the rod on the surface of the bore during the cleaning operation.

2,409,917
CIRCUIT BREAKER
Fred G. von Hoorn, Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application February 26, 1943, Serial No. 477,222
11 Claims. (Cl. 200—116)



2. A circuit breaker comprising an operating member, supporting means for said operating member mounting said operating member for movement in a predetermined direction, a switch member extending across said direction of movement, pivot supporting means on said operating member for pivotally supporting said switch member on said operating member at a point intermediate the ends of said switch member, a stop on said operating member for a first end of said switch member, said stop being spaced from said pivot transversely of said movement, a spring bearing on said switch member at a point between said pivot and said stop for biasing said switch member into engagement with said stop and for biasing said switch member and operating member to an open circuit position, a stationary contact in position to be engaged by the other end of said switch member when said operating member is moved toward a predetermined closed circuit position to compress said spring, said switch member thereafter upon continued movement of said operating member to said closed circuit position pivoting on said contact and said pivot so that said first end is moved away from said stop against the force applied by said spring, and means for engaging and holding said operating member in said closed circuit position against the force of said spring.

9. A circuit breaker comprising a pair of stationary contacts, movably mounted switch contact means, means biasing said switch contact means in disengaged relation with said stationary contacts, said switch contact means being movable into engagement with said stationary contacts to form a circuit between them, current responsive means for holding said switch contact means in a predetermined position in engagement with only one of said stationary contacts, and electric connections including said current responsive means in an electric circuit through said switch contact means.

2,409,918
TWISTER TRAVELER
Philip C. Wentworth, Providence, R. I., assignor to National Ring Traveler Company, Pawtucket, R. I., a corporation of Rhode Island
Application December 13, 1945, Serial No. 634,732
11 Claims. (Cl. 57—120)

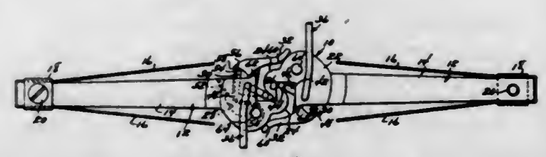


1. A double-oval twister traveler capable of operating in either direction on a vertical ring, said traveler being formed from a strip of material the ring-contacting face of which is comprised by two spaced parallel oval shaped sections extending longitudinally of the traveler.

2,409,919
LOW DENSITY GRANULAR OR POWDER EXPLOSIVES AND THEIR MANUFACTURE
John Whetstone, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 19, 1942, Serial No. 458,993. In Great Britain September 15, 1941
9 Claims. (Cl. 52—21)

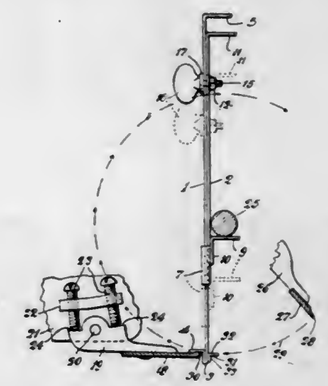
1. A process for the manufacture of low density blasting explosives which comprises emulsifying a molten easily fusible organic explosive with the assistance of an emulsifying agent in an aqueous medium that comprises a saturated solution of ammonium nitrate carrying solid ammonium nitrate in suspension and is free from readily hydratable salts, this medium being adapted to yield a pourable emulsion at the emulsification temperature, congealing and granulating the resulting aqueous emulsion and drying the resulting granules at a temperature insufficient to cause them to soften.

2,409,920
AUTOMATIC SCALE MODEL COUPLER
August R. Wicher, Chicago, Ill.
Application January 7, 1944, Serial No. 517,463
3 Claims. (Cl. 213—105)



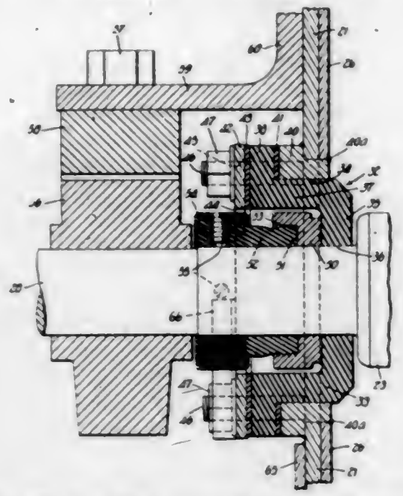
1. A coupler of the type described, comprising two pivotally mounted coupler heads, each terminating in a coupling hook engageable with the other coupling hook, camming faces on the respective heads, tensioning members pivotally connected with each head and engaging the camming face on the other head to hold said coupling hooks in connecting engagement, and means including portions constituting pivots for the respective tensioning members pivotally connected with each head and having a part lying between the two jaws to pry the same apart when either or both are pivoted in a predetermined direction.

2,409,921
GAUGING MEANS FOR LAWN MOWERS
Frank D. Wulff, Chicago, Ill.
Application November 23, 1944, Serial No. 564,836
3 Claims. (Cl. 33—181)



1. A gauging means for a lawn mower which has a frame carrying a relatively adjustable stationary blade and a rotary blade rotatable on a shaft carried by said frame; said gauging means comprising two relatively flat and elongated members assembled in face-to-face relation for longitudinal sliding movement with respect to each other, one of said members having a laterally-extending toe adjacent the lower end thereof with a flat lower surface adapted to be placed on the upper surface of the stationary blade of the mower and having a laterally-extending finger piece at the upper end thereof; the other of said members being of lesser length than said first mentioned member and having a laterally extending toe adjacent the lower end thereof disposed at that side of the assembled members opposite that from which the toe on the first-mentioned member extends, said toe of the second-mentioned member having a flat upper surface adapted to be placed beneath the shaft of the rotary blade of the mower, and said second-mentioned member having a laterally-extending finger piece at the upper end thereof and disposed at the same side of said member as the laterally extending toe thereof; one of said members having relatively short laterally-extending, reversely curved guide flanges along the side edges thereof engaging the side edges of the other member to maintain the members in assembled relation and to permit longitudinal sliding movement of said members with respect to each other; and clamping means connected to said members for holding them in adjusted relation, said clamping means comprising a threaded part fixed to one of said members, a clamping element threaded into said part and extending through an elongated slot provided in the other of said members and also having a clamping head for clamping engagement with said last-mentioned member.

2,409,922
SHAFT BEARING SEAL
Erich R. Zademach, Elizabeth, and William W. Clarke, Summit, N. J., assignors to Metalwash Machinery Company, Newark, N. J., a copartnership
Application August 18, 1942, Serial No. 455,179
7 Claims. (Cl. 286—11)



1. A shaft sealing construction comprising a wall provided with a corrosion-resistant inner surface and having a shaft opening, a mounting ring of corrosion-resisting material sealed in the opening and extending throughout the bore of said opening and continuously joined to both the inner and outer surfaces of the wall, a rubber wall member extending across the opening and provided with a bore rotatably fitting the shaft, means for mounting the wall member on the wall to form a fluid-tight continuous connection with the mounting ring, and sealing means mounted on the shaft including a sealing member having an annular sealing face bearing slidably against the wall member to form a sealing joint and a fluid-tight connection between the sealing member and the shaft.

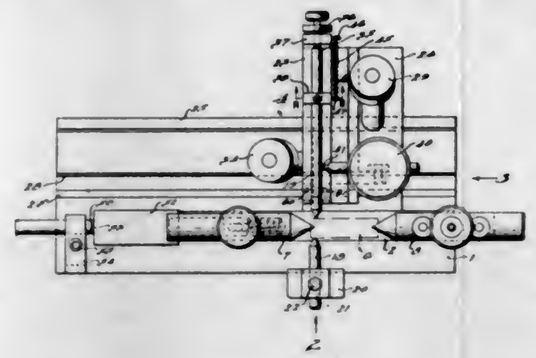
2,409,923
PROCESS OF FORMING IODINE IMAGES
Arthur Barnes, Waltham, and Helen P. Husek, Allston, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application January 12, 1944, Serial No. 517,982
54 Claims. (Cl. 95—88)



1. The method of producing an iodine image, which comprises forming the image in silver in a permeable, relatively water-insoluble carrier, transforming said silver image to an image formed of a relatively water-insoluble oxidizing agent, and reacting said last-named image with an iodide in the presence of a solvent for said water-insoluble oxidizing agent which dissolves the latter and causes it to release iodine from the iodide whereby the iodine which is released replaces the oxidizing agent to form an image in iodine.

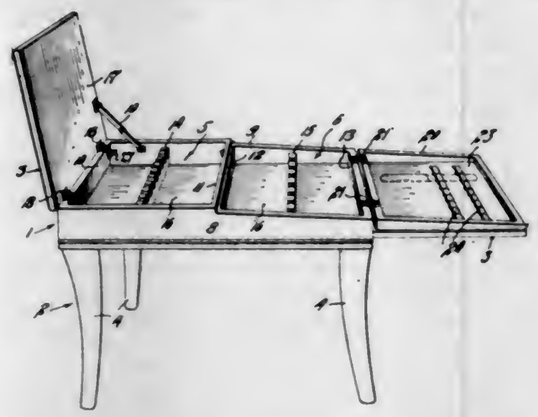
2,409,924
THREAD CHECKER
Russell E. Bauer, Detroit, Mich.
Application November 10, 1944, Serial No. 562,752
3 Claims. (Cl. 33—199)

3. A device for measuring and checking threaded workpieces comprising a base, a workpiece supporting member, center mounting members on said supporting member and adapted to mount a centered workpiece therebetween, means mounting said supporting member on said base for movement along and tilting movement transversely to the longitudinal axis of said workpiece, said last-named means including facing race-



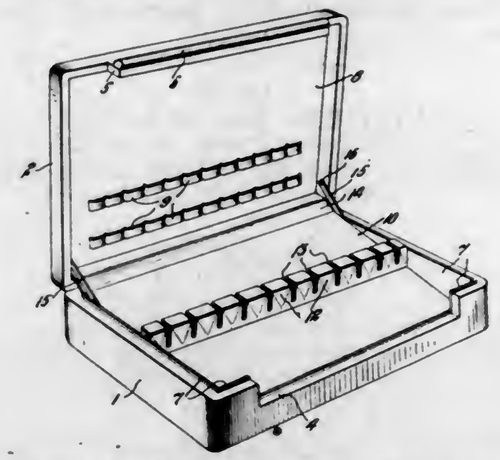
ways formed on said supporting member and said base with ball members interposed therebetween, a pair of oppositely disposed thread contact members mounted on said base and positioned to engage the thread of the workpiece, means movably mounting one of said contact members, and indicator means mounted on said base and actuated by movement of said one of said contact members.

2,409,925
DISPLAY TABLE
Richard A. Bloom, Kenwood Station, N. Y., assignor to Oneida, Ltd., Oneida, N. Y., a corporation of New York
Application August 17, 1944, Serial No. 549,918
2 Claims. (Cl. 312—163)



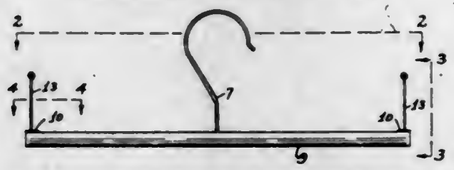
1. An article of furniture for holding flatware and the like, comprising, in combination, a lower supporting means and an upper container part supported thereby at table height, the said upper part comprising adjacent compartments for display and storage of articles, hinged lids for said compartments providing when in closed position a flat horizontal upper table top surface for the article of furniture, and one of said compartments having walls divided along an outwardly and downwardly slanting plane of division with the upper portions of the walls attached to the lid so as to form upper and lower sub-compartments, hinged means joining the upper and lower portions of the outer wall of the last said compartment, whereby the last mentioned compartment when its lid is open forms together with the lid display compartments having outwardly and downwardly slanting walls.

2,409,926
DISPLAY CHEST
Richard A. Bloom, Kenwood Station, N. Y., assignor to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application August 17, 1944, Serial No. 549,919
2 Claims. (Cl. 206—75)



1. A chest for flatware and the like comprising in combination, a body, a lid hingedly secured thereto and having article holding means on its inner surface, an article holding panel in said body and forming a floor therefor, fabric covering for said article holding means and for said panel and extending therebetween to connect the same, and means connecting said panel to said lid for raising the panel edge adjacent the lid hinge into position substantially level with said hinge and moving said panel into tilted position when said lid is open.

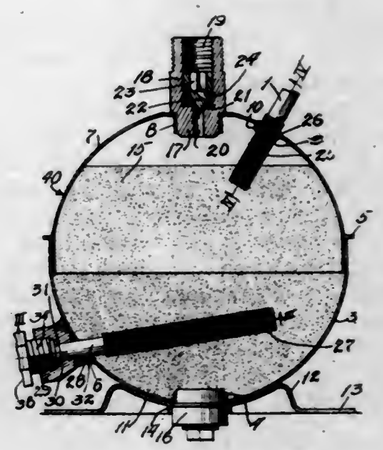
2,409,927
GARMENT HANGER
Otis C. Byrket, Richmond, Ind.
Application October 30, 1945, Serial No. 625,474
2 Claims. (Cl. 223—96)



1. In a garment hanger in combination with a central supporting bar, a pair of rods lying on each side of and parallel with the supporting bar, a pair of guide members extending vertically on each end of the bar, a pair of leaf springs having openings therein through which the guide members extend, the ends of the leaf springs extending into slots in the ends of the rods for rigid attachment to the rods, the leaf springs being curved downwardly at their ends and having their central portions resting upon the upper face of the supporting bar, the length of the leaf springs being sufficient to hold the rods out of normal contact with the bars.
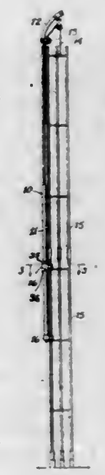
2,409,928
COMBINATION RECEIVER AND DEHYDRATOR
Martin T. Cahenzli, Jr., Chicago, Ill., assignor to The Harry Alter Company, Chicago, Ill., a corporation of Illinois
Application November 18, 1943, Serial No. 510,731
7 Claims. (Cl. 62—115)

2. In a vapor compression type of refrigerating system a combination refrigerant receiver and dehydrator unit connectable in the refrigerant line of the system, said unit comprising a housing, an air purge means on said housing, means for filling the housing, a refrigerant dehydrating compound in said housing filling the major portion thereof, tube members projecting into the



housing to permit a flow of refrigerant through the housing and through the compound therein to dehydrate the refrigerant, and screens on said tube members within the housing of a mesh permitting the refrigerant to pass therethrough but preventing entrance of the compound into the refrigerant line of the system.

2,409,929
APPLIANCE
Harold Cohen, Elizabeth, N. J.
Application January 23, 1945, Serial No. 574,092
3 Claims. (Cl. 248—230)

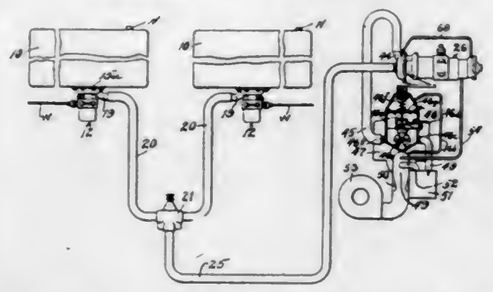


1. An appliance for detachably supporting a standard for turning movement on parts of a fixed structure, said appliance comprising a bearing sleeve adapted to loosely surround the standard, a fixed jaw on the sleeve, a hinged jaw on said fixed jaw cooperating with the latter to engage one of said parts of the fixed structure, means to secure the hinged jaw to the sleeve in functioning position, and means on the fixed jaw to engage other parts of said fixed structure to prevent the appliance from turning with respect to said structure.

2,409,930
TREATMENT OF PRIMARY OLEORESIN ACIDS
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 16, 1943, Serial No. 476,091
9 Claims. (Cl. 260—101)

1. A method for the preparation of acidic compositions which comprises subjecting a material consisting substantially entirely of primary oleoresin acids containing levopimaric acid, in solution in a volatile solvent selected from the group consisting of paraffin hydrocarbons and cycloparaffin hydrocarbons, to reaction with maleic anhydride at a temperature between about 0° C. and 80° C., to cause the formation of a precipitated crystalline maleic anhydride-resin acid adduct, separating the crystalline precipitate from the solution, extracting the solution with dilute aqueous alkali to remove any residual maleic anhydride and compounds thereof, and recovering a resinous material from the residual solution.

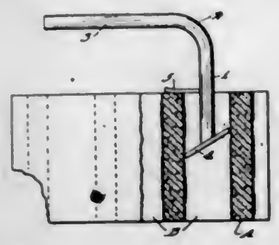
2,409,931
FUEL SYSTEM
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application June 4, 1943, Serial No. 489,651
14 Claims. (Cl. 158—36.3)



1. In a fuel system adapted for high altitude aircraft performance, an emergency electric motor-booster pump unit having a pump inlet and an outlet in constant communication with the inlet, a main fuel pump having an inlet communicating with the outlet of the emergency booster pump and having a by-pass therearound, an air supercharger, a carburetor receiving fuel from the main pump, an engine intake manifold receiving air and fuel from the supercharger and carburetor, said electric motor of the emergency booster pump unit having a shunt field, a centrifugal governor driven by said shunt field motor having contact points in the emergency electric motor circuit that are mounted for swinging radially outward under the influence of centrifugal force, a diaphragm exposed on one side to discharge pressure of said emergency booster pump and exposed on the other side to pressure in the intake engine manifold at the point where the fuel and air are mixed, means controlled by said diaphragm for regulating the radial position of one of said contact points, and a resistance circuit adapted to be placed in series with the shunt field of the electric motor driving the emergency booster pump whenever said contact points are separated whereby the field is weakened and the motor speed is increased.

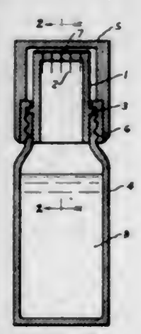
3. A pump and motor unit comprising an electric motor, a pump impeller driven by said electric motor, means defining a pumping chamber surrounding said impeller and having a central inlet and a peripheral outlet, a centrifugal governor driven by said electric motor including swingable contacts adapted to yield under centrifugal influence to control the speed of the motor, and means for automatically adjusting the contacts of said governor in accordance with the pump discharge pressure to control the speed of the motor for maintaining a constant pump discharge pressure.

2,409,932
BUILDING BLOCK LIFTER
Frank A. Dostal, New Ulm, Minn.
Application June 20, 1945, Serial No. 600,483
4 Claims. (Cl. 294—15)



1. In a lifting device for building blocks and the like, having vertical openings therein, a shank bent substantially at right angles to provide a handle portion, and an enlarged gripping plate fixed to the lower end of said shank and extending backwardly under said handle at an obtuse angle to said shank.

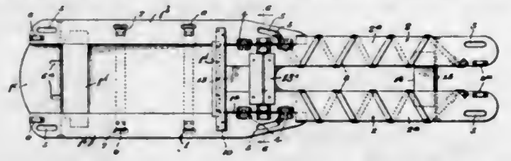
2,409,933
DISPENSING CONTAINER
Harry Fleisher and Jacob Homer, Staten Island, N. Y.
Application January 10, 1945, Serial No. 572,170
3 Claims. (Cl. 15—139)



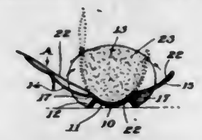
1. A dispensing device for applying a fluid to work comprising a supply vessel and a closure for the latter; said closure comprising a longitudinally rounded shank portion, a transition portion and a laterally rounded ridge portion; said ridge portion being segmented into a plurality of tines normally closed together and adapted to be spread apart by flexing said tines in a direction substantially parallel to said ridge portion and thereby providing communication between said supply vessel and said work for enabling contents within the supply vessel to be discharged between said tines to said work.

2,409,934
FOLDING STRETCHER
Claude C. Haggard and John B. Meehan, Medford, Oreg.
Application October 18, 1943, Serial No. 506,730
2 Claims. (Cl. 5—82)

1. A stretcher comprising a body section provided at its inner end with a recess, a leg section having its inner end reduced and extending into the recess of the body section, a pivot rod carried by said reduced portion intermediate its ends and mounted in bearings carried by the body section, the inner end of the main portion of the leg sections adapted to engage the inner end of the body section, and a latch connection between the inner reduced end of the leg section and the body section.

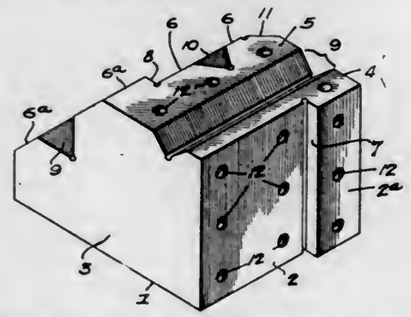


2,409,935
CIGARETTE MAKER
Arnie J. Hongo, McNeal, Ariz.
Application January 4, 1944, Serial No. 516,954
2 Claims. (Cl. 131—58)



1. A device of the kind described, comprising a trough-like base having legs extending the full length of the trough, end heads on the base, swingable compressing sections pivoted to the heads to be close to the trough formation of the base, and a swingable section carried by one of the first named sections.

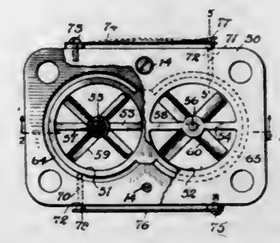
2,409,936
TOOLMAKER'S ANGLE BLOCK
Thomas E. V. Hunt, Norristown, Pa.
Application September 12, 1944, Serial No. 553,790
9 Claims. (Cl. 90—59)



1. An angle block provided with a true flat horizontal base surface, a true flat vertical front surface at 90° to said base surface, a top surface opposite said base surface, a true flat rear surface disposed at an angle of less than 90° with respect to said base surface and extending from said top surface substantially to said base surface, a right angle shoulder on and projecting vertically from said angular rear surface adjacent one side edge thereof, and a complementary rear angular surface parallel to the first said rear surface and extending laterally from said shoulder to said side edge.

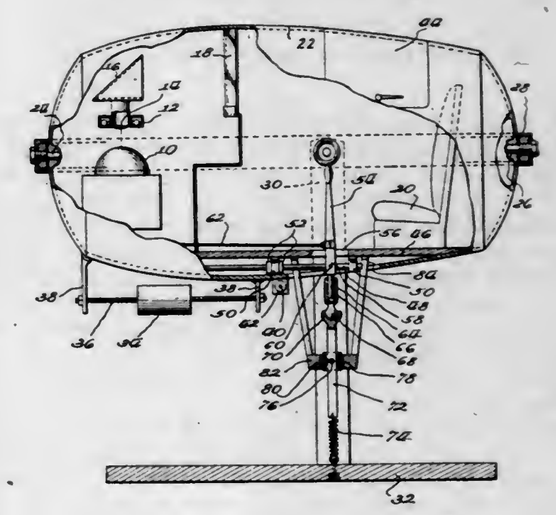
2,409,937
CARBURETOR ATTACHMENT
Job Hutchinson, Great Neck, N. Y.
Application December 12, 1944, Serial No. 567,870
2 Claims. (Cl. 48—180)

1. A carburetor attachment for insertion between the carburetor and the intake manifold of an internal combustion engine, said attachment having a passage through which the explosive mixture from the carburetor passes to the manifold, an air distribution chamber surrounding said passage and communicating therewith, a pair of oppositely situated passages which provide communication between said distribution chamber and the atmosphere, a pair of thermostatically controlled valves on said pair of passages which open at a predetermined temperature to permit



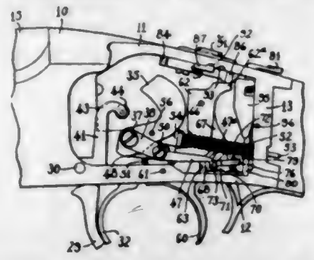
an auxiliary supply of air to be drawn into said first passage through said pair of passages and said distribution chamber, and a freely rotating fan in said first passage which mixes the auxiliary supply of air with the explosive mixture, each of said thermostatically controlled valves comprising a bi-metallic strip having thermostatic properties, affixed at one end to said attachment and having a plug affixed to its free end registering with the particular passage which the valve controls.

2,409,938
PILOT TRAINER
William H. Hutter, Chicago, Ill.
Application July 24, 1942, Serial No. 452,139
3 Claims. (Cl. 35—12)



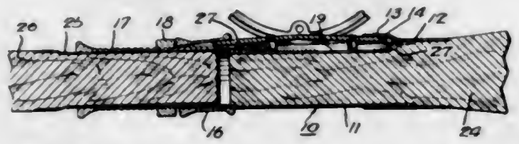
1. An apparatus for creating the illusion of flying which comprises means to present a view to an operator and for moving the view under the influence of movement of airplane controls in the same manner that a view moves when seen from a conventional airplane, and means for preventing the operator from gaining the impression that the controls are reversed, the last said means comprising a pilot seat movable about at least one axis, and means to cause movement of said pilot seat about said axis under the influence of the operation of the controls when said controls are operated to cause movement of said view about the same axis.

2,409,939
MULTIPLE BARREL GUN
Robert L. Jenkinson, Teaneck, N. J., assignor to The Marlin Firearms Company, New Haven, Conn., a corporation of Connecticut
Application August 2, 1944, Serial No. 547,768
6 Claims. (Cl. 42—42)



1. In a multiple barrel firearm, a pair of hammers, a sear controlling each hammer, a single trigger for operating the sears, connecting means between said trigger and sears including a sear actuator suspended from the upper portion of the trigger and a selector movably associated with the lower end of said actuator, said selector standing forwardly of said actuator and being movable into position to engage either of said sears selectively, and one sear being engageable by the actuator when the selector is in position to engage the other sear.

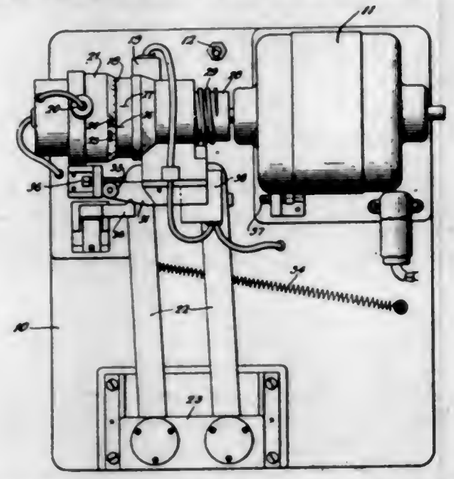
2,409,940
ROD TO REEL CONNECTION
Paul Kay, Philadelphia, Pa., assignor to Ocean City Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 28, 1945, Serial No. 585,235
12 Claims. (Cl. 43—22)



11. A reel seat to reel connection for fishing rods comprising a reel seat including a sleeve to fit the rod butt having a fixed socket adjacent one end thereof adapted to receive one end of the attaching tang of a fishing reel and adjacent its other end an adjustable ring forming a socket to receive the other end of said tang, said sleeve between said sockets having its smooth surface interrupted by a single longitudinal groove of considerable depth, said groove being disposed medially of the fixed socket and extending from a point adjacent the mouth of the fixed socket for a substantial distance toward the last named end of the sleeve, and a reel tang for engagement with said seat comprising an elongate strip of greater width than said groove adapted at its ends for engagement in said sockets and having a medial key to engage in said groove.

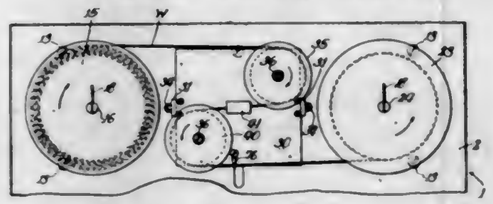
2,409,941
INTERVAL CONTROL MECHANISM
Earle L. Kent, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application January 5, 1944, Serial No. 517,025
7 Claims. (Cl. 200—33)

1. Interval control mechanism comprising a rotatable contact drum having adjacent conducting and insulating portions joined along helical lines, a carriage movable axially of the drum, means to move the carriage at a substantially constant rate, a pair of spaced brushes on the carriage engageable with the drum, and means mounting one of the brushes on the carriage for adjustment about the drum axis along



helical lines having the same axial pitch as the first named helical lines to vary the helical distance around the drum surface between the brushes.

2,409,942
WINDING DEVICE
William G. Knapp, Evanston, Ill., assignor to Charles P. Peirce, Evanston, Ill.
Application December 8, 1943, Serial No. 513,341
7 Claims. (Cl. 179—100.2)



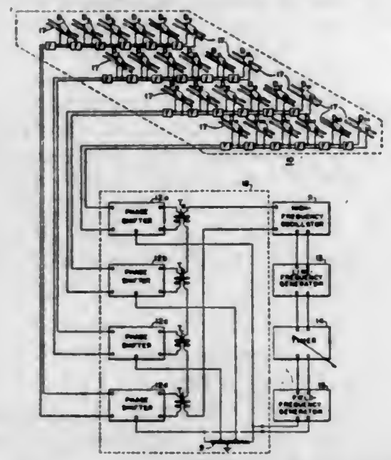
1. In a device of the class described, the combination of a pair of spools spaced apart and mounted for rotation about parallel axes, a magnet box between said pair of spools and fixed against movement in a plane transverse of the axes of said spools, oscillating guide means for guiding wire from one spool to the other and through said magnet box, said guide means including means operative to maintain said wire in a fixed definite path for passage through said magnet box regardless of the amount of wire on either of said spools, and means for oscillating said guide means.

2,409,943
VENETIAN BLIND
Doin Kwon, Honolulu, Territory of Hawaii
Application June 28, 1944, Serial No. 542,527
2 Claims. (Cl. 160—167)



1. In a Venetian blind having a base bar, front and rear top bars, front and rear tapes extending between the top bars and the base bar, narrow web strips secured to the front and rear tapes in vertical spaced relation to each other, slats disposed one above another and resting on said strips and a head bar, front and rear lines extending along the head bar with inner portions extending downwardly and secured to the front and rear top bars and outer portions extending downwardly at an end of the head bar, and a member to prevent tangling of the front lines with the rear lines having a shank suspended from the head bar and a cross head at the lower end of the shank formed with eyes through which the front and rear lines pass.

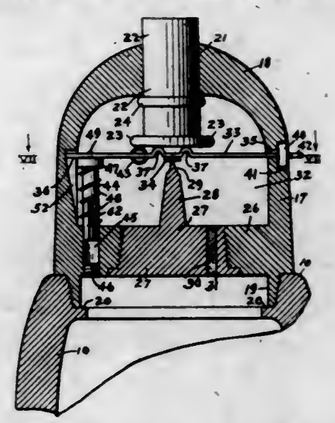
2,409,944
SYSTEM FOR SPACE-SCANNING WITH A RADIATED BEAM OF WAVE SIGNALS
Arthur V. Loughren, Great Neck, N. Y., assignor by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Original application May 26, 1941, Serial No. 395,172. Divided and this application November 12, 1941, Serial No. 418,712
10 Claims. (Cl. 250—11)



1. A system for scanning a predetermined space with a radiated beam comprising, a radiating system including a plurality of signal radiators geometrically spaced in one dimension, means including a plurality of electrical delay networks for electrically spacing said signal radiators in said one dimension, a source of high-frequency wave signals, means for individually applying wave signals from said source to said signal radiators for directive radiation effectively in the form of a sharply-concentrated beam, and means for varying the frequency of said wave signals effectively to vary the relative phase of said signals as applied to said signal radiators, thereby to vary the direction of transmission of said radiated beam.

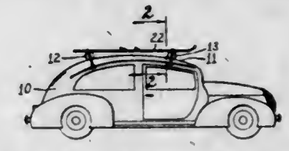
2,409,945
AMMUNITION
William J. Lowes, Chicago, Ill., assignor to Harris Trust and Savings Bank, Chicago, Ill., a corporation of Illinois, as trustee
Application June 25, 1943, Serial No. 492,257
6 Claims. (Cl. 102—64)

1. In a shell of the type described, a grenade body containing explosive material, a nose frame secured to said body, a fuse connection between the interior of said body and said nose frame, an impact member mounted in the end of said frame to project therefrom for axial inward movement upon impact, said impact element containing an explosive and having a firing cap therefor, a firing pin in said frame in the path of said element, a safety bar extending into said frame from the exterior thereof to be normally disposed between said firing cap and pin to prevent engagement thereof, a spring tending to swing said bar laterally out of its normal position, a safety latch normally engaged by the inner end of said safety bar to hold said bar in normal position against



the force of said spring, means whereby said bar upon outward manual movement thereof will be released from said safety latch for swing by said spring out of its normal position, whereby, when said shell is thrown and said impact member is impacted, said firing cap may come into engagement with said firing pin for explosion of said impact member and ignition of said fuse connection and the explosive material in said grenade body.

2,409,946
LUGGAGE CARRIER
Douglas W. MacLeod, Ansonia, Conn.
Application November 7, 1945, Serial No. 627,223
4 Claims. (Cl. 224—29)

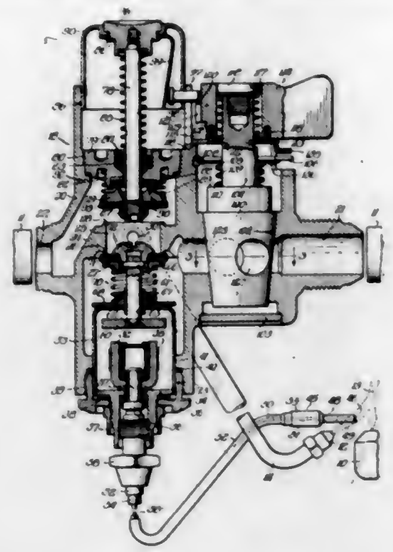


1. In a carrier for skis or like articles, a pair of inflatable elongated tubular members, means for detachably securing said members to the top of a car in spaced relation with the lower surfaces of said members resting on the upper surface of the top, and article-securing means on the upper surfaces of said tubular members, said means comprising a plurality of upstanding elements secured to the upper surfaces of said members in spaced relation.

2,409,947
COMBINED THERMOELECTRIC SAFETY SHUTOFF DEVICE AND COCK
Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 29, 1942, Serial No. 463,793
20 Claims. (Cl. 137—144)

5. In combination, valve means for controlling a supply of fuel, a movable armature operable to control said valve means, an electromagnet for said armature, means for resetting said armature with respect to said electromagnet, flow interrupter means operable to shut off the supply of fuel during the resetting operation, a controlling

member having a plurality of different positions, means for preventing resetting said armature except when said controlling member is in a predetermined one of its position, and cooperating means on the resetting means and controlling member and operable to hold said flow interrupter means in shut-off position following resetting of the armature and until said controlling member is moved out of said predetermined position.



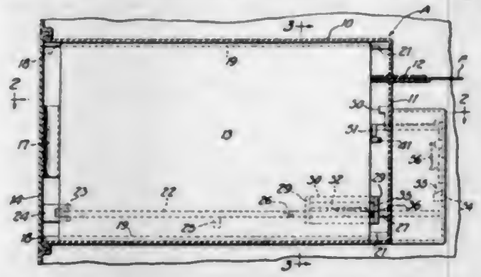
12. In combination, a valve cock mounted for turning movement, a reset member mounted for rectilinear movement, a spring-pressed latch pin carried by said reset member, a handle for said valve cock, and a flange on said handle and cooperable with said latch pin to prevent resetting movement of said reset means, said flange having a slot through which said latch pin is adapted to pass for resetting movement of said reset means when said valve cock is in a predetermined position.

2,409,948
POLYMERIC MATERIALS
Elmore Louis Martin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 1, 1945, Serial No. 580,491
6 Claims. (Cl. 260—86)

1. A composition of matter comprising the copolymerization product of a mixture of a perhaloethylene containing at least two fluorine atoms, vinyl fluoride, and a hydrogen-containing halogenated ethylene other than vinyl fluoride, said mixture containing each of said perhaloethylene, vinyl fluoride and hydrogen-containing halogenated ethylene other than vinyl fluoride in an amount of at least 5% by weight, the halogen contained in said perhaloethylene and in said hydrogen-containing halogenated ethylene being selected from the group consisting of chlorine, bromine, and fluorine.

2,409,949
CAMERA FILM BOX
John W. McCutcheon, Bronx 53, N. Y.
Application October 3, 1945, Serial No. 620,059
7 Claims. (Cl. 164—47)

1. A strip depository comprising a casing open at its front having a strip inlet in its rear wall, a hinged door at the open front of said casing, a strip receiving box slidable into and out of said casing, said box having a strip inlet in registration with the strip inlet in said casing, knife means within said box for cutting a strip of material at the strip inlet thereof, catch means act-

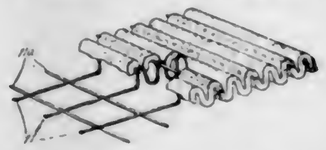


ing to hold the knife means in a set position for operation, and means operable upon the initial opening movement of the door for releasing the catch means to enable functioning of the knife means.

2,409,950
NONAQUEOUS GEL
Hughan C. Meyer, Jr., Philadelphia, Pa., assignor to Foote Mineral Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application August 1, 1944, Serial No. 547,632
16 Claims. (Cl. 252—40)

16. A non-aqueous gel comprising oleaginous material, a soap of a long chain carboxylic acid in an amount to substantially thicken said oleaginous material and to convert it into a gel, and an alkaline earth metal salt of a saturated cyclic hydrocarbon carboxylic acid in an amount from .001% to about 5.0% reducing the tendency of the gel to bleed.

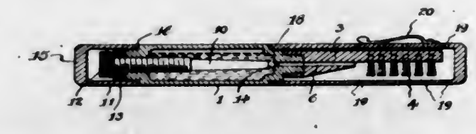
2,409,951
INSULATING BAT
Julian H. Nootens, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application May 7, 1942, Serial No. 442,095
1 Claim. (Cl. 154—44)



An insulating member formed with corrugated convolutions to permit extensibility thereof throughout the limits imposed by the longitudinal stretched-out length thereof on one hand and the telescoped longitudinal dimension thereof on the other, and having foraminous reinforcing means incorporated therein, the transverse members of said reinforcing means being longer than the width of the insulating member and being of springable material to permit their being bent and sprung into engagement to support said insulating member between two boundary members.

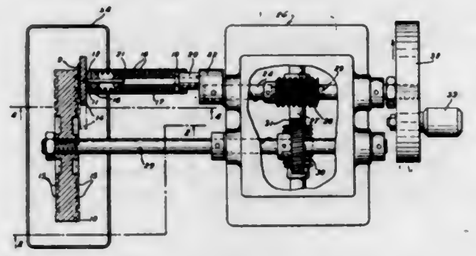
2,409,952
FOUNTAIN BRUSH
Clarence A. Notman, Detroit, Mich., assignor of one-half to Charles Bowles, Detroit, Mich.
Application December 17, 1942, Serial No. 469,314
2 Claims. (Cl. 15—138)

1. A fountain brush for liquid substance comprising, a brush head, a hollow handle therefor constituting a reservoir, an elongated capillary passageway leading from one end of the reservoir to a point adjacent the brush head, a displacement member mounted in the wall at the opposite end of the reservoir for movement lengthwise in the wall so that it may be advanced into and retracted from the reservoir to ensmall and enlarge the reservoir respectively, the end of the displacement member having a valve formation thereon for seating and closing the reservoir end of the passageway, whereby upon retraction of the displacement member, the pas-



sageway is opened and the reservoir is enlarged so that atmospheric air enters the same through the passageway, the brush adapted to be positioned so that the substance gravitates to the end of the reservoir having the passageway, the capillary passageway offering such restriction that the liquid substance will not normally flow therethrough, whereby upon advancement of the displacement member into the reservoir, some of the substance is ejected through the passageway by the pressure caused by the ensmalling of the reservoir.

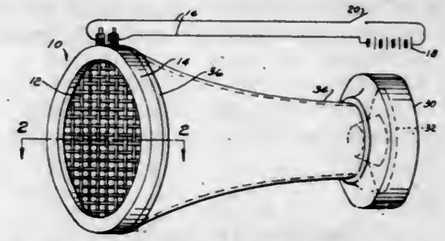
2,409,953
MATERIAL TREATING APPARATUS
Robert Pash, Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 13, 1943, Serial No. 506,052
3 Claims. (Cl. 51—133)



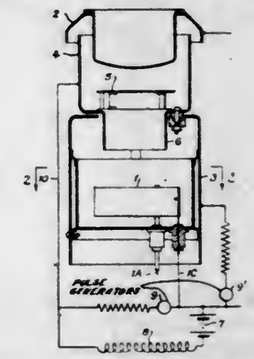
3. In an apparatus for precision lapping and having a lapping disk and means to press an article to be lapped against the disk, a low speed shaft to both support and drive the disk in rotation, a high speed shaft side by side with and parallel to the low speed shaft to support and drive the article pressing means in rotary motion eccentric to the rotation of the disk, an intermediate shaft transverse to and spaced from both said shafts, a worm on the high speed shaft, a gear on the intermediate shaft engaged by the worm, a second worm on the intermediate shaft, a second gear on the low speed shaft engaged by the worm on the intermediate shaft, and means to drive the high speed shaft.

2,409,954
HEATING ATTACHMENT FOR HORNS
Otto H. Pearson, Salt Lake City, Utah
Application February 10, 1945, Serial No. 577,221
6 Claims. (Cl. 219—19)

4. The combination with a horn having a vibrator in its throat and a sound amplifying mouth portion; of an electrical resistance screen grid mounted across said mouth portion for warming the air and melting the snow entering said mouth portion; insulating means for supporting said screen grid on said horn; and means for conducting current to said screen grid.

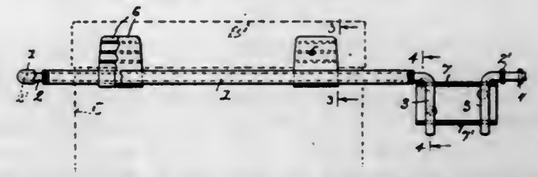


2,409,955
GAS-FILLED ELECTRIC RECTIFIER
Henry Thomas Ramsay, Hatch End, England, assignor to The General Electric Company Limited, London, England
Application March 13, 1943, Serial No. 479,121
In Great Britain March 13, 1942
6 Claims. (Cl. 315—340)



1. An electrical circuit arrangement comprising a thermionic gas-filled rectifier having a thermionic cathode, an anode, a shield consisting of one or more parts interposed between said cathode and said anode so as to provide a labyrinth capable of rendering the starting of a discharge between said cathode and said anode substantially independent of the potential difference between said cathode and said anode and an auxiliary starting electrode separate from said cathode and said anode, means for periodically rendering said auxiliary electrode positive with respect to said cathode so as to produce between said cathode and said auxiliary electrode an ionforming discharge capable of enabling the main discharge between said cathode and said anode to start, and means for producing by a preliminary discharge ionization in the neighbourhood of said cathode during the period immediately preceding such application to said auxiliary electrode of the voltage that starts the main discharge.

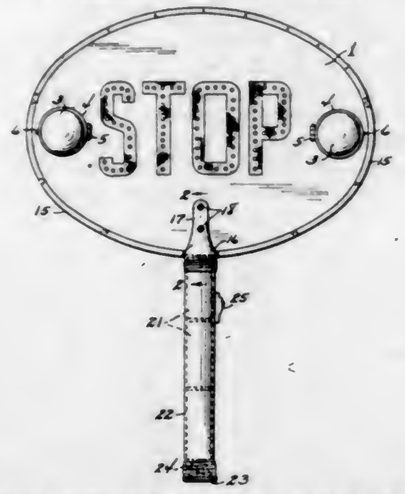
2,409,956
GARMENT HANGER
Erich F. Ramstack and Christ R. Clafendetcher, Milwaukee, Wis.
Application February 9, 1945, Serial No. 577,114
1 Claim. (Cl. 223—96)



A garment hanger comprising a one-piece rigid loop having front and rear stretches, a gravity controlled rigid gripping jaw pivoted to the rear

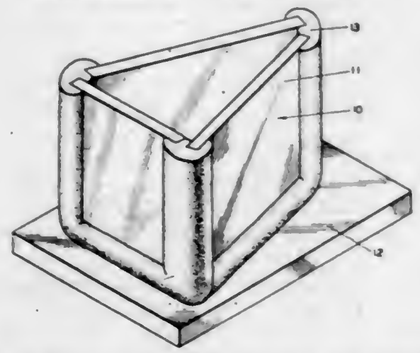
loop stretch, the same being slightly spaced from the front stretch of said loop, and complementary pairs of resilient toothed plates secured to the front stretch of said loop and pivoted jaw member, the said plates being extended a predetermined distance above the associated pivoted jaw and front stretch of the loop, forming a gravity controlled squeezing grip upon a garment.

2,409,957
SIGNAL FLASH
Howard Reynolds, Springfield, Ohio
Application September 15, 1944, Serial No. 554,265
2 Claims. (Cl. 177—329)



1. A signal comprising a sign board, electrically energized signaling means carried by said sign board near opposite ends thereof, warning indicia an said sign board between the electrically energized signaling means including light reflecting members, a handle for said sign board consisting of a battery casing, and wiring for the electrically energized signaling means for transmitting current thereto from a battery in said casing.

2,409,958
METHOD OF MOLDING PRISMS
Howard G. Rogers, Wellesley Hills, Mass., and Dexter P. Cooper, Jr., Washington, D. C., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application April 16, 1943, Serial No. 483,308
13 Claims. (Cl. 18—58)



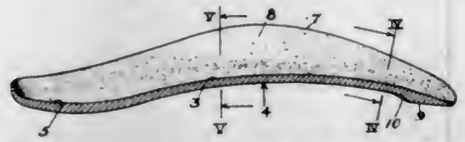
1. The method of fabricating an optical element which comprises rigidly securing together a plurality of mold parts to form a mold having the contour of said element, said parts being spaced from one another so as to permit movement thereof toward one another upon removal of the securing means, introducing a flowable polymerizable mass into said mold, which mass, in its hardened, partially polymerized condition, adheres to said mold and which is adapted, upon substantially complete polymerization, to form a transparent, inherently rigid mass, advancing the polymerization of said flowable mass to produce a hard partially polymerized material to which the mold parts adhere, releasing the mold parts from one another without affecting the engagement between said parts and the surfaces of the hardened product defined by said parts, and advancing the polymerization of said mass to substantial completion to produce a transparent, inherently rigid mass with said parts attached to the molded product.

2,409,959
METHOD OF FORMING IMAGES OF DICHROIC MATERIALS
William H. Ryan, Cambridge, Arthur Barnes, Waltham, and Helen P. Husek, Allston, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application May 17, 1944, Serial No. 536,030
28 Claims. (Cl. 95—5)



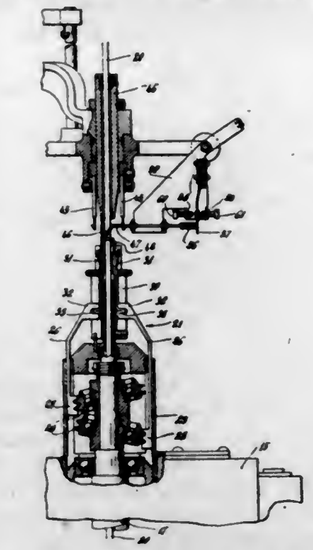
1. The method of producing a dichroic image, which comprises photo-exposing a silver halide suspension to produce a latent image, developing said latent image to form an image comprising a water-insoluble oxidizing agent having an oxidation potential sufficiently high to release iodine from an iodide, reacting the image comprising said oxidizing agent with an iodide in the presence of a solvent for said oxidizing agent which dissolves the latter and causes it to release iodine from the iodide, and having present at some stage during the release of said iodine, in a position to receive said iodine, a layer of molecularly oriented high polymer which forms a dichroic sorption complex with iodine.

2,409,960
ARCH SUPPORT
William M. Scholl, Chicago, Ill.
Application April 10, 1944, Serial No. 530,297
1 Claim. (Cl. 36—71)



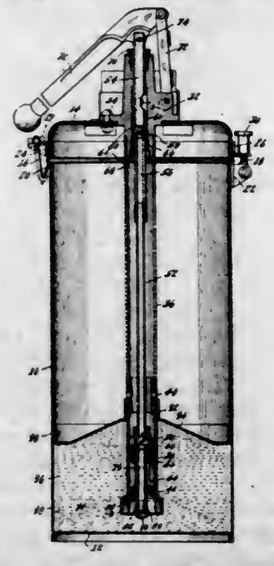
An arch support comprising a relatively rigid member of hard plastic material shaped to support the inner and outer longitudinal arches of a human foot and to define a heel seat portion, an integral upstanding margin on said member extending around all but the anterior edge thereof, said anterior edge being directed by the bottom of said heel seat portion into end edge contact with the insole of an article of footwear adapted to receive the member, and a transverse reinforcement on the underside of the anterior margin of the member increasing in thickness rearwardly from said anterior edge and terminating adjacent the portion where said insole rises rapidly to the heel of said article of footwear for tending to fill the gap that would otherwise occur at the forward end of the member, said member when pressured sufficiently by the human foot being deflected to contact more of the reinforcement with the insole for camming said anterior edge forwardly and upwardly to pass smoothly over the insole.

2,409,961
FAULT DETECTOR AND AUTOMATIC STOP DEVICE FOR TEXTILE MACHINES
De Hart G. Scrantom, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 26, 1944, Serial No. 551,336
11 Claims. (Cl. 66—166)



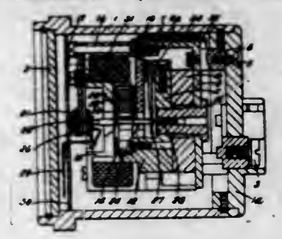
1. In a machine of the types indicated, means for combining a plurality of strands to form a covering over a traveling core which moves out of its normal path of travel when a defect occurs in the covering, and machine stopping means operated by the core when a defect occurs in the covering.

2,409,962
PUMP FOR LUBRICANTS AND THE LIKE
Spicer D. Shearman, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application May 23, 1945, Serial No. 595,419
6 Claims. (Cl. 103—5)



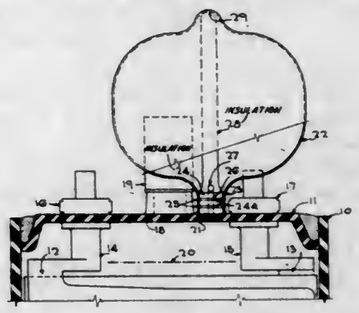
1. In a pump for lubricant and the like, a primer cylinder, a primer piston movable therein, a pump cylinder carried by said primer piston, a pump plunger carried by said primer cylinder, said pump cylinder being movable onto and off of said pump plunger, said primer cylinder and pump cylinder communicating freely with each other when the pump cylinder is off the pump plunger, an outlet check valve carried by said pump cylinder, and a tubular piston rod connected therewith for operating said primer piston and pump cylinder and for receiving the lubricant from said check valve and discharging it to a discharge port of the pump.

2,409,963
MOVING-COIL ELECTRICAL INSTRUMENT
Stanley James Smith, London, England, assignor to Simmonds Aerocessories Limited, London W. C. 2, England
Application February 17, 1944, Serial No. 522,832
In Great Britain March 5, 1943
8 Claims. (Cl. 171—95)



7. A moving coil electrical instrument comprising a permanent magnet establishing a magnetic field across two air gaps, a single coil having two sides each of which moves in one of said air gaps, and an electro-magnet for setting up a resultant magnet field in one only of said air gaps to control the total flux density therein.

2,409,964
STORAGE BATTERY
William Wharton Smith, Philadelphia, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey
Application February 26, 1943, Serial No. 477,218
8 Claims. (Cl. 136—179)

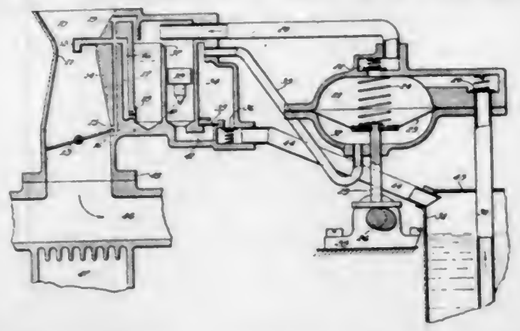


8. In combination a storage battery cell assembled in a hermetically sealed container, a non-spill vent plug for said cell embodying a valve automatically closed by tilting of the battery to a predetermined angle from the vertical, and means for relieving the pressure produced in the interior of said cell when said valve of said non-spill vent plug is closed, said means comprising a reservoir bounded by flexible resilient walls and supported externally to the cell, and a duct for connecting the interior of said reservoir with the interior of said cell.

2,409,965
FUEL PUMP
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application April 10, 1944, Serial No. 530,417
1 Claim. (Cl. 158—36.3)

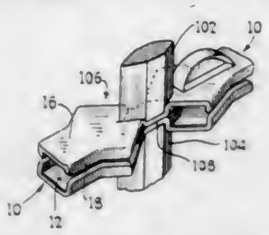
A pumping system for the constant level fuel supply chamber of a carburetor connected to an internal combustion engine, an air-vented tank, a fuel supply pipe forming an outlet from said

tank and an inlet to said constant level supply chamber, a pump connected to said pipe adapted to pump fuel from said tank to said constant level fuel supply chamber, a second chamber connected to said fuel supply chamber at the upper end thereof, a float in said second chamber, an outlet from the lower portions of said second chamber, a valve carried by the float and adapted to close said outlet when said second chamber is empty, an outlet pipe from said second chamber connected to said outlet and leading to said tank, a



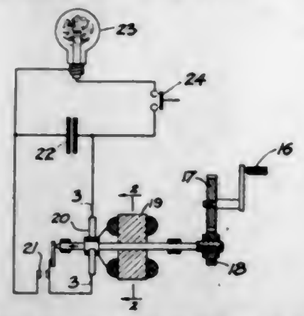
non-return valve in said pipe, an air chamber associated with said outlet pipe and located on the discharge side of said non-return valve, a second non-return valve in the bottom of said air chamber adapted to permit fuel to flow to said outlet pipe out of said air chamber, means integral with said pump and connected with the upper portion of said air chamber for causing air to pulsate into and out of said air chamber whereby fuel is first drawn into said air chamber, past said first non-return valve and is then forced out, past said second non-return valve.

2,409,966
BLANK FOR USE IN THE MANUFACTURE OF SLIDERS FOR SLIDE FASTENERS
Maurice Voity, Bayside, and George A. Griffiths, Kew Gardens, N. Y., assignors to Universal Slide Fastener Co., Inc., Long Island City, N. Y., a corporation of New York
Original application January 14, 1942, Serial No. 426,694, now Patent No. 2,384,144, dated September 4, 1945. Divided and this application June 1, 1945, Serial No. 597,110
2 Claims. (Cl. 29—190)



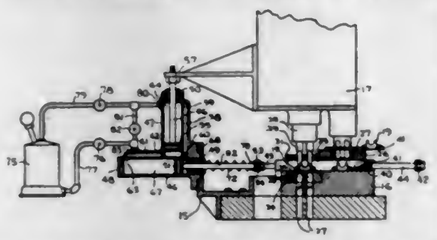
1. A slider blank comprising two pairs of spaced parallel completely fashioned slider wings, each wing having a plane body portion with rails running along its lateral edges and extending away from the plane of said body portion, and each wing having an attaching portion raised above said body portion and extending in the same direction as said rails, each attaching portion lying immediately adjacent and being integrally connected to the other attaching portion of the same pair, the attaching portions of one of said pairs being integrally connected to the attaching portions of the other of said pairs, the wings and attaching portions being in alignment and the rails being opposed.

2,409,967
MEANS TO IGNITE PHOTOGRAPHIC FLASH LAMPS
Louis Weisglass, New York, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Original application April 14, 1943, Serial No. 482,999. Divided and this application December 6, 1943, Serial No. 513,082
2 Claims. (Cl. 67—31)



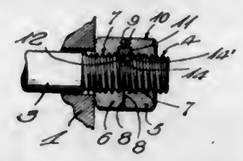
1. The portable combination of a photographic flash lamp consisting of a light transmitting vessel containing a filament and a plurality of components adapted to combine chemically upon heating of said filament, an induction type generator for electric energy, a condenser for storing said energy, and indirect means to ignite said lamp by discharging said stored energy into said vessel to heat said filament to initiate chemical combination of said components.

2,409,968
MACHINE FOR OPERATING ON MATERIALS
Louis A. Welsch, St. Paul, Minn., assignor to American Hoist & Derrick Co., St. Paul, Minn., a corporation of Delaware
Application August 24, 1945, Serial No. 612,510
5 Claims. (Cl. 164—117)



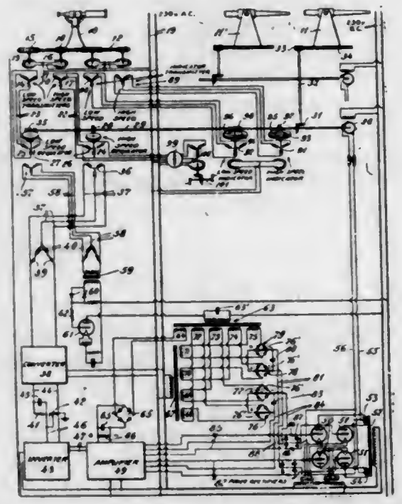
1. In combination, a structure including a first and a second cylinder arranged at angular relation to each other, a first piston in said first cylinder, a second piston in said second cylinder, a first space in said first cylinder at one side of said first piston, a first space in said second cylinder at one side of said second piston, a first connecting passageway between said first spaces of said first and second cylinders, a second space in said first cylinder at the opposite side of said first piston, a second space in said second cylinder at the opposite side of said second piston, a second connecting passageway between said second spaces of said first and second cylinders, a pump for delivering hydraulic fluid to all of said spaces and connecting passageways, an inlet to said pump leading from said first space in said first cylinder, a first valve in said inlet, a connection from said second space of said second cylinder leading to a portion of said inlet between said first space in said first cylinder and said first valve, a second valve in said connection, an outlet from said pump leading to a portion of said connection between said second valve and said second space in said second cylinder, and a third valve in said outlet.

2,409,969
NUT LOCK
William R. Williams, Dunsmuir, Calif.
Application December 15, 1942, Serial No. 469,102
3 Claims. (Cl. 151—15)



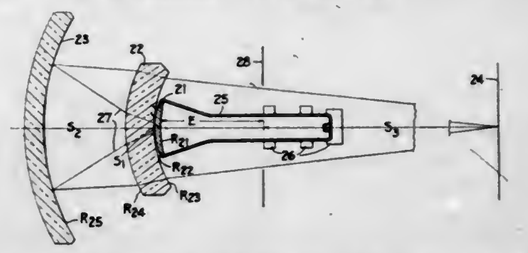
1. The combination with a bolt having a threaded portion, nut means in threaded engagement with the bolt and having a groove partially intersected by a portion of the bolt, a combined cutter and key means, said cutter means adapted after said nut means is in tightened position to cut away the intersecting portion of the bolt to complete the groove through said bolt and form a transverse channel therein by providing shoulders extending below the thread to abut opposite sides of said cutter means to brace the same and prevent stripping of said thread and upon completion of said cutting operation to constitute a key extending through said groove and lockable therein, whereby loss of said key and movement of said nut means relative to said bolt by reason of vibration is prevented.

2,409,970
ELECTRICAL POSITION CONTROL SYSTEM
George Agins, Brooklyn, N. Y., assignor to Arma Engineering Co., Inc., Brooklyn, N. Y., a corporation of New York
Application May 9, 1936, Serial No. 78,944
15 Claims. (Cl. 172—239)



1. In a control system for positioning a controlled object in accordance with a controlling object, the combination of a driving motor for the controlled object, means responsive to predetermined positional disagreement between said objects for developing a voltage proportional to the degree of such disagreement, means for applying said voltage to the driving motor for actuating it to move the controlled object into positional agreement with the controlling object, second means responsive to a positional disagreement between said objects in excess of the said predetermined disagreement for nullifying said voltage and impressing on said voltage-applying means a different voltage to move the controlled object to the said predetermined positional disagreement for assumption of control by said first responsive means, and means directly responsive to the rate of change of either of said voltages for modifying the same to effect damping of the movement of the controlled object.

2,409,971
CATADIOPTRIC TELEVISION PROJECTOR
Harold F. Bennett, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 19, 1945, Serial No. 600,364
8 Claims. (Cl. 88—57)



1. A catadioptric objective for use at finite conjugates comprising in optical alignment a concave spherical reflecting surface whose radius of curvature is between 2F and 3.5F where F is the focal length of the objective, a positive meniscus lens element concave in the same direction as the reflecting surface and whose concave surface substantially coincides with the short conjugate surface whereby the long conjugate surface is a plane, and at least one meniscus correcting component whose front and back surfaces are approximately concentric with the spherical reflecting surface whereby the spherical aberration is considerably less than that of an uncorrected spherical mirror of like focal length.

2,409,972
VIBRATOR LEVER FOR PATTERN MECHANISM
William A. Blanchard, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application September 8, 1945, Serial No. 615,123
10 Claims. (Cl. 139—77)



10. In a vibrator lever for a loom pattern mechanism, a bearing member at one end of the lever, a pattern chain run member, elongated tie rods extending lengthwise of the lever, one of said tie rods extending along the top of the lever and secured to the bearing member, the remainder of said tie rods extending along the bottom of the lever and secured to said bearing and chain run members, and reinforcing wire means of sinuous form extending between the top tie rod and the remainder of said tie rods and secured to at least one of said tie rods.

2,409,973
LEVER FOR LOOM PATTERN MECHANISM
William A. Blanchard, Millbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 6, 1946, Serial No. 674,810
7 Claims. (Cl. 139—77)

1. In a loom pattern mechanism vibrator lever, a pair of vertically spaced tie rods extending

lengthwise of the lever, a heel pin bearing secured to said tie rods adjacent one end of the lever, a lock knife lug secured to said tie rods



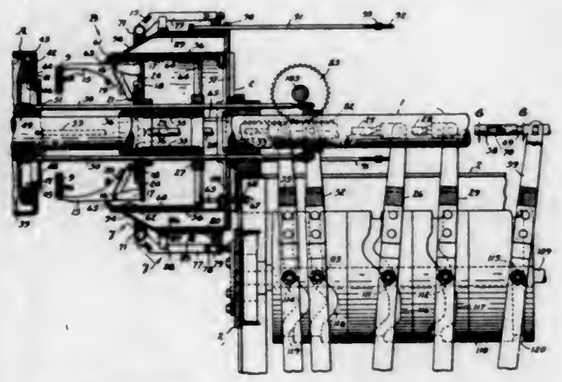
adjacent the other end of the lever, a pattern chain run on the lower tie rod, and a reinforcing wire of sinuous form extending between and secured to said tie rods.

2,409,974

TIRE BUILDING MACHINE

Walter J. Breth and Robert M. Wormald, Akron, Ohio, assignors to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio

Application August 6, 1942, Serial No. 453,806
26 Claims. (Cl. 154—10)



6. In apparatus for building pneumatic tire casings, an annular form having an opening in the end thereof and a circular shoulder surrounding said opening, a substantially annular folder and means for supporting and actuating the folder to move over the form, while embracing the latter, in an axial direction toward said end and then over the shoulder to fold the marginal edge portion of ply material on the form radially inward and provide a ply flange extending radially across said opening, and means for placing a circular bead against that portion of the ply flange overlying the shoulder, said first named means being arranged to support the folder in position to engage the ply flange radially inward of the shoulder during placing of the bead to restrain outward turning of the ply flange.

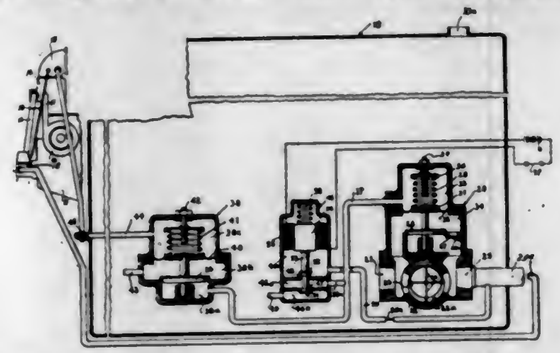
2,409,975

PUMP PRESSURE CONTROL SYSTEM

Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio

Application March 6, 1943, Serial No. 478,213
10 Claims. (Cl. 103—42)

1. Apparatus for maintaining selected pump pressure differentials which comprises a pump having a fluid intake and a fluid discharge side, a relief valve for relieving fluid from the discharge to the intake side of the pump, spring biased diaphragm means urging the valve toward closed position for maintaining a selected pump discharge pressure, a positively operated valve for selectively subjecting said diaphragm means to pump discharge pressure to increase the relief valve closing force exerted by said means and create a different pump discharge pressure differential, and a second relief valve cooperating



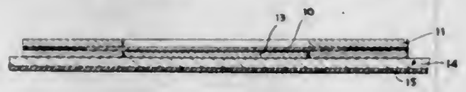
with said positively operating valve for limiting said effect.

2,409,976

MASKING COLOR TRANSPARENCIES IN MOUNTS

David Dean, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 13, 1945, Serial No. 604,761
3 Claims. (Cl. 95—2)



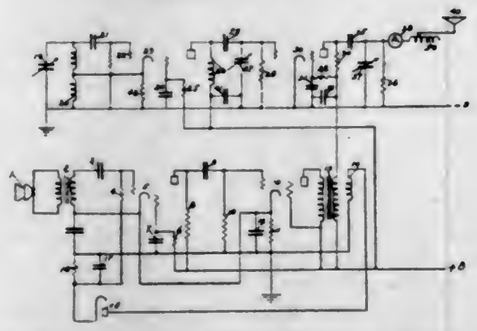
1. The method of masking a multi-color transparency secured in a mount having a central opening through which the transparency may be viewed, the edges of the mount projecting beyond and above the transparency, which comprises providing a transparent, rigid patch of substantially the exact size as the opening in said mount, one side of said patch being in contact with a light-sensitive layer, registering said patch in the opening in said mount with the sensitive side outermost, exposing said light-sensitive layer through said transparency, and thereafter forming a masking image therein and exposing the combination of transparency and masking image onto a print material.

2,409,977

MEANS FOR SUPPRESSION OF NOISE IN COMMUNICATION SYSTEMS

Sidney T. Fisher, Toronto, Ontario, Canada, assignor to Rogers Majestic Corporation, Dover, Del., a corporation of Delaware

Application June 14, 1944, Serial No. 540,238
In Canada November 9, 1943
3 Claims. (Cl. 179—1)



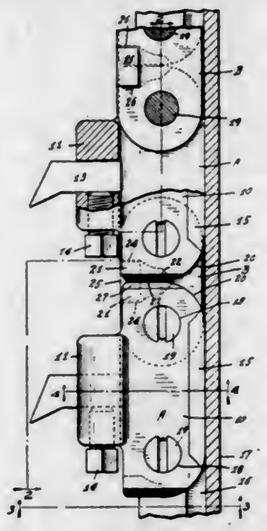
1. Means for the suppression of noise in communication systems, comprising a microphone, means connected with said microphone for amplifying the electrical impulses set up in said microphone, means for splitting the output from said amplifier, a rectifier interposed in one branch of said split circuit, a volume expansion amplifier connecting both branches of said split circuit, means for transmitting said rectified and amplified impulses, and means for receiving said transmitting impulses.

2,409,978

MINING MACHINE CHAIN

Frank L. Fulke, Terre Haute, Ind., assignor to Frank Prox Company, Inc., Terre Haute, Ind., a corporation of Indiana

Application June 7, 1943, Serial No. 489,938
8 Claims. (Cl. 74—250)



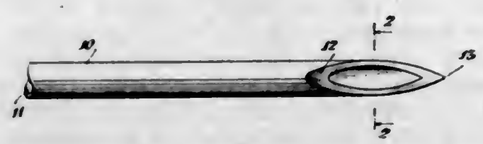
1. In a cutter chain, a bit link having spaced side plates connected centrally at their upper edges by an integral bit-supporting bridge, said side plates at each end beyond said bridge being perforated with aligned journal pin openings, and a connecting link fitting between said side plates and swiveling upon journal pins mounted in said journal pin openings of two adjacent bit links, said side plates at each opposite end beyond said head being formed at the outer portion of their inside faces with recesses defining abutment surfaces and said connecting links being formed centrally of the outer portions of their sides with projecting shoulders defining abutment surfaces cooperating with said first-mentioned abutment surfaces, to prevent reverse bend of any of said links.

2,409,979

HYPODERMIC NEEDLE

Ralph L. Huber, Seattle, Wash.

Application March 14, 1946, Serial No. 654,373
4 Claims. (Cl. 128—221)



1. A hypodermic needle comprising a tubular body having an end portion comprising a surface in which an aperture defining the end of the tube bore is formed, said surface being substantially flat, with the inner edge thereof extending in a plane substantially tangential to the curved outer surface of the tube, in substantial alignment with the straight longitudinal edge of the tube and in substantial parallelism with the longitudinal axis of the same and with no portion of the surface projecting substantially beyond said plane, a tissue-piercing point at the outer end of said surface, a transversely curved wall also forming a part of said end portion, said end wall being of diminishing area in the direction of said point and in the opposite direction merging—free from any "heel"—into the curved outer tube surface, said wall extending from one to the other side edge of said flat surface, the face of said flat surface adjacent its edges being beveled from said piercing point to the zone of maximum tube diameter, to provide cutting edges diverging from said piercing point whereby, upon bringing said piercing point into contact with tissue and thereupon exerting a continuing axial thrust in the direction of said point, a piercing of the tissue will initially occur, a cutting of the tissue by such edges solely in lateral and outward directions to define a substantially straight slit will thereupon follow, and simultaneously with the formation of such slit the tissue contacted by the curved outer wall will be retracted to dilate the orifice formed by said piercing point to an area not substantially in excess of that of said tubular body.

2,409,980

COMPOSITION FOR DISCHARGE PRINTING

Edgar C. Jensen, Rochester, Herbert G. Scull, New York, and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 28, 1943, Serial No. 500,410
9 Claims. (Cl. 8—64)

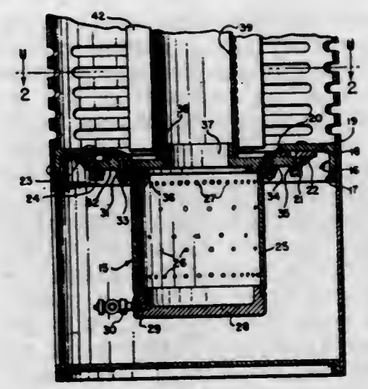
1. A composition for discharge printing comprising a formaldehyde metal sulfoxylate and a substance selected from the group consisting of salicylic acid and its salts.

2,409,981

SPACE HEATER

Allen P. Livar, Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

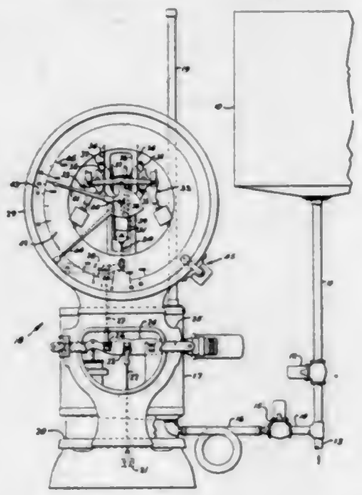
Application January 18, 1943, Serial No. 472,672
2 Claims. (Cl. 126—94)



1. A space heater comprising an elongated cylindrical casing having a continuous sheet metal wall provided at its upper end portion with a heated air outlet and with an air inlet at a location spaced upwardly from its lower extremity, a flange extending inwardly from said sheet metal

wall at a location between said air inlet and said lower extremity of said casing, a substantially cylindrical fluid fuel burning pot disposed centrally of said casing and suspended from said flange in the space between the latter and said lower extremity and including a flame plate at its upper end having a circular flame outlet opening and a surrounding tubular boss extending upwardly therefrom, said flame plate having a marginal portion extending laterally beyond the side wall of said pot and beneath the innermost portions of said flange and having an upstanding ridge engageable with an edge portion of said flange for piloting said flame plate into a predetermined position with respect to the latter, a cylindrical sheet metal tubular member telescoping said tubular boss and extending upwardly substantially centrally of said casing and through the upper extremity of the latter, and a plurality of heat transfer vanes secured to and extending along the outer surface of said tubular member at the lower end portion thereof.

2,409,982
LIQUID METERING APPARATUS
Ralph B. Longmate, Detroit, Mich., assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application December 13, 1943, Serial No. 514,006
8 Claims. (Cl. 73—113)

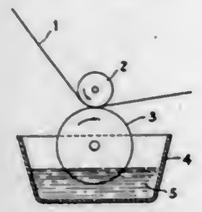


1. In a device for measuring the rate of flow of liquid, in combination, a supply tank in which a supply of liquid is maintained, a weigh tank, a weighing scale for supporting the weigh tank, piping from the supply tank to a liquid receiving system, a branch pipe to said weigh tank, an electrically controlled normally open valve in the pipe to each tank, said weigh tank being filled from said supply tank when both valves are open, an electrical control system including an interval timer, manually operable means to condition the electrical control system to cause said valve in the pipe from the supply tank to interrupt the flow of liquid from said supply tank, means actuated by the scale to start the timer when the weight of liquid in said weigh tank reaches a predetermined amount, and means actuated by the timer to cause said valves to interrupt the flow from the weigh tank and re-establish flow from the supply tank, said manually operable means being adapted upon return to normal position to cause said electrical control to open said valves and allow flow to the weigh tank in preparation for a succeeding test.

2,409,983
ELECTRODEPOSITION OF INDIUM
William M. Martz, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application June 22, 1942, Serial No. 448,003
21 Claims. (Cl. 204—46)

1. A process for the electrodeposition of indium which comprises passing electric current through an electrolyte composed essentially of an aqueous acid solution containing at least one compound of the class of compounds consisting of indium fluoborate, indium fluosilicate, and indium fluoride.

2,409,984
METHOD OF TREATING WATER RESISTANT PAPER
Wendell H. McDowell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 15, 1945, Serial No. 593,829
6 Claims. (Cl. 117—62)



1. A method of treating the surface of paper containing a melt coating of a cellulose ester and a plasticizer to inhibit tackiness when contacted with a hot surface which comprises contacting at least one surface of paper melt coated with a mixture of a cellulose ester and a plasticizer with only sufficient alcohol of 1–4 carbon atoms to wet the same, and evaporating the alcohol from that surface.

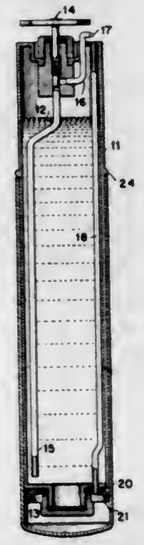
2,409,985
COATING COMPOSITIONS FOR MOISTURE-PROOFING BY HOT MELT COATING
Martin Salo, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 18, 1944, Serial No. 527,153
8 Claims. (Cl. 260—16)

3. A non-blocking melt-coating composition adapted to give coatings of low moisture vapor permeability, essentially consisting of at least 40% of a heat-stable butyric acid ester of cellulose having a butyryl content of at least 42% and a total acyl content of at least 50%, a cuprammonium viscosity of less than 10 centipoises, a viscosity in 10% acetone solution of 25° C. of 10–200 centipoises and not more than 2 hydroxyl groups per 24 cellulose carbon atoms, sufficient di-2-ethyl hexyl phthalate within the range of 10–40% to impart good fluidity at 150–200° C., ½–7% of wax, and sufficient of a blending agent to render the wax permanently compatible with the composition, said blending agent selected from the group consisting of the pentaerythritol esters of rosin having a melting point of approximately 110° C. and acid numbers of 19 maximum, and the rosin-maleic acid-glycerol resins having a melting range of 130–140° C., and acid numbers of 15 maximum.

2,409,986
COATING COMPOSITIONS FOR MOISTURE-PROOFING BY HOT MELT COATING
Martin Salo, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 18, 1944, Serial No. 527,154
7 Claims. (Cl. 260—16)

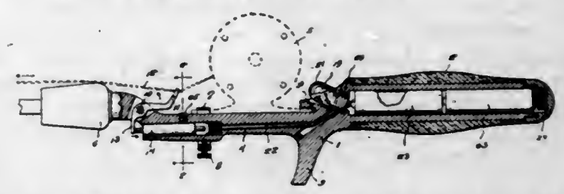
5. A non-blocking melt-coating composition adapted to give coatings of low moisture vapor permeability, essentially consisting of at least 40% of a heat-stable butyric acid ester of cellulose having a butyryl content of at least 46% and a total of acyl content of at least 50%, a cuprammonium viscosity of less than 10 centipoises, a viscosity in 10% acetone solution of 25° C. of 10–200 centipoises and not more than 2 hydroxyl groups per 24 cellulose carbon atoms, sufficient unmodified castor oil within the range of 10–40% to impart good fluidity to the composition at 150–200° C., ½–7% of wax, and sufficient of a blending agent to render the wax permanently compatible with the composition, said blending agent being selected from the group consisting of the pentaerythritol esters of rosin having a melting point of approximately 110° C., and acid numbers of 19 maximum, and the rosin-maleic acid-glycerol resins having a melting range of 130–140° C. and acid numbers of 15 maximum.

2,409,987
MICROSPRAY DEVICE
Herman O. Schroeder and Arthur W. Lindquist, Orlando, Fla., assignors to United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
Application July 12, 1944, Serial No. 544,619
1 Claim. (Cl. 299—88)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



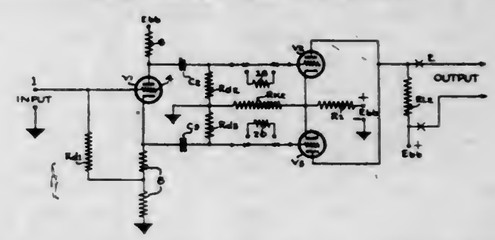
A device of the character described comprising a cylindrical container, said container having an aperture at one end for introducing a liquid therein to be dispersed, an air pump valve about said aperture, a cap for closing said aperture and holding said valve in position, a shell reciprocally mounted on said container over said valve to pump air, an air conduit having one end in said shell and the other end on the exterior of the container, and tubular means between said exterior end and the inside of the container.

2,409,988
FISHING ROD INDICATOR
George R. Schwebs, Cleveland, Ohio
Application June 8, 1945, Serial No. 598,238
6 Claims. (Cl. 43—17)



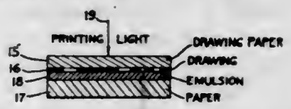
1. In a fishing rod handle, a forward portion, an intermediate portion and a rearward portion, said intermediate portion being offset with respect to said forward portion and said rearward portion, a lever member pivotally mounted on said intermediate portion, said lever member being provided with a rearwardly extending arm adapted to slidably engage the fishing line and deviate it downwardly, and signal means on said handle adapted to be energized responsive to upward movement of said rearwardly extending arm caused by a pull on said line.

2,409,989
SIGNALING SYSTEM
Eugene R. Shenk, Brooklyn, and James E. Smith, Jackson Heights, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application July 15, 1944, Serial No. 545,060
8 Claims. (Cl. 178—88)



1. In a signaling system in combination, a source of keyed currents, a multiphase rectifier system, a phase splitting device coupling said source to said multiphase rectifier system for applying the keyed currents thereto, a load impedance coupled to the output of said rectifier system means for biasing said rectifier system so that the same responds only to multiphase currents which exceed a selected minimum intensity and are less than a selected maximum intensity, series capacity and resistance connected in shunt to said load impedance and an output circuit connected across said capacity.

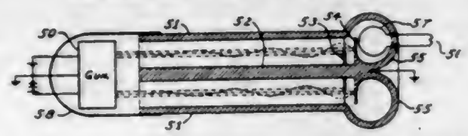
2,409,990
TRACING CLOTH
Cyril J. Staud, Rochester, N. Y.
Original application September 16, 1943, Serial No. 502,591. Divided and this application October 28, 1944, Serial No. 560,873
9 Claims. (Cl. 95—5)



1. The process of forming a positive photographic print on a material which is sensitive to only one region of the visible spectrum, comprising, providing a printing member having an emulsion which is sensitive to said one region and at least to another region and having an anti-hala-

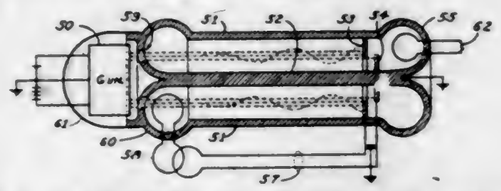
tion layer which is transparent to light rays of said one region but which will absorb light rays from said other region to prevent halation of said emulsion, exposing said emulsion to a negative by means of a light containing light rays of said other region to form a positive image on said emulsion, developing and fixing said positive image, and printing said positive image onto said material by exposing the image to light rays of said one region which are freely transmitted by said anti-halation layer to produce a positive image on said material.

2,409,991
STANDING WAVE COUPLER
Howard M. Strobel, Allegany, N. Y.
Application April 12, 1941, Serial No. 388,279
4 Claims. (Cl. 250—36)



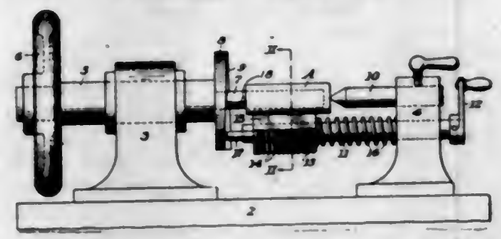
1. In a high-frequency generating system including a section of a coaxial transmission line and high velocity charged particles, said coaxial transmission line being adapted to set up an electromagnetic standing wave having an electrostatic field component transverse to the annular space within said coaxial line when energized by a high-frequency source, means for terminating one end of said transmission line with a resonanting chamber, means for energizing said transmission line with high-frequency energy, means for maintaining a low pressure region within said coaxial transmission line, means for directing a stream of said high velocity charged particles into said coaxial transmission line and in the field of said standing wave, whereby charged particles of the stream are deflected by fields of the standing wave, and means for collecting high-frequency energy from the deflected stream of charged particles.

2,409,992
TRAVELING WAVE COUPLER
Howard M. Strobel, Allegany, N. Y.
Application April 12, 1941, Serial No. 388,280
5 Claims. (Cl. 250—36)



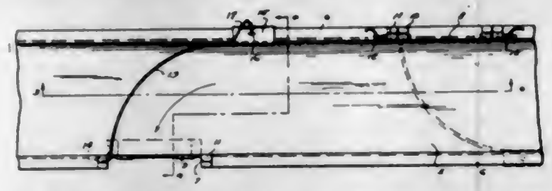
1. In a high-frequency generating system including a section of a coaxial transmission line and high velocity charged particles moving in a low pressure region, said coaxial transmission line being adapted to guide an electromagnetic traveling wave along a given path, means for energizing said section of said coaxial transmission line from a high-frequency energizing source to form a traveling wave having a transverse electrostatic field component along said path, means for maintaining a low pressure region along said path, means for directing said high velocity charged particles along said path and in the field of said electromagnetic wave, whereby charged particles of the stream are deflected by fields of the traveling wave, and means for collecting high-frequency energy from the deflected stream of charged particles.

2,409,993
MACHINE FOR THREADING COIL FORMS
Semon H. Stupakoff, Latrobe, Pa., assignor to Stupakoff Ceramic & Manufacturing Co., Latrobe, Pa., a corporation of Pennsylvania
Application April 3, 1943, Serial No. 481,705
7 Claims. (Cl. 10—1)



3. A threading tool of the class described comprising a shaft having a work-holding mandrel thereon, means for turning the shaft, a cam on the shaft having a helical face, a thread-forming comb supported in work-engaging position alongside the mandrel, said comb having a series of thread-forming teeth thereon corresponding in number and spacing to the number of threads to be formed on the work piece and to the pitch of such threads, and means on the comb engaging the cam for moving the comb axially with reference to the mandrel when the shaft is rotated, the helical face on the cam being equal to the pitch of a single thread.

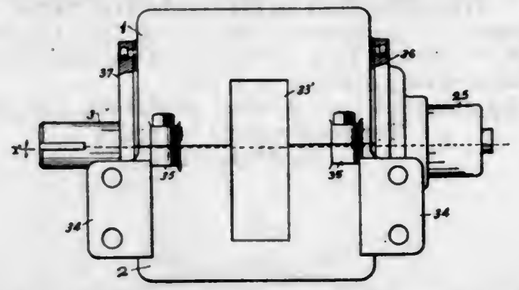
2,409,994
LOADING PAN
Patrick F. Toohey, Burgettstown, Pa., assignor of one-half to Mike Robb, Slovan, Pa.; Catherine Toohey administratrix of said Patrick F. Toohey, deceased
Application May 23, 1945, Serial No. 595,326
2 Claims. (Cl. 198—220)



1. A loading pan of the class described having an opening in a side thereof, a door adapted for closing the opening, a baffle extending transversely in the pan and curved in a forward direction, a flange at one end of the baffle adapted for engaging the outer side of the pan at the rear edge of the opening to prevent longitudinal and lateral movement of the baffle in one direction, and means at the other end of the baffle for attaching to the pan to prevent longitudinal and lateral movement of the baffle in an opposite direction.

2,409,995
HYDRAULIC CLUTCH
Henry Earl Morton, Muskegon, Mich.
Application April 5, 1944, Serial No. 529,561
2 Claims. (Cl. 192—58)

1. In a hydraulic clutch; the combination with a clutch housing having a bore at each of its ends; a roller bearing mounted in each of said bores and carrying a drive flange comprising two dissimilar portions fastened together in face to face relation to each other, with one portion of the drive flange having a recess with a cam ring fastened therein and having at its opposite sides at its inner periphery a pair of opposed inclined cam portions; a driven shaft extending longitudinally through the clutch housing and drive flange portions and carried by ball bearings mounted in a hub of each drive flange portion; a clutch block carrier carried by the said shaft between the two portions of the drive flange portions and having a plurality of radially extending slots, each having a clutch block slidable outwardly therein by oil under pressure conducted to the said slots



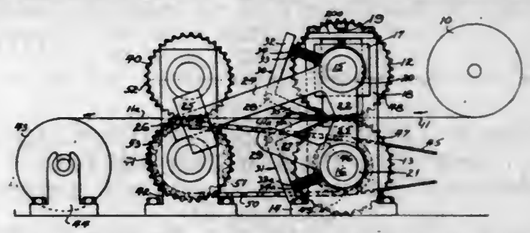
by ports extending radially from a port extending axially of the shaft from one end thereof, and closed at one end by a nozzle extending into the bore for conducting oil under pressure to the said bore and having an annular flange engaging a thrust bearing carried by an inwardly flanged sleeve secured to the said shaft for retaining the nozzle in the shaft against pressure of oil within the shaft.

2,409,996
ETHYLENE POLYMERIZATION
Milton J. Roedel, Talleyville, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1944, Serial No. 537,737
6 Claims. (Cl. 260—94)

1. In a process involving the polymerization of ethylene at a temperature between 100 and 400° C. and a pressure between 400 and 3000 atmospheres, the step which comprises conducting the polymerization in the presence of from about 0.0005 to 2% of an alkyl hydroperoxide based on the total weight of monomers charged into the reactor.

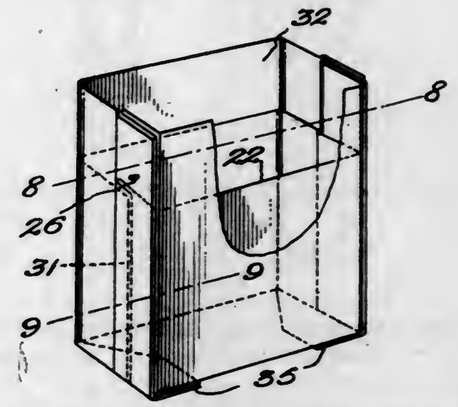
2,409,997
CREPING MACHINE
Louis A. Straubel, Sr., Green Bay, Wis., assignor to James W. Straubel, trustee, Green Bay, Wis.
Application November 24, 1944, Serial No. 564,916
9 Claims. (Cl. 154—30)

1. In a creping machine, a pair of cooperating rolls for the passage into the bite therebetween of a web to be creped, coacting members, pivotally mounted about the axes of said rolls, creping plates supported from said members for providing a gap adjacent to the bite of said rolls of adjustable width for receiving said web after the same



is creped in said nip, and means tending to urge said plates toward each other to resrict the width of said gap to effect an accumulation of said creped web within said gap.

2,409,998
FLUID-TIGHT PACKAGE
Harry F. Waters, New York, N. Y.
Original application April 27, 1940, Serial No. 331,907. Divided and this application December 4, 1941, Serial No. 421,583
4 Claims. (Cl. 229—55)

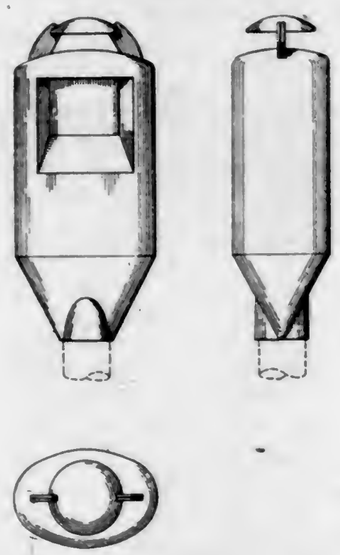


1. A composite strip for the continuous production of puncture-proof fluid-tight packages which comprises in combination a strip of flexible material fusible on at least one face thereof, and a plurality of puncture-resistant flexible cushioning members spacedly secured to the fusible face of said strip, said strip being adapted to be separated into unit lengths for the formation of individual packages, each of said unit lengths including at least one cushioning member arranged in such position as to cover the portions which in the finished package will be in direct contact with the packed material and to leave uncovered the portions which are to be heat-sealed during forming and after the filling of said package.

DESIGNS

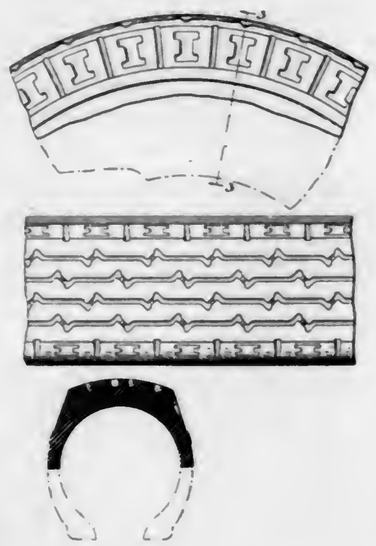
OCTOBER 22, 1946

145,765
DESIGN FOR A RADIO LOUD SPEAKER HOUSING OR SIMILAR ARTICLE
Arthur F. Adams and Nathaniel S. Barger, Chicago, Ill.
Application October 15, 1945, Serial No. 122,850
Term of patent 3½ years
(Cl. D26—14)



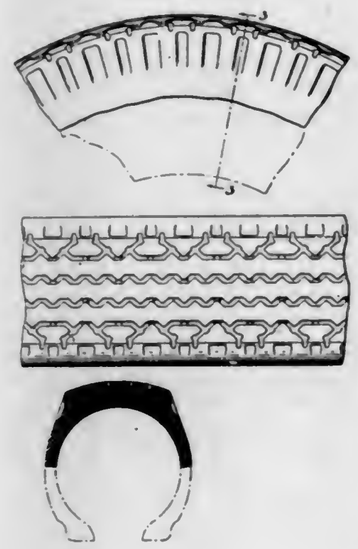
The ornamental design for a radio loud speaker housing or similar article, as shown and described.

145,766
DESIGN FOR A PNEUMATIC TIRE
George W. Anderson, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 9, 1945, Serial No. 120,579
Term of patent 14 years
(Cl. D90—20)



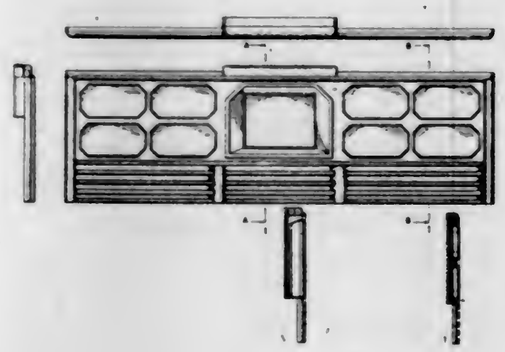
The ornamental design for a pneumatic tire, as shown and described.

145,767
DESIGN FOR A PNEUMATIC TIRE
George W. Anderson, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 9, 1945, Serial No. 120,580
Term of patent 14 years
(Cl. D90—20)



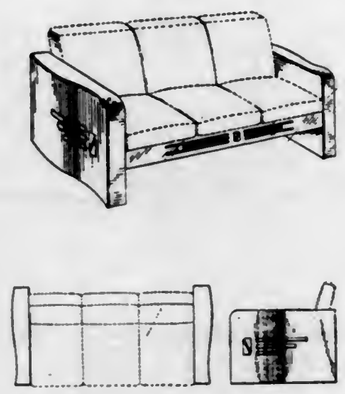
The ornamental design for a pneumatic tire, as shown and described.

145,768
DESIGN FOR A DISPLAY DEVICE
Charles T. Andrews, Toronto, Ontario, Canada, assignor to Multiple Displays, Inc., New York, N. Y., a corporation of New York
Application December 4, 1945, Serial No. 124,338
Term of patent 3½ years
(Cl. D80—9)



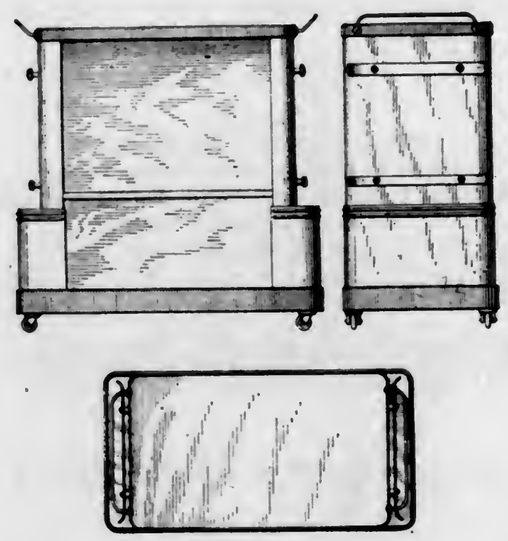
The ornamental design for a display device, as shown.

145,769
DESIGN FOR A GLIDER
Peter V. Armstrong, Warren, Ohio, assignor to Federal Machine and Welder Company, Warren, Ohio, a corporation of Ohio
Application December 13, 1945, Serial No. 124,669
Term of patent 7 years
(Cl. D15—11)



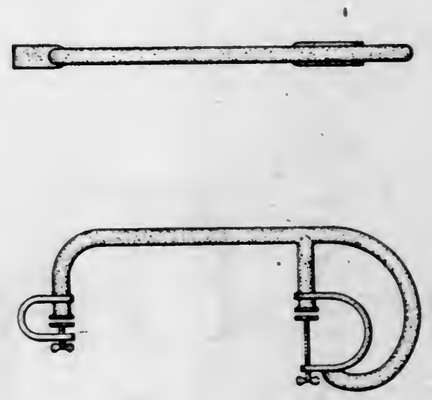
The ornamental design for a glider, substantially as shown and described.

145,770
DESIGN FOR A TOOL CARRIER
Francis Lawrence Ayres, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 8, 1945, Serial No. 122,639
Term of patent 14 years
(Cl. D33—19)



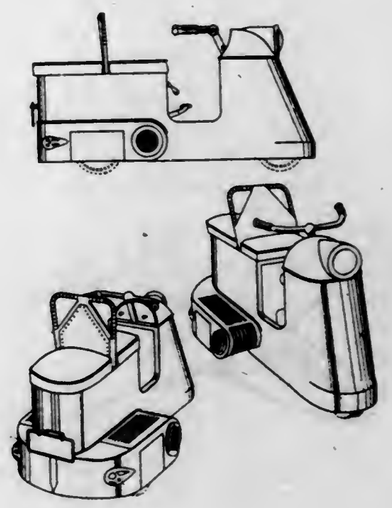
The ornamental design for a tool carrier, substantially as shown and described.

145,771
DESIGN FOR A BAR RAIL FIXTURE
George Bassett, Los Angeles, Calif.
Application December 17, 1945, Serial No. 124,793
Term of patent 14 years
(Cl. D80—2)



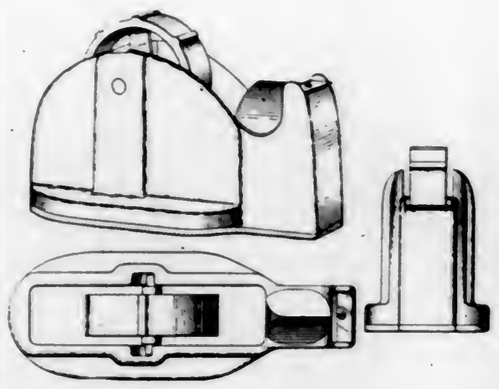
The ornamental design for a bar rail fixture, as shown.

145,772
DESIGN FOR A MOTORCYCLE
Frank Brogan, Cincinnati, Ohio
Application December 3, 1945, Serial No. 124,275
Term of patent 14 years
(Cl. D90—8)



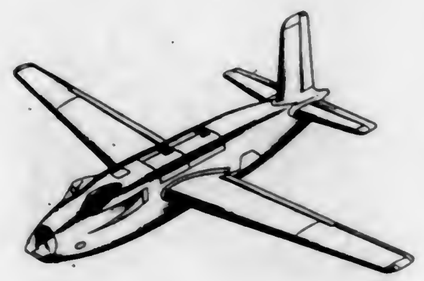
The ornamental design for a motorcycle, as shown and described.

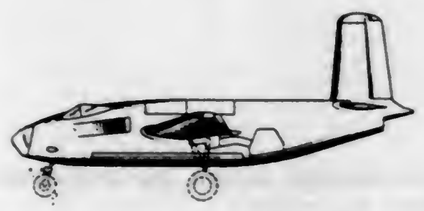
145,773
DESIGN FOR AN ADHESIVE TAPE DISPENSER
Benjamin Bronfman, Lynbrook, N. Y., assignor to The Cofax Corporation, a corporation of New York
Application July 27, 1946, Serial No. 132,019
Term of patent 14 years
(Cl. D74—1)



The ornamental design for an adhesive tape dispenser, as shown.

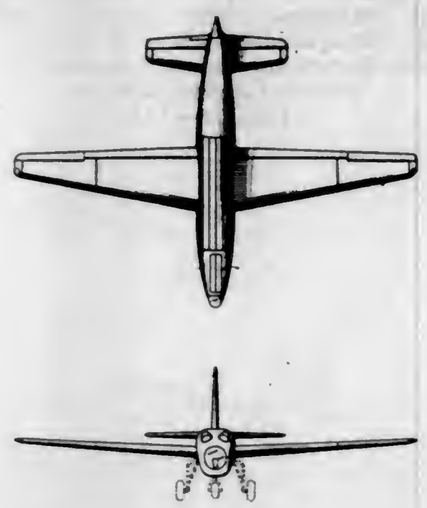
145,774
DESIGN FOR AN AIRPLANE
Edward F. Burton, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application March 23, 1945, Serial No. 118,657
Term of patent 7 years
(Cl. D71—1)



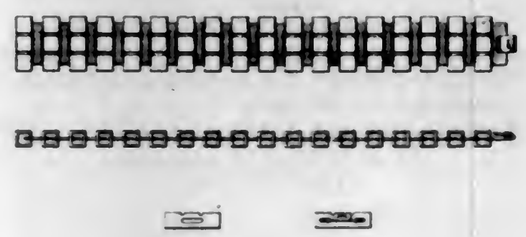


The ornamental design for an airplane, substantially as shown and described.

145,774—Continued

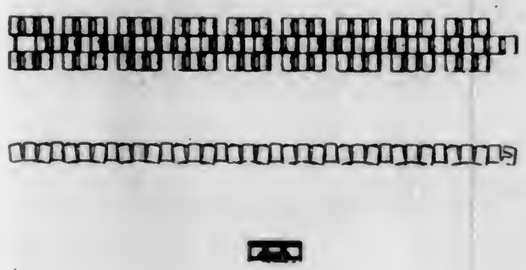


145,775
DESIGN FOR A BRACELET
Cecil F. Carter, New York, N. Y.
Application February 14, 1946, Serial No. 126,550
Term of patent 7 years
(Cl. D45—4)



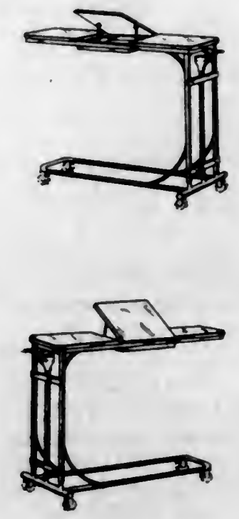
The ornamental design for a bracelet, substantially as shown.

145,776
DESIGN FOR A BRACELET
Cecil F. Carter, New York, N. Y.
Application February 14, 1946, Serial No. 126,551
Term of patent 7 years
(Cl. D45—4)



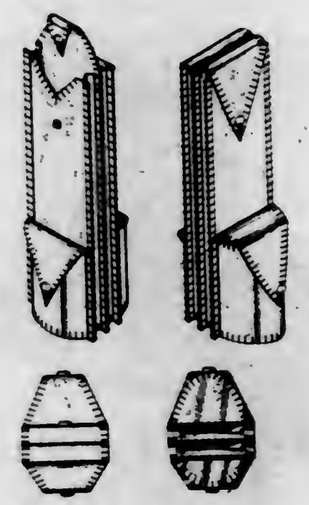
The ornamental design for a bracelet, substantially as shown.

145,777
DESIGN FOR AN OVERBED TABLE
Josiah S. Clachko, Ridgefield Park, N. J., assignor to S. Blickman, Inc., Weehawken, N. J., a corporation of New York
Application June 27, 1945, Serial No. 120,367
Term of patent 7 years
(Cl. D33—14)



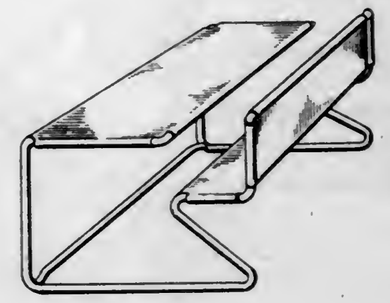
The ornamental design for an overbed table, as shown.

145,778
DESIGN FOR A PEN AND PENCIL CASE
Josephine A. Commander, Washington, D. C.
Application November 16, 1945, Serial No. 123,827
Term of patent 3½ years
(Cl. D74—21)



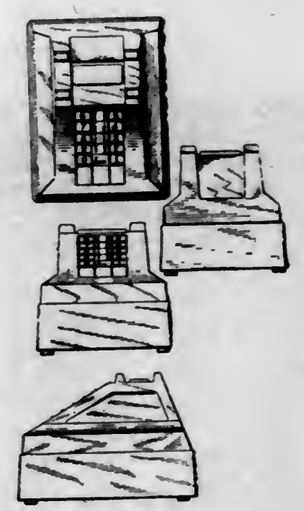
The ornamental design for a pen and pencil case, as shown.

145,779
DESIGN FOR A COMBINED TABLE AND CHAIR
Charles S. Davis, Brooklyn, N. Y.
Application December 11, 1945, Serial No. 124,635
Term of patent 14 years
(Cl. D33—14)



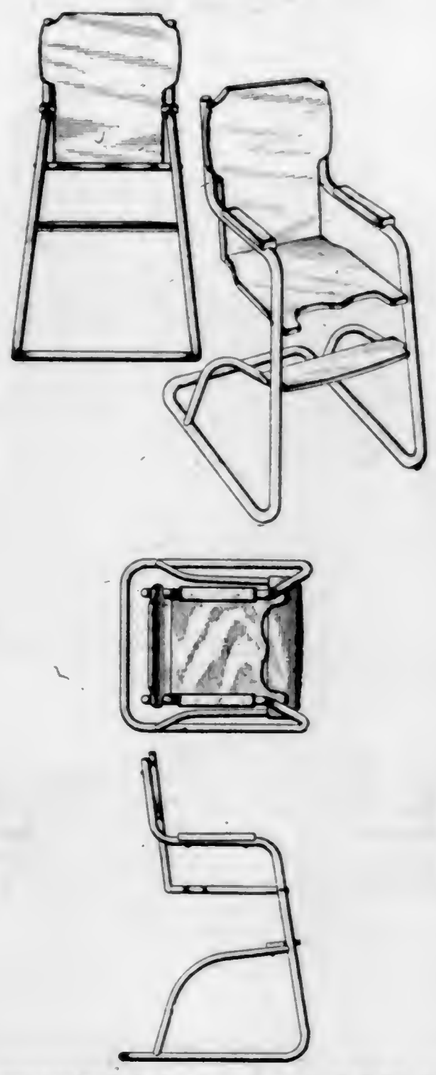
The ornamental design for a combined table and chair, substantially as shown.

145,780
DESIGN FOR A TELEPHONE DESK STAND
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 3, 1945, Serial No. 121,185
Term of patent 14 years
(Cl. D26—14)



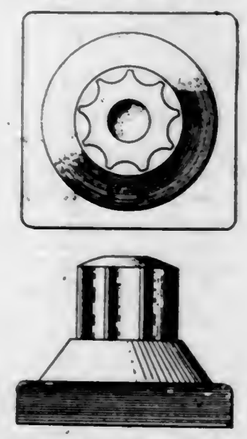
The ornamental design for a telephone desk stand, as shown.

145,781
DESIGN FOR A CHILD'S CHAIR
Frederick L. Duer, Chicago, Ill.
Application January 16, 1946, Serial No. 125,587
Term of patent 14 years
(Cl. D15—1)



The ornamental design for a child's chair, as shown.

145,782
DESIGN FOR A NIGHT LIGHT
James P. Endsley, Sunnyvale, Calif.
Application October 22, 1945, Serial No. 123,083
Term of patent 7 years
(Cl. D48—20)



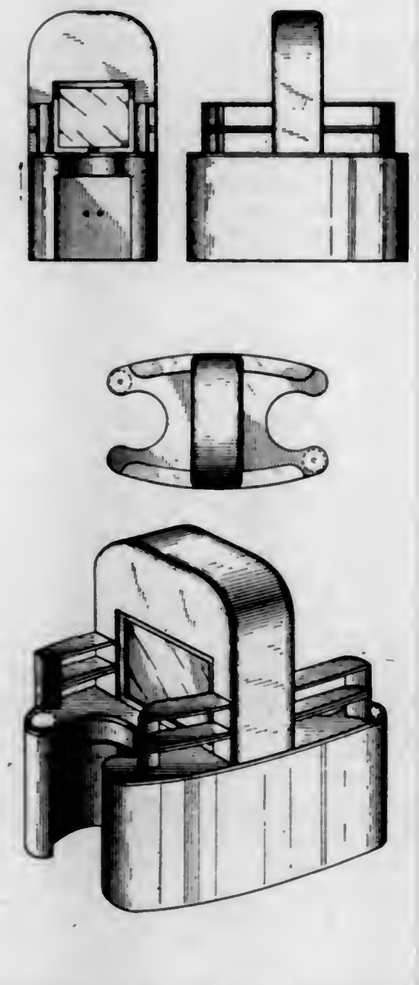
The ornamental design for a night light, as shown and described.

145,783
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Jacques Bernas, New York, N. Y.
Application January 26, 1946, Serial No. 125,994
Term of patent 14 years
(Cl. D45—4)



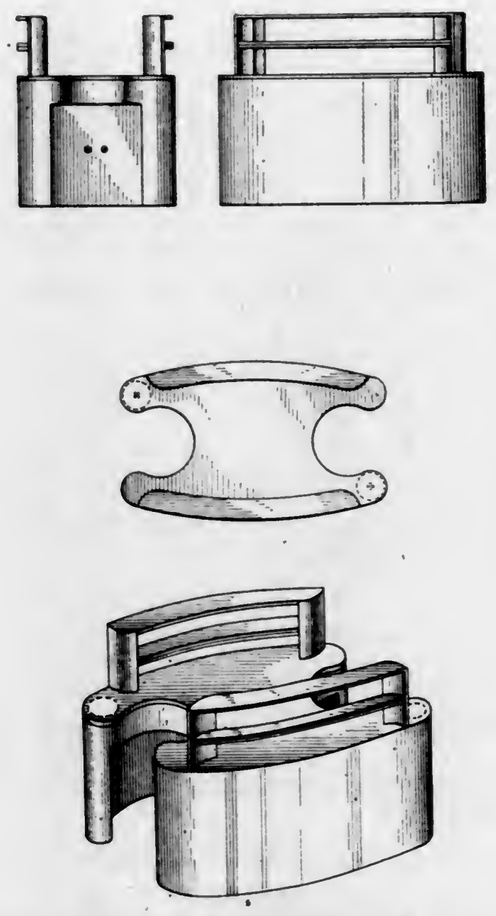
The ornamental design for a bracelet or similar article, substantially as shown and described.

145,784
DESIGN FOR A LABORATORY WORKBENCH
Johan Bjorksten, Chicago, Ill.
Application September 4, 1945, Serial No. 121,834
Term of patent 14 years
(Cl. D80—11)



The ornamental design for a laboratory workbench, substantially as shown and described.

145,785
DESIGN FOR A LABORATORY WORKBENCH
Johan Bjorksten, Chicago, Ill.
Application September 4, 1945, Serial No. 121,835
Term of patent 14 years
(Cl. D80—11)



The ornamental design for a laboratory workbench, substantially as shown and described.

145,786
DESIGN FOR A POLO SHIRT OR SIMILAR ARTICLE
Dorthi Engleman, New York, N. Y., assignor to Carl Gutmann & Co., Inc., New York, N. Y.
Application April 12, 1946, Serial No. 128,497
Term of patent 14 years
(Cl. D3—4)



The ornamental design for a polo shirt or similar article, substantially as shown and described.

145,787
DESIGN FOR A SWEATER
Peter Freund, Jr., North Bergen, N. J.
Application April 27, 1946, Serial No. 129,024
Term of patent 3½ years
(Cl. D3—5)



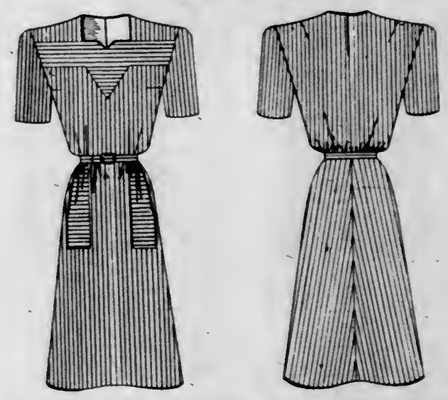
The ornamental design for a sweater, substantially as shown and described.

145,788
DESIGN FOR A CHAIR
Walter S. Gass, Seward, Nebr.
Application January 12, 1946, Serial No. 125,496
Term of patent 14 years
(Cl. D15—1)



The ornamental design for a chair, substantially as shown.

145,789
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application March 25, 1946, Serial No. 127,898
Term of patent 3½ years
(Cl. D3—26)



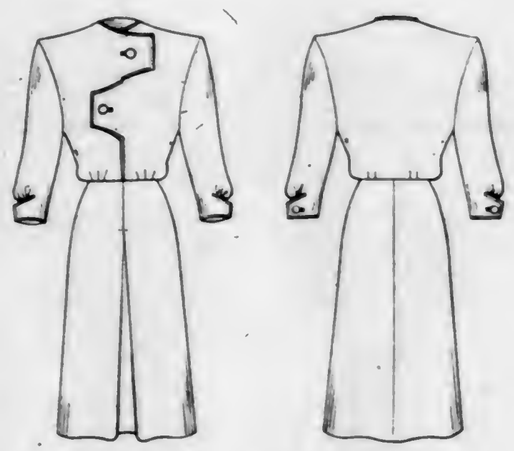
The ornamental design for a dress, substantially as shown.

145,790
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,830
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,791
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,833
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,792
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,838
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,793
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,839
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,794
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,840
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,795
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,841
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,796
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,846
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,797
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,847
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,798
DESIGN FOR A DRESS
David M. Goodstein, New York, N. Y.
Application July 23, 1946, Serial No. 131,826
Term of patent 3½ years
(Cl. D3—26)



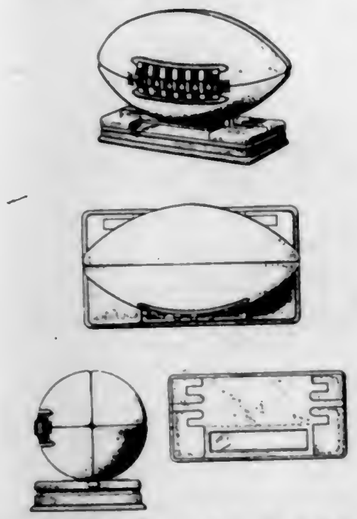
The ornamental design for a dress, substantially as shown.

145,799
DESIGN FOR A DRESS
David M. Goodstein, New York, N. Y.
Application July 23, 1946, Serial No. 131,827
Term of patent 3½ years
(Cl. D3—26)



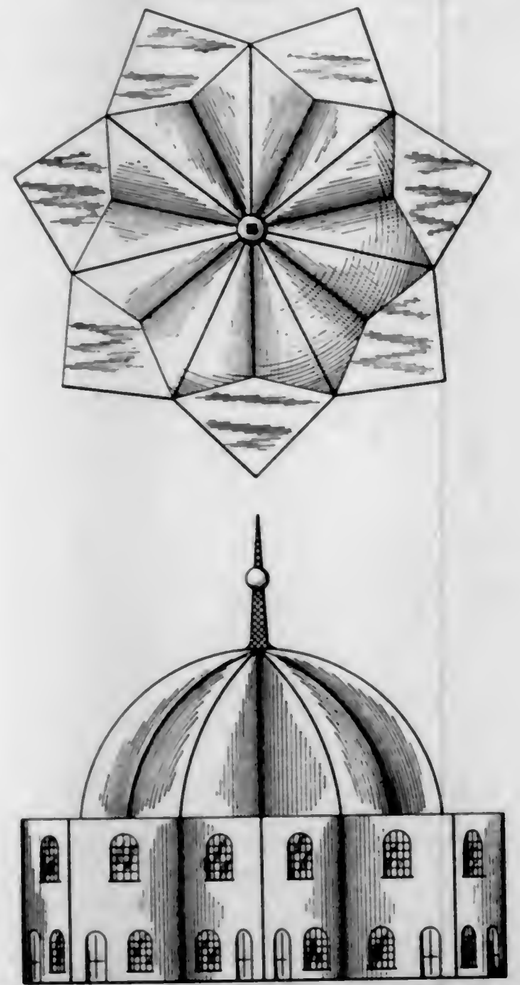
The ornamental design for a dress, substantially as shown.

145,800
DESIGN FOR A RADIO CABINET
Walter J. House, Jr., Dallas, Tex.
Application May 17, 1945, Serial No. 119,593
Term of patent 7 years
(Cl. D56—4)



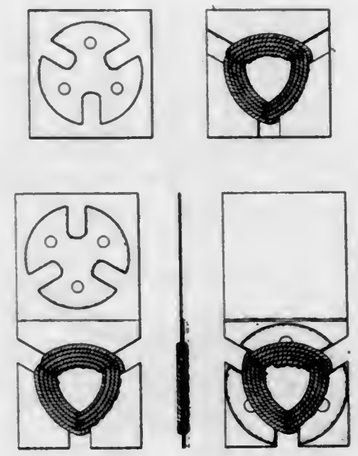
The ornamental design for a radio cabinet, as shown.

145,801
DESIGN FOR A BUILDING
Harold Paul Hummel, Mount Carmel, Pa.
Application November 27, 1945, Serial No. 124,095
Term of patent 14 years
(Cl. D13—1)



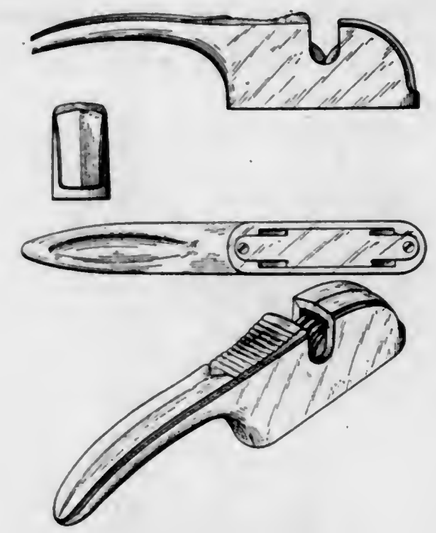
The ornamental design for a building, as shown and described.

145,802
DESIGN FOR A SAMPLE DISPLAY DEVICE FOR TWINE AND THE LIKE
Edward H. Jackson, Jr., Reading, Pa., assignor to The Thomas Jackson and Son Co., Reading, Pa., a corporation of Pennsylvania
Application November 20, 1945, Serial No. 123,939
Term of patent 14 years
(Cl. D80—5)



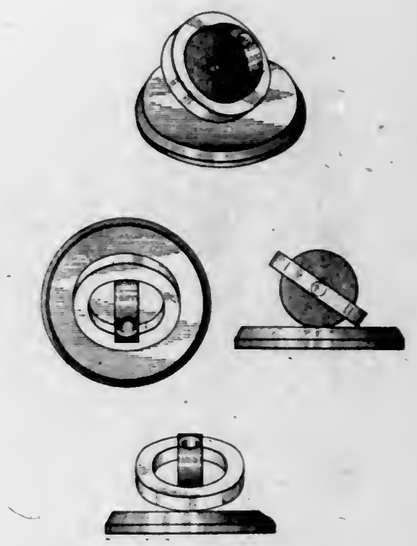
The ornamental design for a sample display device for twine and the like, as shown.

145,803
DESIGN FOR A KNIFE SHARPENER
George M. Jones, Jenkintown Manor, Pa.
Application October 3, 1945, Serial No. 122,490
Term of patent 14 years
(Cl. D37—1)



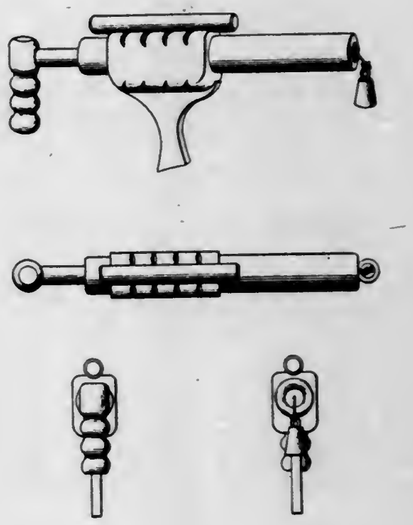
The ornamental design for a knife sharpener, as shown.

145,804
DESIGN FOR A PEN DESK STAND
Benjamin W. Hanle, Elizabeth, N. J., assignor to Eagle Pencil Company, a corporation of Delaware
Application July 20, 1946, Serial No. 131,758
Term of patent 14 years
(Cl. D74—1)



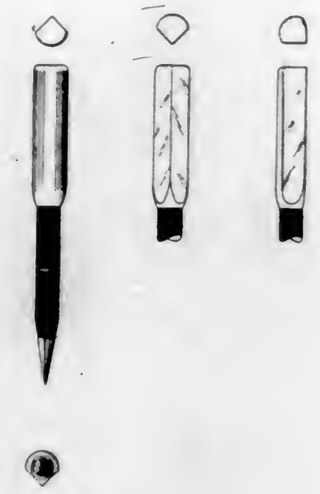
The ornamental design for a pen desk stand, substantially as shown.

145,805
DESIGN FOR A TOY GUN
Wallace C. Hooper, Los Angeles, Calif.
Application August 20, 1945, Serial No. 121,509
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy gun, as shown and described.

145,806
DESIGN FOR A MECHANICAL PENCIL
Max Kahn, New York, N. Y.
Application June 1, 1946, Serial No. 130,317
Term of patent 7 years
(Cl. D74—24)



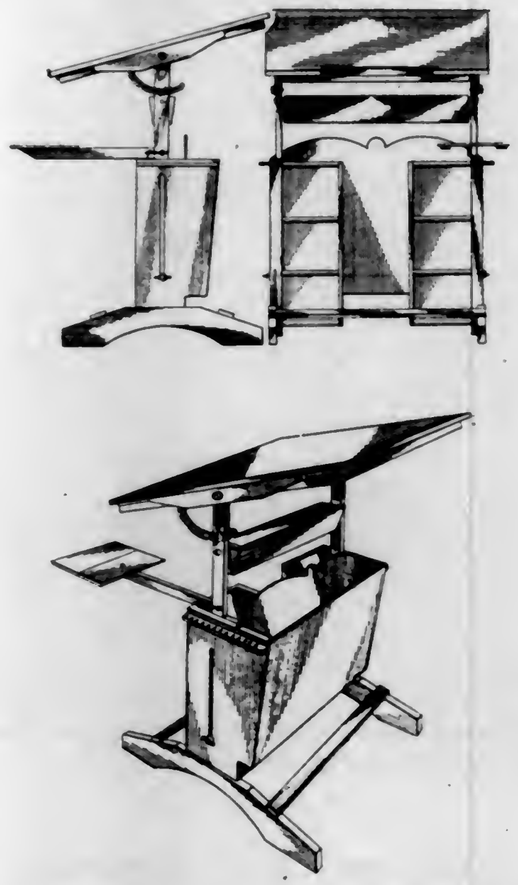
The ornamental design for a mechanical pencil, substantially as shown.

145,807
DESIGN FOR A DRESS
H. Thomas Langbert, New York, N. Y.
Application June 14, 1946, Serial No. 130,694
Term of patent 7 years
(Cl. D3—26)



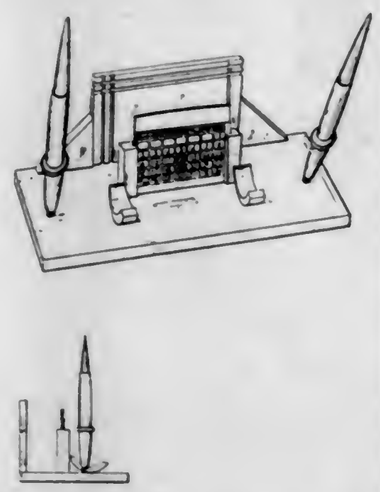
The ornamental design for a dress, substantially as shown.

145,808
DESIGN FOR A DRAFTING TABLE
Louis La Pidus, Brooklyn, N. Y.
Application January 15, 1946, Serial No. 125,567
Term of patent 14 years
(Cl. D33—14)



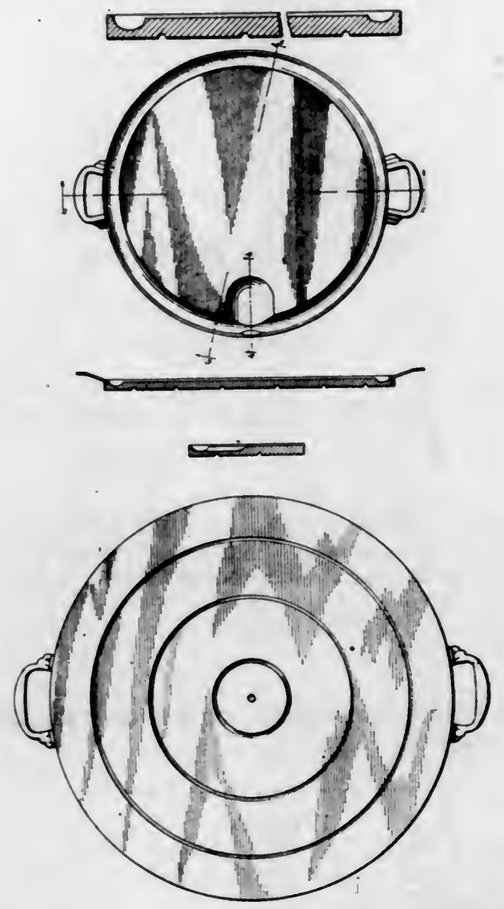
The ornamental design for a drafting table, as shown.

145,809
DESIGN FOR A COMBINATION DESK UNIT
Max J. Lewis, Forest Hills, N. Y.
Application June 17, 1946, Serial No. 130,811
Term of patent 3½ years
(Cl. D74—1)



The ornamental design for a combination desk unit, substantially as shown and described.

145,810
DESIGN FOR A GRILL
Morgan J. Lewis, Philadelphia, Pa.
Application November 27, 1945, Serial No. 124,116
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a grill, as shown.

145,811
DESIGN FOR A COMBINED BROOCH AND COSMETIC CONTAINER
Noreen Linduska, Cicero, Ill.
Application December 27, 1945, Serial No. 125,066
Term of patent 7 years
(Cl. D86—10)



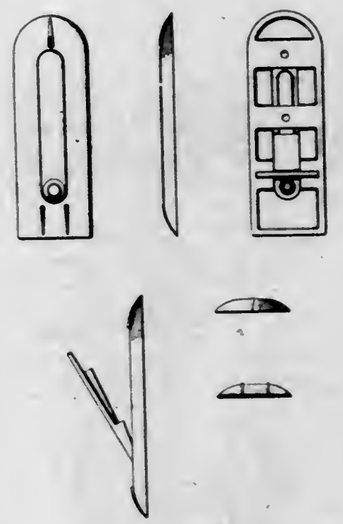
The ornamental design for a combined brooch and cosmetic container, substantially as shown.

145,812
DESIGN FOR A COOKIE CUTTER
Marcia M. Meyers, Poplar Grove, Ill.
Application December 6, 1945, Serial No. 124,406
Term of patent 14 years
(Cl. 44—29)



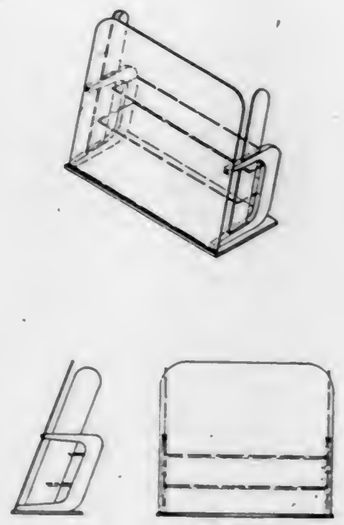
The ornamental design for a cookie cutter, as shown.

145,813
DESIGN FOR A GARMENT HOOK
Harold A. Marsh, Chestnut Hill, Mass.
Application March 11, 1946, Serial No. 127,342
Term of patent 3½ years
(Cl. D17—9)



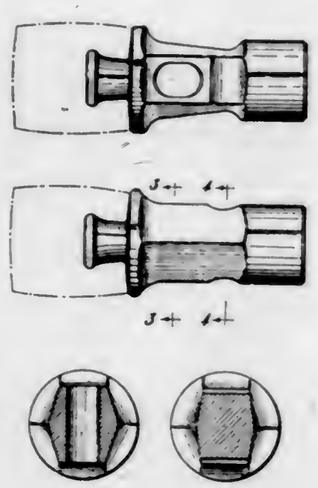
The ornamental design for a garment hook or the like, as shown.

145,814
DESIGN FOR A MERCHANDISE DISPLAY STAND
Simon Malkin, New York, N. Y., assignor to United Cigar-Whelan Stores Corporation, a corporation of Delaware
Application December 19, 1945, Serial No. 124,862
Term of patent 14 years
(Cl. D80—9)



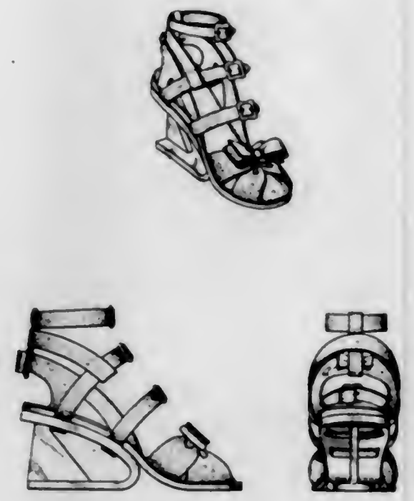
The ornamental design for a merchandise display stand, as shown.

145,815
DESIGN FOR A HAMMER HEAD
Bernard L. McClure, Norwalk, Ohio
Application August 27, 1945, Serial No. 121,673
Term of patent 14 years
(Cl. D93—4)



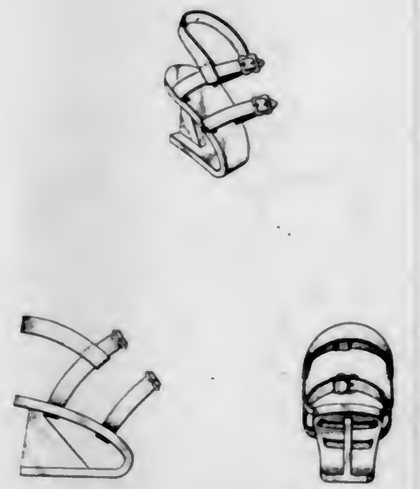
The ornamental design for a hammer head, substantially as shown and described.

145,816
DESIGN FOR A SHOE
Edna S. Payne, New York, N. Y.
Application April 18, 1946, Serial No. 128,736
Term of patent 7 years
(Cl. D7—7)



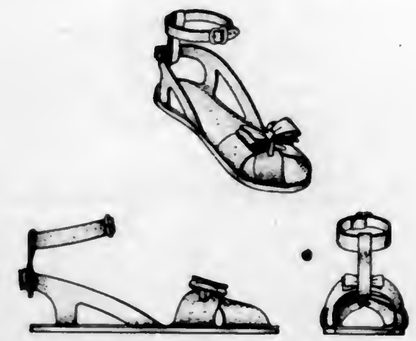
The ornamental design for a shoe, substantially as shown.

145,817
DESIGN FOR A COMBINED HEEL AND COUNTER UNIT FOR A SHOE OR SIMILAR ARTICLE
Edna S. Payne, New York, N. Y.
Application April 18, 1946, Serial No. 128,737
Term of patent 7 years
(Cl. D7—5)



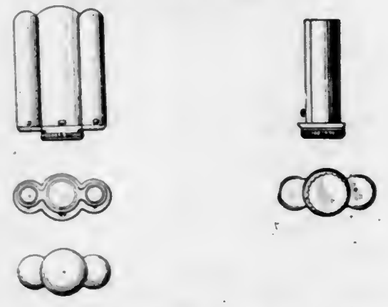
The ornamental design for a combined heel and counter unit for a shoe or similar article, substantially as shown.

145,818
DESIGN FOR A SANDAL
Edna S. Payne, New York, N. Y.
Application April 18, 1946, Serial No. 128,738
Term of patent 7 years
(Cl. D7—7)



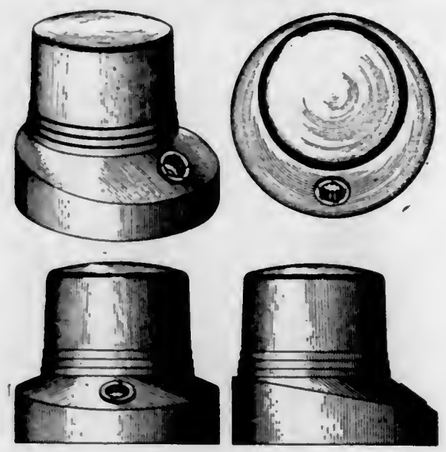
The ornamental design for a sandal, substantially as shown.

145,819
DESIGN FOR A COSMETIC CONTAINER
Marguerite H. Ramsey, Brooklyn, N. Y.
Application January 15, 1946, Serial No. 125,572
Term of patent 3½ years
(Cl. D86—10)



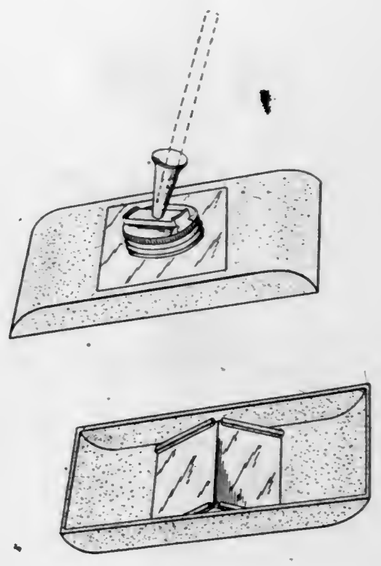
The ornamental design for a cosmetic container, as shown and described.

145,820
DESIGN FOR A RESERVOIR DESK STAND
Jean O. Reinecke, Oak Park, Ill., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application April 3, 1946, Serial No. 128,233
Term of patent 14 years
(Cl. D74—1)



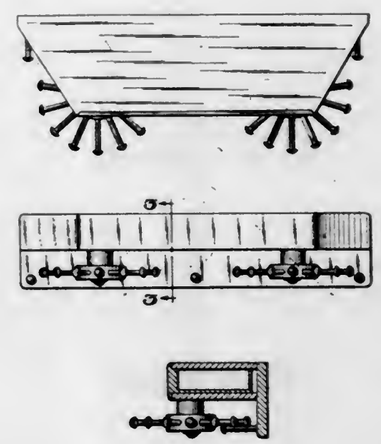
The ornamental design for a reservoir desk stand, substantially as shown.

145,821
DESIGN FOR A COMBINATION DESK UNIT
Theodore Roffey, Toronto, Ontario, Canada
Application April 1, 1946, Serial No. 128,135
In Canada March 12, 1946
Term of patent 3½ years
(Cl. D74—1)



The ornamental design for a combination desk unit, as shown and described.

145,822
DESIGN FOR A COMBINED TIE RACK AND DRAWER
Richard Benjamin Rubin, Newton Center, Mass.
Application March 14, 1946, Serial No. 127,521
Term of patent 14 years
(Cl. D33—8)



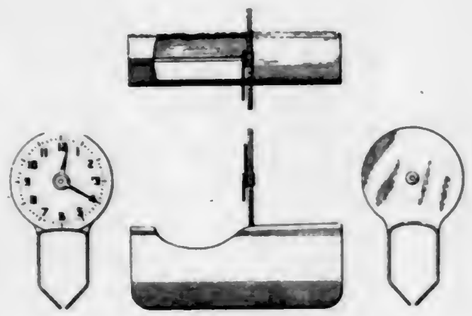
The ornamental design for a combined tie rack and drawer, substantially as shown.

145,823
DESIGN FOR A WATCHCASE
Joseph Shemanski, Los Angeles, Calif.
Application March 29, 1946, Serial No. 128,075
Term of patent 3½ years
(Cl. D42—8)



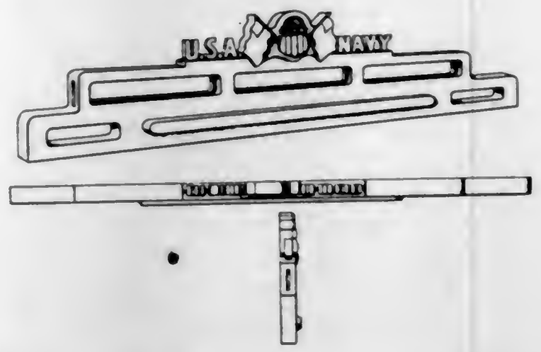
The ornamental design for a watchcase, as shown.

145,824
DESIGN FOR A TIMING INDICATOR FOR PROCESSING DENTAL PLASTICS
Earl D. Stiles, West Sand Lake, N. Y.
Application March 21, 1946, Serial No. 127,759
Term of patent 3½ years
(Cl. D42—7)



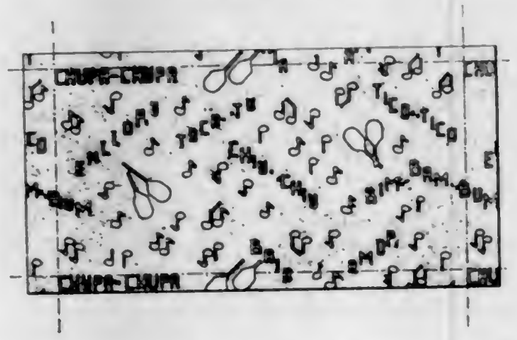
The ornamental design for a timing indicator for processing dental plastics, as shown.

145,825
DESIGN FOR AN INSIGNIA EXHIBITOR
Roy E. Tilford, Garland, Tex.
Application December 3, 1945, Serial No. 124,274
Term of patent 3½ years
(Cl. D80—9)



The ornamental design for an insignia exhibitor, as shown.

145,826
DESIGN FOR A FABRIC OR SIMILAR ARTICLE
Frank G. Ullmann, New York, N. Y.
Application February 28, 1946, Serial No. 126,984
Term of patent 3½ years
(Cl. D92—1)



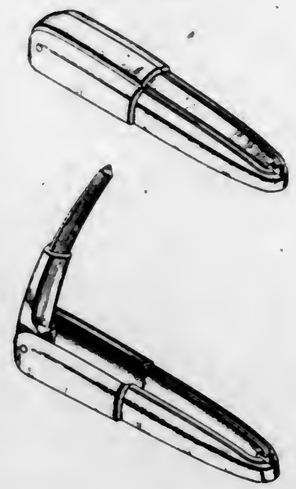
The ornamental design for a fabric or similar article, as shown and described.

145,827
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application March 25, 1946, Serial No. 127,907
Term of patent 3½ years
(Cl. D3—26)



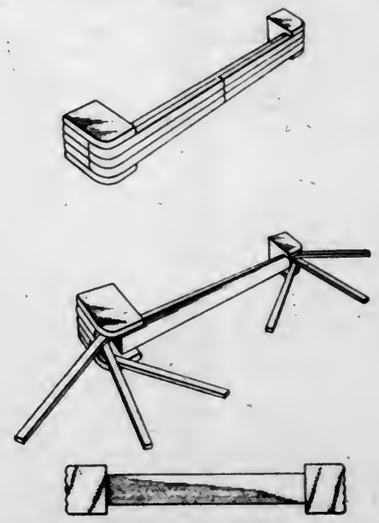
The ornamental design for a dress, substantially as shown.

145,828
DESIGN FOR A DESK WRITING UNIT
Percival White, Long Ridge, N. Y.
Application June 30, 1944, Serial No. 114,274
Term of patent 3½ years
(Cl. D74—1)



The ornamental design for a desk writing unit, substantially as shown.

145,829
DESIGN FOR A TOWEL RACK
Frank J. Whitman, Los Angeles, Calif.
Application September 20, 1945, Serial No. 122,199
Term of patent 3½ years
(Cl. D33—16)



The ornamental design for a towel rack, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Sterile non-pyrogenic solution. Serial No. 482,957; Oct. 22. Class 6.

Abel & Bach, Inc., Milwaukee, Wis. Suitcases. Serial No. 502,780; Oct. 22. Class 3.

American Maize-Products Company, New York, N. Y. Wet-milled corn starch. Serial No. 492,886; Oct. 22. Class 46.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Sachet powders. Serial No. 485,745; Oct. 22. Class 6.

Arkco Sales Company: *See*—
Cox, Andrew S.

Asher & Boretz, Inc., New York, N. Y. Woven cotton fabrics in the greige, bleached or dyed, etc. Serial No. 485,851; Oct. 22. Class 42.

Associated Products, Inc., Chicago, Ill. Face powder, face makeup in liquid form, creams for the hands and face, etc. Serial No. 490,476; Oct. 22. Class 6.

Atlantic Coast Fisheries Company, The, Boston, assignor to Brewer & Company, Inc., Worcester, Mass. Capsules sold in bulk. Serial No. 499,191; Oct. 22. Class 6.

B & T Metals Company, The, Columbus, Ohio. Building trim of extruded metals and various plastic compositions. Serial No. 499,193; Oct. 22. Class 12.

Bemis Bro. Bag Company, St. Louis, Mo. Bags. Serial Nos. 508,020–1; Oct. 22. Class 2.

Bender, Alfred, Mastic, N. Y. Liquid inks for pens and rubber stamps and gold and silver compounds. Serial No. 499,755; Oct. 22. Class 11.

Brewer & Company, Inc., assignee: *See*—
Atlantic Coast Fisheries Company, The.

Bryn Mawr Fruit Growers Association, Bryn Mawr, Calif. Fresh citrus fruits. Serial No. 500,738; Oct. 22. Class 46.

Buffington's Inc., Worcester, Mass. Multiple vitamin preparation. Serial No. 494,022; Oct. 22. Class 6.

Burns, D. Murray, doing business as Embur Drugs, Kansas City, Mo. Protein hydrolysate. Serial Nos. 496,761–2; Oct. 22. Class 6.

Cantor-Greenspan Co., Inc., New York, N. Y. Rayon piece goods. Serial Nos. 496,686–7; Oct. 22. Class 42.

Carson Pirie Scott & Company, Chicago, Ill. Aluminum kitchenware. Serial No. 496,011; Oct. 22. Class 13.

Casa Prima Citrus Company: *See*—
Soloman, Lee C.

Chesty Foods: *See*—
Waulters Potato Chip Co.

Chris-Craft Corporation, Algonac, Mich. Internal combustion engines. Serial No. 499,822; Oct. 22. Class 23.

Ciro, Incorporated, Detroit, Mich. Cameras. Serial No. 496,766; Oct. 22. Class 26.

Cox, Andrew S., doing business as Arkco Sales Company, Little Rock, Ark. Costumers. Serial No. 496,371; Oct. 22. Class 32.

Crucible Steel Company of America, Midland, Pa. Roll forgings. Serial No. 487,032; Oct. 22. Class 14.

Doud, Sybil E., San Francisco, Calif. Face cream. Serial No. 489,796; Oct. 22. Class 6.

Dubbs, Wendell P., Palo Alto, Calif. Small disc calculator for use in estimating volume of ingredients in culinary mixtures in the art of cooking. Serial No. 495,657; Oct. 22. Class 26.

Earhart, Amelia, Luggage: *See*—
Orenstein, Sam.

Electronic Products Manufacturing, Incorporated, Dexter, Mich., now by change of name to Vokar Corporation. Photographic apparatus and equipment. Serial No. 483,846; Oct. 22. Class 26.

Embur Drugs: *See*—
Burns, D. Murray.

Empire Box Corporation, Garfield, N. J. Collapsible glued boxes, cartons, and trays. Serial Nos. 504,888–9; Oct. 22. Class 2.

Firestone Industrial Products Company: *See*—
Firestone Tire & Rubber Company, The.

Firestone Rubber & Latex Products Company: *See*—
Firestone Tire & Rubber Company, The.

Firestone Tire & Rubber Company, The, Akron, Ohio, and Fall River, Mass., doing business as Firestone Rubber & Latex Products Company and Firestone Industrial Products Company. Cushions and padding. Serial No. 486,145; Oct. 22. Class 50.

Footmobile Corporation, New York, N. Y. Roller skates, and parts for roller skates. Serial No. 491,638; Oct. 22. Class 22.

Gallo, E. & J., Winery, Modesto, Calif. Wines. Serial No. 496,376; Oct. 22. Class 47.

Gemsco, Inc., New York, N. Y. Buckles. Serial No. 494,183; Oct. 22. Class 40.

General Laboratories, Inc., St. Louis, Mo. Special enzyme. Serial No. 489,458; Oct. 22. Class 6.

Glam-O-Lash Co., The, San Francisco, Calif. False eyelashes. Serial No. 485,673; Oct. 22. Class 40.

Glowax Company, New York, N. Y. Automobile polish. Serial No. 505,053; Oct. 22. Class 16.

Goldsmith, Louis, Inc., Philadelphia, Pa. Men's lightweight overcoats. Serial No. 499,779; Oct. 22. Class 39.

Gotham Ink & Color Co.: *See*—
Kantor, Samuel T.

Greene, Tweed & Co., New York, N. Y. Machinery packing. Serial No. 508,112; Oct. 22. Class 35.

Green Thumb, Inc., New York, N. Y. Insulated and glazed plant and seed covers. Serial No. 494,838; Oct. 22. Class 50.

Gustafson, Harry M., Chicago, Ill. Adjustable kitchen knives. Serial No. 500,079; Oct. 22. Class 23.

Heggenhaugen, Kenneth B., Minneapolis, Minn. Candy. Serial No. 498,008; Oct. 22. Class 46.

Heinemann, Frank, assignee: *See*—
Smith, Faye.

Hollywogue Ties, Los Angeles, Calif. Men's neckties. Serial No. 495,742; Oct. 22. Class 39.

Howard Manufacturing Corporation, Council Bluffs, Iowa. Skate wheels. Serial No. 496,964; Oct. 22. Class 22.

Huiskamp Bros. Co., Keokuk, Iowa. Women's shoes. Serial No. 496,510; Oct. 22. Class 39.

Intercontinental Marketing Company, assignor to Intercontinental Marketing Corporation, New York, N. Y. Photographic goods. Serial No. 485,500; Oct. 22. Class 26.

Intercontinental Marketing Corporation: *See*—
Intercontinental Marketing Company.

Italian Cook Oil Corp., Brooklyn, N. Y. Corn and cottonseed oil. Serial No. 484,957; Oct. 22. Class 46.

Josephson & Sharp Mfg. Company, Glendale, Calif. Pyrophoric cigarette lighters. Serial No. 502,300; Oct. 22. Class 34.

Kantor, Samuel T., doing business as Gotham Ink & Color Co., Long Island City, N. Y. Rotogravure inks; coatings and varnishes for rotogravure application; and varnishes, etc. Serial No. 491,480; Oct. 22. Class 11.

Kendall, Company, The, Walpole, Mass. Cloth rolls for use as surgical dressings. Serial No. 508,291; Oct. 22. Class 44.

Kent-Moore Organization, Inc., Detroit, Mich. Electric arc welders. Serial No. 489,969; Oct. 22. Class 21.

King Arthur Yarn Co., New York, N. Y. Art needlework yarns. Serial No. 490,950; Oct. 22. Class 43.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglasses and spectacle frames. Serial No. 502,583; Oct. 22. Class 26.

Lady Royal Mfg. Co., Inc., New York, N. Y. Ladies' slips, panties, brassières, etc. Serial No. 495,032; Oct. 22. Class 39.

Lane Publishing Co., San Francisco, Calif. Books and pamphlets. Serial No. 486,532; Oct. 22. Class 38.

Lavinsky, Moses, Medford, N. J. Cotton fiber yarn. Serial No. 495,976; Oct. 22. Class 43.

Lipscomb, Josie, Denver, Colo. Tissue cream, cleansing cream and bleach cream. Serial No. 488,595; Oct. 22. Class 6.

Little Sport Togs Mfg. Co., New York, N. Y. Boys', girls', children's, and infants' wash dresses and suits, coveralls, etc. Serial No. 485,024; Oct. 22. Class 39.

Lowell Lingerie Company, Lowell, Mass. Slips for women, misses, and girls. Serial No. 500,401; Oct. 22. Class 39.

Mac's Super Gloss Co., Los Angeles, Calif. White tire coating having an enamel base. Serial No. 491,104; Oct. 22. Class 16.

Magee-Kirby Company, Beverly Hills, Calif. Poker chip dispensers. Serial No. 507,060; Oct. 22. Class 22.

Maguire Industries, Incorporated, Bridgeport, Conn. Wooden toy sub-machine guns. Serial No. 490,499; Oct. 22. Class 22.

Marathon Corporation, Rothschild, Wis. Bags. Serial No. 507,737; Oct. 22. Class 2.

Markwell Mfg. Co., Inc., New York, N. Y. Hand-carried punches. Serial No. 496,254; Oct. 22. Class 37.

Mayco Sales, Inc., New York, N. Y. Compacts. Serial No. 488,162; Oct. 22. Class 2.

Mavest, Inc., New York, N. Y. Women's and men's suits, coats, and pants. Serial No. 500,103; Oct. 22. Class 39.

Mehnert, Raymond, doing business as Ray's Bait Company, Alliance, Ohio. Artificial fishing bait. Serial No. 508,063; Oct. 22. Class 22.

Miller, H. W., Cosmetic Company: *See*—
Miller, Henry W.

Miller, Henry W., doing business as H. W. Miller Cosmetic Company, Glendale, Calif. Perfumes, colognes, hair oil, etc. Serial No. 484,417; Oct. 22. Class 6.

Mondex, Inc., New York, N. Y. Foundation garments and brassières. Serial No. 497,321; Oct. 22. Class 39.

Murray, Edgar A., Co., Detroit, Mich. Poison for animals such as mice. Serial No. 489,821; Oct. 22. Class 6.
Murray, Edgar A., Co., Detroit, Mich. Poison for animals such as rats. Serial No. 489,823; Oct. 22. Class 6.
National Starch Products Inc., New York, N. Y. Sizings for textiles and paper, glues, and pastes. Serial No. 484,058; Oct. 22. Class 5.
Orenstein, Sam, doing business as Amelia Earhart Luggage, Newark, N. J. Luggage. Serial No. 490,207; Oct. 22. Class 3.
Pakula and Company, Chicago, Ill. Billfolds. Serial No. 498,793; Oct. 22. Class 3.
Palay, S. T., Textile Corporation, New York, N. Y. Piece goods made of spun rayon and wool. Serial No. 489,747; Oct. 22. Class 42.
Palay, S. T., Textile Corporation, New York, N. Y. Fabrics of silk and rayon. Serial No. 489,754; Oct. 22. Class 42.
Parke, Davis & Company, Detroit, Mich. Surgical lubricant. Serial No. 498,445; Oct. 22. Class 6.
Peerless Tube Company, Bloomfield, N. J. Collapsible tubes. Serial No. 506,956; Oct. 22. Class 2.
Phillips Petroleum Company, Bartlesville, Okla. Portable repair kits for repairing inner tire tubes, etc. Serial No. 468,729; Oct. 22. Class 35.
Planet Products, Inc., Chicago, Ill. Portable electric stoves and hot plates. Serial No. 499,800; Oct. 22. Class 21.
Plant Products Company, assignor to Plant Products Corporation, Blue Point, N. Y. Insecticides. Serial No. 483,784; Oct. 22. Class 6.
Plant Products Corporation, assignee: *See*—
Plant Products Company.
Plastron, Inc., New York, N. Y. Plastic film. Serial No. 489,983; Oct. 22. Class 42.
Premier Industries, Inc., Cincinnati, Ohio. Soda straws. Serial No. 497,410; Oct. 22. Class 50.
Ray's Bait Company: *See*—
Mehnert, Raymond.
Riner Artificial Bait Co.: *See*—
Riner, T. H.
Riner, T. H., doing business as Riner Artificial Bait Co., Bakersfield, Calif. Fishing lures. Serial No. 507,938; Oct. 22. Class 22.
Rochias, Francois, Billom, France. Garlic. Serial No. 494,284; Oct. 22. Class 46.
Rodney, Earle H., New York, N. Y. Body deodorants. Serial No. 492,464; Oct. 22. Class 6.
Sani-Rug Co., Chicago, Ill. Powder for dry cleaning rugs and carpets. Serial No. 482,181; Oct. 22. Class 4.
Schwab, Armand, & Co., Inc., New York, N. Y. Hat braids. Serial No. 498,256; Oct. 22. Class 40.
Siegel, A. L., Co., Inc., New York, N. Y. Closet accessories. Serial No. 496,110; Oct. 22. Class 2.
Smith, Faye, doing business as Sports Woman, New York, assignor to F. Heinemann, Garden City, N. Y. Perfumes, and toilet water, eau de cologne, etc. Serial No. 491,519; Oct. 22. Class 6.
Soloman, Lee C., doing business as Casa Prima Citrus Company, San Francisco, Calif. Berkshire sauce, Worcestershire sauce, garlic sauce, etc. Serial No. 486,819; Oct. 22. Class 46.
Sons Shoe Company, Bonne Terre and St. Louis, Mo. Ladies' and misses' shoes. Serial No. 496,737; Oct. 22. Class 39.
Spatz Bros., Inc., New York, N. Y. Ladies' raincoats. Serial No. 496,582; Oct. 22. Class 39.
Sports Women: *See*—
Smith, Faye.
Stern, Yermie, New York, N. Y. Electrical equipment. Serial No. 498,728; Oct. 22. Class 21.
Sutter Belle Packing Company: *See*—
Wilder, Ernest W.
Symphonic Toy Company, Philadelphia, Pa. Toy xylophones. Serial No. 501,610; Oct. 22. Class 22.
Terrell, Ethel L., Brooklyn, N. Y. Ladies' hand bags. Serial No. 508,254; Oct. 22. Class 3.
Thiele, G. W., Co., Shannon, Ill. Unpopped popcorn. Serial No. 490,553; Oct. 22. Class 46.
United States Printing & Lithograph Company, The, Norwood, Ohio. Printed labels for packaged foods. Serial No. 498,186; Oct. 22. Class 38.
Value Merchandise Sales Co. Inc., New York, N. Y. Ric-rac, bias binding, seam binding, etc. Serial No. 496,997; Oct. 22. Class 40.
Van Buren County Fruit Exchange, Hartford, Mich. Fresh citrus and deciduous fruits and fresh vegetables. Serial No. 492,294; Oct. 22. Class 46.
Verney Fabrics Corporation, New York, N. Y. Piece goods of natural and synthetic fibres and mixtures thereof, etc. Serial No. 483,399; Oct. 22. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods of natural and synthetic fibres and mixtures thereof, etc. Serial No. 483,597; Oct. 22. Class 42.
Vesto Company, The, Kansas City, Mo. Fishing tackle. Serial No. 492,602; Oct. 22. Class 22.
Vigorol Co. Inc., Brooklyn, N. Y. Preparations for treating and beautifying the hair; treating the scalp; mud packs; etc. Serial No. 496,998; Oct. 22. Class 6.
Vokar Corporation: *See*—
Electronic Products Manufacturing, Incorporated.
Volcano Burner Corporation, New York, N. Y. Oil burners. Serial No. 501,218; Oct. 22. Class 34.
Waulters Potato Chip Co., Milwaukee, Wis., now by change of name, Chesty Foods, Terre Haute, Ind. Potato chips, popcorn (popped), and shelled nuts. Serial No. 481,090; Oct. 22. Class 46.
Wheeler Paper Corporation, Albany, N. Y. Toilet tissue. Serial No. 492,481; Oct. 22. Class 37.
Whitewater Garment Company, Whitewater, Wis. Outer garments. Serial No. 452,915; Oct. 22. Class 39.
Whitney, F. A., Carriage Company, Leominster, Mass. Clothes hampers. Serial No. 504,413; Oct. 22. Class 2.
Wilder, Ernest W., doing business as Sutter Belle Packing Company, Yuba City, Calif. Fresh deciduous fruit. Serial No. 496,492; Oct. 22. Class 46.
Wilson & Co., Inc., Chicago, Ill. Lard. Serial No. 501,103; Oct. 22. Class 46.
Winthrop Chemical Company, Inc., New York, N. Y. Seasoning agent. Serial No. 500,715; Oct. 22. Class 46.
Wright's Automatic Machinery Company, Durham, N. C. Wrapping, sealing, and labeling machines. Serial No. 499,454; Oct. 22. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

Abeles Shirt Company: *See*—
Janov, I., & Company.
Abraham & Straus, Brooklyn, to Abraham & Straus, Inc., New York, N. Y. Gloves. 52,652; re-renewed May 15, 1946. O. G. Oct. 22. Class 39.
Abraham & Straus, Inc.: *See*—
Abraham & Straus.
Adams, J. B., Wenatchee, Wash. Fresh apples. 211,576; renewed Apr. 13, 1946. O. G. Oct. 22. Class 46.
Adirondack Mineral Co., Inc., to Slack Chemical Co., Inc., Carthage, N. Y. Metal preservative. 210,796; renewed Mar. 23, 1946. O. G. Oct. 22. Class 6.
Airpak Limited, London, England. Quilting in the piece. 424,692; Oct. 22; Serial No. 468,334; published July 23, 1946. Class 42.
Alexa, Inc., assignee: *See*—
De Botelho, Martin.
Allied Laboratories, Inc., also doing business as Pitman-Moore Co., Indianapolis, Ind. Parenteral solution of sulfonamides. 424,788; Oct. 22; Serial No. 497,689; published July 16, 1946. Class 6.
Altyme Products, Inc., New York, N. Y. Hair lotion and hair treatment, etc. 424,777; Oct. 22; Serial No. 496,883; published July 16, 1946. Class 6.
Amalgamated Dental Company, Limited, The, London, England. Chemical solutions. 424,748; Oct. 22; Serial No. 494,534; published July 9, 1946. Class 6.
American Bandage Corporation, Chicago, Ill. Pharmaceutical preparations. 424,814; Oct. 22. Class 6.
American Cyanamid & Chemical Corporation, assignor to American Cyanamid Company, New York, N. Y. Chemical plasticizer. 424,734; Oct. 22; Serial No. 492,611; published July 9, 1946. Class 6.
American Cyanamid Company, New York, N. Y. Chemical preparation. 424,699; Oct. 22; Serial No. 475,232; published July 9, 1946. Class 6.
American Cyanamid Company, assignee: *See*—
American Cyanamid & Chemical Corporation.
American Luggage Works: *See*—
Koffler, Sol.
Apex Hosiery Company, Philadelphia, Pa. Ladies' full-fashioned hosiery. 219,998; renewed Oct. 26, 1946. O. G. Oct. 22, Class 39.
Apothecary Associates: *See*—
Baird, Albert H.
Arrowsmith Mfg. Co., Inc., New York, N. Y. Supports for the arches and other parts of the feet. 215,505; renewed July 20, 1946. O. G. Oct. 22. Class 44.
Arrowsmith Mfg. Co., Inc., New York, N. Y. Supports for the arches and other parts of the feet. 217,518; renewed Aug. 31, 1946. O. G. Oct. 22. Class 44.
Associated Grocers Company, Inc., St. Louis, Mo. Coffee. 220,072; renewed Nov. 2, 1946. O. G. Oct. 22. Class 46.
Athol Comb Co., The, New York, N. Y. Toilet sets. 424,701; Oct. 22; Serial No. 477,910; published July 9, 1946. Class 40.
Automotive Gear Works, Inc., Richmond, Ind. Gears, pinions, and shafts. 217,227; renewed Aug. 31, 1946. O. G. Oct. 22. Class 23.
Avon-Fascination Company, New York, N. Y. Magazine published periodically. 424,770; Oct. 22; Serial No. 496,065; published July 23, 1946. Class 38.
Avon Products, Inc., New York, N. Y. Perfumes, toilet water, lipstick, etc. 424,752; Oct. 22; Serial No. 494,780; published July 9, 1946. Class 6.
Ayerst, McKenna & Harrison Limited, Montreal, Quebec, Canada, assignor to Ayerst, McKenna & Harrison Limited, New York, N. Y. Antibiotics. 424,717; Oct. 22; Serial No. 487,496; published July 16, 1946. Class 6.

B–1 Setzler Soda Water Company, Kansas City, Mo. Nonalcoholic, noncereal, maltless beverages. 424,719; Oct. 22; Serial No. 487,818; published July 23, 1946. Class 45.
Baird, Albert H., doing business as Apothecary Associates, Chicago, Ill. Capsules. 424,835; Oct. 22. Class 6.
Balfour, Arthur, & Company, Limited: *See*—
Seebohm & Dieckstahl Ltd.
Banco Corporation, Ltd.: *See*—
Bankers Printing Company.
Bankers Printing Company, to Banco Corporation, Ltd., San Francisco, Calif. Memorandum books, diaries, calendar pads, etc. 213,124; renewed May 18, 1946. O. G. Oct. 22. Class 37.
Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 424,772–3; Oct. 22; Serial Nos. 496,123–4; published July 23, 1946. Class 42.
Beamon, Amos R., doing business as Teknol Products Co., Los Angeles, Calif. Insecticides. 424,736; Oct. 22; Serial No. 492,890; published July 16, 1946. Class 6.
Begley, George, Jr., doing business as Parfum Dalmora, Chicago, Ill. Perfume and cologne. 424,707; Oct. 22; Serial No. 481,308; published June 26, 1945. Class 6.
Beisner, Henry H., New York, N. Y. Anaesthetic compound. 424,737; Oct. 22; Serial No. 493,315; published July 16, 1946. Class 6.
Bernheim Distilling Company: *See*—
Bernheim Distilling Co. Inc.
Bernheim Distilling Co. Inc., to Bernheim Distilling Company, Louisville, Ky. Whisky. 55,232; re-renewed Aug. 7, 1946. O. G. Oct. 22. Class 49.
Birmingham Small Arms Company Limited, The, Birmingham, England. Cycles, motor-cycles, and parts thereof. 50,890; re-renewed Apr. 3, 1946. O. G. Oct. 22. Class 19.
Bristol Laboratories Inc.: *See*—
Cheplin Laboratories Inc.
Brite Star Associates, Inc., New York, N. Y. Baby and hand lotion, pine bubble bath, cologne, toilet water, etc. 424,789; Oct. 22; Serial No. 497,842; published July 23, 1946. Class 6.
Bruce, William G., Milwaukee, Wis. Monthly magazine. 52,316; re-renewed May 8, 1946. O. G. Oct. 22. Class 38.
Buffington's Inc., Worcester, Mass. Diallylbarbituric acid. 424,741; Oct. 22; Serial No. 494,017; published May 14, 1946. Class 6.
Burgoyne, Sidney J., & Sons, Philadelphia, Pa. Note paper and envelopes. 424,807; Oct. 22. Class 37.
Butler, Edgar M., doing business as Butler Engineering Company, New Orleans, La. Chemical preparation. 424,828; Oct. 22. Class 6.
Butler Engineering Company: *See*—
Butler, Edgar M.
California Manufacturing Company, St. Louis, Mo. Sportswear. 424,708; Oct. 22; Serial No. 483,958; published July 23, 1946. Class 39.
Call Publishing Company, The, to Hearst Publications, Incorporated, San Francisco, Calif. Daily newspaper. 220,178; renewed Nov. 2, 1946. O. G. Oct. 22. Class 38.
Care Laboratories, Incorporated, Charlotte, N. C. Synthetic detergent cleaner. 424,790–1; Oct. 22; Serial Nos. 498,112–13; published July 23, 1946. Class 4.
Cavalcade Beauty Preparations Limited, London, England. After shaving lotion, eau de cologne, bath essences, etc. 424,709; Oct. 22; Serial No. 484,085; published July 9, 1946. Class 6.
Charles of the Ritz, Inc., New York, N. Y. Perfumes, toilet waters, dusting powder, etc. 424,697; Oct. 22; Serial No. 472,731; published Nov. 14, 1944. Class 6.
Chassé, Maurice, doing business under the style of Gelex Products Co., Montreal, Quebec, Canada. Liquid compound for dissolving ice in automobile gasoline tanks and carburettors. 424,780; Oct. 22; Serial No. 497,015; published July 23, 1946. Class 6.
Cheplin Laboratories Inc., Syracuse, N. Y., now by change of name, Bristol Laboratories Inc. Nose drops. 424,706; Oct. 22; Serial No. 481,210; published July 2, 1946. Class 6.
Chocolat-Menier: *See*—
La Societe Menier.
Cohn, Leon, doing business as "Parfumerie Forest," Paris, France, to Leon Cohn, New York, N. Y. Perfume, toilet water, face powder, etc. 217,695; renewed Sept. 7, 1946. O. G. Oct. 22. Class 6.
Cohn, Leon, doing business as Parfumerie Forest, Paris, France. Perfume, toilet water, face powder, etc. 219,964; renewed Oct. 26, 1946. O. G. Oct. 22. Class 6.
Cohn, Samuel M., New York, N. Y. Lipsticks. 424,823; Oct. 22. Class 6.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Coconut oil fatty acid monoester of glycerol, etc. 424,738; Oct. 22; Serial No. 493,661; published July 9, 1946. Class 6.
Columbia Naval Stores Company, Savannah, Ga. Gum rosin. 424,800; Oct. 22. Class 1.
Columbia Phonograph Company, Inc., to Columbia Recording Corporation, Bridgeport, Conn. Radio receiving, detecting, and transmitting sets and parts thereof; crystal receiving sets, etc. 220,434; renewed Nov. 9, 1946. O. G. Oct. 22. Class 21.
Columbia Recording Corporation: *See*—
Columbia Phonograph Company, Inc.
Concordade Company, Inc., Providence, R. I. Nonalcoholic, noncereal, maltless beverages. 424,735; Oct. 22; Serial No. 492,762; published July 23, 1946. Class 45.
Consolidated Cosmetics, Chicago, Ill. Lipstick, perfume, brilliantine, etc. 424,750; Oct. 22; Serial No. 494,657; published July 23, 1946. Class 6.
Consolidated Glove & Hosiery Corp., to Moss Stores, Inc., San Francisco, Calif. Hosiery. 207,762; renewed Jan. 12, 1946. O. G. Oct. 22. Class 39.
Consolidated Hat Stores, Ltd.: *See*—
New York Hat Stores, Inc.
Consolidated Millinery Company, Chicago, Ill. Ladies' and children's hats. 424,826; Oct. 22. Class 39.
Cronite Foundry Company, Limited, The: *See*—
Cronite Foundry Company Limited, The.
Cronite Foundry Company Limited, The, to The Cronite Foundry Company, Limited, London, England. Metal and alloys of metal. 214,588; renewed June 29, 1946. O. G. Oct. 22. Class 14.
Darpro Chemical Corporation, Newark, N. J. Titanium compounds. 424,713; Oct. 22; Serial No. 485,814; published July 16, 1946. Class 6.
Davega, Inc., to Davega Stores Corporation, New York, N. Y. Golf balls. 212,149; renewed Apr. 27, 1946. O. G. Oct. 22. Class 22.
Davega Stores Corporation: *See*—
Davega, Inc.
De Botelho, Martin, assignor to Alexa, Inc., New York, N. Y. Perfumes. 424,698; Oct. 22; Serial No. 473,312; published July 9, 1946. Class 6.
Delavan Company, The: *See*—
Schoenhut, A., Company, The.
Delavan, N. B.: *See*—
Schoenhut, A., Company, The.
Deltox Rug Company, Oshkosh, Wis. Wool-fiber and fiber rugs and matting. 219,072; renewed Oct. 12, 1946. O. G. Oct. 22. Class 42.
Diamond Power Specialty Corporation: *See*—
Power Specialty Co.
Distribution and Warehousing Publications Inc., New York, N. Y. Trade magazine. 424,711; Oct. 22; Serial No. 485,076; published July 23, 1946. Class 38.
Dodge, A. W., Clothespin Manufacturing Company, Coudersport, Pa., to The Wallace Corporation, St. Louis County, Mo. Clothes-pins. 56,739; re-renewed Oct. 16, 1946. O. G. Oct. 22. Class 24.
Dominion Chemical Co., Inc., New York, N. Y. Chemical compound. 424,822; Oct. 22. Class 6.
Duplex Fabrics Corporation, New York, N. Y. Rayon piece goods. 424,757; Oct. 22; Serial No. 495,220; published July 23, 1946. Class 42.
Du Pont, E. I., de Nemours and Company: *See*—
Roessler & Hasslacher Chemical Co., The.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Shade cloth. 217,086; renewed Aug. 24, 1946. O. G. Oct. 22. Class 42.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Window shades. 218,938; renewed Oct. 5, 1946. O. G. Oct. 22. Class 32.
E & L Fruit & Produce Distributors, Los Angeles, Calif. Fresh vegetables, fresh citrous fruits, and fresh deciduous fruits. 424,715; Oct. 22; Serial No. 486,568; published July 23, 1946. Class 46.
Eastern Shore of Virginia Produce Exchange, Onley, Va. Fresh berries and vegetables. 219,285; renewed Oct. 12, 1946. O. G. Oct. 22. Class 46.
Eastern Shore of Virginia Produce Exchange, Onley, Va. Sweet and Irish potatoes. 219,587; renewed Oct. 19, 1946. O. G. Oct. 22. Class 46.
Eastman Kodak Company, The, Flemington, N. J., and Rochester, N. Y. Photographic cameras. 424,775; Oct. 22; Serial No. 496,304; published July 23, 1946. Class 26.
Edin, Anna, doing business as Edin & Co., Minneapolis, Minn. Roach powders and other insecticides. 424,781; Oct. 22; Serial No. 497,018; published July 9, 1946. Class 6.
Edin & Co.: *See*—
Edin, Anna.
Efficiency Laboratories, New Orleans, La. Antiseptic powder. 424,712; Oct. 22; Serial No. 485,633; published July 16, 1946. Class 6.
Elars Products, Inc., Richmond, Va. Antiseptic mouth wash and gargle, tooth paste and tooth powder. 424,732; Oct. 22; Serial No. 490,882; published July 9, 1946. Class 6.
Elm Farm Foods Co.: *See*—
Winer, M., & Co.
El Paraiso de Purua, Fuentes Termales, S. A., Mexico City, Mexico. Toilet soap. 424,744; Oct. 22; Serial No. 494,431; published July 23, 1946. Class 4.
El Paraiso de Purua, Fuentes Termales, S. A., Mexico City, Mexico. Toilet beauty and perfumery articles. 424,745; Oct. 22; Serial No. 494,432; published July 9, 1946. Class 6.
El Paraiso de Purua, Fuentes Termales, S. A., Mexico City, Mexico. Toilet beauty and perfumery articles. 424,746; Oct. 22; Serial No. 494,435; published July 9, 1946. Class 6.
Emmy Bouquet Laboratory: *See*—
Mayer, Emmy.

Endo Products Inc., New York, N. Y. Medicinal preparation. 424,721; Oct. 22; Serial No. 489,060; published July 16, 1946. Class 6.

Energ-Ex Company, The: *See*—
Smidler, Reinhold A.

Ewing, Ray, Company, The, South Pasadena, Calif. Vitamin and amino acid supplement. 424,836; Oct. 22. Class 6.

"Exhibitor, The," to Jay Emanuel Publications, Incorporated, Philadelphia, Pa. Semimonthly magazine. 218,624; renewed Sept. 28, 1946. O. G. Oct. 22. Class 38.

Falcon Chemical Co., Pittsburgh, Pa. Medicinal preparation. 424,726; Oct. 22; Serial No. 489,663; published July 16, 1946. Class 6.

Field-Ernst Envelope Company, to Field-Ernst Envelope Company, San Francisco, Calif. Mailing envelopes. 216,677; renewed Aug. 17, 1946. O. G. Oct. 22. Class 37.

First National Laboratories, Inc., Lehighton, Pa. Aromatic spirits of ammonia; balsam de maltha; bay rum, etc. 220,627; renewed Nov. 16, 1946. O. G. Oct. 22. Class 6.

Fleming, Ellen P., New York, N. Y. Magazine column published from time to time. 424,764; Oct. 22; Serial No. 496,023; published July 23, 1946. Class 38.

Fortnum & Mason, Limited, London, England. Golf clubs, golf bags, golf balls, etc. 210,832; renewed Mar. 23, 1946. O. G. Oct. 22. Class 22.

Frank, Murray, & Associates, Chicago, Ill. Vinegar hair rinse. 424,817; Oct. 22. Class 6.

Frank, Murray, & Associates, Chicago, Ill. Pharmaceutical preparations. 424,818; Oct. 22. Class 6.

Freedom-Valvoline Oil Company: *See*—
Valvoline Oil Company.

Galter Products Co., Chicago, Ill. Pyrophoric pocket and table cigar and cigarette lighters. 424,837; Oct. 22. Class 34.

Gelex Products Co.: *See*—
Chassé, Maurice.

Golden Arrow Toiletries, New York, N. Y. Tooth paste. 424,820; Oct. 22. Class 6.

Goodrich Drug Co.: *See*—
Goodrich, Herbert F.

Goodrich, Herbert F., doing business as Goodrich Drug Co., Anoka, to I. E. Mayer, Minneapolis, Minn. Liniment. 213,750; renewed June 1, 1946. O. G. Oct. 22. Class 6.

Goodyear Tire & Rubber Company, The: *See*—
National Cloak & Suit Co.

Graham Bros. & Co., Chicago, Ill., to The Hewitt Soap Company, Inc., Dayton, Ohio. Skin-foods and complexion creams and ointments. 53,041; re-renewed May 22, 1946. O. G. Oct. 22. Class 6.

Gretsch, Fred., Mfg. Co., The, Brooklyn, N. Y. Violin bows. 216,758; renewed Aug. 17, 1946. O. G. Oct. 22. Class 36.

Haas-Miller Corporation, Philadelphia, Pa. Dispersed synthetic rubber. 424,742; Oct. 22; Serial No. 494,066; published July 9, 1946. Class 6.

Haggar Company: *See*—
Haggar, Joseph M.

Haggar, Joseph M., to Haggar Company, Dallas, Tex. Work shirts, pants, and overalls. 214,383; renewed June 22, 1946. O. G. Oct. 22. Class 39.

Hardwick & Magee Company, Philadelphia, Pa. Textile carpets. 218,162–3; renewed Sept. 21, 1946. O. G. Oct. 22. Class 42.

Hearst Publications, Incorporated: *See*—
Call Publishing Company, The.

Hewitt Soap Company, Inc., The: *See*—
Graham Bros. & Co.

Hohnstamm, V. & E., Inc., New York, N. Y. Ginger ale, grape juice, cola soda, carbonated water, mineral water, etc. 424,689; Oct. 22; Serial No. 446,578; published Dec. 16, 1941. Class 45.

Horton & Converse, Los Angeles, Calif. Aqueous suspension of microcrystalline sulfathiazole for topical use. 424,740; Oct. 22; Serial No. 493,872; published July 9, 1946. Class 6.

Horwood, E. H., & Co.: *See*—
Horwood, Edward H.

Horwood, Edward H., New York, N. Y., to E. H. Horwood & Co., Hoboken, N. J. Underwaists. 53,552; re-renewed June 5, 1946. O. G. Oct. 22. Class 39.

House of Hollywood, doing business as Sulfa-Aid Company, Los Angeles, Calif. Cellulose preparation for the treatment of burns, abrasions, etc. 424,808; Oct. 22. Class 6.

House of Lontay, Inc., New York, N. Y. Hair waving preparations and hair lotions. 424,815; Oct. 22. Class 6.

Hritzay, Paul, Edinboro, Pa. Liniment useful in the treatment of rheumatism. 424,747; Oct. 22; Serial No. 494,449; published July 9, 1946. Class 6.

Hubbard, Albert P., doing business as Old Mother Hubbard Dog Food Company, to Old Mother Hubbard Dog Food Co., Inc., Gloucester, Mass. Dog foods. 216,683; renewed Aug. 17, 1946. O. G. Oct. 22. Class 46.

Hudson Valley Rugs Company, New York, N. Y. Rugs and carpets. 424,825; Oct. 22. Class 42.

Hulman & Company, Terre Haute, Ind. Certain named food products. 218,513; renewed Sept. 28, 1946. O. G. Oct. 22. Class 46.

Ideal Cup Corporation, to Lily-Tulip Cup Corporation, New York, N. Y. Paper products. 212,935; renewed May 18, 1946. O. G. Oct. 22. Class 2.

International Fabric Corporation, Boston, Mass. Shoe fabrics. 424,696; Oct. 22; Serial No. 471,559; published Oct. 3, 1944. Class 42.

Janov, I., & Company, Hazleton, Pa., to Abeles Shirt Company, New York, N. Y. Dress, negligee, and work shirts. 213,439; renewed May 25, 1946. O. G. Oct. 22. Class 39.

Jay Emanuel Publications, Incorporated, *See*—
"Exhibitor, The."

Jodkins, Inc., New York, N. Y. Children's jodhpurs, jackets, vests, etc. 424,778; Oct. 22; Serial No. 496,967; published July 23, 1946. Class 39.

Jordan Marsh Company, Boston, Mass. Sheets and pillowcases. 218,518; renewed Sept. 28, 1946. O. G. Oct. 22. Class 42.

Kalleta Manufacturing Co.: *See*—
Kalleta, Walter.

Kalleta, Walter, doing business as Kalleta Manufacturing Co., New Brunswick, N. J. Liniment. 424,754; Oct. 22; Serial No. 494,974; published July 23, 1946. Class 6.

Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Submersion actuators. 424,795; Oct. 22; Serial No. 485,291; published July 23, 1946. Class 26.

Kip, Aldrich & Co., Richmond Hill, N. Y. Medicines, salves, and preparations for the treatment of poison-ivy, etc. 424,833; Oct. 22. Class 6.

Koffler, Sol, doing business as American Luggage Works, Providence, R. I. Hand luggage. 424,804; Oct. 22. Class 3.

Kohlberg, Lottie E., *See*—
Kohlberg, Louis G.

Kohlberg, Louis G., doing business as Lo-Ko Chemical Company, to Lottie E. Kohlberg, doing business as St. Louis Insecticide Co., St. Louis, Mo. Dry cleaner for gloves, ribbons, silks, etc. 220,094; renewed Nov. 2, 1946. O. G. Oct. 22. Class 4.

Koret of California, Inc., San Francisco, Calif. Girls' and women's slacks. 424,806; Oct. 22. Class 39.

Kreisler, Jacques, & Co., New York, N. Y., to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Key cases. 203,677; renewed Sept. 22, 1945. O. G. Oct. 22. Class 3.

Kreisler, Jacques, Manufacturing Corporation: *See*—
Kreisler, Jacques, & Co.

Lankford, Joel E., Suffolk, Va. Stock powders used for horses, cattle, and hogs. 424,739; Oct. 22; Serial No. 493,783; published July 16, 1946. Class 6.

La Societe Menier, to Societe Menier, doing business as Chocolat-Menier, Paris, France. Eating and cooking chocolate. 211,014; renewed Mar. 30, 1946. O. G. Oct. 22. Class 46.

Leitz, E., Inc., New York, N. Y. Photographic appliances and supplies. 424,796–8; Oct. 22. Class 26.

Lemon Grove Citrus Association: *See*—
Lemon Grove Fruit Growers Association.

Lemon Grove Fruit Growers Association, to Lemon Grove Citrus Association, Lemon Grove, Calif. Fresh citrus fruits. 220,660; renewed Nov. 16, 1946. O. G. Oct. 22. Class 46.

Lentheric, Incorporated, New York, N. Y. Men's toiletries. 424,776; Oct. 22; Serial No. 496,645; published July 16, 1946. Class 6.

Les Parfums de Dana, Inc., New York, N. Y. Toilet preparations, perfumery, and cosmetics. 424,703; Oct. 22; Serial No. 479,629; published May 15, 1945. Class 6.

Lester Piano Company, to Lester Piano Manufacturing Co., Inc., Philadelphia, Pa. Upright and grand pianos. 53,387; re-renewed June 5, 1946. O. G. Oct. 22. Class 36.

Lester Piano Manufacturing Co., Inc.: *See*—
Lester Piano Company.

Levi, Bert, New York, N. Y. Cotton and rayon piece goods. 424,810; Oct. 22. Class 42.

Lily-Tulip Cup Corporation: *See*—
Ideal Cup Corporation.

Lincoln Fabrics Co., New York, N. Y. Rayon piece goods. 424,724; Oct. 22; Serial No. 489,519; published July 23, 1946. Class 42.

Lindsay District Orange Company, Lindsay, Calif. Fresh citrous fruits. 220,463; renewed Nov. 9, 1946. O. G. Oct. 22. Class 46.

Lindsay District Orange Company, Lindsay, Calif. Fresh citrous fruits. 220,920; renewed Nov. 16, 1946. O. G. Oct. 22. Class 46.

Lipic, Jos., Pen Company, St. Louis, Mo. Pencils and writing pens. 424,799; Oct. 22. Class 37.

Little, Calvin W., to Calvin W. Little, New York, N. Y. Medals and badges (jewelry). 54,358; re-renewed June 26, 1946. O. G. Oct. 22. Class 28.

Lo-Ko Chemical Company: *See*—
Kohlberg, Louis G.

Lovell, H. R., doing business as H. R. Lovell and Company, Greenville, Pa. Hair tonic. 424,803; Oct. 22. Class 6.

Lovell, H. R., and Company: *See*—
Lovell, H. R.

Marblehead Lime Company, Chicago, Ill. Mineral supplement for live stock and poultry feed. 424,821; Oct. 22. Class 6.

Mason, Sally, New York, N. Y. Children's and misses' blouses, dresses, jumpers, etc. 424,787; Oct. 22; Serial No. 497,553; published July 23, 1946. Class 39.

Mayer, Emmy, doing business as Emmy Bouquet Laboratory, San Francisco, Calif. After shave lotion. 424,700; Oct. 22; Serial No. 477,746; published July 9, 1946. Class 6.

Mayer, Iva E.: *See*—
Goodrich, Herbert F.

McCormick & Co., Incorporated, Baltimore, Md. Tea. 424,812; Oct. 22. Class 46.

Meyer, L. E.: *See*—
Meyer, Lydia E.

Meyer, Lydia E., doing business as L. E. Meyer, Fresno, Calif. Liquid cleaner for walls, floors, furniture, etc. 424,819; Oct. 22. Class 4.

Mid-Central Fish Company, Kansas City, Mo. Catchup, pickles, pickled onions, etc. 218,002; renewed Sept. 14, 1946. O. G. Oct. 22. Class 46.

Miller-Bryant-Pierce Company, The, Aurora, Ill., to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Inked ribbons and carbon papers. 217,703; renewed Sept. 7, 1946. O. G. Oct. 22. Class 11.

Molassine Company, Ld., The, to The Molassine Company, Limited, London, England. Prepared food and compounds. 52,982; re-renewed May 22, 1946. O. G. Oct. 22. Class 46.

Molassine Company, Limited, The: *See*—
Molassine Company, Ld., The.

Monarch Chemical Company, New York, N. Y. Cereal yeast food. 209,952; renewed Mar. 2, 1946. O. G. Oct. 22. Class 46.

Moss Stores, Inc.: *See*—
Consolidated Glove & Hosiery Corp.

Murray's Superior Products Company, Chicago, Ill. Pressing oil. 424,813; Oct. 22. Class 6.

Musieze Co.: *See*—
Scher, Robert S.

Nardau, Limited, New York, N. Y. Perfumes, toilet water, lipsticks, etc. 424,759; Oct. 22; Serial No. 495,399; published July 9, 1946. Class 6.

National Cloak & Suit Co., New York, N. Y., to The Goodyear Tire & Rubber Company, Inc., Akron, Ohio. Storage batteries. 215,569; renewed July 20, 1946. O. G. Oct. 22. Class 21.

National Paper Company, Atlanta, Ga. Wrapping papers. 220,736; renewed Nov. 16, 1946. O. G. Oct. 22. Class 37.

New York Hat Stores, Inc., to Consolidated Hat Stores, Ltd., Los Angeles, Calif. Hats and caps. 214,897; renewed July 6, 1946. O. G. Oct. 22. Class 39.

Nixon, Stuart & Barker, Peoria, Ill. Medicament for the treatment of female disorders. 424,705; Oct. 22; Serial No. 480,957; published July 16, 1946. Class 6.

Northwest Engineering Company, Green Bay, Wis., to Northwest Engineering Company, Chicago, Ill. Trench excavators, drag-line excavators, hoisting machines, etc. 189,360; renewed Sept. 16, 1944. O. G. Oct. 22. Class 23.

Old Mother Hubbard Dog Food Company: *See*—
Hubbard, Albert P.

Old Mother Hubbard Dog Food Co., Inc.: *See*—
Hubbard, Albert P.

Orr & Sembower, Inc., Reading, Pa. Solid or fluid fuel burning steam and hot water generating units and parts thereof. 424,829–30; Oct. 22. Class 34.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Canvas covered hand luggage and trunks. 424,702; Oct. 22; Serial No. 478,651; published Apr. 24, 1945. Class 3.

Overhamm, Wolf J., doing business as Parfums Adrian, New York, N. Y. Cologne essence and perfume. 424,801; Oct. 22. Class 6.

Pacific Gamble Robinson Co., Seattle, Wash. Fresh roasted peanuts. 424,728; Oct. 22; Serial No. 489,980; published July 9, 1946. Class 46.

Pancara Company, The, Chicago, Ill. Cosmetic make-up remover cream. 424,834; Oct. 22. Class 6.

Paquin, Limited, London, England. Perfume, toilet water, skin lotion, etc. 424,774; Oct. 22; Serial No. 496,148; published July 23, 1946. Class 6.

Parfum L'Orle, Inc., New York, N. Y. Perfumes and toilet waters. 424,727; Oct. 22; Serial No. 489,755; published July 16, 1946. Class 6.

"Parfumerie Forest": *See*—
Cohn, Leon.

Parfumerie Forest: *See*—
Cohn, Leon.

Parfums Adrian: *See*—
Overhamm, Wolf J.

Park & Tilford, New York, N. Y. Rouges and lipsticks. 424,792; Oct. 22; Serial No. 498,168; published July 16, 1946. Class 6.

Passaic Analytical Laboratories, Inc., Passaic, N. J. Solutions to be used for cleaning the surfaces of articles. 424,722; Oct. 22; Serial No. 489,411; published July 23, 1946. Class 4.

Payson Paint & Varnish Corporation: *See*—
Payson Varnish Co., The.

Payson Varnish Co., The, to Payson Paint & Varnish Corporation, New York, N. Y. Paint and varnish remover. 213,277; renewed May 25, 1946. O. G. Oct. 22. Class 16.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Bicarbonate of soda. 53,936; re-renewed June 12, 1946. O. G. Oct. 22. Class 6.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Lye. 56,049; re-renewed Aug. 21, 1946. O. G. Oct. 22. Class 6.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Lye. 56,078; re-renewed Aug. 21, 1946. O. G. Oct. 22. Class 6.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. General cleansing preparation. 215,435; renewed July 20, 1946. O. G. Oct. 22. Class 4.

Peterman, William, Inc., Newark, N. J. Insecticides. 424,729–30; Oct. 22; Serial Nos. 490,208–9; published July 16, 1946. Class 6.

Phelps, Phoebe, Caramel Company: *See*—
Phelps, Phoebe, Caramel Co.

Phelps, Phoebe, Caramel Co., to Phoebe Phelps Caramel Company, Boston, Mass. Fudge. 218,706; renewed Oct. 5, 1946. O. G. Oct. 22. Class 46.

Phillips, Clarence W., doing business as Phillips Machine and Tool Co., Akron, Ohio. Cigarette cases. 424,827; Oct. 22. Class 8.

Phillips Machine and Tool Co.: *See*—
Phillips, Clarence W.

Phillips Petroleum Company, Bartlesville, Okla. Glass and metal cleaner, tire coating or dressing, pre-wax cleaner, etc. 424,694; Oct. 22; Serial No. 468,724; published July 23, 1946. Class 4.

Phillips Petroleum Company, Bartlesville, Okla. Sunglasses. 424,695; Oct. 22; Serial No. 468,726; published July 23, 1946. Class 26.

Phillips Pharmaceutical Products, Inc., Darien, Conn. Liniments to be applied externally. 424,749; Oct. 22; Serial No. 494,629; published July 9, 1946. Class 6.

Pitman-Moore Co.: *See*—
Allied Laboratories, Inc.

Plant Products Company, assignor to Plant Products Corporation, Blue Point, N. Y. Insecticides. 424,805; Oct. 22. Class 6.

Plant Products Corporation: *See*—
Plant Products Company.

Power Specialty Co., to Diamond Power Specialty Corporation, Detroit, Mich. Tools for cleaning steam-boilers. 50,826; re-renewed Apr. 3, 1946. O. G. Oct. 22. Class 23.

Price Hill Laboratory: *See*—
Sanchez, Ramiro.

Prince Matchabelli, Inc., New York, N. Y. Lipsticks. 424,758; Oct. 22; Serial No. 495,249; published July 9, 1946. Class 6.

Princess Peggy, Inc., Peoria, Ill. Ready-to-wear cotton dresses. 424,760; Oct. 22; Serial No. 495,501; published July 23, 1946. Class 39.

Pro-phy-lac-tic Brush Company, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Traveling cases. 217,417; renewed Aug. 31, 1946. O. G. Oct. 22. Class 3.

Protective Coatings Corporation, Belleville, N. J. Water impervious textile fabrics. 424,710; Oct. 22; Serial No. 484,801; published July 23, 1946. Class 42.

Protective Coatings Corporation, Belleville, N. J. Water impervious textile fabrics. 424,809; Oct. 22. Class 42.

Punctuation Perfumes, Inc., Bridgeport, Conn. Perfumes. 424,765; Oct. 22; Serial No. 496,042; published July 23, 1946. Class 6.

Punctuation Perfumes, Inc., Bridgeport, Conn. Perfumes. 424,766; Oct. 22; Serial No. 496,044; published July 23, 1946. Class 6.

Punctuation Perfumes, Inc., Bridgeport, Conn. Perfumes. 424,767–9; Oct. 22; Serial Nos. 496,046–8; published July 23, 1946. Class 6.

Quaker Chemical Products Corporation, Conshohocken, Pa. Organic wetting agents. 424,784; Oct. 22; Serial No. 497,269; published July 23, 1946. Class 6.

Quaker City Rubber Company, Wissinoming, Philadelphia, to Quaker Rubber Corporation, Philadelphia, Pa. Machinery packing. 218,591; renewed Sept. 28, 1946. O. G. Oct. 22. Class 35.

Quaker Maid Mills, Philadelphia, Pa. Knitted rugs. 424,733; Oct. 22; Serial No. 492,395; published July 23, 1946. Class 42.

Quaker Rubber Corporation: *See*—
Quaker City Rubber Company.

Radiator Specialty Company, to Radiator Specialty Company, Charlotte, N. C. Composition for stopping leaks in all hot-water circulating systems. 220,740; renewed Nov. 16, 1946. O. G. Oct. 22. Class 6.

Reiss-Premier Corporation, The: *See*—
Reiss-Premier Pipe Co.

Reiss-Premier Pipe Co., New York, N. Y., to The Reiss-Premier Corporation, West New York, N. J. Pipes. 213,598; renewed June 1, 1946. O. G. Oct. 22. Class 8.
Reproducta, Inc., New York, N. Y. Greeting cards. 424,714; Oct. 22; Serial No. 485,963; published Dec. 11, 1945. Class 38.
Revoc, Inc., New York, N. Y. Bobby pins, hairpins, sachet bags, etc. 424,720; Oct. 22; Serial No. 488,375; published July 16, 1946. Class 40.
Rex Research Corporation, assignee: *See*—
Toledo Rex Spray Company, The.
Reynolds Metals Company: *See*—
United States Foil Co.
Richfield Oil Company, to Richfield Oil Corporation, Los Angeles, Calif. Flushing oil for motors. 216,025; renewed Aug. 3, 1946. O. G. Oct. 22. Class 15.
Richfield Oil Corporation: *See*—
Richfield Oil Company.
Roerig, J. B., and Company, Chicago, Ill. Vitamin preparation. 424,731; Oct. 22; Serial No. 490,701; published July 16, 1946. Class 6.
Roessler & Hasslacher Chemical Co., The, New York, N. Y., to E. I. du Pont de Nemours and Company, Wilmington, Del. Chemical compound for producing hydrogen. 56,594; re-renewed Oct. 9, 1946. O. G. Oct. 22. Class 6.
Rolley, Charles A., doing business as Rolley Perfumes, assignor to Rolley, Inc., San Francisco, Calif. Perfumes, colognes, perfumed powders, etc. 424,755; Oct. 22; Serial No. 495,100; published July 16, 1946. Class 6.
Rolley, Inc., assignee: *See*—
Rolley, Charles A.
Rolley Perfumes: *See*—
Rolley, Charles A.
Rouyer Guillet & Company Limited, London, England. Brandy. 424,743; Oct. 22; Serial No. 494,203; published July 23, 1946. Class 49.
Ruegnitz, Bernard A., Dubuque, Iowa. Ointment. 217,973; renewed Sept. 14, 1946. O. G. Oct. 22. Class 6.
Sabin, Alex., & Sons, New York, N. Y. Watches. 218,214; renewed Sept. 21, 1946. O. G. Oct. 22. Class 27.
Sabin, Alex., & Sons, New York, N. Y. Watches. 218,481; renewed Sept. 28, 1946. O. G. Oct. 22. Class 27.
St. Louis Insecticide Co.: *See*—
Kohlberg, Louis G.
Salomon, A. L., & Co., Inc.: *See*—
Salomon, Abram L.
Salomon, Abram L., to A. L. Salomon & Co., Inc., New York, N. Y. Writing-pens. 27,043; re-renewed Sept. 10, 1945. O. G. Oct. 22. Class 37.
Salsbury's, Dr., Laboratories, Charles City, Iowa. Anthelmintics, antigens, bacterins, etc. 424,802; Oct. 22. Class 6.
Sanchez, Ramiro, doing business as Price Hill Laboratory, Cincinnati, Ohio. General hair tonic and scalp and skin conditioner. 424,753; Oct. 22; Serial No. 494,800; published July 9, 1946. Class 6.
Sanitary Soap Co., Paterson, N. J. Disinfectant and deodorant having incidental cleaning properties. 424,725; Oct. 22; Serial No. 489,533; published July 9, 1946. Class 6.
Scher, Robert S., doing business as Musleze Co., Baltimore, Md. Rub-down and external use liquid. 424,838; Oct. 22. Class 6.
Schoenhut, A., Company, The, Philadelphia, Pa., to N. B. Delaven, doing business as The Delaven Company, Des Moines, Iowa. Toys and toy-circus equipment. 55,653; re-renewed Aug. 21, 1946. O. G. Oct. 22. Class 22.
Scovill Manufacturing Company, Waterbury, Conn. Lamp burners. 28,884; re-renewed Sept. 15, 1946. O. G. Oct. 22. Class 34.
Seaglow Fabrics Corp., New York, N. Y. Cotton and rayon fabrics in the piece. 424,718; Oct. 22; Serial No. 487,806; published July 23, 1946. Class 42.
Seebohm & Dieckstahl Ld., to Arthur Balfour & Company, Limited, Sheffield, England. Steel and iron in bar, rod, rail, sheet, and wire. 54,765; re-renewed June 26, 1946. O. G. Oct. 22. Class 14.
Sharpe & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical product. 424,751; Oct. 22; Serial No. 494,714; published July 23, 1946. Class 6.
Simon Adhesive Products Corp., New York, N. Y. Labels and tags with adhesive backings. 424,824; Oct. 22. Class 37.
Singer, Julius M.: *See*—
Wolverine Bottling Works, The.
Slack Chemical Co., Inc.: *See*—
Adirondack Mineral Co., Inc.
Sledge, T. E., doing business as T. E. Sledge Laboratories, Texas City, Tex. Germicide. 424,832; Oct. 22. Class 6.
Sledge, T. E., Laboratories: *See*—
Sledge, T. E.
Smidler, Reinhold A., doing business as Energ-Ex Company, The, Chicago, Ill. Tablets containing vitamins and minerals. 424,779; Oct. 22; Serial No. 496,993; published July 16, 1946. Class 6.
Smith, L. C., & Corona Typewriters, Inc.: *See*—
Miller-Bryant-Pierce Company.
Sobal Publishing Co. Inc., The, New York, N. Y. Magazines. 424,762; Oct. 22; Serial No. 495,838; published July 23, 1946. Class 38.
Societe Anonyme Dentifrices Di-Oxyne, Paris, France. Dentifrices and products used for the hygiene of the mouth. 177,229; renewed Dec. 11, 1943. O. G. Oct. 22. Class 6.
Societe de Financement Industriel et Commercial (Société Anonyme), Paris, France. Pharmaceutical preparations. 424,723; Oct. 22; Serial No. 489,421; published July 9, 1946. Class 6.
Societe Menier: *See*—
La Societe Menier.
Soules & Soules, Los Angeles, Calif. Textile fabrics in the piece. 424,831; Oct. 22. Class 42.
Squibb, E. R., & Sons, New York, N. Y. Antisera. 424,785; Oct. 22; Serial No. 497,424; published July 16, 1946. Class 6.
Stanley Industries: *See*—
Stanley, J. A.
Stanley, J. A., doing business as Stanley Industries, Seattle, Wash. Powder for killing fleas, lice, and ticks, etc. 424,793; Oct. 22; Serial No. 498,178; published July 16, 1946. Class 6.
Stelos Company, Inc., The, to The Stelos Company, Inc., The, Washington, D. C. Needles for repair work (by hand). 213,639; renewed June 1, 1946. O. G. Oct. 22. Class 40.
Stern Made Dress Co., Inc., Boston, Mass. Maternity dresses. 424,816; Oct. 22. Class 39.
Stewart, Robert S., doing business as Western Distributing Company, Kansas City, Mo. Chemical liquid rust, scale, and grease remover and welder. 424,771; Oct. 22; Serial No. 496,112; published July 16, 1946. Class 6.
Stromberg-Carlson Company: *See*—
Stromberg-Carlson Telephone Mfg. Co.
Stromberg-Carlson Telephone Mfg. Co., to Stromberg-Carlson Company, Rochester, N. Y. Certain telephonic instruments and apparatus and radio apparatus, parts, and appurtenances. 215,238; renewed July 13, 1946. O. G. Oct. 22. Class 21.
Sulfa-Aid Company: *See*—
House of Hollywood.
Sutterlin, Oscar, Paris, France. Hair dyes and lotions. 215,786; renewed July 27, 1946. O. G. Oct. 22. Class 6.
Swett's, Dr., Root Beer Co., Inc., New York, N. Y. Root beer. 424,716; Oct. 22; Serial No. 486,610; published July 23, 1946. Class 45.
Talmage, Truman E.: *See*—
Underwood, Charles E.
Teknol Products Co.: *See*—
Beamon, Amos R.
Telemac Limited, London, England. Waterproof and rainproof coats, capes, and overalls. 211,614; renewed Apr. 13, 1946. O. G. Oct. 22. Class 39.
Toledo Rex Spray Company, The, assignor to Rex Research Corporation, to Rex Research Corporation, Toledo, Ohio. Insecticide. 218,039; renewed Sept. 21, 1946. O. G. Oct. 22. Class 6.
Turco Products, Inc., Los Angeles, Calif. General purpose cleaning compound. 424,763; Oct. 22; Serial No. 495,917; published July 23, 1946. Class 4.
Underwood, Charles E., to T. E. Talmage, Dayton, Ohio. Candles. 51,978; re-renewed May 1, 1946. O. G. Oct. 22. Class 19.
Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 56,121–3; re-renewed Aug. 28, 1946. O. G. Oct. 22. Class 2.
Union Bag & Paper Corporation: *See*—
Union Bag & Paper Company, The.
United States Foil Co., Louisville, Ky., to Reynolds Metals Company, Richmond, Va. Metallic roofing and laminated roofing. 215,624; renewed July 20, 1946. O. G. Oct. 22. Class 12.
United States Soap Manufacturing: *See*—
Young, Chas. W., & Company.
U. S. Vitamin Corporation, New York, N. Y. Brand of protein hydrolysates, etc. 424,782; Oct. 22; Serial No. 497,140; published July 16, 1946. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 424,786; Oct. 22; Serial No. 497,515; published July 9, 1946. Class 6.
Vad Corporation, The, New York, N. Y. Lipsticks and cleansing creams. 424,690; Oct. 22; Serial No. 456,328; published Mar. 2, 1943. Class 6.
Valvoline Oil Company, Edgewater, N. J., and New York, N. Y., to Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating-oils. 56,816; re-renewed Oct. 23, 1946. O. G. Oct. 22. Class 15.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Magnesium aluminum silicate gel, etc. 424,783; Oct. 22; Serial No. 497,149; published July 16, 1946. Class 6.
Villarreal, Elizabeth, Chicago, Ill. Nonalcoholic, maltless beverage. 424,693; Oct. 22; Serial No. 468,647; published July 23, 1946. Class 45.
Vital Foods Corporation, Evanston, Ill. Medicinal preparation. 424,756; Oct. 22; Serial No. 495,115; published July 16, 1946. Class 6.
Vitamin Products Company, Council Bluffs, Iowa. High vitamin concentrate. 424,811; Oct. 22. Class 6.
Wallace Corporation, The: *See*—
Dodge, A. W., Clothespin Manufacturing Company.
Wesco Products, Inc., Buffalo, N. Y. Cocoanut oil shampoo. 424,761; Oct. 22; Serial No. 495,531; published July 23, 1946. Class 6.

Western Distributing Company: *See*—
Stewart, Robert S.
White, S. S., Dental Manufacturing Company, The: *See*—
White, S. S., Dental Mfg. Co., The.
White, S. S., Dental Mfg. Co., The, Philadelphia, Pa., Chicago, Ill., New York, Brooklyn, and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Investment and impression compounds. 53,360; re-renewed May 29, 1946. O. G. Oct. 22. Class 44.
White, S. S., Dental Mfg. Co., The, Philadelphia, Pa., Chicago, Ill., New York, Brooklyn, and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Cavity-linings. 53,361; re-renewed May 29, 1946. O. G. Oct. 22. Class 44.
White, S. S., Dental Mfg. Co., The, Philadelphia, Pa., Chicago, Ill., New York, Brooklyn, and Rochester, N. Y., Boston, Mass., Atlanta, Ga., New Orleans, La., Toronto, Ontario, Canada, Buenos Aires, Argentina, Berlin, Germany, and St. Petersburg, Russia, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Abrading disks, wheels, and points. 53,566; re-renewed June 5, 1946. O. G. Oct. 22. Class 44.
Wimelbacher & Rice, to Wimelbacher & Rice, Inc., New York, N. Y. Fabric gloves. 208,554; renewed Feb. 2, 1946. O. G. Oct. 22. Class 39.
Wimelbacher & Rice, Inc.: *See*—
Wimelbacher & Rice.
Winer, M., & Co., to Elm Farm Foods Co., Boston, Mass. Canned fruits and vegetables, canned fish; package cereals, etc. 212,170; renewed Apr. 27, 1946. O. G. Oct. 22. Class 46.
Winthrop Chemical Company, Inc., New York, N. Y. Liver, iron, and vitamin B-complex preparation. 424,794; Oct. 22; Serial No. 498,263; published July 9, 1946. Class 6.
Wollstein, Richmond, Rome, Ga. Hosiery. 219,320; renewed Oct. 19, 1946. O. G. Oct. 22. Class 39.
Wolverine Bottling Works, The, to Julius M. Singer, doing business as Wolverine Ginger Ale Company, Detroit, Mich. Nonalcoholic maltless beverage. 214,267; renewed June 15, 1946. O. G. Oct. 22. Class 45.
Wolverine Ginger Ale Company: *See*—
Wolverine Bottling Works, The.
World Products Corporation, New York, N. Y. Vitamin preparations. 424,691; Oct. 22; Serial No. 466,472; published Apr. 4, 1944. Class 6.
Yardstick, Inc., The, New York, N. Y. Piece goods of cotton, rayon, wool, and mixtures of same. 424,704; Oct. 22; Serial No. 480,217; published July 23, 1946. Class 42.
Young, Chas. W., & Co., to G. B. Young, doing business as United States Soap Manufacturing, Philadelphia, Pa. Laundry and powdered soap. 57,309; re-renewed Nov. 13, 1946. O. G. Oct. 22. Class 4.
Young, G. B.: *See*—
Young, Chas. W., & Co.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Rosin, Gum. Columbia Naval Stores Company. 424,800; Oct. 22.

CLASS 2

Bags, Paper. Union Bag & Paper Company. 56,121–3; re-renewed Aug. 28, 1946; O. G. Oct. 22.
Paper products. Ideal Cup Corporation. 212,935; renewed May 18, 1946. O. G. Oct. 22.

CLASS 3

Cases, Key. Jacques Kreisler & Co. 203,677; renewed Sept. 22, 1945. O. G. Oct. 22.
Cases, Traveling. Pro-phy-lac-tic Brush Company. 217,417; renewed Aug. 31, 1946. O. G. Oct. 22.
Luggage and trunks, Canvas covered hand. Oshkosh Trunks and Luggage. 424,702; Oct. 22; Serial No. 478,651; published Apr. 24, 1945.
Luggage, Hand. S. Koffler. 424,804; Oct. 22.

CLASS 4

Cleaner for gloves, ribbons, silks, etc., Dry. L. G. Kohlberg. 220,094; renewed Nov. 2, 1946. O. G. Oct. 22.
Cleaner for walls, floors, furniture, etc., Liquid. L. E. Meyer. 424,819; Oct. 22.
Cleaner, Synthetic detergent. Care Laboratories, Incorporated. 424,790–1; Oct. 22; Serial Nos. 498,112–13; published July 23, 1946.
Cleaner, Tire coating or dressing, pre-wax cleaner, etc., Glass and metal. Phillips Petroleum Company. 424,694; Oct. 22; Serial No. 468,724; published July 23, 1946.
Cleaning compound, General purpose. Turco Products, Inc. 424,763; Oct. 22; Serial No. 495,917; published July 23, 1946.
Cleansing preparation, General. Pennsylvania Salt Manufacturing Company. 215,435; renewed July 20, 1946. O. G. Oct. 22.
Soap, Laundry and powdered. Chas. W. Young & Co. 57,309; re-renewed Nov. 13, 1946. O. G. Oct. 22.
Soap, Toilet. El Paraiso de Purua, Fuentes Termales, S. A. 424,744; Oct. 22; Serial No. 494,431; published July 23, 1946.
Solutions to be used for cleaning the surfaces of articles. Passaic Analytical Laboratories, Inc. 424,722; Oct. 22; Serial No. 489,411; published July 23, 1946.

CLASS 6

Acid, Diallylbarbituric. Buffington's Inc. 424,741; Oct. 22; Serial No. 494,017; published May 14, 1946.
Anaesthetic compound. H. H. Beisner. 424,737; Oct. 22; Serial No. 493,315; published July 16, 1946.
Anthelmintics, antigens, bacterins, etc. Dr. Salsbury's Laboratories. 424,802; Oct. 22.
Antibiotics. Ayerst, McKenna & Harrison Limited. 424,717; Oct. 22; Serial No. 487,496; published July 16, 1946.
Antisera. E. R. Squibb & Sons. 424,785; Oct. 22; Serial No. 497,424; published July 16, 1946.
Aromatic spirits of ammonia; balsam de maltha; bay rum, etc. First National Laboratories, Inc. 220,627; renewed Nov. 16, 1946. O. G. Oct. 22.
Bicarbonate of soda. Pennsylvania Salt Manufacturing Company. 53,936; re-renewed June 12, 1946. O. G. Oct. 22.
Capsules. A. H. Baird. 424,835; Oct. 22.
Cellulose preparation for the treatment of burns, abrasions, etc. House of Hollywood. 424,808; Oct. 22.
Chemical compound. Dominion Chemical Co., Inc. 424,822; Oct. 22.
Chemical compound for producing hydrogen. Roessler & Hasslacher Chemical Co. 56,594; re-renewed Oct. 9, 1946. O. G. Oct. 22.
Chemical plasticizer. American Cyanamid & Chemical Corporation. 424,734; Oct. 22; Serial No. 492,611; published July 9, 1946.
Chemical preparation. American Cyanamid Company. 424,699; Oct. 22; Serial No. 475,232; published July 9, 1946.
Chemical preparation. E. M. Butler. 424,828; Oct. 22.
Chemical solutions. Amalgamated Dental Company, Limited. 424,748; Oct. 22; Serial No. 494,534; published July 9, 1946.
Cologne essence and perfume. W. J. Overhamm. 424,801; Oct. 22.
Composition for stopping leaks in all hot-water circulating systems. Radiator Specialty Company. 220,740; renewed Nov. 16, 1946. O. G. Oct. 22.
Cream, Cosmetic make-up remover. Pancara Company. 424,834; Oct. 22.
Dentifrices and products used for the hygiene of the mouth. Societe Anonyme Dentifrices Di-Oxyne. 177,229; renewed Dec. 11, 1943; O. G. Oct. 22.
Disinfectant and deodorant having incidental cleaning properties. Sanitary Soap Co. 424,725; Oct. 22; Serial No. 489,533; published July 9, 1946.
Dispersed synthetic rubber. Haas-Miller Corporation. 424,742; Oct. 22; Serial No. 494,066; published July 9, 1946.
Dyes and lotions, Hair. O. Sutterlin. 215,786; renewed July 27, 1946. O. G. Oct. 22.
Germicide. T. E. Sledge. 424,832; Oct. 22.
Hair lotion and hair treatment, etc. Altyme Products, Inc. 424,777; Oct. 22; Serial No. 496,883; published July 16, 1946.
Hair rinse, Vinegar. Murray Frank & Associates. 424,817; Oct. 22.
Hair tonic. H. R. Lovell. 424,803; Oct. 22.
Hair waving preparations and hair lotions. House of Lontay, Inc. 424,815; Oct. 22.
Insecticide. Toledo Rex Spray Company. 218,039; renewed Sept. 21, 1946. O. G. Oct. 22.
Insecticides. A. R. Beamon. 424,736; Oct. 22; Serial No. 492,890; published July 16, 1946.
Insecticides. William Peterman, Inc. 424,729–30; Oct. 22; Serial Nos. 490,208–9; published July 16, 1946.
Insecticides. Plant Products Company. 424,805; Oct. 22.
Liniment. H. F. Goodrich. 213,750; renewed June 1, 1946. O. G. Oct. 22.
Liniment. W. Kalleta. 424,754; Oct. 22; Serial No. 494,974; published July 23, 1946.
Liniment useful in the treatment of rheumatism. P. Hritzay. 424,747; Oct. 22; Serial No. 494,449; published July 9, 1946.
Liniments to be applied externally. Phillips Pharmaceutical Products, Inc. 424,749; Oct. 22; Serial No. 494,629; published July 9, 1946.
Lipstick, perfume, brilliantine, etc. Consolidated Cosmetics. 424,750; Oct. 22; Serial No. 494,657; published July 23, 1946.
Lipsticks. S. M. Cohen. 424,823; Oct. 22.

Lipsticks. Prince Matchabelli, Inc. 424,758; Oct. 22; Serial No. 495,249; published July 9, 1946.
Lipsticks and cleansing creams. Vad Corporation. 424,690; Oct. 22; Serial No. 456,328; published Mar. 2, 1943.
Liquid compound for dissolving ice in automobile gasoline tanks and carburetors. M. Chassé. 424,780; Oct. 22; Serial No. 497,015; published July 23, 1946.
Liquid, Rub-down and external use. R. S. Scher. 424,838; Oct. 22.
Liver, iron, and vitamin B-complex preparation. Winthrop Chemical Company, Inc. 424,794; Oct. 22; Serial No. 498,263; published July 9, 1946.
Lotion, After shave. E. Mayer. 424,700; Oct. 22; Serial No. 477,746; published July 9, 1946.
Lotion, eau de cologne, bath essence, etc., After shaving. Cavalcade Beauty Preparations Limited. 424,709; Oct. 22; Serial No. 484,085; published July 9, 1946.
Lotion, pine bubble bath, cologne, toilet water, etc., Baby and hand. Brite Star Associates, Inc. 424,789; Oct. 22; Serial No. 497,842; published July 23, 1946.
Lye. Pennsylvania Salt Manufacturing Company. 56,049; re-renewed Aug. 21, 1946. O. G. Oct. 22.
Lye. Pennsylvania Salt Manufacturing Company. 56,078; re-renewed Aug. 21, 1946. O. G. Oct. 22.
Magnesium aluminum silicate gel, etc. R. T. Vanderbilt Company, Inc. 424,783; Oct. 22; Serial No. 497,149; published July 16, 1946.
Medicament for the treatment of female disorders. Nixon, Stuart & Barker. 424,705; Oct. 22; Serial No. 480,957; published July 16, 1946.
Medicinal preparation. Endo Products Inc. 424,721; Oct. 22; Serial No. 489,060; published July 16, 1946.
Medicinal preparation. Falcon Chemical Co. 424,726; Oct. 22; Serial No. 489,663; published July 16, 1946.
Medicinal preparation. Upjohn Company. 424,786; Oct. 22; Serial No. 497,515; published July 9, 1946.
Medicinal preparation. Vital Foods Corporation. 424,756; Oct. 22; Serial No. 495,115; published July 16, 1946.
Medicines, salves, and preparations for the treatment of poison-ivy, etc. Kip, Aldrich & Co. 424,833; Oct. 22.
Microcrystalline sulfathiaozle for topical use, Aqueous suspension of. Horton & Converse. 424,740; Oct. 22; Serial No. 493,872; published July 9, 1946.
Mineral supplement for live stock and poultry feed. Marblehead Lime Company. 424,821; Oct. 22.
Mouth wash and gargle, tooth paste and tooth powder, Antiseptic. Elars Products, Inc. 424,732; Oct. 22; Serial No. 490,882; published July 9, 1946.
Nose drops. Cheplin Laboratories Inc. 424,706; Oct. 22; Serial No. 481,210; published July 2, 1946.
Oil fatty acid monoester of glycerol, etc., Coconut. Colgate-Palmolive-Peet Company. 424,738; Oct. 22; Serial No. 493,661; published July 9, 1946.
Oil, Pressing. Murray's Superior Products Company. 424,813; Oct. 22.
Ointment. B. A. Ruegnitz. 217,973; renewed Sept. 14, 1946. O. G. Oct. 22.
Perfume and cologne. G. Begley, Jr. 424,707; Oct. 22; Serial No. 481,308; published June 26, 1945.
Perfume, toilet water, face powder, etc. L. Cohn. 217,695; renewed Sept. 7, 1946. O. G. Oct. 22.
Perfume, toilet water, face powder, etc. L. Cohn. 219,964; renewed Oct. 26, 1946. O. G. Oct. 22.
Perfume, toilet water, skin lotion, etc. Paquin, Limited. 424,774; Oct. 22; Serial No. 496,148; published July 23, 1946
Perfumes M. De Botelho. 424,698; Oct. 22; Serial No. 473,312; published July 9, 1946.
Perfumes. Punctuation Perfumes, Inc. 424,765; Oct. 22; Serial No. 496,042; published July 23, 1946.
Perfumes. Punctuation Perfumes, Inc. 424,766; Oct. 22; Serial No. 496,044; published July 23, 1946.
Perfumes. Punctuation Perfumes, Inc. 424,767–9; Oct. 22; Serial Nos. 496,046–8; published July 23, 1946.
Perfumes and toilet waters. Parfum L'Orle, Inc. 424,727; Oct. 22; Serial No. 489,755; published July 16, 1946.
Perfumes, colognes, perfumed powders, etc. C. A. Rolley. 424,755; Oct. 22; Serial No. 495,100; published July 16, 1946.
Perfumes, toilet water, lipstick, etc. Avon Products, Inc. 424,752; Oct. 22; Serial No. 494,780; published July 9, 1946.
Perfumes, toilet water, lipsticks, etc. Nardau, Limited. 424,759; Oct. 22; Serial No. 495,399; published July 9, 1946.
Perfumes, toilet waters, dusting powder, etc. Charles of the Rtiz, Inc. 424,697; Oct. 22; Serial No. 472,731; published Nov. 14, 1944.
Pharmaceutical preparations. American Bandage Corporation. 424,814; Oct. 22.
Pharmaceutical preparations. Murray Frank & Associates. 424,818; Oct. 22.
Pharmaceutical preparations. Societe de Financement Industrial et Commercial (Société Anonyme). 424,723; Oct. 22; Serial No. 489,421; published July 9, 1946.
Pharmaceutical product. Sharpe & Dohme, Incorporated. 424,751; Oct. 22; Serial No. 494,714; published July 23, 1946.
Powder, Antiseptic. Efficiency Laboratories. 424,712; Oct. 22; Serial No. 485,633; published July 16, 1946.
Powder for killing fleas, lice and ticks, etc. J. A. Standley. 424,793; Oct. 22; Serial No. 498,178; published July 16, 1946.
Powders and other insecticides, Roach. A. Edin. 424,781; Oct. 22; Serial No. 497,018; published July 9, 1946.
Powders used for horses, cattle and hogs, Stock. J. E. Lankford. 424,739; Oct. 22; Serial No. 493,783; published July 16, 1946.
Preservative, Metal. Adirondack Mineral Co., Inc. 210,796; renewed Mar. 23, 1946. O. G. Oct. 22.
Protein hydrolysates, etc., Brand of. U. S. Vitamin Corporation. 424,782; Oct. 22; Serial No. 497,140; published July 16, 1946.
Rouges and lipsticks. Park & Tilford. 424,792; Oct. 22; Serial No. 498,168; published July 16, 1946.
Rust, scale and grease remover and welder, Chemical liquid. R. S. Stewart. 424,771; Oct. 22; Serial No. 496,112; published July 16, 1946.
Shampoo, Coconut oil. Wesco Products, Inc. 424,761; Oct. 22; Serial No. 495,531; published July 23, 1946.
Skin-foods and complexion creams and ointments. Graham Bros. & Co. 53,041; re-renewed May 22, 1946. O. G. Oct. 22.
Sulfonamides, Parenteral solution of. Allied Laboratories, Inc. 424,788; Oct. 22; Serial No. 497,689; published July 16, 1946.
Tablets containing vitamins and minerals. R. A. Smidler. 424,779; Oct. 22; Serial No. 496,993; published July 16, 1946.
Titanium compounds. Darpro Chemical Corporation. 424,713; Oct. 22; Serial No. 485,814; published July 16, 1946.
Toilet beauty and perfumery articles. El Paraiso de Purua, Fuentes Termales, S. A. 424,745; Oct. 22; Serial No. 494,432; published July 9, 1948.
Toilet beauty and perfumery articles. El Paraiso de Purua, Fuentes Termales, S. A. 424,746; Oct. 22; Serial No. 494,435; published June 9, 1946.
Toilet preparations, perfumery and cosmetics. Les Parfums de Dana, Inc. 424,703; Oct. 22; Serial No. 479,629; published May 15, 1945.
Toiletries, Men's. Lentheric, Incorporated. 424,776; Oct. 22; Serial No. 496,645; published July 16, 1946.
Tonic and scalp and skin conditioner, General hair. R. Sanchez. 424,753; Oct. 22; Serial No. 494,800; published July 9, 1946.
Tooth paste. Golden Arrow Toiletries. 424,820; Oct. 22.
Vitamin and amino acid supplement. Ray Ewing Company. 424,836; Oct. 22.
Vitamin concentrate, High. Vitamin Products Company. 424,811; Oct. 22.
Vitamin preparation. J. B. Roerig and Company. 424,731; Oct. 22; Serial No. 490,701; published July 16, 1946.
Vitamin preparations. World Products Corporation. 424,691; Oct. 22; Serial No. 466,472; published Apr. 4, 1944.
Wetting agents, Organic. Quaker Chemical Products Corporation. 424,784; Oct. 22; Serial No. 497,269; published July 23, 1946.

CLASS 8

Cigarette cases. C. W. Phillips. 424,827; Oct. 22.
Pipes. Reiss-Premier Pipe Co. 213,598; renewed June 1, 1946. O. G. Oct. 22.

CLASS 11

Ribbons and carbon papers, Inked. Miller-Bryant-Pierce Company. 217,703; renewed Sept. 7, 1946. O. G. Oct. 22.

CLASS 12

Roofing and laminated roofing, Metallic. United States Foil Co. 215,624; renewed July 20, 1946. O. G. Oct. 22.

CLASS 14

Metal and alloys of metal. Cronite Foundry Company Limited. 214,588; renewed June 29, 1946. O. G. Oct. 22.
Steel and iron in bar, rod, rail, sheet and wire. Seebohm & Dickstahl Ld. 54,765; re-renewed June 26, 1946. O. G. Oct. 22.

CLASS 15

Lubricating-oils. Valvoline Oil Company. 56,816; re-renewed Oct. 23, 1946. O. G. Oct. 22.
Oil for motors, Flushing. Richfield Oil Company. 216,025; renewed Aug. 3, 1946. O. G. Oct. 22.

CLASS 16

Paint and varnish remover. Payson Varnish Co. 213,277; renewed May 25, 1946. O. G. Oct. 22.

CLASS 19

Cycles, motor-cycles, and parts thereof. Birmingham Small Arms Company Limited. 50,890; re-renewed Apr. 3, 1946. O. G. Oct. 22.

CLASS 21

Batteries, Storage. National Cloak & Suit Co. 215,569; renewed July 20, 1946. O. G. Oct. 22.
Radio receiving, detecting, and transmitting sets and parts thereof; crystal receiving sets, etc. Columbia Phonograph Company, Inc. 220,434; renewed Nov. 9, 1946. O. G. Oct. 22.
Telephonic instruments and apparatus and radio apparatus, parts, and appurtenances, Certain. Stromberg-Carlson Telephone Mfg. Co. 215,238; renewed July 13, 1946. O. G. Oct. 22.

CLASS 22

Golf balls. Davega, Inc. 212,149; renewed Apr. 27, 1946. O. G. Oct. 22.
Golf clubs, golf bags, golf balls, etc. Fortnum & Mason Limited. 210,832; renewed Mar. 23, 1946. O. G. Oct. 22.
Toys and toy-circus equipment. A. Schoenhut Company. 55,053; re-renewed Aug. 21, 1946. O. G. Oct. 22.

CLASS 23

Excavators, drag-line excavators, hoisting machines, etc., Trench. Northwest Engineering Company. 189,360; renewed Sept. 16, 1944. O. G. Oct. 22.
Gears, pinions, and shafts. Automotive Gear Works, Inc. 217,227; renewed Aug. 31, 1946. O. G. Oct. 22.
Tools for cleaning steam-boilers. Power Specialty Co. 50,826; re-renewed Apr. 3, 1946. O. G. Oct. 22.

CLASS 24

Clothes-pins. A. W. Dodge Clothespin Manufacturing Company. 56,739; re-renewed Oct. 16, 1946. O. G. Oct. 22.

CLASS 26

Actuators, Submersion. Walter Kidde & Company, Inc. 424,795; Oct. 22; Serial No. 485,291; published July 23, 1946.
Cameras, Photographic. Eastman Kodak Company. 424,775; Oct. 22; Serial No. 496,304; published July 23, 1946.
Glasses, Sun. Phillips Petroleum Company. 424,695; Oct. 22; Serial No. 468,726; published July 23, 1946.
Photographic appliances and supplies. E. Leitz, Inc. 424,796–8; Oct. 22.

CLASS 27

Watches. Alex. Sabin & Sons. 218,214; renewed Sept. 21, 1946. O. G. Oct. 22.
Watches. Alex. Sabin & Sons. 218,481; renewed Sept. 28, 1946. O. G. Oct. 22.

CLASS 28

Medals and badges (jewelry). C. W. Little. 54,358; re-renewed June 26, 1946. O. G. Oct. 22.

CLASS 32

Shades, Window. E. I. du Pont de Nemours and Company. 218,938; renewed Oct. 5, 1946. O. G. Oct. 22.

CLASS 34

Generating units and parts thereof, Solid or fluid fuel burning steam and hot water. Orr & Sembower, Inc. 424,829–30; Oct. 22.
Lamp burners. Scovill Manufacturing Company. 28,884; re-renewed Sept. 15, 1946. O. G. Oct. 22.
Lighters, Pyrophoric pocket and table cigar and cigarette. Galter Products Co. 424,837; Oct. 22.

CLASS 35

Machinery packing. Quaker City Rubber Company. 218,591; renewed Sept. 28, 1946. O. G. Oct. 22.

CLASS 36

Pianos, Upright and grand. Lester Piano Company. 53,387; re-renewed June 5, 1946. O. G. Oct. 22.
Violin bows. Fred. Gretsch Mfg. Co. 216,758; renewed Aug. 17, 1946. O. G. Oct. 22.

CLASS 37

Books, diaries, calendar pads, etc., Memorandum. Bankers Printing Company. 213,124; renewed May 18, 1946. O. G. Oct. 22.
Envelopes, Mailing. Field-Ernst Envelope Company. 216,677; renewed Aug. 17, 1946. O. G. Oct. 22.
Labels and tags with adhesive backings. Simon Adhesive Products Corp. 424,824; Oct. 22.
Paper and envelopes, Note. Sidney J. Burgoyne & Sons. 424,807; Oct. 22.
Papers, Wrapping. National Paper Company. 220,736; renewed Nov. 16, 1946. O. G. Oct. 22.
Pencils and writing pens. Jos. Lipic Pen Company. 424,799; Oct. 22.
Writing-pens. A. L. Salomon. 27,043; re-renewed Sept. 10, 1946. O. G. Oct. 22.

CLASS 38

Cards, Greeting. Reproducta, Inc. 424,714; Oct. 22; Serial No. 485,963; published Dec. 11, 1945.
Magazine column published from time to time. E. P. Fleming. 424,764; Oct. 22; Serial No. 496,023; published July 23, 1946.
Magazine, Monthly. W. G. Bruce. 52,316; re-renewed May 8, 1946. O. G. Oct. 22.
Magazine published periodically. Avon-Fascination Company. 424,770; Oct. 22; Serial No. 496,065; published July 23, 1946.
Magazine, Semimonthly. "The Exhibitor." 218,624; renewed Sept. 28, 1946. O. G. Oct. 22, 1946.
Magazine, Trade. Distribution and Warehousing Publications Inc. 424,711; Oct. 22; Serial No. 485,076; published July 23, 1946.
Magazines. Sobal Publishing Co. Inc. 424,762; Oct. 22; Serial No. 495,838; published July 23, 1946.
Newspaper, Daily. Call Publishing Company. 220,178; renewed Nov. 2, 1946. O. G. Oct. 22.

CLASS 39

Blouses, dresses, jumpers, etc., Children's and misses'. S. Mason. 424,787; Oct. 22; Serial No. 497,553; published July 23, 1946.
Coats, capes, and overalls, Waterproof and rainproof. Telemac Limited. 211,614; renewed Apr. 13, 1946. O. G. Oct. 22.
Dresses, Maternity. Stern Made Dress Co., Inc. 424,816; Oct. 22.
Dresses, Ready-to-wear cotton. Princess Peggy, Inc. 424,760; Oct. 22; Serial No. 495,501; published July 23, 1946.
Gloves. Abraham & Straus. 52,652; re-renewed May 15, 1946. O. G. Oct. 22, 1946.
Gloves, Fabric. Wimelbacher & Rice. 208,554; renewed Feb. 2, 1946. O. G. Oct. 22.
Hats and caps. New York Hat Stores, Inc. 214,897; renewed July 6, 1946. O. G. Oct. 22.
Hats, Ladies' and children's. Consolidated Millinery Company. 424,826; Oct. 22.
Hosiery. Consolidated Glove & Hosiery Corp. 207,762; renewed Jan. 12, 1946. O. G. Oct. 22.
Hosiery. R. Wollstein. 219,320; renewed Oct. 19, 1946. O. G. Oct. 22.
Hosiery, Ladies full-fashioned. Apex Hosiery Company. 219,998; renewed Oct. 26, 1946. O. G. Oct. 22.
Jodhpurs, jackets, vests, etc., Children's. Jodkins, Inc. 424,778; Oct. 22; Serial No. 496,967; published July 23, 1946.
Shirts, Dress, negligee, and work. I. Janov & Company. 213,439; renewed May 25, 1946. O. G. Oct. 22.
Shirts, pants, and overalls, Work. J. M. Haggar. 214,383; renewed June 22, 1946. O. G. Oct. 22.
Slacks, Girls' and women's. Koret of California, Inc. 424,806; Oct. 22.
Sportswear. California Manufacturing Company. 424,708; Oct. 22; Serial No. 483,958; published July 23, 1946.
Underwaists. E. H. Horwood. 53,552; re-renewed June 5, 1946. O. G. Oct. 22.

CLASS 40

Needles for repair work (by hand). Stelos Company, Inc. 213,639; renewed June 1, 1946. O. G. Oct. 22.
Pins, hairpins, sachet bags, etc., Bobby. Revoc, Inc. 424,720; Oct. 22; Serial No. 488,375; published July 16, 1946.
Toilet sets. Athol Comb Co. 424,701; Oct. 22; Serial No. 477,910; published July 9, 1946.

CLASS 42

Quilting in the piece. Airpak Limited. 424,692; Oct. 22; Serial No. 468,334; published July 23, 1946.
Carpets, Textile. Hardwick & Magee Company. 218,162–3; renewed Sept. 21, 1946. O. G. Oct. 22.
Cloth, Shade. E. I. du Pont de Nemours and Company. 217,086; renewed Aug. 24, 1946. O. G. Oct. 22.
Cotton and rayon fabrics in the piece. Seaglow Fabrics Corp. 424,718; Oct. 22; Serial No. 487,806; published July 23, 1946.
Cotton and rayon piece goods. B. Levi. 424,810; Oct. 22.
Curtains, Window. Bartmann & Bixer, Inc. 424,772–3; Oct. 22; Serial Nos. 496,123–4; published July 23, 1946.
Fabrics, Shoe. International Fabric Corporation. 424,696; Oct. 22; Serial No. 471,559; published Oct. 3, 1944.
Piece goods of cotton, rayon, wool, and mixtures of same. Yardstick, Inc. 424,704; Oct. 22; Serial No. 480,217; published July 23, 1946.
Rayon piece goods. Duplex Fabrics Corporation. 424,757; Oct. 22; Serial No. 495,220; published July 23, 1946.
Rayon piece goods. Lincoln Fabrics Co. 424,724; Oct. 22; Serial No. 489,519; published July 23, 1946.
Rugs and carpets. Hudson Valley Rugs Company. 424,825; Oct. 22.

Rugs and matting, Wool-fiber and fiber. Deltox Rug Company. 219,072; renewed Oct. 12, 1946. O. G. Oct. 22.
Rugs, Knitted. Quaker Maid Mills. 424,733; Oct. 22; Serial No. 492,395; published July 23, 1946.
Sheets and pillowcases. Jordan Marsh Company. 218,518; renewed Sept. 28, 1946. O. G. Oct. 22.
Textile fabrics in the piece. Soules & Soules. 424,831; Oct. 22.
Textile fabrics, Water impervious. Protective Coatings Corporation. 424,710; Oct. 22; Serial No. 484,801; published July 23, 1946.
Textile fabrics, Water impervious. Protective Coatings Corporation. 424,809; Oct. 22.

CLASS 44

Abrading disks, wheels, and points. S. S. White Dental Mfg. Co. 53,566; re-renewed June 5, 1946. O. G. Oct. 22.
Cavity-linings. S. S. White Dental Mfg. Co. 53,361; re-renewed May 29, 1946. O. G. Oct. 22.
Investment and impression compounds. S. S. White Dental Mfg. Co. 53,360; re-renewed May 29, 1946. O. G. Oct. 22.
Supports for the arches and other parts of the feet. Arrowsmith Mfg. Co., Inc. 215,505; renewed July 20, 1946. O. G. Oct. 22.
Supports for the arches and other parts of the feet. Arrowsmith Mfg. Co., Inc. 217,518; renewed Aug. 31, 1946. O. G. Oct. 22.

CLASS 45

Beverage, Nonalcoholic, maltless. E. Villarreal. 424,693; Oct. 22; Serial No. 468,647; published July 23, 1946.
Beverages, Nonalcoholic, noncereal, maltless. B-1 Setzler Soda Water Company. 424,719; Oct. 22; Serial No. 487,818; published July 23, 1946.
Beverages, Nonalcoholic, noncereal, maltless. Concordade Company, Inc. 424,785; Oct. 22; Serial No. 492,762; published July 23, 1946.
Ginger ale, grape juice, etc. V. & E. Hohnstamm Inc. 424,689; Oct. 22; Serial No. 446,578; published Dec. 16, 1941.
Nonalcoholic maltless beverage. Wolverine Bottling Works. 214,267; renewed June 15, 1946. O. G. Oct. 22.
Root beer. Dr. Swett's Root Beer Co., Inc. 424,716; Oct. 22; Serial No. 486,610; published July 23, 1946.

CLASS 46

Apples, Fresh. J. B. Adams. 211,576; renewed Apr. 13, 1946. O. G. Oct. 22.
Berries and vegetables, Fresh. Eastern Shore of Virginia Produce Exchange. 219,285; renewed Oct. 12, 1946. O. G. Oct. 22.
Candies. C. E. Underwood. 51,978; re-renewed May 1, 1946. O. G. Oct. 22.
Canned fruits and vegetables, canned fish; package cereals. M. Winer & Co. 212,170; renewed Apr. 27, 1946. O. G. Oct. 22.
Catchup, pickles, pickled onions, etc. Mid-Central Fish Company. 218,002; renewed Sept. 14, 1946. O. G. Oct. 22.
Chocolate, Eating and cooking. La Societe Menier. 211,014; renewed Mar. 30, 1946. O. G. Oct. 22.
Coffee. Associated Grocers Company, Inc. 220,072; renewed Nov. 2, 1946. O. G. Oct. 22.
Food, Cereal yeast. Monarch Chemical Company. 209,952; renewed Mar. 2, 1946. O. G. Oct. 22.
Food products, Certain named. Hulman & Company. 218,513; renewed Sept. 28, 1946. O. G. Oct. 22.
Foods, Dog. A. P. Hubbard. 216,683; renewed Aug. 17, 1946. O. G. Oct. 22.
Fruits, Fresh citrous. Lemon Grove Fruit Growers Association. 220,660; renewed Nov. 16, 1946. O. G. Oct. 22.
Fruits, Fresh citrous. Lindsay District Orange Company. 220,463; renewed Nov. 9, 1946. O. G. Oct. 22.
Fruits, Fresh citrous. Lindsay District Orange Company. 220,920; renewed Nov. 16, 1946. O. G. Oct. 22.
Fudge. Phoebe Phelps Caramel Co. 218,706; renewed Oct. 5, 1946. O. G. Oct. 22.
Peanuts, Fresh roasted. Pacific Gamble Robinson Co. 424,728; Oct. 22; Serial No. 489,980; published July 9, 1946.
Potatoes, Sweet and Irish. Eastern Shore of Virginia Produce Exchange. 219,587; renewed Oct. 19, 1946. O. G. Oct. 22.
Prepared food and compounds. Molassine Company, Ld., The. 52,982; re-renewed May 22, 1946. O. G. Oct. 22.
Tea. McCormick & Co., Incorporated. 424,812; Oct. 22.
Vegetables, fresh citrus fruits, and fresh deciduous fruits, Fresh. E & L Fruit & Produce Distributors. 424,715; Oct. 22; Serial No. 486,568; published July 23, 1946.

CLASS 49

Brandy. Rouyer Guillet & Company Limited. 424,743; Oct. 22; Serial No. 494,203; published July 23, 1946.
Whiskey. Bernheim Distilling Co. Inc. 55,232; re-renewed Aug. 7, 1946. O. G. Oct. 22.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc., assignee: *See*—
Swim, Herbert C.

Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 713; Oct. 22.

LIST OF DESIGN PATENTEES

Adams, Arthur F., and N. S. Barger, Chicago, Ill. Radio loud speaker housing or similar article. 145,765; Oct. 22.
Anderson, George W., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 145,766; Oct. 22.
Anderson, George W., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 145,767; Oct. 22.
Andrews, Charles T., Toronto, Ontario, Canada, assignor to Multiple Displays, Inc., New York, N. Y. Display device. 145,768; Oct. 22.
Armstrong, Peter V., assignor to Federal Machine and Welder Company, Warren, Ohio. Glider. 145,769; Oct. 22.
Ayres, Francis L., assignor to Stewart-Warner Corporation, Chicago, Ill. Tool carrier. 145,770; Oct. 22.
Barger, Nathaniel S.: *See*—
Adams, Arthur F., and Barger.
Bassett, George, Los Angeles, Calif. Bar rail fixture. 145,771; Oct. 22.
Bernas, Jacques, New York, N. Y. Bracelet or similar article. 145,783; Oct. 22.
Bjorksten, Johan, Chicago, Ill. Laboratory workbench. 145,784; Oct. 22.
Bjorksten, Johan, Chicago, Ill. Laboratory workbench. 145,785; Oct. 22.
Blickman, S., Inc., assignee: *See*—
Clachko, Josiah S.
Brogan, Frank, Cincinnati, Ohio. Motorcycle. 145,772; Oct. 22.
Bronfman, Benjamin, Lynbrook, N. Y., assignor to The Cofax Corporation. Adhesive tape dispenser. 145,773; Oct. 22.
Burton, Edward F., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 145,774; Oct. 22.
Carter, Cecil F., New York, N. Y. Bracelet. 145,775; Oct. 22.
Carter, Cecil F., New York, N. Y. Bracelet. 145,776; Oct. 22.
Clachko, Josiah S., Ridgefield Park, assignor to S. Blickman, Inc., Weehawken, N. J. Overbed table. 145,777; Oct. 22.
Cofax Corporation, The, assignee: *See*—
Bronfman, Benjamin.
Commander, Josephine A., Washington, D. C. Pen and pencil case. 145,778; Oct. 22.
Davis, Charles S., Brooklyn, N. Y. Combined table and chair. 145,779; Oct. 22.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone desk stand. 145,780; Oct. 22.
Douglas Aircraft Company, Inc., assignee: *See*—
Burton, Edward F.
Duer, Frederick L., Chicago, Ill. Child's chair. 145,781; Oct. 22.
Eagle Pencil Company, assignee: *See*—
Hanle, Benjamin W.
Endsley, James P., Sunnyvale, Calif. Night light. 145,782; Oct. 22.
Engleman, Dorthi, assignor to Carl Gutmann & Co., Inc., New York, N. Y. Polo shirt or similar article. 145,786; Oct. 22.
Federal Machine and Welder Company, assignee: *See*—
Armstrong, Peter V.
Freund, Peter, Jr., North Bergen, N. J. Sweater. 145,787; Oct. 22.
Gass, Walter S., Seward, Nebr. Chair. 145,788; Oct. 22.
General Tire & Rubber Company, The, assignee: *See*—
Anderson, George W.
Golden, Zelma, New York, N. Y. Dress. 145,789; Oct. 22.
Golden, Zelma, New York, N. Y. Dress. 145,790; Oct. 22.
Golden, Zelma, New York, N. Y. Dress. 145,791; Oct. 22.
Golden, Zelma, New York, N. Y. Dress. 145,792; Oct. 22.
Golden, Zelma, New York, N. Y. Dress. 145,793; Oct. 22.
Golden, Zelma, New York, N. Y. Dress. 145,794; Oct. 22.
Golden, Zelma, New York, N. Y. Dress. 145,795; Oct. 22.
Golden, Zelma, New York, N. Y. Dress. 145,796; Oct. 22.
Golden, Zelma, New York, N. Y. Dress. 145,797; Oct. 22.
Goodstein, David M., New York, N. Y. Dress. 145,798; Oct. 22.
Goodstein, David M., New York, N. Y. Dress. 145,799; Oct. 22.
Gutmann, Carl, & Co., Inc., assignee: *See*—
Engleman, Dorthi.
International Standard Electric Corporation, assignee: *See*—
Deakin, Gerald.
Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company. Pen desk stand. 145,804; Oct. 22.
Hooper, Wallace C., Los Angeles, Calif. Toy gun. 145,805; Oct. 22.
House, Walter J., Jr., Dallas, Tex. Radio cabinet. 145,800; Oct. 22.
Hummel, Harold P., Mount Carmel, Pa. Building. 145,801; Oct. 22.
Jackson, Edward H., Jr., assignor to The Thomas Jackson and Son Co., Reading, Pa. Sample display device for twine and the like. 145,802; Oct. 22.
Jackson, Thomas, and Son Co., The, assignee: *See*—
Jackson, Edward H., Jr.
Jones, George M., Jenkintown Manor, Pa. Knife sharpener. 145,803; Oct. 22.
Kahn, Max, New York, N. Y. Mechanical pencil. 145,806; Oct. 22.
Langbert, H. Thomas, New York, N. Y. Dress. 145,807; Oct. 22.
La Pidus, Louis, Brooklyn, N. Y. Drafting table. 145,808; Oct. 22.
Lewis, Max J., Forest Hills, N. Y. Combination desk unit. 145,809; Oct. 22.
Lewis, Morgan J., Philadelphia, Pa. Grill. 145,810; Oct. 22.
Linduska, Noreen, Cicero, Ill. Combined brooch and cosmetic container. 145,811; Oct. 22.
Malkin, Simon, New York, N. Y., assignor to United Cigar-Whelan Stores Corporation. Merchandise display stand. 145,814; Oct. 22.
Marsh, Harold A., Chestnut Hill, Mass. Garment hook. 145,813; Oct. 22.
McClure, Bernard L., Norwalk, Ohio. Hammer head. 145,815; Oct. 22.
Meyers, Marcia M., Poplar Grove, Ill. Cookie cutter. 145,812; Oct. 22.
Multiple Displays, Inc., assignee: *See*—
Andrews, Charles T.
Payne, Edna S., New York, N. Y. Shoe. 145,816; Oct. 22.
Payne, Edna S., New York, N. Y. Combined heel and counter unit for a shoe or similar article. 145,817; Oct. 22.
Payne, Edna S., New York, N. Y. Sandal. 145,818; Oct. 22.
Ramsey, Marguerite H., Brooklyn, N. Y. Cosmetic container. 145,819; Oct. 22.
Reinecke, Jean O., Oak Park, Ill., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Reservoir desk stand. 145,820; Oct. 22.
Roffey, Theodore, Toronto, Ontario, Canada. Combination desk unit. 145,821; Oct. 22.
Rubin, Richard B., Newton Center, Mass. Combined tie rack and drawer. 145,822; Oct. 22.
Sheaffer, W. A., Pen Company, assignee: *See*—
Reinecke, Jean O.
Shemanski, Joseph, Los Angeles, Calif. Watchcase. 145,823; Oct. 22.
Stewart-Warner Corporation, assignee: *See*—
Ayres, Francis L.
Stiles, Earl D., West Sand Lake, N. Y. Timing indicator for processing dental plastics. 145,824; Oct. 22.
Tilford, Roy E., Garland, Tex. Insignia exhibitor. 145,825; Oct. 22.
Ullmann, Frank G., New York, N. Y. Fabric or similar article. 145,826; Oct. 22.
United Cigar-Whelan Stores Corporation, assignee: *See*—
Malkin, Simon.
Walker, Joset, New York, N. Y. Dress. 145,827; Oct. 22.
White, Percival, Long Ridge, N. Y. Desk writing unit. 145,828; Oct. 22.
Whitman, Frank J., Los Angeles, Calif. Towel rack. 145,829; Oct. 22.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adel Precision Products Corp., assignee: *See*—
Kehle, Ottmar A.
Lund, Charles.
Morehouse, Eugene M.

Advance Solvents & Chemical Corporation, assignee: *See*—
Mack, Gerry P., and Klebsattel.

Agins, George, assignor to Arma Engineering Co., Inc., Brooklyn, N. Y. Electrical position control system. 2,409,970; Oct. 22.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Schroeder, Herman O., and Lindquist.

Air Reduction Company, Incorporated, assignee: *See*—
Anderson, James L.

Aktiebolaget Kanthal, assignee: *See*—
Rehnqvist, Nils G.

Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Meyerhans, August.

Aktiengesellschaft Fuer Technische Studien, assignee: *See*—
Ruegg, Rudolf.

Albrecht, Max W., Chicago, Ill. Venetian blind. 2,409,821; Oct. 22.

Alford, Joseph S., Nahant, Mass., assignor to General Electric Company. Centrifugal type compressor. 2,409,837; Oct. 22.

Allen, Everett W., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Door catch. 2,409,822; Oct. 22.

Alter, Harry, Company, The, assignee: *See*—
Cahenzli, Martin T., Jr.

Altman, Clara J., Detroit, Mich. Eyelash buffer. 2,409,823; Oct. 22.

Aluminum Company of America, assignee: *See*—
Osborne, Andrew G.

Amdur, Leon H., Brooklyn, N. Y. Toy rocket gun. 2,409,653; Oct. 22.

American Can Company, assignee: *See*—
Jones, Lyman L.

American Cyanamid Company, assignee: *See*—
Horsfall, John L.
Kropa, Edward L.
Migrdichian, Vartkas.

American Furniture & Toy Company, assignee: *See*—
Schneider, Rudolph G.

American Hoist & Derrick Co., assignee: *See*—
Welsch, Louis A.

American Optical Company, assignee: *See*—
Heijn, Paul C.

American Steel and Wire Company of New Jersey, The, assignee: *See*—
Dougherty, James W.
Lorig, Frank W., Miller, and Robinson.

American Telephone and Telegraph Company, assignee: *See*—
King, Robert W.

American Viscose Corporation, assignee: *See*—
Folmer, Herman C. R.

Amrein, Werner: *See*—
Fischer, Friedrich, and Amrein.

Anderson, Alva E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency detector. 2,409,608; Oct. 22.

Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Billet scarfing method and apparatus. 2,409,654; Oct. 22.

Anderson, Ted R., Puunene, Maui, Hawaii. Internal-combustion engine. 2,409,609; Oct. 22.

Annen, James E., assignor to Sutherland Paper Company, Kalamazoo, Mich. Paper bottles and the like, and manufacture. 2,409,655; Oct. 22.

Arma Engineering Co., Inc., assignee: *See*—
Agins, George.

Armstrong, Leonard J.: *See*—
Bock, L. H., Johnson, and Armstrong.

Arnott, Edward G. F.: *See*—
Slack, Charles M., and Arnott.

Aro Equipment Corporation, The, assignee: *See*—
Fitch, Clifford E.
Shearman, Spicer D.

Austin, Harold S., Dallas, Tex. Hypodermic syringe. 2,409,656; Oct. 22.

Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Inc., New York, N. Y. Multiple crystal holder. 2,409,607; Oct. 22.

Bailey, Grant C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of olefin polymers. 2,490,727; Oct. 22.

Baldwin Locomotive Works, The, assignee: *See*—
Barbour, James P.

Baldwin, Wayne A., Watertown, N. Y., assignor to The New York Air Brake Company. Sander. 2,490,728; Oct. 22.

Barber-Colman Company, assignee: *See*—
Marcellus, Brooks.

Barbour, James P., Philadelphia, Pa., assignor to The Baldwin Locomotive Works. Press. 2,409,824; Oct. 22.

Baringoltz, Bernardo, Pedermar, Argentina. Purifying exhaust gases. 2,409,825; Oct. 22.

Barnes, Arthur: *See*—
Ryan, William H., Barnes, and Husek.

Barnes, Arthur, Waltham, and H. P. Husek, Allston, assignors to Polaroid Corporation, Cambridge, Mass. Forming iodine images. 2,409,923; Oct. 22.

Barnes, James F., trustee: *See*—
Nyberg, Curt E.

Barron, Edward T., Minneapolis, Minn. Differential locking means. 2,409,729; Oct. 22.

Bauer, Russell E., Detroit, Mich. Thread checker. 2,409,924; Oct. 22.

Bauman, William C.: *See*—
Hunter, Melvin J., and Bauman.

Bell Aircraft Corporation, assignee: *See*—
Schwartz, Arthur A.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Anderson, Alva E.
Elliott, Stanley J., Hovgaard, Mallina, and Thomas.
Fritschi, Walter W.
Little, John B.
Samuel, Arthur L.

Bemis Bro. Bag Co., assignee: *See*—
Geimer, William J., and Linda.

Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Eaton, Wilfred A.

Bennett, Harold F., assignor to Eastman Kodak Company, Rochester, N. Y. Catadioptric television projector. 2,409,971; Oct. 22.

Bernstein, Samuel S., Los Angeles, Calif. Chair. 2,409,826; Oct. 22.

Better Packages Incorporated, assignee: *See*—
Krueger, Theodore H.

Birdsall, Edwin H., Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Apparatus for feeding and delivering ammunition blanks. 2,409,657; Oct. 22.

Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Voltage regulation. 2,409,610; Oct. 22.

Blackstone, Henry: *See*—
Hillyer, Curtis, Jr., and Blackstone.

Blanchard, William A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Vibrator lever for pattern mechanism. 2,409,972; Oct. 22.

Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lever for loom pattern mechanism. 2,409,973; Oct. 22.

Blankner, William, Lakewood, Ohio. Holding device. 2,409,827; Oct. 22.

Blaw-Knox Company, assignee: *See*—
Lavett, Charles O., and Kerker.

Blomberg, Martin P., Hinsdale, Ill., and O. J. Stampen, Arlington, Va., assignors to General Motors Corporation, Detroit, Mich. Locomotive underframe. 2,409,730; Oct. 22.

Bloom, Richard A., Kenwood Station, assignor to Oneida, Ltd., Oneida, N. Y. Display table. 2,409,925; Oct. 22.

Bloom, Richard A., Kenwood Station, assignor to Oneida, Ltd., Oneida, N. Y. Display chest. 2,409,926; Oct. 22.

Blue Ridge Glass Corporation, assignee: *See*—
Ingouf, Robert J. A., and Lewis.

Bock, Louis H., Huntingdon Valley, Pa., H. C. E. Johnson, New York, N. Y., and L. J. Armstrong, assignors to Rohm & Haas Company, Philadelphia, Pa. Aminomethyl amidothiazoles. 2,409,828; Oct. 22.

Bodine, Albert G., Los Angeles, Calif. Charge forming method and apparatus for internal-combustion engines. 2,409,611; Oct. 22.

Boisselier, Earl D.: *See*—
Hohmann, Richard K., and Boisselier.

Bolinger, George N., Shelbyville, Ill. Fireplace. 2,409,731; Oct. 22.

Book, Charles R., assignor to The Eyelet Specialty Company, Waterbury, Conn. Cosmetic container. 2,409,658; Oct. 22.

Boon, William R., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Alkylene-bis-ureas. 2,409,829; Oct. 22.

Bowles, Charles, assignee: *See*—
Notman, Clarence A.

Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro vertical. 2,409,659; Oct. 22.

Braunworth, Albert, Queens Village, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing plate clamping mechanism. 2,409,830; Oct. 22.

Breth, Walter J., and R. M. Wormald, assignors to The General Tire and Rubber Company, Akron, Ohio. Tire building machine. 2,409,974; Oct. 22.

Briggs, Walter S., Needham, Mass. Mop yarn and mop made therefrom. 2,409,660; Oct. 22.

Broadbent, Wallace, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Aryl-dicyandiamide production. 2,409,832; Oct. 22.

Brodale, Carl, Humboldt, Iowa. Automatic hitch. 2,409,831; Oct. 22.

Bromilow and Edwards Limited, assignee: *See*—
Kinnaird, James A.

Brooker, Leslie G. S., and R. H. Sprague, assignors to Eastman Kodak Company, Rochester, N. Y. Pyrrole dyes. 2,409,612; Oct. 22.

Brooks, Walter C., Wethersfield, Conn. Wrench holder. 2,409,613; Oct. 22.

Brown Instrument Company, The, assignee: *See*—
Krogh, Anker E.

Browne, Donald B., Harpenden, F. W. Clarke, Totternhoe, and R. H. G. Painter, Dunstable, England, assignors to General Motors Corporation, Detroit, Mich. Screening device for spark plugs. 2,409,732; Oct. 22.

Browning, J. M. & M. S., Company, assignee: *See*—
Browning, Val A.

Browning, Val A., Ogden, Utah, assignor to J. M. & M. S. Browning Company. Repeating firearm. 2,409,733; Oct. 22.

Bruner, Walter M.: *See*—
Gresham, William F., and Bruner.

Bucher, Rudolf, assignor to the Swiss firm of G. Laubscher & Co., Basel, Switzerland. Instrument for blood transfusion. 2,409,734; Oct. 22.

Buice, David E., Sr., Ellenwood, Ga. Heddle bar lock. 2,409,735; Oct. 22.

Burch, Willie D., assignor of one-half to F. Parrott, Oklahoma City, Okla. Acetylene generator. 2,409,833; Oct. 22.

Burgess, John E.: *See*—
Gerhold, Clarence G., and Burgess.

Bush, A. G., assignee: *See*—
Criner, Harry J.

Byers, Harold E.: *See*—
Harrison, John H., and Byers.

Byrket, Otis C., Richmond, Ind. Garment hanger. 2,409,927; Oct. 22.

Cahenzli, Martin T., Jr., assignor to The Harry Alter Company, Chicago, Ill. Combination receiver and dehydrator. 2,409,928; Oct. 22.

Caimi, Joseph D., Everett, Mass. Paper display carton with transparent window. 2,409,736; Oct. 22.

Canadian Copper Refiners Limited, assignee: *See*—
Clark, Charles W., Elkin, and Waltkins.

Canal National Bank of Portland, The, trustee: *See*—
Sawyer, Edward E.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Dobscha, Herman F.
Greulich, Gerald G.
Lankford, Howard Y.

Carstedt, Volney E.: *See*—
Hetzel, Frank L., and Carstedt.

Carter, Franklyn Y., Detroit, Mich., assignor to Detroit Lubricator Company. Refrigerant distributing means. 2,409,661; Oct. 22.

Cattaneo, Alfred G.: *See*—
Evans, Theodore W., and Cattaneo.

Celanese Corporation of America, assignee: *See*—
Lyem, Arthur.

Christensen, Edward C., Denmark, Wis. Towing pole. 2,409,662; Oct. 22.

Christiansen, Walter G., Glen Ridge, and S. E. Harris, Nutley, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Amino alcohol esters of alkyl-substituted alkoxy benzoic acids. 2,409,663; Oct. 22.

Chrysler Corporation, assignee: *See*—
Livar, Allen P.

Clafendetcher, Christ R.: *See*—
Ramstack, Erich F., and Clafendetcher.

Clapp, Roy A., Minneapolis, Minn. Tape moving mechanism. 2,409,834; Oct. 22.

Clark, Charles W., Westmount, E. M. Elkin, Montreal, Quebec, Canada, and G. R. Waltkins, Flemington, N. J., assignors to Canadian Copper Refiners Limited, Montreal East, Quebec, Canada. Producing pure selenium. 2,409,835; Oct. 22.

Clarke, Frederick W.: *See*—
Browne, Donald B., Clarke, and Painter.

Clarke, Thomas B., and F. W. H. Williams, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Chip ejector for heel seat fitting machines. 2,409,737; Oct. 22.

Clarke, William W.: *See*—
Zademach, Erich R., and Clarke.

Cleveland Pneumatic Tool Company, The, assignee: *See*—
Feucht, Albert.
Meyer, Andrew.

Clifford, David G., Palo Alto, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrode support. 2,409,664; Oct. 22.

Cluett, Peabody & Co., Inc., assignee: *See*—
Pfeffer, Edward C., Jr., Tweed, and Jarmak.

Coe, Everett L., Marblehead, Mass., assignor to General Electric Company. Centrifugal type compressor. 2,409,836; Oct. 22.

Cohen, Harold, Elizabeth, N. J. Appliance. 2,409,929; Oct. 22.

Cole, Allen T., and J. B. Duke, Lakeland, Fla., and L. L. McMurray, Lovingston, Va., assignors to Minerals Separation North American Corporation, New York, N. Y. Purification of industrial sands. 2,409,665; Oct. 22.

Collins, Robert A., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Refining sulphate turpentine. 2,409,614; Oct. 22.

Comey, Fred H., assignor to The General Tire & Rubber Company, Akron, Ohio. Bead clamp for pneumatic tires. 2,409,666; Oct. 22.

Composite Rubber Products Corporation, assignee: *See*—
Hoskins, Oakley W.

Conn, C. G., Ltd., assignee: *See*—
Kent, Earle L.

Conner, Clarence L., McFarland, Calif. Reversing mechanism for power operated drills. 2,409,738; Oct. 22.

Continental Can Company, Inc., assignee: *See*—
Punte, William F.

Cooper, Dexter P., Jr.: *See*—
Roger, Howard G., and Cooper.

Copping, Kenneth L. G.: *See*—
Hackett, James W., and Copping.

Corhart Refractories Company, assignee: *See*—
Field, Theodore E.

Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Treatment of primary oleoresin acids. 2,409,930; Oct. 22.

Cress, Jay J., Schenectady, N. Y., assignor to General Electric Company. Crystal mounting. 2,409,838; Oct. 22.

Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Toy. 2,409,839; Oct. 22.

Crompton & Knowles Loom Works, assignee: *See*—
Blanchard, William A.

Curtis Pump Company, assignee: *See*—
Curtis, Russell R.

Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Fuel system. 2,409,931; Oct. 22.

Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Pump pressure control system. 2,409,975; Oct. 22.

Czerner, Severin F., Kings Mill, Tex. Carburetor. 2,409,739; Oct. 22.

Dailey, Hampton J., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,409,667; Oct. 22.

Dailey, Hampton J., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat transfer assembly. 2,409,668; Oct. 22.

Daniel, Thomas A., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for soldering. 2,409,615; Oct. 22.

Dawley, Clarence E.: *See*—
Slack, Charles M., Ehrke, and Dawley.
Slack, Charles M., Pfeiffer, and Dawley.

Dean, David, assignor to Eastman Kodak Company, Rochester, N. Y. Masking color transparencies in mounts. 2,409,976; Oct. 22.

De Benedictis, Aldo: *See*—
Luten, Daniel B., Jr.

De Bruin, Milton H., Washington, D. C., and E. F. Flock, Chevy Chase, Md. Unitary boring and countersinking tool. 2,409,616; Oct. 22.

Derr, Willard A., and M. E. Reagan, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,409,840; Oct. 22.

Detroit Lubricator Company, assignee: *See*—
Carter, Franklyn Y.

Dietert, Harry W., Detroit, Mich. Dilatometer structure. 2,409,669; Oct. 22.

Dilworth, Richard M., Hinsdale, T. O. Lilliquist, Clarendon Hills, and D. H. Queeney, Naperville, Ill., assignors to General Motors Corporation, Detroit, Mich. Locomotive control system. 2,409,740; Oct. 22.

Dobscha, Herman F., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Settling basin for blast furnace cinder runners. 2,409,741; Oct. 22.

Donkin, William F., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,409,841; Oct. 22.

Dostal, Frank A., New Ulm, Minn. Building block lifter. 2,409,932; Oct. 22.

Dougherty, James W., McKeesport, Pa., assignor to The American Steel and Wire Company of New Jersey. Coil supporting arbor. 2,409,742; Oct. 22.

Dow Chemical Company, The, assignee: *See*—
Hunter, Melvin J., and Bauman.
Stober, Kenneth E.

Downing Box Company, assignee: *See*—
Glascoff, Walter G., Jr., and Evert.

Duke, James B.: *See*—
Cole, Allen T., Duke, and McMurray.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Fouiger, John H., and Smith.
Gresham, William F.
Gresham, William F., and Bruner.
Hamblet, Clement H.
Hanford, William E., and Roland.
Howk, Benjamin W., Roland, and Hoehn.
Loder, Donald J., and Gresham.
Martin, Elmore L.
Roedel, Milton J.
Schweitzer, Carl E.

Durrin, Monte K., Little Rock, Ark. Hand loom. 2,409,743: Oct. 22.

Eastman Kodak Company, assignee: *See*—
Bennett, Harold F.
Brooker, Leslie G. S., and Sprague.
Dean, David.
Jensen, Edgar C., Scull, and McNally.
McDowell, Wendell H.
Salo, Martin.

Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,409,842; Oct. 22.

Edgewick Investment Co., assignee: *See*—
Folst, Louis C.

Edmonson, Robert E., Beaumont, Tex. Necktie. 2,409,744; Oct. 22.

Ehrke, Louis F.: *See*—
Slack, Charles M., Ehrke, and Dawley.

Electric Storage Battery Company, The, assignee: *See*—
Smith, William W.

Elkin, Eugene M.: *See*—
Clark, Charles W., Elkin, and Waitkins.

Elliott, Stanley J., Forest Hills, N. Y., O. M. Hovgaard, Murray Hill, N. J., R. F. Mallina, Hastings-on-Hudson, and F. M. Thomas, Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal distributor. 2,409,617; Oct. 22.

Ericsson, Gustaf G. A., assignor to A.-B. Ljussignaler, Lund, Sweden. Recording apparatus. 2,409,745; Oct. 22.

Evans, Harold W., Wilkes-Barre, Pa. Gun mount. 2,409,618; Oct. 22.

Evans, Theodore W., Oakland, and A. G. Cattaneo, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Motor fuels. 2,409,746; Oct. 22.

Evert, Charles W.: *See*—
Glascoff, Walter G., Jr., and Evert.

Ewaldson, Waldemar C., Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand forming apparatus. 2,409,670; Oct. 22.

Eyelet Specialty Company, The, assignee: *See*—
Book, Charles R.

Faust, Jacob, Belleville, N. J., assignor to L. Sonnenborn Sons, Inc. Substantially oil soluble polyalkyl aromatic sulfonates. 2,409,671; Oct. 22.

Feucht, Albert, Garfield Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Adjustable drill mounting. 2,409,843; Oct. 22.

Field, Theodore E., assignor to Cohart Refractories Company, Louisville, Ky. Basic cast refractory. 2,409,844; Oct. 22.

Flock, Ernest F.: *See*—
DeBruin, Milton H., and Flock.

Fischer, Friedrich, Zurich, and W. Amrein, Rumlang, Switzerland. Appliance for measuring the velocity of projectiles. 2,409,672; Oct. 22.

Fischer-Sueffert, Wilhelm, assignee: *See*—
Maurer, Gottfried.

Fisher, Sidney T., Toronto, Ontario, Canada, assignor to Rogers Majestic Corporation, Dover, Del. Suppression of noise in communication systems. 2,409,977; Oct. 22.

Fitch, Clifford E., assignor to The Aro Equipment Corporation, Bryan, Ohio. Lever gun. 2,409,619; Oct. 22.

Fleisher, Harry, and J. Homer, Staten Island, N. Y. Dispensing container. 2,409,933; Oct. 22.

Florence Stove Company, assignee: *See*—
Reeves, Herbert M.

Flory, Leslie E.: *See*—
Morton, George A., and Flory.

Folmer, Herman C. R., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Drying staple fibers. 2,409,747: Oct. 22.

Folst, Louis C., assignor to Edgewick Investment Co., Los Angeles, Calif. Plastic milk carton case. 2,409,748; Oct. 22.

Foote Mineral Company, assignee: *See*—
Meyer, Hughan C., Jr.

Ford Motor Company, assignee: *See*—
Miller, Logan C., and Scarlett.

Foster Wheeler Corporation, assignee: *See*—
Haase, Robert W.

Foulger, John H., and P. E. Smith, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Indicating system. 2,409,749; Oct. 22.

Frawley, Robert N.: *See*—
Martin, Edward J., Grinstead, and Frawley.

Frear, Jenness B., Evanston, assignor to Signode Steel Strapping Company, Chicago, Ill. Bundle and producing the same. 2,409,750; Oct. 22.

Fritschi, Walter W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 2,409,620; Oct. 22.

Frost, Leslie E.: *See*—
Pendleton, Wesley W., and Frost.

Fuel Refining Corporation, assignee: *See*—
Otto, Carl.

Fulke, Frank L., assignor to Frank Prox Company, Inc., Terre Haute, Ind. Mining machine chain. 2,409,978; Oct. 22.

Gardiner, Paul C., Scotia, and J. E. Maynard, Schenectady, N. Y., assignors to General Electric Company. Calibrating device. 2,409,845; Oct. 22.

Gately, Alphonsus P.: *See*—
Stark, William, and Gately.

Geimer, William J., and F. R. Linda, assignors to Bemis Bro. Bag Co., Minneapolis, Minn. Closing bag tube ends. 2,409,621; Oct. 22.

General Electric Company, assignee: *See*—
Alford, Joseph S.
Coe, Everett L.
Cress, Jay J.
Gardiner, Paul C., and Maynard.
Jewell, Richard G.
Moles, Frank J.
Tonks, Lewi.
Valentine, Frank E., and Skillin.
Von Hoorn, Fred G.

General Electric Company Limited, The, assignee: *See*—
Ramsay, Henry T.

General Motors Corporation, assignee: *See*—
Allen, Everett W.
Blomberg, Martin P., and Stampen.
Browne, Donald B., Clarke, and Painter.
Dilworth, Richard M., Liliquist, and Queeney.
Hackett, James W., and Copping.
Hulsing, Kenneth L.
Janes, Russell G.
Martin, Edward J., Grinstead, and Frawley.
Martz, William M.
Ogden, Jack.
Rabezzana, Hector.
Rockafellow, Stuart.

General Tire and Rubber Company, The, assignee: *See*—
Breth, Walter J., and Wormald.
Comey, Fred H.

Gerhold, Clarence G., Chicago, Ill., and J. E. Burgess, Sweeney, Tex., assignors to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,409,751; Oct. 22.

Glascoff, Walter G., Jr., and C. W. Evert, assignors to Downing Box Company, Milwaukee, Wis. Fiberboard container having reinforced ends and integral hinged closure. 2,409,673; Oct. 22.

Glenn, Richard A.: *See*—
Shive, William, and Glenn.

Goodrich, B. F., Company, The, assignee: *See*—
Jones, Paul C., and Mathes.

Goodwin, Percy E., Salmon, Idaho. Load pickup hauling and dumping conveyance. 2,409,752; Oct. 22.

Gorden, Walter L.: *See*—
Mall, Arthur W., and Gorden.

Gottfried, Louis, Bronx, N. Y. Baby chair. 2,409,622; Oct. 22.

Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Gun charger. 2,409,623; Oct. 22.

Granville, Bernard, Los Angeles, Calif. Apparatus for extracting water from atmospheric air. 2,409,624; Oct. 22.

Graybeal, Joseph W., Midland, Tex., assignor to Standard Oil Development Company. Determining permeability of subsurface formations. 2,409,674; Oct. 22.

Greene, Edgeworth, Montclair, assignor to Inter-Seal Corporation, Spring Lake, N. J. Bottle closure. 2,409,846; Oct. 22.

Gregg, Jon, New Hope, Pa. Fountain pen. 2,409,847; Oct. 22.

Gresham, William F.: *See*—
Loder, Donald J., and Gresham.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyaminoacetals. 2,409,675; Oct. 22.

Gresham, William F., and W. M. Bruner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of indole. 2,409,676; Oct. 22.

Greulich, Gerald G., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Twin tube mine clearing snake. 2,409,848; Oct. 22.

Grey, Vernon H., Coventry, England. Bevel protractor. 2,409,849; Oct. 22.

Griffiths, George A.: *See*—
Voity, Maurice, and Griffiths.

Grinstead, Carl E.: *See*—
Martin, Edward J., Grinstead, and Frawley.

Grotenhouse, James T., Orange City, Iowa. Oil burner. 2,409,677; Oct. 22.

Guiberson Corporation, The, assignee: *See*—
Taylor, Raymond G., Jr., and Hooser.

Haase, Robert W., Westfield, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Separator. 2,409,625; Oct. 22.

Haeseler, Kurt W.: *See*—
Snell, Foster De, and Haeseler.

Hackett, James W., Newark, Ohio, and K. L. G. Copping, assignors to General Motors Corporation, Detroit, Mich. Hydraulic feed means. 2,409,850; Oct. 22.

Haddock, Norman H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Perylene derivatives. 2,409,851; Oct. 22.

Haggard, Claude C., and J. B. Meehan, Medford, Oreg. Folding stretcher. 2,409,934; Oct. 22.

Hamblet, Clement H., Gordon Heights, assignor to E. I. du Pont de Nemours & Company. Preparation of soaps. 2,409,678; Oct. 22.

Hammer, Samuel E.: *See*—
Harrington, Michael J., and Hammer.

Hanford, William E., Wilmington, and J. R. Roland, McDaniel Heights, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers of ethylene and halovinyl compounds and their preparation. 2,409,679; Oct. 22.

Hanley, Stanley M., assignee, et al: *See*—
Bixby, William H.

Hanson, Gerald N.: *See*—
Van Auken, Howard C., and Hanson.

Harrah, John L., Akron, Ohio. Piston for internal-combustion engines. 2,409,852; Oct. 22.

Harrington, Michael J., Cleveland, Ohio, and S. E. Hammer, Eagleville, Pa. Bag opening and filling apparatus. 2,409,626; Oct. 22.

Harris, Sidney E.: *See*—
Christiansen, Walter G., and Harris.

Harris Trust and Savings Bank, assignee: *See*—
Lowes, William J.

Harrison, John H., Palos Verdes Estates, and H. E. Byers, Los Angeles, Calif. Valve for hose couplings. 2,409,753; Oct. 22.

Hazeltine Research, Inc., assignee: *See*—
Loughren, Arthur V.
Rado, John A.

Heeter, Colonel C., Butler, Pa. Lathe chuck. 2,409,680; Oct. 22.

Heijn, Paul C., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Optical instrument for examining polarized light. 2,409,853; Oct. 22.

Helgeson, Sten, Renville, Minn. Wrench. 2,409,627; Oct. 22.

Heller, Harold S., Cleveland Heights, Ohio. Stapling machine. 2,409,854; Oct. 22.

Henze, Henry R., Austin, Tex., assignor to Parke, Davis & Company, Detroit, Mich. Obtaining hydantoins. 2,409,754; Oct. 22.

Henze, Henry R., Austin, Tex., assignor to Parke, Davis & Company, Detroit, Mich. Obtaining 5,5-diarylhydantoins. 2,409,755; Oct. 22.

Henze, Henry R., Austin, Tex., assignor to Parke, Davis & Company, Detroit, Mich. Obtaining 5,5-diarylhydantoins. 2,409,756; Oct. 22.

Hercules Powder Company, assignee: *See*—
Collins, Robert A.
Cox, Richard F. B.

Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of coated board. 2,409,628; Oct. 22.

Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of coated board. 2,409,629; Oct. 22.

Heritage, Clark C., and H. E. Walter, assignors to Wood Conversion Company, Cloquet, Minn. Making a coated vegetable-fiber board. 2,409,630; Oct. 22.

Hetzel, Frank L., Hermosa Beach, and V. E. Carstedt, Los Angeles, Calif. Clutch. 2,409,757; Oct. 22.

Hill, Ralph M., Mountainside, and C. H. Watkins, Cranford, N. J., assignors to Standard Oil Development Company. Chemical process. 2,409,681; Oct. 22.

Hillyer, Curtis, Jr., and H. Blackstone, Richmond Hill, N. Y. Gaseous discharge tube. 2,409,855; Oct. 22.

Hindahl, David, Chicago, Ill. Car construction. 2,409,856; Oct. 22.

Hinde & Dauch Paper Company, The, assignee: *See*—
Loth, Gaylord.

Hines, Claude M., Pittsburgh, and J. W. Rush, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Linear generator. 2,409,857; Oct. 22.

Hoe, R., & Co., Inc., assignee: *See*—
Braunworth, Albert.

Hoehn, Harvey H.: *See*—
Howk, Benjamin W., Roland, and Hoehn.

Hohmann, Richard K., Jamaica, N. Y., and E. D. Boisselier, Glen Ellyn, assignors to Sears, Roebuck and Co., Chicago, Ill. Convertible sewing and darning machine. 2,409,758; Oct. 22.

Holley, Earl, assignee, et al.: *See*—
Udale, Stanley M.

Holley, George M., assignee, et al.: *See*—
Udale, Stanley M.

Homer, Jacob: *See*—
Fleisher, Harry, and Homer.

Hongo, Arnie J., McNeal, Ariz. Cigarette maker. 2,409,935; Oct. 22.

Hooker Electrochemical Company, assignee: *See*—
Stuart, Kenneth E.

Hooser, Donald B.: *See*—
Taylor, Raymond G., Jr., and Hooser.

Hopkins, Nevil M., deceased, New York, N. Y.; R. B. Hopkins, executrix, assignor, by mesne assignments, to R. B. Hopkins, S. Lloyd, and M. T. Quigg, as trustees. Nonleak liquid explosive filler system for ammunition. 2,409,858; Oct. 22.

Hopkins, Raymonde B., executrix: *See*—
Hopkins, Nevil M.

Hopkins, Raymonde B., trustee, assignee: *See*—
Hopkins, Nevil M.

Horsfall, John L., assignor to American Cyanamid Company, New York, N. Y. 2-ethylhexyl fluoroacetate. 2,409,859; Oct. 22.

Horton, Lucien B., Independence, and F. C. Speed, Kansas City, Mo., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Gauging and assorting apparatus. 2,409,682; Oct. 22.

Hosking, Oakley W., Monroe, N. Y., assignor to Composite Rubber Products Corporation, Bridgeport, Conn. Direct bonding of rubber to metal. 2,409,759; Oct. 22.

Hovgaard, Ole M.: *See*—
Elliott, Stanley J., Hovgaard, Mallina, and Thomas.

Howe, Ralph F.: *See*—
Vanderbilt, Byron M., and Howe.

Howk, Benjamin W., J. R. Roland, and H. H. Hoehn, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polish compositions. 2,409,683; Oct. 22.

Huber, Ralph L., Seattle, Wash. Hypodermic needle. 2,409,979; Oct. 22.

Huebel, Richard A., Abington, Mass. Shoemaking. 2,409,860; Oct. 22.

Huffsmith, Edwin F., Cook, Wash. Saw set. 2,409,760; Oct. 22.

Hughes, Mary F.: *See*—
Wadsworth, Daniel V., and Hughes.

Hulsing, Kenneth L., Plymouth, assignor to General Motors Corporation, Detroit, Mich. Sleeve valve engine. 2,409,761; Oct. 22.

Hunt, Thomas E. V., Norristown, Pa. Toolmaker's angle block. 2,409,936; Oct. 22.

Hunter, Melvin J., and W. C. Bauman, assignors to The Dow Chemical Company, Midland, Mich. Process and agents for the recovery of magnesium ions from brine. 2,409,861; Oct. 22.

Husek, Helen P.: *See*—
Barnes, Arthur, and Husek.
Ryan, William H., Barnes, and Husek.

Hutchinson, Job, Great Neck, N. Y. Carburetor attachment. 2,409,937; Oct. 22.

Hutchinson, Willis S., St. Paul, Minn., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of chlorine dioxide. 2,409,862; Oct. 22.

Hutter, William H., Chicago, Ill. Pilot trainer. 2,409,938; Oct. 22.

Hyde, Albert F., New York, N. Y. Material clearing attachment for jaw crushing machines. 2,409,863; Oct. 22.

Hyde, Herschel Y.: *See*—
Viland, Clare K., and Hyde.

Imperial Chemical Industries Limited, assignee: *See*—
Boon, William R.
Broadbent, W., and Rose.
Haddock, Norman H.
Shakesby, Leonard, Sutherland, and Smith.
Whetstone, John.

Industrial Patents Corporation, assignee: *See*—
Walter, Charles T., and Newton.

Ingersoll-Rand Company, assignee: *See*—
Plummer, John F., Jr.

Ingouf, Robert J. A., and J. H. Lewis, assignors to Blue Ridge Glass Corporation, Kingsport, Tenn. Gauge. 2,409,864; Oct. 22.

Inter-Seal Corporation, assignee: *See*—
Greene, Edgeworth.

Isaac, Joseph: *See*—
Smith, Fred J., and Isaac.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Martin, Boyd G.

Janes, Russell G., La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich. Controller mechanism. 2,409,762; Oct. 22.

Janiewski, Andrew V., Sebring, Fla. Aircraft launching means. 2,409,763; Oct. 22.

Jarmak, Jack: *See*—
Pfeffer, Edward C., Jr., Tweed, and Jarmak.

Jascoe, Incorporated, assignee: *See*—
Vanderbilt, Bryon M., and Howe.

Jenkins, Tazewell H., Chicago, Ill. Bottle carrier. 2,409,684; Oct. 22.

Jenkinson, Robert L., Teaneck, N. J., assignor to The Marlin Firearms Company, New Haven, Conn. Multiple barrel gun. 2,409,939; Oct. 22.

Jensen, Edgar C., Rochester, H. G. Scull, New York, and J. G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company. Composition for discharge printing. 2,409,980; Oct. 22.

Jessup, Sellers E., Los Angeles, Calif. Piston ring. 2,409,764; Oct. 22.

Jewell, Howard W., Los Angeles, Calif., Pipe joining device. 2,409,865; Oct. 22.

Jewell, Richard G., Swampscott, Mass., assignor to General Electric Company. Direct-current ratio measuring electrical instrument. 2,409,866; Oct. 22.

Johnson, Howard C. E.: *See*—
Bock, L. H., Johnson, and Armstrong.

Jones, Lyman L., Seattle, Wash., assignor to American Can Company, New York, N. Y. Can making machine. 2,409,631; Oct. 22.

Jones, Paul C., near Chagrin Falls, and R. A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Addition products of heterocyclic zinc mercaptides with alkylene imines. 2,409,685; Oct. 22.

Jones, Walter W., El Paso, Tex. Hairpin stand. 2,409,867; Oct. 22.

Joy Manufacturing Company, assignee: *See*—
Simmons, Leon E.

Kahl, Charles N., assignor of one-half to L. A. Sullivan, Jacksonville, Ill. Piston assembly. 2,409,868; Oct. 22.

Kay, Paul, assignor to Ocean City Manufacturing Company, Philadelphia, Pa. Rod to reel connection. 2,409,940; Oct. 22.

Kehle, Ottmar A., West Los Angeles, Calif., assignor to Adel Precision Products Corp. Hydraulic selector valve. 2,409,765; Oct. 22.

Kelley, Joseph J., St. Louis, Mo. Fountain pen. 2,409,869; Oct. 22.

Kent, Earle L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Interval control mechanism. 2,409,941; Oct. 22.

Kerker, Henry F.: *See*—
Lavett, Charles O., and Kerker.

King, Robert W., Short Hills, N. J., assignor to American Telephone and Telegraph Company. Guiding means for self-propelled torpedoes. 2,409,632; Oct. 22.

Kinnaird, James A., Braiswick, near Colchester, assignor to Bromilow and Edwards Limited, Bolton, England. Apparatus for loading and unloading moving floor vehicles. 2,409,870; Oct. 22.

Kirby, Arthur J., assignee: *See*—
McCaffrey, Charles L.

Klebsattel, Charles A.: *See*—
Mack, Gerry P., and Klebsattel.

Knapp, William G., assignor to C. P. Peirce, Evanston, Ill. Winding device. 2,409,942; Oct. 22.

Koskela, Jonas F., Maynard, Mass. Metal type stop motion attachment for looms. 2,409,766; Oct. 22.

Kramer, William: *See*—
Newmark, David, and Kramer.

Krogh, Anker E., Mount Airy, assignor to The Brown Instrument Company, Philadelphia, Pa. Air control instrument. 2,409,871; Oct. 22.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymers of unsaturated compounds and producing same. 2,409,633; Oct. 22.

Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Tape serving machine. 2,409,872; Oct. 22.

Kwon, Doin, Honolulu, Hawaii. Venetian blind. 2,409,943; Oct. 22.

Laidig, Alfred H., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,409,694; Oct. 22.

Lane, Arthur W., Freeport, assignor to Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic controlling means. 2,409,634; Oct. 22.

Langner, Lawrence, New York, N. Y., assignor to the Government of the United States of America, as represented by the Secretary of War and his successors in office. Mine destroyer. 2,409,635; Oct. 22.

Lankford, Howard Y., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Heat exchange. 2,409,873; Oct. 22.

Larson, Edwin C., San Francisco, Calif. Fire escape. 2,409,767; Oct. 22.

Laubscher, G., & Co., Swiss firm of, assignee: *See*—
Bucher, Rudolf.

Laughlin, Kenneth C., Baton Rouge, La., assignor to Standard Oil Development Company. Improving aviation fuels. 2,409,695; Oct. 22.

Lavett, Charles O., Kenmore, and H. F. Kerker, Buffalo, N. Y., assignors, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Liquid level control. 2,409,768; Oct. 22.

Lessmann, Gerhard P., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing construction. 2,409,874; Oct. 22.

Lewis, Joseph H.: *See*—
Ingouf, Robert J. A., and Lewis.

Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,409,696; Oct. 22.

Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Transmitting apparatus for remote control systems. 2,409,697; Oct. 22.

Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Selecting apparatus for remote-control systems. 2,409,698; Oct. 22.

Leyshon, William E., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent glow lamp. 2,409,769; Oct. 22.

Lillquist, Torsten O.: *See*—
Dilworth, Richard M., Lillquist, and Queeney.

Linda, Frank R.: *See*—
Geimer, William J., and Linda.

Lindquist, Arthur W., assignee: *See*—
Schroeder, Herman O., and Lindquist.

Little, John B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Welding machine. 2,409,636; Oct. 22.

Livar, Allen P., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Space heater. 2,409,981; Oct. 22.

Ljussignaler, A.-B., assignee: *See*—
Ericsson, Gustaf G. A.

Lloyd, Samuel, trustee, assignee: *See*—
Hopkins, Nevil M.

Lockheed Aircraft corporation, assignee: *See*—
Sowle, Charles E.

Loder, Donald J., and W. F. Gresham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of cyanomethyl dialkyl orthoformates. 2,409,699; Oct. 22.

Longmate, Ralph B., Detroit, Mich., assignor to Toledo Scale Company, Toledo, Ohio. Liquid metering apparatus. 2,409,982; Oct. 22.

Lorig, Frank W., Lakewood, L. L. Miller, Garfield Heights, and F. E. Robinson, Shaker Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey. Apparatus for continuously processing metal strips. 2,409,770; Oct. 22.

Loselle, Edmond W., Wyandotte, Mich. Skirt hanger. 2,409,700; Oct. 22.

Loth, Gaylord, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Chick box. 2,409,701; Oct. 22.

Loughren, Arthur V., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. System for space-scanning with a radiated beam of wave signals. 2,409,944; Oct. 22.

Lowes, William J., assignor to Harris Trust and Savings Bank, Chicago, Ill. Ammunition. 2,409,945; Oct. 22.

Lowry, Edwin F., Swampscott, and F. P. Rogers, Danvers, assignors to Sylvania Electric Products Inc., Salem, Mass. Electrical discharge device. 2,409,771; Oct. 22.

Luce, Richard W., Southport, Conn. Fastener. 2,409,702; Oct. 22.

Lucht, Victor F., Washington, D. C. Muzzle closing mechanism. 2,409,637; Oct. 22.

Lund, Charles, Burbank, Calif., assignor to Adel Precision Products Corp. Adjustable harness clip. 2,409,772; Oct. 22.

Luten, Daniel B., Jr., and A. De Benedictis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Two-stage distillation of ortho-substituted ring compounds. 2,409,773; Oct. 22.

Lyem, Arthur, Cumberland, Md., assignor to Celanese Corporation of America. Preparation of laminating fabric. 2,409,703; Oct. 22.

Lyem, Arthur, Cumberland, Md., assignor to Celanese Corporation of America. Production of laminating fabrics. 2,409,704; Oct. 22.

Lyon, Bruce K., Grant, Nebr., assignor to Oliver Iron and Steel Corporation, Pittsburgh, Pa. Insert bolt. 2,409,638; Oct. 22.

Mack, Gerry P., Jackson Heights, N. Y., and C. A. Klebsattel, South Orange, N. J., assignors to Advance Solvents & Chemical Corporation, New York, N. Y. Drier metal salt and making it. 2,409,774; Oct. 22.

MacLeod, Douglas W., Ansonia, Conn. Luggage carrier. 2,409,946; Oct. 22.

Makenny, William: *See*—
Whitmore, James B., Makenny, and Newcombe.

Mall, Arthur W., Flossmoor, and W. L. Gorden, Chicago, Ill. Chain-saw machine. 2,409,775; Oct. 22.

Mallina, Rudolph F.: *See*—
Elliott, Stanley J., Hovgaard, Mallina, and Thomas.

Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Combined thermoelectric safety shutoff device and cock. 2,409,947; Oct. 22.

Maples, John A., assignor to Leathem D. Smith Shipbuilding Co., Sturgeon Bay, Wis. Jig for trimming boiler tubes. 2,409,776; Oct. 22.

Marcellus, Brooks, assignor to Barber Colman Company, Rockford, Ill. Bobbin winding machine. 2,409,639; Oct. 22.

Marlin Firearms Company, The, assignee: *See*—
Jenkinson, Robert L.

Martin, Boyd G., Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Gyro assembly. 2,409,875; Oct. 22.

Martin, Edward J., Pleasant Ridge, Mich., C. E. Grinstead, West Hartford, Conn., and R. N. Frawley, assignors to General Motors Corporation, Detroit, Mich. Shaft torsion measuring means. 2,409,876; Oct. 22.

Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials 2,409,948; Oct. 22.

Martz, William M., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Electrodeposition of indium. 2,409,983; Oct. 22.

Mathes, Roger A.: *See*—
Jones, Paul C., and Mathes.

Mathieson Alkali Works, Inc., The, assignee: *See*—
Hutchinson, Willis S.

Maurer, Gottfried, Zurich, assignor to Wilhelm Fischer-Sueffert, Basel, Switzerland. Machine for gluing laths together. 2,409,777; Oct. 22.

May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil. 2,409,877; Oct. 22.

May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil. 2,409,878; Oct. 22.

Maynard, John E.: *See*—
Gardiner, Paul C., and Maynard.

McCaffrey, Charles L., assignor of one-half to A. J. Kirby, Nashville, Tenn. Yard refuse collector. 2,409,778; Oct. 22.

McCutcheon, John W., Bronx, N. Y. Camera film box. 2,409,949; Oct. 22.

McDowell, Wendell H., assignor to Eastman Kodak Company, Rochester, N. Y. Treating water resistant paper. 2,409,984; Oct. 22.

McGavock, Hugh K.: *See*—
McWane, Henry E., and McGavock.

McIntosh, Thomas J., Westville, S. C., assignor of one-half to E. D. Moore, Charlotte, N. C. Adjustable tool handle fastening. 2,409,879; Oct. 22.

McMurray, Harry G., Wakefield, Mass. Shoemaking. 2,409,880; Oct. 22.

McMurray, Lynn L.: *See*—
Cole, Allen T., Duke, and McMurray.

McNab, John G.: *See*—
Rogers, Dilworth T., and McNab.
Winning, Carl, and McNab.

McNab, John G., Cranford, and D. T. Rogers, Plainfield, N. J., assignors to Standard Oil Development Company. Compounded lubricating oil. 2,409,686; Oct. 22.

McNally, James G.: *See*—
Jensen, Edgar C., Scull, and McNally.

McWane, Henry E., and H. K. McGavock, Lynchburg, Va.; said McGavock assignor to said McWane. Apparatus for introducing molten material into molds. 2,409,779; Oct. 22.

Meehan, John B.: *See*—
Haggard, Claude C., and Meehan.

Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Reactor. 2,409,780; Oct. 22.

Mertz, Valentine, Dallas, Tex., assignor to Phillips Petroleum Company. Reducing corrosion and polymerization of furfural in extractive distillation plants. 2,409,781; Oct. 22.

Metalwash Machinery Company, assignee: *See*—
Zademach, Erich R., and Clarke.

Meyer, Andrew, Cleveland Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Snubber for hoists. 2,409,881; Oct. 22.

Meyer, Hughan C., Jr., assignor to Foote Mineral Company, Philadelphia, Pa. Non-aqueous gel. 2,409,950; Oct. 22.

Meyerhans, August, Rieden, near Baden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Electrical transformer. 2,409,882; Oct. 22.

Middleton, Donald R., assignee, et al.: *See*—
Bixby, William H.

Migrdichian, Vartkes, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Resinous dibasic carboxylic acid salts of a guanidine as mothproofers. 2,409,883; Oct. 22.

Miller, Alfred B.: *See*—
Place, Willard P., and Miller.

Miller, Logan C., Ann Arbor, and G. E. Scarlett, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Constructing tubular fuselages. 2,409,782; Oct. 22.

Miller, Louis L.: *See*—
Lorig, Frank W., Miller, and Robinson.

Milwaukee Gas Specialty Company, assignee: *See*—
Mantz, Harold A.

Minerals Separation North American Corporation, assignee: *See*—
Cole, A. T., Duke, and McMurray.

Moineau, René J. L., Paris, France. Reversible fluid-operated and fluid-operating mechanism. 2,409,688; Oct. 22.

Molat, Joseph H.: *See*—
Riker, Robert T., and Molat.

Moles, Frank J., Schenectady, N. Y., assignor to General Electric Company. Power cable for high-frequency oscillators. 2,409,640; Oct. 22.

Mollenhour, Delbert C., Mentone, Ind., assignor to F. I. Saemann, New York, N. Y. Artificial arm and hand. 2,409,884; Oct. 22.

Monori, Emil, and C. B. Myhre, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ground detector. 2,409,885; Oct. 22.

Monsanto Chemical Company, assignee: *See*—
Scott, Milton J.

Moore, Edgar D.: *See*—
McIntosh, Thomas J.

Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Tool for installing conduit clips. 2,409,784; Oct. 22.

Morton, George A., Haddon Heights, and L. E. Flory, Oaklyn, N. J., assignors to Radio Corporation of America. Electronic computing device. 2,409,689; Oct. 22.

Morton, Henry E., Muskegon, Mich. Hydraulic clutch. 2,409,995; Oct. 22.

Moskey, Moskos S., Lakewood, Ohio. Forming artificial teeth. 2,409,783; Oct. 22.

Mueller, Emil G., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,409,886; Oct. 22.

Murphy, George F., Milwaukee, Wis. Motor bicycle. 2,409,887; Oct. 22.

Myhre, Conrad B.: *See*—
Monori, Emil, and Myhre.

National Brass Company, assignee: *See*—
Quigley, Herbert, and Ter Meer.

National Lock Washer Company, The, assignee: *See*—
Schunk, Joseph.

National Ring Traveler Company, assignee: *See*—
Wentworth, Philip C.

Newcombe, Frank A.: *See*—
Whitmore, James B., Makenny, and Newcombe.

Newmark, David, and W. Kramer, New York, N. Y. Producing balsa slices. 2,409,785; Oct. 22.

Newton, Lowell R.: *See*—
Walter, Charles T.

New York Air Brake Company, The, assignee: *See*—
Baldwin, Wayne A.

Nicholson, Edward W. S., and A. K. Redcay, Baton Rouge, La., assignors to Standard Oil Development Company. Desulphurization of hydrocarbon oils. 2,409,690; Oct. 22.

Noble, Frank G., Houston, Tex., assignor to Standard Oil Development Company. Recovering volatile hydrocarbons from gases. 2,409,691; Oct. 22.

Nootens, Julian H., Chicago, Ill., assignor to United States Gypsum Company. Insulating bat. 2,409,951; Oct. 22.

Norton, Chester H., Katonah, N. Y. Trundle basket. 2,409,786; Oct. 22.

Notman, Clarence A., assignor of one-half to C. Bowles, Detroit, Mich. Fountain brush. 2,409,952; Oct. 22.

Nyberg, Curt E., Chicago, Ill., assignor to J. F. Barnes, as trustee. Container. 2,409,692; Oct. 22.

Ocean City Manufacturing Company, assignee: *See*—
Kay, Paul.

Ogden, Jack, Huntington Woods, assignor to General Motors Corporation, Detroit, Mich. Timing device. 2,409,888; Oct. 22.

Ogden, Jack, Huntington Woods, assignor to General Motors Corporation, Detroit, Mich. Timing device. 2,409,889; Oct. 22.

Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,409,693; Oct. 22.

Oliver Iron and Steel Corporation, assignee: *See*—
Lyon, Bruce K.

O'Neal, Wilburn W., and R. D. Williams, Memphis, Tenn. Dehydrator. 2,409,787; Oct. 22.

Oneida, Ltd., assignee: *See*—
Bloom, Richard A.

O'Quinn, Wilbur D., Wilmington, N. C. Ventilating attachment for welders' helmets. 2,409,641; Oct. 22.

Osborne, Andrew G., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Applying closures to containers. 2,409,788; Oct. 22.

Osborne, Andrew G., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Sealing containers. 2,409,789; Oct. 22.

Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Apparatus for the production of ammonium sulphate. 2,409,790; Oct. 22.

Owens, Jesse C., Los Angeles, Calif. Antisiphon ball cock valve. 2,409,890; Oct. 22.

Packer, Lewis C., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable-speed motor. 2,409,891; Oct. 22.

Painter, Rex H. G.: *See*—
Browne, Donald B., Clarke, and Painter.

Parke, Davis & Company, assignee: *See*—
Henze, Henry R.

Parrott, Forrest, assignee: *See*—
Burch, Willie D.

Pash, Robert, Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material treating apparatus. 2,409,953; Oct. 22.

Pearson, Otto H., Salt Lake City, Utah. Heating attachment for horns. 2,409,954; Oct. 22.

Pecker, Harry, Lynn, Mass. Shoe binding for platform soles. 2,409,892; Oct. 22.

Peirce, Charles P., assignee: *See*—
Knapp, William G.

Pendleton, Wesley W., and L. E. Frost, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Semiconducting composition. 2,409,893; Oct. 22.

Pfeffer, Edward C., Jr., and J. A. Tweed, Troy, and J. Jarmak, White Plains, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Stabilized fabric and making the same. 2,409,894; Oct. 22.

Pfeiffer, Andrew: *See*—
Slack, Charles M., Pfeiffer, and Dawley.

Phelps, George H., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical positioning system. 2,409,895; Oct. 22.

Phillips Petroleum Company, assignee: *See*—
Bailey, Grant C.
Mertz, Valentine.
Sperberg, Lawrence R.

Pittsburgh Coke & Chemical Company, assignee: *See*—
Shive, William, and Glenn.

Place, Willard P., Penn Township, Allegheny County, and A. B. Miller, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Selective control and indication system. 2,409,720; Oct. 22.

Plummer, John F., Jr., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Cooling apparatus. 2,409,896; Oct. 22.

Polaroid Corporation, assignee: *See*—
Barnes, Arthur, and Husek.
Rogers, Howard G., and Cooper.
Ryan, William H., Barnes, and Husek.

Pope, Jessie, Ecorse, Mich. Croquignole iron. 2,409,791; Oct. 22.

Power Equipment Company, assignee: *See*—
Bixby, William H., and Middleton.

Premier Crystal Laboratories, Inc., assignee: *See*—
Bach, Henry M.

Prewitt, William C., Palm Beach County, assignor to United States Sugar Corporation, Clewiston, Fla. Weed burner. 2,409,792; Oct. 22.

Prox, Frank, Company, Inc., assignee: *See*—
Fulke, Frank L.

Punte, William F., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 2,409,793; Oct. 22.

Queeney, Donald H.: *See*—
Dilworth, Richard M., Lillquist, and Queeney.

Quigg, Murray T., trustee, assignee: *See*—
Hopkins, Nevil M.

Quigley, Herbert, and H. Ter Meer, assignors to National Brass Company, Grand Rapids, Mich. Cupboard catch. 2,409,794; Oct. 22.

Rabezzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plug. 2,409,795; Oct. 22.

Radio Corporation of America, assignee: *See*—
Morton, George A., and Flory.
Shenk, Eugene R., and Smith.

Rado, John A., Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. High-frequency pulse generator. 2,409,897; Oct. 22.

Ramsay, Henry T., Hatch End, assignor to The General Electric Company Limited, London, England. Gas-filled electric rectifier. 2,409,955; Oct. 22.

Ramsdell, Thomas S., Housatonic, Mass. Machine for forming heavy sliver lap. 2,409,898; Oct. 22.

Ramstack, Erich F., and C. R. Clafendetcher, Milwaukee, Wis. Garment hanger. 2,409,956; Oct. 22.

Reagan, Maurice E.: *See*—
Derr, Willard A., and Reagan.

Realty and Industrial Corporation, assignee: *See*—
Terry, Fred M.

Redcay, Aaron K.: *See*—
Nicholson, Edward W. S., and Redcay.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Indicating means for valves. 2,409,796; Oct. 22.

Refined Syrups & Sugars, Inc., assignee: *See*—
Wadsworth, Daniel V., and Hughes.

Rehnqvist, Nils G., assignor to Aktiebolaget Kanthal, Hallstahammar, Sweden. Machinable alloy for high temperature use. 2,409,797; Oct. 22.

Reichstein, Tadeus, Basel, Switzerland. Compounds of the cyclopentanopolyhydrophenanthrene series and making same. 2,409,798; Oct. 22.

Reinhardt, Fredrick E., Bellflower, assignor to Richfield Oil Corporation, Los Angeles, Calif. Filter leaf. 2,409,705; Oct. 22.

Remington Arms Company, Inc., assignee: *See*—
Birdsall, Edwin H.
Horton, Lucien B., and Speed.

Reppa, Joseph L., Chicago, Ill. Attachment for drill presses or the like. 2,409,706; Oct. 22.

Resina, Manuel S., Brooklyn, N. Y. Cap chuck. 2,409,899; Oct. 22.

Reynolds, Howard, Springfield, Ohio. Signal flash. 2,409,957; Oct. 22.

Richfield Oil Corporation, assignee: *See*—
Reinhardt, Fredrick E.

Riker, Robert T., and J. H. Molat, Brooklyn, N. Y. Fluorescent lighting fixture servicing implement. 2,409,900; Oct. 22.

Robb, Mike, assignee: *See*—
Toohey, Patrick F.

Roberts, Edward N., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricant. 2,409,799; Oct. 22.

Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,409,642; Oct. 22.

Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,409,643; Oct. 22.

Robinson, Frank E.: *See*—
Lorig, Frank W., Miller, and Robinson.

Rockafellow, Stuart, Flint, assignor to General Motors Corporation, Detroit, Mich. Temperature change compensating means. 2,409,800; Oct. 22.

Roedel, Milton J., Talleyville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylene polymerization. 2,409,996; Oct. 22.

Roethell, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Cement manufacture. 2,409,707; Oct. 22.

Rogers, Dilworth T.: *See*—
McNab, John G., and Rogers.

Rogers, Dilworth T., Teaneck, and J. G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Sulfur and metal containing compound. 2,409,687; Oct. 22.

Rogers, Fielding P.: *See*—
Lowry, Edwin F., and Rogers.

Rogers, Howard G., Wellesley Hills, Mass., and D. P. Cooper, Jr., Washington, D. C., assignors to Polaroid Corporation, Cambridge, Mass. Method of molding prisms. 2,409,958; Oct. 22.

Rogers Majestic Corporation, assignee: *See*—
Fisher, Sidney T.

Rohm & Haas Company, assignee: *See*—
Bock, Louis H., Johnson, and Armstrong.

Roland, John R.: *See*—
Hanford, William E., and Roland.
Howk, Benjamin W., Roland, and Hoehn.

Rose, Francis L.: *See*—
Broadbent, W., and Rose.

Rothweiler, Charles L., Milwaukee, Wis. Coat hanger. 2,409,708; Oct. 22.

Ruegg, Rudolf, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. High-temperature gas heater. 2,409,801; Oct. 22.

Rush, John W.: *See*—
Hines, Claude M., and Rush.

Russell, Lyman B., Jr., Edinburg, Tex. Separable rim. 2,409,901; Oct. 22.

Ryan, William H., Cambridge, A. Barnes, Waltham, and H. P. Husek, Allston, assignors to Polaroid Corporation, Cambridge, Mass. Method of forming images of dichroic materials. 2,409,959; Oct. 22.

Saemann, Franklin L., assignee: *See*—
Mollenhour, Delbert C.

Salo, Martin, assignor to Eastman Kodak Company, Rochester, N. Y. Coating compositions for moisture-proofing by hot melt coating. 2,409,985; Oct. 22.

Salo, Martin, assignor to Eastman Kodak Company, Rochester, N. Y. Coating compositions for moisture-proofing by hot melt coating. 2,409,986; Oct. 22.

Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,409,644; Oct. 22.

Saval, Theodore, Sierra Madre, Calif. Shoe. 2,409,902; Oct. 22.

Sawyer, Edward E., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine. Resin-fiber article and making the same. 2,409,645; Oct. 22.

Scarlett, George E.: *See*—
Miller, Logan C., and Scarlett.

Schermuly, Alfred J.: *See*—
Schermuly, Conrad D., A. J., and C.

Schermuly, Charles: *See*—
Schermuly, Conrad D., A. J., and C.

Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, Surrey, England. Rocket. 2,409,904; Oct. 22.

Schermuly, Conrad D., A. J., and C., assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, England. Illuminating flare. 2,409,905; Oct. 22.

Schermuly Pistol Rocket Apparatus Limited, The, assignee: *See*—
Schermuly, Conrad D., A. J., and C.

Schmerling, Louis, assignor to Universal Oil Products Company, Chicago, Ill. Production of ethylbenzene. 2,409,802; Oct. 22.

Schneider, Rudolph G., assignod to American Furniture & Toy Company, Houston, Tex. Rocking toy. 2,409,803; Oct. 22.

Scholl, William M., Chicago, Ill. Arch support. 2,409,960; Oct. 22.

Schroeder, Herman O., and A. W. Lindquist, Orlando, Fla., assignors to United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Microspray device. 2,409,987; Oct. 22.

Schunk, Joseph, Union, assignor to The National Lock Washer Company, Newark, N. J. Bus or car window construction. 2,409,709; Oct. 22.

Schunk, Joseph, Union, assignor to The National Lock Washer Company, Newark, N. J. Bus or car window construction. 2,409,710; Oct. 22.

Schunk, Joseph, Union, assignor to The National Lock Washer Company, Newark, N. J. Sash lock for bus or car window construction. 2,409,711; Oct. 22.

Schwartz, Arthur A., Buffalo, N. Y., assignor to Bell Aircraft Corporation. Machine for shaping stock. 2,409,903; Oct. 22.

Schwebs, George R., Cleveland, Ohio. Fishing rod indicator. 2,409,988; Oct. 22.

Schweitzer, Carl E., Newport, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and products. 2,409,712; Oct. 22.

Schwenker, Archie C., Lincoln, Nebr. Milk pail attachment. 2,409,804; Oct. 22.

Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Synthetic resin. 2,409,906; Oct. 22.

Scrantom, De Hart G., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Fault detector and automatic stop device for textile machines. 2,409,961; Oct. 22.

Scull, Herbert G.: *See*—
Jensen, Edgar C., Scull, and McNally.

Seaman, Harry J., Milwaukee, Wis. Mixing machine. 2,409,646; Oct. 22.

Sears, Roebuck and Co., assignee: *See*—
Hohmann, Richard K., and Boisselier.

Shakesby, Leonard, and C. A. R. Sutherland, Wolverhampton, and S. H. Smith, Manchester, England, assignors to Imperial Chemical Industries Limited. Securing fittings to containers. 2,409,907; Oct. 22.

Sharples Corporation, The, assignee: *See*—
Sharples, Laurence P.

Sharples, Laurence P., Ardmore, Pa., assignor to The Sharples Corporation, Philadelphia, Pa. Separation of liquids from solids. 2,409,713; Oct. 22.

Shearman, Spicer D., assignor to The Aro Equipment Corporation, Bryan, Ohio. Pumps for lubricants and the like. 2,409,962; Oct. 22.

Shell Development Company, assignee: *See*—
Evans, Theodore W., and Cattaneo.
Luten, Daniel B., Jr., and Benedictis.

Shenk, Eugene R., Brooklyn, and J. E. Smith, Jackson Heights, N. Y., assignor to Radio Corporation of America. Signaling system. 2,409,989; Oct. 22.

Shikles, John C., St. Louis, Mo. Dining booth. 2,409,805; Oct. 22.

Shive, William, Urbana, Ill., and R. A. Glenn, Mount Lebanon, Pa., assignors to Pittsburgh Coke & Chemical Company. Synthesis of nicotinic compounds. 2,409,806; Oct. 22.

Signode Steel Strapping Company, assignee: *See*—
Frear, Jenness B.

Silhan, Florian P., Marion, Kans. Seat. 2,409,714; Oct. 22.

Simmon Brothers, Inc., assignee: *See*—
Weisglass, Louis.

Simmonds Aerocessories Limited, assignee: *See*—
Smith, Stanley J.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Mining apparatus. 2,409,807; Oct. 22.

Simpkins, Isaac W., Charlotte, N. C. Safety mechanism for brakes. 2,409,908; Oct. 22.

Sinclair Refining Company, assignee: *See*—
May, Robert L.

Skillin, Walter F.: *See*—
Valentine, Frank E., and Skillin.

Slack, Charles M., Glen Ridge, and E. G. F. Arnott, Upper Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric arc device. 2,409,715; Oct. 22.

Slack, Charles M., Glen Ridge, L. F. Ehrke, Newark, and C. E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-voltage discharge device. 2,409,716; Oct. 22.

Slack, Charles M., Glen Ridge, and A. Pfeiffer and C. E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Field emission arc discharge tube. 2,409,717; Oct. 22.

Smith, Fred J., and J. Isaac, Sault Ste. Marie, Mich. Internal-combustion turbine. 2,409,909; Oct. 22.

Smith, James E., assignee: *See*—
Shenk, Eugene R., and Smith.

Smith, Leathem D., Shipbuilding Co., assignee: *See*—
Maples, John A.

Smith, Paul E., Jr.: *See*—
Foulger, John H., and Smith.

Smith, Stanley J., assignor to Simmonds Aerocessories Limited, London, W. C. 2, England. Moving-coil electrical instrument. 2,409,963; Oct. 22.

Smith, Sydney H.: *See*—
Shakesby, Leonard, Sutherland, and Smith.

Smith, William W., Philadelphia, Pa., assignor to The Electric Storage Battery Company. Storage battery. 2,409,964; Oct. 22.

Snell, Foster D., Inc., assignee: *See*—
Snell, Foster D., and Haeseler.

Snell, Foster D., New York, and K. W. Haeseler, Forest Hills, N. Y., assignors to Foster D. Snell, Inc. Composition for cleaning dentures. 2,409,718; Oct. 22.

Sonnenborn, L., Sons, Inc., assignee: *See*—
Faust, Jacob.

Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for selective control and indication systems. 2,409,719; Oct. 22.

Sowle, Charles E., Van Nuys, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Glazing unit. 2,409,808; Oct. 22.

Spack, Maurice, Newton Center, Mass. Device for conforming a shoe upper to the shape of a last. 2,409,721; Oct. 22.

Specialties Development Corporation, assignee: *See*—
Grant, Harry C., Jr.
Stroop, John H.

Speed, Fletcher C.: *See*—
Horton, Lucien B., and Speed.

Sperberg, Lawrence R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Curing butadiene-styrene synthetic rubber. 2,409,809; Oct. 22.

Sperry Gyroscope Company, Inc., assignee: *See*—
Braddon, Frederick D.
Lane, Arthur W.
Van Auken, Howard C., and Hanson.

Sprague, Robert H.: *See*—
Brooker, Leslie G. S., and Sprague.

Squibb, E. R., & Sons, assignee: *See*—
Christiansen, Walter G., and Harris.

Stampen, Olaf J.: *See*—
Blomberg, Martin P., and Stampen.

Standard Oil Company, assignee: *See*—
Roberts, Edward N.

Standard Oil Development Company, assignee: *See*—
Graybeal, Joseph W.
Hill, Ralph M., and Watkins.
Laughlin, Kenneth C.
McNab, John G., and Rogers.
Nicholson, Edward W. S., and Redcay.
Noble, Frank G.
Roetheli, Bruno E.
Rogers, Dilworth T., and McNab.
Vanderbilt, Byron M., and Howe.
Winning, Carl, and McNab.

Stark, William, and A. P. Gately, Wilmington, Calif., assignors to Todd Shipyards Corporation, New York, N. Y. Sand blasting apparatus. 2,409,722; Oct. 22.

Staud, Cyril J., Rochester, N. Y. Tracing cloth. 2,409,990; Oct. 22.

Stempel, Edward, Los Angeles, Calif. Suspenders. 2,409,810; Oct. 22.

Stober, Kenneth E., Midland, Mich., assignor to The Dow Chemical Company. Filling containers with resinous foam. 2,409,910; Oct. 22.

Straubel, James W., trustee, assignee: *See*—
Straubel, Louis A., Sr.

Straubel, Louis A., Sr., assignor to J. W. Straubel, trustee, Green Bay, Wis. Creping machine. 2,409,997; Oct. 22.

Strobel, Howard M., Allegany, N. Y. Standing wave coupler. 2,409,991; Oct. 22.

Strobel, Howard M., Allegany, N. Y. Traveling wave coupler. 2,409,992; Oct. 22.

Strong, Robert M., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,409,911; Oct. 22.

Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Discharge device. 2,409,647; Oct. 22.

Stuart, Kenneth E., Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Electrolytic alkali chlorine diaphragm cell. 2,409,912; Oct. 22.

Stupakoff Ceramic & Manufacturing Co., assignee: *See*—
Stupakoff, Semon H.

Stupakoff, Semon H., assignor to Stupakoff Ceramic & Manufacturing Co., Latrobe, Pa. Machine for threading coil forms. 2,409,993; Oct. 22.

Sullivan, Lee A., assignee: *See*—
Kahl, Charles N.

Superior Carbon Products Co., Inc., assignee: *See*—
Wikle, Hugh H.

Sutherland, Charles A. R.: *See*—
Shakesby, Leonard, Sutherland, and Smith.

Sutherland Paper Company, assignee: *See*—
Annen, James E.

Sylvania Electric Products Inc., assignee: *See*—
Leyshon, William E.
Lowry, Edwin F., and Rogers.
Taylor, Raymond G., Jr., and D. B. Hooser, assignors to The Guiberson Corporation, Dallas, Tex. Setting and releasing tool. 2,409,811; Oct. 22.
Taylor, Raymond G., Jr., and D. B. Hooser, assignors to The Guiberson Corporation, Dallas, Tex. Control head packer. 2,409,812; Oct. 22.
Ter Meer, Herman: *See*—
Quigley, Herbert, and Ter Meer.
Terry, Fred M., Jackson Heights, N. Y., assignor to Realty and Industrial Corporation. Oil circuit breaker. 2,409,723; Oct. 22.
Thomas, Frank M.: *See*—
Elliott, Stanley J., Hovgaard, Mallina and Thomas.
Tide Water Associated Oil Company, assignee: *See*—
Viland, Clare K., and Hyde.
Timson, Arthur G., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Reversible shoe. 2,409,813; Oct. 22.
Todd Shipyards Corporation, assignee: *See*—
Stark, William, and Gately.
Toledo Scale Company, assignee: *See*—
Longmate, Ralph B.
Tonks, Lewi, Schenectady, N. Y., assignor to General Electric Company. Wave guide structure. 2,409,913; Oct. 22.
Toohey, Catherine, administratrix: *See*—
Toohey, Patrick F.
Toohey, Patrick F., deceased, Burgettstown, assignor of one-half to M. Robb, Slovan, Pa.; C. Toohey, administratrix. Loading pan. 2,409,994; Oct. 22.
Tweed, John A.: *See*—
Pfeffer, Edward C., Jr., Tweed, and Jarmak.
Udale, Stanley M., Detroit, Mich., assignor to G. M. Holley and E. Holley. Fuel pump. 2,409,965; Oct. 22.
Union Switch & Signal Company, The, assignee: *See*—
Lewis, Lloyd V.
Pince, Willard P., and Miller.
Sorensen, Andrew J.
United Shoe Machinery Corporation, assignee: *See*—
Clarke, Thomas B., and Williams.
Robinson, Charles A.
Timson, Arthur G.
United States Gypsum Company, assignee: *See*—
Nootens, Julian H.
United States Sugar Corporation, assignee: *See*—
Prewitt, William C.
Universal Oil Products Company, assignee: *See*—
Gerhold, Clarence G., and Burgess.
Mekler, Lev A.
Schmerling, Louis.
Universal Slide Fastener Co., Inc., assignee: *See*—
Voity, Maurice, and Griffiths.
Valentine, Frank E., and W. F. Skillin, Schenectady, N. Y., assignors to General Electric Company. System and apparatus for gunfire control. 2,409,914; Oct. 22.
Van Auken, Howard C., Bloomfield, and G. N. Hanson, Allendale, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Bomb sight. 2,409,648; Oct. 22.
Vanderbilt, Byron M., Cranford, and R. F. Howe, Elizabeth, N. J., assignors to Jascoe, Incorporated. Preparing rubberlike materials. 2,409,915; Oct. 22.
Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Circuit breaker. 2,409,917; Oct. 22.
Varcoe, Charles W., Bethel, Conn. Firearm cleaning rod centralizer. 2,409,916; Oct. 22.
Vargish, Frank J., New York, N. Y. Photograph holder. 2,409,814; Oct. 22.
Viland, Clare K., Martinez, and H. Y. Hyde, Associated, assignors to Tide Water Associated Oil Company, San Francisco, Calif. Manufacture of olefins. 2,409,815; Oct. 22.
Voity, Maurice, Bayside, and G. A. Griffiths, Kew Gardens, assignors to Universal Slide Fastener Co., Inc., Long Island City, N. Y. Blank for use in the manufacture of sliders for slide fasteners. 2,409,966; Oct. 22.
Wadsworth, Daniel V., Manhasset, N. Y., and M. F. Hughes, Jersey City, N. J., assignors to Refined Syrups & Sugars, Inc., Yonkers, N. Y. Sugar syrup and process. 2,409,816; Oct. 22.
Waitkins, George R.: *See*—
Clark, Charles W., Elkin, and Waitkins.
Walter, Charles T., and L. R. Newton, assignors to Industrial Patents Corporation, Chicago, Ill. Banding machine. 2,409,724; Oct. 22.
Walter, Henry E.: *See*—
Heritage, Clark C., and Walter.
War, United States of America, as represented by Secretary of, assignee: *See*—
Langner, Lawrence.
Waters, Harry F., New York, N. Y. Fluid-tight package. 2,410,998; Oct. 22.
Watkins, Charles H.: *See*—
Hill, Ralph M., and Watkins.
Webber, George D., Lakewood, Ohio. Gauge. 2,409,817; Oct. 22.
Weisglass, Louis, New York, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Means to ignite photographic flash. 2,409,967; Oct. 22.
Wells, David E., San Leandro, Calif. Ball forming mill. 2,409,649; Oct. 22.
Welsch, Louis A., assignor to American Hoist & Derrick Co., St. Paul, Minn. Machine for operating on materials. 2,409,968; Oct. 22.
Wentworth, Philip C., Providence, R. I., assignor to National Ring Traveler Company, Pawtucket, R. I. Twister traveler. 2,409,918; Oct. 22.
Western Electric Company, Incorporated, assignee: *See*—
Daniel, Thomas A.
Ewaldson, Waldemar C.
Pash, Robert.
Scrantom, De Hart G.
Westinghouse Air Brake Company, The, assignee: *See*—
Hines, Claude M., and Rush.
Mueller, Emil G.
Westinghouse Electric Corporation, assignee: *See*—
Clifford, David G.
Dailey, Hampton J.
Derr, Willard A., and Reagan.
Laidig, Alfred H.
Lessman, Gerhard P.
Monori, Emil, and Myhre.
Okress, Ernest C.
Packer, Lewis C.
Pendleton, Wesley W., and Frost.
Phelps, George H.
Slack, Charles M., and Arnott.
Slack, Charles M., Ehrke, and Dawley.
Slack, Charles M., Pfeiffer, and Dawley.
Strong, Robert M.
Whitmore, James B., Makenny, and Newcombe.
Whetstone, John, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Low density granular or powder explosives and their manufacture. 2,409,919; Oct. 22.
Whitmore, James B., Bloomfield, W. Makenny, Mountain View, and F. A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic molding of plastics. 2,409,725; Oct. 22.
Wicher, August R., Chicago, Ill. Automatic scale model coupler. 2,409,920; Oct. 22.
Wiggins, Earl B., deceased, by I. L. Wiggins, executrix, Los Angeles, Calif. Coupling. 2,409,650; Oct. 22.
Wiggins, Irene L., executrix: *See*—
Wiggins, Earl B.
Wikle, Hugh H., Cleveland Heights, assignor to Superior Carbon Products, Inc., Cleveland, Ohio. Brush and art of commutation. 2,409,818; Oct. 22.
Willard Storage Battery Company, assignee: *See*—
Donkin, William F.
Williams, Frederick W. H.: *See*—
Clarke, Thomas B., and Williams.
Williams, Merle R., San Antonio, Tex. Apparatus for unbelting ammunition. 2,409,6[illegible]ct. 22.
Williams, Robert D.: *See*—
O'Neal, Wilburn W., and Wi[illegible]
Williams, William R., Dunsmu[illegible] Calif. Nut lock. 2,409,969; Oct. 22.
Wilson, Nina M., assignee: *See*—
Wilson, Winfred E.
Wilson, Winfred E., Los Angeles, Calif., assignor of one-half to N. M. Wilson. Plywood structure. 2,409,819; Oct. 22.
Winning, Carl, Westfield, and J. G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Lubricant composition. 2,409,726; Oct. 22.
Wood Conversion Company, assignee: *See*—
Heritage, Clark C.
Heritage, Clark C., and Walter.
Workman, Ernest R., Goshen, Ind. Banding machine. 2,409,652; Oct. 22.
Wormald, Robert M.: *See*—
Breth, Walter J., and Wormald.
Wulff, Frank D., Chicago, Ill. Gauging means for lawn mowers. 2,409,921; Oct. 22.
Zademach, Erich R., Elizabeth, and W. W. Clarke, Summit, assignors to Metalwash Machinery Company, Newark, N. J. Shaft bearing seal. 2,409,922; Oct. 22.
Zimmern, Benno, New York, N. Y. Bottle cover. 2,409,820; Oct. 22.

LIST OF PLANT INVENTIONS

Rose plant. H. C. Swim. 713; Oct. 22.

LIST OF DESIGN INVENTIONS

Airplane. E. F. Burton. 145,774; Oct. 22.
Bracelet. C. F. Carter. 145,775–6; Oct. 22.
Bracelet or similar article. J. Bernas. 145,783; Oct. 22.
Brooch and cosmetic container, Combined. N. Linduska. 145,811; Oct. 22.
Building. H. P. Hummel. 145,801; Oct. 22.
Carrier, Tool. F. L. Ayres. 145,770; Oct. 22.
Case, Pen and pencil. J. A. Commander. 145,778; Oct. 22.
Chair. W. S. Gass. 145,788; Oct. 22.
Chair, Child's. F. L. Duer. 145,781; Oct. 22.
Container, Cosmetic. M. H. Ramsey. 145,819; Oct. 22.
Cutter, Cookie. M. M. Myers. 145,812; Oct. 22.
Desk unit, Combination. M. J. Lewis. 145,809; Oct. 22.
Desk unit, Combination. T. Roffey. 145,821; Oct. 22.
Dispenser, Adhesive tape. B. Bronfman. 145,773; Oct. 22.
Display device. C. T. Andrews. 145,768; Oct. 22.
Display device for twine and the like, Sample. E. H. Jackson, Jr. 145,802; Oct. 22.
Display stand, Merchandise. S. Malkin. 145,814; Oct. 22.
Dress. Z. Golden. 145,789–97; Oct. 22.
Dress. D. M. Goodstein. 145,798–9; Oct. 22.
Dress. H. T. Langbert. 145,807; Oct. 22.
Dress. J. Walker. 145,827; Oct. 22.
Exhibitor, Insignia. R. E. Tilford. 145,825; Oct. 22.
Fabric or similar article. F. G. Ullmann. 145,826; Oct. 22.
Fixture, Bar rail. G. Bassett. 145,771; Oct. 22.
Glider. P. V. Armstrong. 145,769; Oct. 22.
Grill. M. J. Lewis. 145,810; Oct. 22.
Hammer head. B. L. McClure. 145,815; Oct. 22.
Heel and counter unit for a shoe or similar article, Combined. E. S. Payne. 145,817; Oct. 22.
Hook, Garment. H. A. Marsh. 145,813; Oct. 22.
Indicator for processing dental plastics, Timing. E. D. Stiles. 145,824; Oct. 22.
Light, Night. J. P. Endsley. 145,782; Oct. 22.
Motorcycle. F. Brogan. 145,772; Oct. 22.
Pencil, Mechanical. M. Kahn. 145,806; Oct. 22.
Rack and drawer, Combined tie. R. B. Rubin. 145,822; Oct. 22.
Rack, Towel. F. J. Whitman. 145,829; Oct. 22.
Radio cabinet. W. J. House, Jr. 145,800; Oct. 22.
Radio loud speaker housing or similar article. A. F. Adams and N. S. Barger. 145,765; Oct. 22.
Sandal. E. S. Payne. 145,818; Oct. 22.
Sharpener, Knife. G. M. Jones. 145,803; Oct. 22.
Shirt or similar article, Polo. D. Engleman. 145,786; Oct. 22.
Shoe. E. S. Payne. 145,816; Oct. 22.
Stand, Pen desk. B. W. Hanle. 145,804; Oct. 22.
Stand, Reservoir desk. J. O. Reinecke. 145,820; Oct. 22.
Stand, Telephone desk. G. Deakin. 145,780; Oct. 22.
Sweater. P. Freund, Jr. 145,787; Oct. 22.
Table and chair, Combined. C. S. Davis. 145,779; Oct. 22.
Table, Drafting. L. La Pidus. 145,808; Oct. 22.
Table, Overbed. J. S. Clachko. 145,777; Oct. 22.
Tire, Pneumatic. G. W. Anderson. 145,766–7; Oct. 22.
Toy gun. W. C. Hooper. 145,805; Oct. 22.
Watchcase. J. Shemanski. 145,823; Oct. 22.
Workbench, Laboratory. J. Bjorksten. 145,784–5; Oct. 22.
Writing unit, Desk. P. White. 145,828; Oct. 22.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetylene generator. W. D. Burch. 2,409,833; Oct. 22.
Acid salts of a guanidine as mothproofers, Resinous dibasic carboxylic. V. Migrdichian. 2,409,883; Oct. 22.
Adjustable drill mounting. A. Feucht. 2,409,843; Oct. 22.
Adjustable harness clip. C. Lund. 2,409,772; Oct. 22.
Agents for the recovery of magnesium ions from brine, Process and. M. J. Hunter and W. C. Bauman. 2,409,861; Oct. 22.
Air control instrument. A. E. Krogh. 2,409,871; Oct. 22.
Aircraft launching means. A. V. Janiewski. 2,409,763; Oct. 22.
Alkali chlorine diaphragm, Electrolytic. K. E. Stuart. 2,409,912; Oct. 22.
Alkylene-bis-ureas. W. R. Boon. 2,409,829; Oct. 22.
Alloy for high temperature use, Machineable. N. G. Rehnqvist. 2,409,797; Oct. 22.
Aminomethyl amidothiazoles. L. H. Bock, H. C. E. Johnson, and L. J. Armstrong. 2,409,828; Oct. 22.
Ammunition. W. J. Lowes. 2,409,945; Oct. 22.
Antisiphon ball cock valve. J. C. Owens. 2,409,890; Oct. 22.
Apparatus for continuously processing metal strips. F. W. Lorig, L. L. Miller, and F. E. Robinson. 2,409,770; Oct. 22.
Apparatus for feeding and delivering ammunition blanks. E. H. Birdsall. 2,409,657; Oct. 22.
Apparatus for introducing molten material into molds. H. E. McWane and H. K. McGavock. 2,409,779; Oct. 22.
Apparatus for loading and unloading moving floor vehicles. J. A. Kinnaird. 2,409,870; Oct. 22.
Apparatus for selective control and indication systems. A. J. Sorensen. 2,409,719; Oct. 22.
Apparatus for the production of ammonium sulphate. C. Otto. 2,409,790; Oct. 22.
Apparatus for unbelting ammunition. M. R. Williams. 2,409,651; Oct. 22.
Appliance. H. Cohen. 2,409,929; Oct. 22.
Appliance for measuring the velocity of projectiles. F. Fischer and W. Amrein. 2,409,672; Oct. 22.
Arbor, Coil supporting. J. W. Dougherty. 2,409,742; Oct. 22.
Arch support. W. M. Scholl. 2,409,960; Oct. 22.
Arm and hand, Artificial. D. C. Mollenhour. 2,409,884; Oct. 22.
Aryl-dicyandiamide production. W. Broadbent and F. L. Rose. 2,409,832; Oct. 22.
Attachment for drill presses or the like. J. L. Reppa. 2,409,706; Oct. 22.
Attachment for looms, Metal type stop motion. J. F. Koskela. 2,409,766; Oct. 22.
Baby chair. L. Gottfried. 2,409,622; Oct. 22.
Bag tube ends, Closing. W. J. Geimer and F. R. Linda. 2,409,621; Oct. 22.
Ball forming mill. D. E. Wells. 2,409,649; Oct. 22.
Balsa slices, Producing. D. Newmark and W. Kramer. 2,409,785; Oct. 22.
Banding machine. C. T. Walter and L. R. Newton. 2,409,724; Oct. 22.
Banding machine. E. R. Workman. 2,409,652; Oct. 22.
Basin for blast furnace cinder runners, Settling. H. F. Dobscha. 2,409,741; Oct. 22.
Basket, Trundle. C. H. Norton. 2,409,786; Oct. 22.
Bat, Insulating. J. H. Nootens. 2,409,951; Oct. 22.
Battery, Storage. W. W. Smith. 2,409,964; Oct. 22.
Bearing construction. G. P. Lessmann. 2,409,874; Oct. 22.
Bicycle, Motor. G. F. Murphy. 2,409,887; Oct. 22.
Billet scarfing method and apparatus. J. L. Anderson. 2,409,654; Oct. 22.
Binding for platform soles, Shoe. H. Pecker. 2,409,892; Oct. 22.
Blanks for use in the manufacture of sliders for slide fasteners. M. Voity and G. A. Griffiths. 2,409,966; Oct. 22.
Blasting apparatus, Sand. W. Stark and A. P. Gately. 2,409,722; Oct. 22.
Blind, Venetian. M. W. Albrecht. 2,409,821; Oct. 22.
Block: *See*—
  Toolmaker's angle block.
Bobbin winding machine. B. Marcellus. 2,409,639; Oct. 22.
Bolt, Insert. B. K. Lyon. 2,409,638; Oct. 22.
Bomb sight. H. C. Van Auken and G. N. Hanson. 2,409,648; Oct. 22.
Bonding of rubber to metal, Direct. O. W. Hosking. 2,409,759; Oct. 22.
Booth, Dining. J. C. Shikles. 2,409,805; Oct. 22.
Bottle carrier. T. H. Jenkins. 2,409,684; Oct. 22.
Bottle cover. B. Zimmern. 2,409,820; Oct. 22.
Bottles and the like, and manufacture, Paper. J. E. Annen. 2,409,655; Oct. 22.
Box: *See*—
  Camera film box. Chick box.
Brake: *See*—
  Variable load brake.
Brush and art of commutation. H. H. Wikle. 2,409,818; Oct. 22.
Brush, Fountain. C. A. Notman. 2,409,952; Oct. 22.
Buffer, Eyelash. C. J. Altman. 2,409,823; Oct. 22.
Building block lifter. F. A. Dostal. 2,409,932; Oct. 22.
Building machine, Tire. W. J. Breth and R. M. Wormal. 2,409,974; Oct. 22.
Bundle and producing the same. J. B. Frear. 2,409,750; Oct. 22.
Burner: *See*—
  Oil burner. Weed burner.
Butadiene-styrene synthetic rubber, Curing. L. R. Sperberg. 2,409,809; Oct. 22.
Cable for high-frequency oscillators, Power. F. J. Moles. 2,409,640; Oct. 22.
Calibrating device. P. C. Gardiner and J. E. Maynard. 2,409,845; Oct. 22.
Camera film box. J. W. McCutcheon. 2,409,949; Oct. 22.
Can making machine. L. L. Jones. 2,409,631; Oct. 22.
Carburetor. S. F. Czerner. 2,409,739; Oct. 22.
Carburetor attachment. J. Hutchinson. 2,409,937; Oct. 22.
Car construction. D. Hindahl. 2,409,856; Oct. 22.
Carrier: *See*—
  Bottle carrier. Luggage carrier.
Carton with transparent window, Paper display. J. D. Calmi. 2,409,736; Oct. 22.
Case: *See*—
  Plastic milk carton case.
Catch, Cupboard. H. Quigley and H. Ter Meer. 2,409,794; Oct. 22.
Catch, Door. E. W. Allen. 2,409,822; Oct. 22.
Cement manufacture. B. E. Roetheli. 2,409,707; Oct. 22.
Chain: *See*—
  Mining machine chain.
Chain-saw machine. A. W. Mall and W. L. Gorden. 2,409,775; Oct. 22.
Chair: *See*—
  Baby chair.
Chair. S. S. Bernstein. 2,409,826; Oct. 22.
Checker, Thread. R. E. Bauer. 2,409,924; Oct. 22.
Chemical process. R. M. Hill and C. H. Watkins. 2,409,681; Oct. 22.
Chemical process and products. C. E. Schweitzer. 2,409,712; Oct. 22.
Chest, Display. R. A. Bloom. 2,409,926; Oct. 22.
Chick box. G. Loth. 2,409,701; Oct. 22.
Chlorine dioxide, Production of. W. S. Hutchinson. 2,409,862; Oct. 22.
Chuck, Cap. M. S. Resina. 2,409,899; Oct. 22.
Chuck, Lathe. C. C. Heeter. 2,409,680; Oct. 22.
Cigarette maker. A. J. Hongo. 2,409,935; Oct. 22.
Circuit breaker, Oil. F. M. Terry. 2,409,723; Oct. 22.
Circuit breaker. F. G. Von Hoorn. 2,409,917; Oct. 22.
Clamp for pneumatic tires, Bead. F. H. Comey. 2,409,666; Oct. 22.
Clearing attachment for jaw crushing machines, Material. A. F. Hyde. 2,409,863; Oct. 22.
Clip: *See*—
  Adjustable harness clip.
Closure, Bottle. E. Greene. 2,409,846; Oct. 22.
Closures to containers, Applying. A. G. Osborne. 2,409,788; Oct. 22.
Cloth, Tracing. C. J. Staud. 2,409,990; Oct. 22.
Clutch: *See*—
  Hydraulic clutch.
Clutch. F. L. Hetzel and V. E. Carstedt. 2,409,757; Oct. 22.
Coat hanger. C. L. Rothweiler. 2,409,708; Oct. 22.
Coated board, Manufacture of. C. C. Heritage. 2,409,628–9; Oct. 22.
Coated vegetable-fiber board, Making a. C. C. Heritage and H. B. Walter. 2,409,630; Oct. 22.
Coating compositions for moisture-proofing by hot melt coating. M. Salo. 2,409,985–6; Oct. 22.
Communication systems, Suppression of noise in. S. T. Fisher. 2,409,977; Oct. 22.
Composition for cleaning dentures. F. D. Snell and K. W. Haeseler. 2,409,718; Oct. 22.
Composition for discharge printing. E. C. Jensen, H. G. Scull, and J. G. McNally. 2,409,980; Oct. 22.

Compressor, Centrifugal type. J. S. Alford. 2,409,837; Oct. 22.
Compressor, Centrifugal type. E. L. Coe. 2,409,836; Oct. 22.
Container: *See*—
  Cosmetic container. Metal container.
  Dispensing container.
Container. C. E. Nyberg. 2,409,692; Oct. 22.
Container having reinforced ends and integral hinged closure, Fiberboard. W. G. Glascoff, Jr., and C. W. Evert. 2,409,673; Oct. 22.
Container with resinous foam, Filling. K. E. Stober. 2,409,910; Oct. 22.
Containers, Sealing. A. G. Osborne. 2,409,789; Oct. 22.
Control and indication system, Selective. W. P. Place and A. B. Miller. 2,409,720; Oct. 22.
Control mechanism, Fluid pressure. W. A. Eaton. 2,409,842; Oct. 22.
Control mechanism, Interval. E. L. Kent. 2,409,941; Oct. 22.
Control system. W. A. Derr and M. E. Reagan. 2,409,840; Oct. 22.
Control system. R. M. Strong. 2,409,911; Oct. 22.
Control system, Electrical position. G. Agins. 2,409,970; Oct. 22.
Control system, Locomotive. R. M. Dilworth, T. O. Lillquist, and D. H. Queeney. 2,409,740; Oct. 22.
Control system, Pump pressure. R. R. Curtis. 2,409,975; Oct. 22.
Controller mechanism. R. G. Janes. 2,409,762; Oct. 22.
Conveyance, Load pick-up hauling and dumping. P. E. Goodwin. 2,409,752; Oct. 22.
Cooling apparatus. J. F. Plummer, Jr. 2,409,896; Oct. 22.
Cosmetic container. C. R. Book. 2,409,658; Oct. 22.
Coupler, Automatic scale model. A. R. Wicher. 2,409,920; Oct. 22.
Coupler, Standing wave. H. M. Strobel. 2,409,991; Oct. 22.
Coupler, Traveling wave. H. M. Strobel. 2,409,992; Oct. 22.
Coupling. E. B. Wiggins. 2,409,650; Oct. 22.
Cover: *See*—
  Bottle cover.
Creping machine. L. A. Straubel, Sr. 2,409,997; Oct. 22.
Croquignole iron. J. Pope. 2,409,791; Oct. 22.
Crystal mounting. J. J. Cress. 2,409,838; Oct. 22.
Cyanomethyl dialkyl orthoformates, Preparation of. D. J. Loder and W. F. Gresham. 2,409,699; Oct. 22.
Cyclopentanopolyhydrophenanthrene series and making same, Compounds of the. T. Reichstein. 2,409,798; Oct. 22.
Dehydrator. W. W. O'Neal and R. D. Williams. 2,409,787; Oct. 22.
Detector and automatic stop device for textile machines, Fault. D. G. Scrantom. 2,409,961; Oct. 22.
Detector, Ground. E. Monori and C. B. Myhre. 2,409,885; Oct. 22.
Device for conforming a shoe upper to the shape of a last. M. Spack. 2,409,721; Oct. 22.
Differential locking means. E. T. Barron. 2,409,729; Oct. 22.
Dilatometer structure. H. W. Dietert. 2,409,669; Oct. 22.
Discharge device, High-voltage. C. M. Slack, L. F. Ehrke, and C. E. Dawley. 2,409,716; Oct. 22.
Discharge device. J. H. Stroop. 2,409,647; Oct. 22.
Dispensing container. H. Fleisher and J. Homer. 2,409,933; Oct. 22.
Display table. R. A. Bloom. 2,409,925; Oct. 22.
Distributor, Signal. S. J. Elliott, O. M. Hovgaard, R. F. Mallina, and F. M. Thomas. 2,409,617; Oct. 22.
Dyes, Pyrrole. L. G. S. Brooker and R. H. Sprague. 2,409,612; Oct. 22.
Ejector for heel seat fitting machines, Chip. T. B. Clarke and F. W. H. Williams. 2,409,737; Oct. 22.
Electric arc device. C. M. Slack and E. G. F. Arnott. 2,409,715; Oct. 22.
Electrical discharge device. E. F. Lowry and F. P. Rogers. 2,409,771; Oct. 22.
Electrical instrument, Direct current ratio measuring. R. G. Jewell. 2,409,866; Oct. 22.
Electrode support. D. G. Clifford. 2,409,664; Oct. 22.
Electron discharge apparatus. A. L. Samuel. 2,409,644; Oct. 22.
Electron discharge device. H. J. Dailey. 2,409,667; Oct. 22.
Electron discharge device. A. H. Laidig. 2,409,694; Oct. 22.
Electronic computing device. G. A. Morton and L. E. Flory. 2,409,689; Oct. 22.
Electron discharge device. E. C. Okress. 2,409,693; Oct. 22.
Engine: *See*—
  Internal-combustion engine. Sleeve valve engine.
Esters of alkyl-substituted alkoxy benzoid acids, Amino alcohol. W. G. Christiansen and S. E. Harris. 2,409,663; Oct. 22.
Ethylbenzene, Production of. L. Schmerling. 2,409,802; Oct. 22.
Ethylene polymerization. M. J. Roedel. 2,409,996; Oct. 22.
Explosives and their manufacture, Low density granular or powder. J. Whetstone. 2,409,919; Oct. 22.
Fabric and making the same, Stabilized. E. C. Pfeffet, Jr., J. A. Tweed, and J. Jarmak. 2,409,894; Oct. 22.
Fabrics, Production of laminating. A. Lyem. 2,409,704; Oct. 22.
Fastener. R. W. Luce. 2,409,702; Oct. 22.
Fibers, Drying staple. H. C. R. Folmer. 2,409,747; Oct. 22.
Feed means, Hydraulic. J. W. Hackett and K. L. G. Copping. 2,409,850; Oct. 22.
Field emission arc discharge tube. C. M. Slack, A. Pfeiffer, and C. E. Dawley. 2,409,717; Oct. 22.
Filler system for ammunition, Nonleak liquid explosive. N. M. Hopkins. 2,409,858; Oct. 22.
Firearm, Repeating. V. A. Browning. 2,409,733; Oct. 22.
Fire escape. E. C. Larson. 2,409,767; Oct. 22.
Fireplace. G. N. Bolinger. 2,409,731; Oct. 22.
Fishing rod indicator. G. R. Schwebs. 2,409,988; Oct. 22.
Fittings to containers, Securing. L. Shakesby, C. A. R. Sutherland and S. H. Smith. 2,409,907; Oct. 22.
5,5-diaryl hydantoins, Obtaining. H. R. Henze. 2,409,755–6; Oct. 22.
Flare, Illuminating. C. D., A. J., and C. Schermuly. 2,409,905; Oct. 22.
Flash lamps, Means to ignite photographic. L. Weisglass. 2,409,967; Oct. 22.
Fluorescent glow lamp. W. E. Leyshon. 2,409,769; Oct. 22.
Fuel pump. S. M. Udale. 2,409,965; Oct. 22.
Fuel system. R. R. Curtis. 2,409,931; Oct. 22.
Fuels, Improving aviation. K. C. Laughlin. 2,409,695; Oct. 22.
Fuels, Motor. T. W. Evans and A. G. Cattaneo. 2,409,746; Oct. 22.
Furfural in extractive distillation plants, Reducing corrosion and polymerization. V. Mertz. 2,409,781; Oct. 22.
Fuselages, Constructing tubular. L. C. Miller and G. E. Scarlett. 2,409,782; Oct. 22.
Garment hanger. O. C. Byrket. 2,409,927; Oct. 22.
Garment hanger. E. F. Ramstack and C. R. Clafendetcher. 2,409,956; Oct. 22.
Gaseous discharge tube. C. Hillyer, Jr., and H. Blackstone. 2,409,855; Oct. 22.
Gases, Purifying exhaust. B. Baringoltz. 2,409,825; Oct. 22.
Gauge. R. J. A. Ingouf and J. H. Lewis. 2,409,864; Oct. 22.
Gauge. G. D. Webber. 2,409,817; Oct. 22.
Gauging and assorting apparatus. L. B. Horton and F. C. Speed. 2,409,682; Oct. 22.
Gauging means for lawn mowers. F. D. Wulff. 2,409,924; Oct. 22.
Gel, Non-aqueous. H. C. Meyer, Jr. 2,409,950; Oct. 22.
Generator: *See*—
  Acetylene generator. Linear generator.
  High frequency pulse generator. Oscillation generator.
Glazing unit. C. E. Sowle. 2,409,808; Oct. 22.
Gun charger. H. C. Grant, Jr. 2,409,623; Oct. 22.
Gun, Lever. C. E. Fitch. 2,409,619; Oct. 22.
Gun mount. H. W. Evans. 2,409,618; Oct. 22.
Gunfire control, System and apparatus for. F. E. Valentine and W. F. Skillin. 2,409,914; Oct. 22.
Gun, Multiple barrel. R. L. Jenkinson. 2,409,939; Oct. 22.
Gyro assembly. B. G. Martin. 2,409,875; Oct. 22.
Gyro vertical. F. D. Braddon. 2,409,659; Oct. 22.
Gyroscopic controlling means. A. W. Lane. 2,409,634; Oct. 22.
Hairpin stand. W. W. Jones. 2,409,867; Oct. 22.
Hand loom. M. K. Durrin. 2,409,743; Oct. 22.
Handle fastening, Adjustable tool. T. J. McIntosh. 2,409,879; Oct. 22.
Hanger: *See*—
  Coat hanger. Skirt hanger.
  Garment hanger.
Heater: *See*—
  High-temperature gas heater. Space heater.
Heat exchange. H. Y. Lankford. 2,409,873; Oct. 22.
Heat transfer assembly. H. J. Dailey. 2,409,668; Oct. 22.
Heating attachment for horns. O. H. Pearson. 2,409,954; Oct. 22.
Heddle bar lock. D. E. Buice, Sr. 2,409,735; Oct. 22.
High-frequency pulse generator. J. A. Rado. 2,409,897; Oct. 22.
High-temperature gas heater. R. Ruegg. 2,409,801; Oct. 22.
Hitch, Automatic. C. Brodale. 2,409,831; Oct. 22.
Holder: *See*—
  Multiple crystal holder. Wrench holder.
  Photograph holder.
Holding device. W. Blankner. 2,409,827; Oct. 22.
Hydantoins, Obtaining. H. R. Henze. 2,409,754; Oct. 22.
Hydraulic clutch. H. E. Morton. 2,409,995; Oct. 22.
Hydraulic selector valve. O. A. Kehle. 2,409,765; Oct. 22.

Hydrocarbon oils, Desulphurization of. E. W. S. Nicholson and A. K. Redcay. 2,409,690; Oct. 22.
Hydrocarbons, Catalytic conversion of. C. G. Gerhold and J. E. Burgess. 2,409,751; Oct. 22.
Hydrocarbons from gases, Recovering volatile. F. G. Noble. 2,409,691; Oct. 22.
Images of dichroic materials, Forming. W. H. Ryan, A. Barnes, and H. P. Husek. 2,409,959; Oct. 22.
Indicating means for valves. H. M. Reeves. 2,409,796; Oct. 22.
Indicating system. J. H. Foulger and P. E. Smith, Jr. 2,409,749; Oct. 22.
Indicator: *See*—
Fishing rod indicator.
Indium, Electrodeposition of. W. M. Martz. 2,409,983; Oct. 22.
Indole, Preparation of. W. F. Gresham and W. M. Bruner. 2,409,676; Oct. 22.
Instrument for blood transfusion. R. Bucher. 2,409,734; Oct. 22.
Instrument for examining polarized light, Optical. P. C. Heijn. 2,409,853; Oct. 22.
Instruments, Moving-coil electrical. S. J. Smith. 2,409,963; Oct. 22.
Internal-combustion engine. T. R. Anderson. 2,409,609; Oct. 22.
Internal-combustion engines, Charge forming method and apparatus for. A. G. Bodine. 2,409,611; Oct. 22.
Iodine images, Forming. A. Barnes and H. P. Husek. 2,409,923; Oct. 22.
Iron: *See*—
Croquignole iron.
Jig for trimming boiler tubes. J. A. Maples. 2,409,776; Oct. 22.
Lamp: *See*—
Fluorescent glow lamp.
Lasting machine. C. A. Robinson. 2,409,642; Oct. 22.
Leaf, Filter. F. E. Reinhardt. 2,409,705; Oct. 22.
Level control, Liquid. C. O. Lavett and H. F. Kerker. 2,409,768; Oct. 22.
Lever for loom pattern mechanism. W. A. Blanchard. 2,409,973; Oct. 22.
Lever for pattern mechanism, Vibrator. W. A. Blanchard. 2,409,972; Oct. 22.
Lifter: *See*—
Building block lifter.
Lighting fixture servicing implement, Fluorescent. R. T. Riker and J. H. Molat. 2,409,900; Oct. 22.
Linear generator. C. M. Hines and J. W. Rush. 2,409,857; Oct. 22.
Liquids from solids, Separation of. L. P. Sharples. 2,409,713; Oct. 22.
Lock: *See*—
Heddle bar lock. Nut lock.
Lock for bus or car window construction, Sash. J. Schunk. 2,409,711; Oct. 22.
Locomotive underframe. M. P. Blomberg and O. J. Stampen. 2,409,730; Oct. 22.
Loom: *See*—
Hand loom.
Lubricant. E. N. Roberts. 2,409,799; Oct. 22.
Lubricant composition. C. Winning and J. G. McNab. 2,409,726; Oct. 22.
Luggage carrier. D. W. MacLeod. 2,409,946; Oct. 22.
Machine for forming heavy silver lap. T. S. Ramsdell. 2,409,898; Oct. 22.
Machine for gluing laths together. G. Maurer. 2,409,777; Oct. 22.
Machine for operating on materials. L. A. Welsch. 2,409,968; Oct. 22.
Machine for shaping stock. A. A. Schwartz. 2,409,903; Oct. 22.
Machine for threading coil forms. S. H. Stupakoff. 2,409,993; Oct. 22.
Metal container. W. F. Punte. 2,409,793; Oct. 22.
Metering apparatus, Liquid. R. B. Longmate. 2,409,982; Oct. 22.
Microspray device. H. O. Schroeder and A. W. Lindquist. 2,409,987; Oct. 22.
Mill: *See*—
Ball forming mill.
Milk pail attachment. A. C. Schwenker. 2,409,804; Oct. 22.
Mine clearing snake, Twin tube. G. G. Greulich. 2,409,848; Oct. 22.
Mine destroyer. L. Langner. 2,409,635; Oct. 22.
Mining apparatus. L. E. Simmons. 2,409,807; Oct. 22.
Mining machine chain. F. L. Fulke. 2,409,978; Oct. 22.
Mixing machine. H J. Seaman. 2,409,646; Oct. 22.
Mop yarn and mop made therefrom. W. S. Briggs. 2,409,660; Oct. 22.
Motor: *See*—
Variable-speed motor.
Mounting: *See*—
Adjustable drill mounting. Crystal mounting.
Multiple crystal holder. H. M. Bach. 2,409,607; Oct. 22.
Muzzle closing mechanism. V. F. Lucht. 2,409,637; Oct. 22.
Necktie. R. E. Edmondson. 2,409,744; Oct. 22.
Needle, Hypodermic. R. L. Huber. 2,409,979; Oct. 22.
Nicotinic compounds, Synthesis of. W. Shive and R. A. Glenn. 2,409,806; Oct. 22.
Nut lock. W. R. Williams. 2,409,969; Oct. 22.
Oil burner. J. T. Grotenhous. 2,409,677; Oct. 22.
Oil, Compounded lubricating. J. G. McNab and D. T. Rogers. 2,409,686; Oct. 22.
Oil, Lubricating. R. L. May. 2,409,877–8; Oct. 22.
Oil soluble polyalkyl aromatic sulfonates, Substantially. J. Faust. 2,409,671; Oct. 22.
Olefin polymers, Production of. G. C. Bailey. 2,409,727; Oct. 22.
Olefins, Manufacture of. C. K. Viland and H. Y. Hyde. 2,409,815; Oct. 22.
Oleoresin acids, Treatment of primary. R. F. B. Cox. 2,409,930; Oct. 22.
Opening and filling apparatus, Bag. M. J. Harrington and S. E. Hammer. 2,409,626; Oct. 22.
Ortho-substituted ring compounds, Two-stage distillation of. D. B. Luten, Jr., and A. De Benedictis. 2,409,773; Oct. 22.
Oscillation generator. W. W. Fritschi. 2,409,620; Oct. 22.
Package, Fluid-tight. H. F. Waters. 2,409,998; Oct. 22.
Packer, Control head. R. G. Taylor, Jr., and D. B. Hooser. 2,409,812; Oct. 22.
Pan, Loading. P. F. Toohey. 2,409,994; Oct. 22.
Paper, Treating water resistant. W. H. McDowell. 2,409,984; Oct. 22.
Pen, Fountain. J. Gregg. 2,409,847; Oct. 22.
Pen, Fountain. J. J. Kelley. 2,409,869; Oct. 22.
Perylene derivatives. N. H. Haddock. 2,409,851; Oct. 22.
Photograph holder. F. J. Vargish. 2,409,814; Oct. 22.
Pipe joining device. H. W. Jewell. 2,409,865; Oct. 22.
Piston assembly. C. N. Kahl. 2,409,868; Oct. 22.
Piston for internal-combustion engines. J. L. Harrah. 2,409,852; Oct. 22.
Piston ring. S. E. Jessup. 2,409,764; Oct. 22.
Plastic milk carton case. L. C. Folst. 2,409,748; Oct. 22.
Plastics, Automatic molding of. J. B. Whitmore, W. Makenny, and F. A. Newcombe. 2,409,725; Oct. 22.
Plug: *See*—
Spark plug.
Plywood structure. W. E. Wilson. 2,409,819; Oct. 22.
Pole, Towing. E. C. Christensen. 2,409,662; Oct. 22.
Polish compositions. B. W. Howk, J. R. Roland, and H. H. Hoehn. 2,409,683; Oct. 22.
Polyaminoacetals, Preparation of. W. F. Gresham. 2,409,675; Oct. 22.
Polymeric materials. E. L. Martin. 2,409,948; Oct. 22.
Polymers of ethylene and halovinyl compounds and their preparation. W. E. Hanford and J. R. Roland. 2,409,679; Oct. 22.
Polymers of unsaturated compounds and producing same. E. L. Kropa. 2,409,633; Oct. 22.
Positioning system, Electrical. G. H. Phelps. 2,409,895; Oct. 22.
Preparation of laminating fabric. A. Lyem. 2,409,703; Oct. 22.
Press. J. P. Barbour. 2,409,824; Oct. 22.
Printing plate clamping mechanism. A. Braunworth. 2,409,830; Oct. 22.
Prisms, Molding. H. G. Rogers and D. P. Cooper, Jr. 2,409,958; Oct. 22.
Projector, Catadioptric television. H. F. Bennett. 2,409,971; Oct. 22.
Protractor, Bevel. V. H. Grey. 2,409,849; Oct. 22.
Pump: *See*—
Fuel pump.
Pumps for lubricants and the like. S. D. Shearman. 2,409,962; Oct. 22.
Reactor. L. A. Mekler. 2,409,780; Oct. 22.
Receiver and dehydrator, Combination. M. T. Cahenzli, Jr. 2,409,928; Oct. 22.
Recording apparatus. G. G. A. Ericsson. 2,409,745; Oct. 22.
Rectifier, Gas-filled electric. H. T. Ramsay. 2,409,955; Oct. 22.
Refractory, Basic cast, T. E. Field. 2,409,844; Oct. 22.
Refrigerant distributing means. F. Y. Carter. 2,409,661; Oct. 22.
Remote control system. L. V. Lewis. 2,409,696; Oct. 22.
Resin-fiber article and making the same. E. E. Sawyer. 2,409,645; Oct. 22.
Resin, Synthetic. M. J. Scott. 2,409,906; Oct. 22.
Reversible fluid-operated and fluid-operating mechanism. R. J. L. Moineau. 2,409,688; Oct. 22.
Reversing mechanism for power operated drills. C. L. Conner. 2,409,738; Oct. 22.
Rim, Separable. L. B. Russell, Jr. 2,409,901; Oct. 22.
Ring: *See*—
Piston ring.
Rocket. C. D., A. J., and C. Schermuly. 2,409,904; Oct. 22.
Rod centralizer, Firearm cleaning. C. W. Varcoe. 2,409,916; Oct. 22.
Rod to reel connection. P. Kay. 2,409,940; Oct. 22.
Rubberlike materials, Preparing. B. M. Vanderbilt and R. F. Howe. 2,409,915; Oct. 22.
Safety mechanism for brakes. I. W. Simpkins. 2,409,908; Oct. 22.

Salt and making it, Drier metal. G. P. Mack and C. A. Klebsattel. 2,409,774; Oct. 22.
Sander. W. A. Baldwin. 2,409,728; Oct. 22.
Sands, Purification of industrial. A. T. Cole and J. B. Duke, and L. L. McMurray. 2,409,665; Oct. 22.
Saw set. E. F. Huffsmith. 2,409,760; Oct. 22.
Screening device for spark plugs. D. B. Browne, F. W. Clarke and R. H. G. Painter. 2,409,732; Oct. 22.
Seal, Shaft bearing. E. R. Zademach and W. W. Clarke. 2,409,922; Oct. 22.
Seat. F. P. Silhan. 2,409,714; Oct. 22.
Selecting apparatus for remote-control systems. L. V. Lewis. 2,409,698; Oct. 22.
Selenium, Producing pure. C. W. Clark, E. M. Elkin, and G. R. Waitkins. 2,409,835; Oct. 22.
Semiconducting composition. W. W. Pendleton and L. E. Frost. 2,409,893; Oct. 22.
Separator. R. W. Haase. 2,409,625; Oct. 22.
Setting and releasing tool. R. G. Taylor, Jr., and D. B. Hooser. 2,409,811; Oct. 22.
Sewing and darning machine, Convertible. R. K. Hohmann and E. D. Boisselier. 2,409,758; Oct. 22.
Shaft torsion measuring means. E. J. Martin, C. E. Grinstead, and R. N. Frawley. 2,409,876; Oct. 22.
Shoe. T. Saval. 2,409,902; Oct. 22.
Shoe machine. C. A. Robinson. 2,409,643; Oct. 22.
Shoemaking. R. A. Huebel. 2,409,860; Oct. 22.
Shoemaking. H. G. McMurray. 2,409,880; Oct. 22.
Shoe, Reversible. A. G. Timson. 2,409,813; Oct. 22.
Shutoff device and cock, Combined thermoelectric safety. H. A. Mantz. 2,409,947; Oct. 22.
Signal flash. H. Reynolds. 2,409,957; Oct. 22.
Signaling system. E. R. Shenk and J. E. Smith. 2,409,989; Oct. 22.
Skirt hanger. E. W. Loselle. 2,409,700; Oct. 22.
Sleeve valve engine. K. L. Hulsing. 2,409,761; Oct. 22.
Snubber for hoists. A. Meyer. 2,409,881; Oct. 22.
Soaps, Preparation of. C. H. Hamblet. 2,409,678; Oct. 22.
Soldering, Method of and apparatus for. T. A. Daniel. 2,409,615; Oct. 22.
Space heater. A. P. Livar. 2,409,981; Oct. 22.
Spark plug. H. Rabezzana. 2,409,795; Oct. 22.
Stand: *See*—
Hairpin stand.
Stapling machine. H. S. Heller. 2,409,854; Oct. 22.
Storage battery. W. F. Donkin. 2,409,841; Oct. 22.
Strand forming apparatus. W. C. Ewaldson. 2,409,670; Oct. 22.
Stretcher, Folding. C. C. Haggard and J. B. Meehan. 2,409,934; Oct. 22.
Subsurface formations, Determining permeability of. J. W. Graybeal. 2,409,674; Oct. 22.
Sulfonates, Substantially oil soluble poly alkyl aromatic. J. Faust. 2,409,671; Oct. 22.
Sulfur and metal containing compound. D. T. Rogers and J. G. McNab. 2,409,687; Oct. 22.
Sulphate, Turpentine, Refining. R. A. Collins. 2,409,614; Oct. 22.
Support: *See*—
Arch support. Electrode support.
Suspenders. E. Stempel. 2,409,810; Oct. 22.
Syringe, Hypodermic. H. S. Austin. 2,409,656; Oct. 22.
Syrup and process, Sugar. D. V. Wadsworth and M. F. Hughes. 2,409,816; Oct. 22.
System for space-scanning with a radiated beam of wave signal. A. V. Loughren. 2,409,944; Oct. 22.
Table: *See*—
Display table.
Tape moving mechanism. R. A. Clapp. 2,409,834; Oct. 22.
Tape serving machine. T. H. Krueger. 2,409,872; Oct. 22.
Teeth, Forming artificial. M. S. Moskey. 2,409,783; Oct. 22.
Temperature change compensating means. S. Rockafellow. 2,409,800; Oct. 22.
Timing device. J. Ogden. 2,409,888–9; Oct. 22.
Tool: *See*—
Setting and releasing tool.
Unitary boring and countersinking tool.
Tool for installing conduit clips. E. M. Morehouse. 2,409,784; Oct. 22.
Toolmaker's angle block. T. E. V. Hunt. 2,409,936; Oct. 22.
Torpedoes, Guiding means for self-propelled. R. W. King. 2,409,632; Oct. 22.
Toy. H. J. Criner. 2,409,839; Oct. 22.
Toy rocket gun. L. H. Amdur. 2,409,653; Oct. 22.
Toy, Rocking. R. G. Schneider. 2,409,803; Oct. 22.
Trainer, Pilot. W. H. Hutter. 2,409,938; Oct. 22.
Transformer, Electrical. A. Meyerhans. 2,409,882; Oct. 22.
Transmitting apparatus for remote control systems. L. V. Lewis. 2,409,697; Oct. 22.
Transparencies in mounts, Masking color. D. Dean. 2,409,976; Oct. 22.
Treating apparatus, Material. R. Pash. 2,409,953; Oct. 22.
Tube: *See*—
Field emission arc dis- Gaseous discharge tube.
charge tube.
Turbine, Internal-combustion. F. J. Smith and J. Isaac. 2,409,909; Oct. 22.
Twister traveler. P. C. Wentworth. 2,409,918; Oct. 22.
2-ethylhexyl fluoroacetate. J. L. Horsfall. 2,409,859; Oct. 22.
Ultra high frequency detector. A. E. Anderson. 2,409,608; Oct. 22.
Unitary boring and countersinking tool. M. H. De Bruin and E. F. Fiock. 2,409,616; Oct. 22.
Valve: *See*—
Antisiphon ball cock valve. Hydraulic selector valve.
Valve for hose couplings. J. H. Harrison and H. E. Byers. 2,409,753; Oct. 22.
Variable load brake. E. G. Mueller. 2,409,886; Oct. 22.
Variable-speed motor. L. C. Packer. 2,409,891; Oct. 22.
Venetian blind. D. Kwon. 2,409,943; Oct. 22.
Ventilating attachment for welders' helmets. W. D. O'Quinn. 2,409,641; Oct. 22.
Voltage regulation. W. H. Bixby. 2,409,610; Oct. 22.
Water from atmospheric air, Extracting. B. Granville. 2,409,624; Oct. 22.
Wave guide structure. L. Tonks. 2,409,913; Oct. 22.
Weed burner. W. C. Prewitt. 2,409,792; Oct. 22.
Welding machine. J. B. Little. 2,409,636; Oct. 22.
Winding device. W. G. Knapp. 2,409,942; Oct. 22.
Window construction, Bus or car. J. Schunk. 2,409,709–10; Oct. 22.
Wrench. S. Helgeson. 2,409,627; Oct. 22.
Wrench holder. W. C. Brooks. 2,409,613; Oct. 22.
Yard refuse collector. C. L. McCaffrey. 2,409,778; Oct. 22.
Zinc mercaptides with alkylene imines, Addition products of heterocyclic. P. C. Jones and R. A. Mathes. 2,409,685; Oct. 22.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 22, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 3: 2,409,854
2— 8: 2,409,641
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320— 22: 2,409,911

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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Des. 145,792	7: Des. 145,816	Des. 145,779	Des. 145,776	21: Des. 145,778	D90— 8: Des. 145,772
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U. S. GOVERNMENT PRINTING OFFICE: 1946

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 591—No. 5 TUESDAY, OCTOBER 29, 1946 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
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Designs	34—No.	145,830 to No.	145,863,	inclusive.
Total	858			

Order No. 4095

U. S. Patent Office, *Washington, D. C., Sept. 11, 1946.*

The classification of merchandise under the act of May 4, 1906, is hereby amended as follows:

The title of Class 45 is changed from "Beverages, nonalcoholic," to *Soft Drinks and Carbonated Waters.*

CASPER W. OOMS,
Commissioner.

Disclaimers

1,732,949.—*John D. Pedersen,* Springfield, Mass. Cartridge Clip. Patent dated Oct. 22, 1929. Disclaimer filed Oct. 4, 1946, by the inventor.

Hereby enters this disclaimer to claim 5 of said patent.

2,203,280.—*Almon A. Heath,* Hawthorne, Calif. Stencil Film. Patent dated June 4, 1940. Disclaimer filed Oct. 7, 1946, by the inventor.

Hereby disclaims claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 18, and 19 of said patent.

Adjudicated Patents

(C. C. A. N. Y.) Anderson patent, No. 2,197,089, for method and apparatus for making paper boxes, claims 15, 18, 24, and 34 *Held* invalid. *Bergstein* v. *Lowman Folding Box Corp.,* 156 F.(2d) 609; 70 USPQ 267.

(D. C. Wis.) Tower patent, No. 2,273,766, for a water hammer arrester, claims 1 to 4 *Held* invalid. *Water Hammer Arrester Corp.* v. *Tower,* 66 F. Supp. 732; 70 USPQ 277.

(D. C. Del.) Partee patent, No. 2,276,253, for wood finishing, *Held* invalid. *White* v. *E. L. Bruce Co.,* 66 F. Supp. 652; 70 USPQ 304.

(D. C. Del.) Partee and Gray patent, No. 2,288,585, for finishing wood flooring, claims 1, 2, and 5 *Held* invalid, but infringed if valid. *Id.*

(D. C. Del.) Partee and Gray patent, No. 2,341,161, for finishing wood flooring, claims 1, 2, 5, 6, and 7 *Held* invalid, but infringed if valid. *Id.*

Amendments to Rules of U. S. Court of Customs and Patent Appeals

On October 4, 1946 the United States Court of Customs and Patent Appeals adopted certain amendments to its Rules. The amendments affecting appeals in patent cases are as follows:

PRINTING OF RECORD

In paragraph 1 of Rule XXVI, line 18, after the words *"And provided further,"* strike out the words

> That the court or any judge thereof may, upon motion, for good cause shown, extend the time for printing the record:

and insert in lieu thereof the words

> That the court or any judge thereof may, upon motion, for good cause shown, extend the time for printing the record and for the payment of the cost for such printing.

REPLY BRIEFS

At the end of Rule XXVII insert as a new paragraph the following:

> 9. Reply and supplemental briefs may not be filed except by leave of the court or any judge thereof, for good cause shown.

Note: The above amendments are to bring the rules into conformity with the practice of the court in these particulars.

ARTHUR B. SHELTON,
Clerk.

Condition of Applications Under Examination at Close of Business October 4, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 125,106; Trade-Mark Division, 10,525. Oldest new case, February 28, 1945; oldest amended, April 16, 1945.)
(The dates given are 1945 except where † indicates 1946.)

	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1.	GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 29	July 16	2289
2.	HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 18	June 18	2034
3.	SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	June 9	July 3	1961
4.	BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Aug. 30	Aug. 24	2335
5.	ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 10	3509
6.	GENIESSE, E. W., Carbon Chemistry (part)	Oct. 22	Nov. 10	1735
7.	HANLIN, GEORGE, Optics, Photography	June 30	Nov. 8	1949
8.	IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 7	July 30	3099
9.	BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 30	May 5	2131
10.	ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	July 27	July 27	1485
11.	BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Feb. 11	Mar. 2	662
12.	SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 7	June 23	2443
13.	BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 13	June 28	1964
14.	FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Oct. 11	Sept. 21	1382
15.	HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Sept. 20	Sept. 7	1188
16.	LOVEWELL, N. N., Telegraphy; Telephony	Sept. 27	Sept. 11	1203
17.	HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 21	Apr. 21	1080
18.	KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 29	July 6	1752
19.	PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Oct. 25	Oct. 20	1518
20.	BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 27	June 28	1756
21.	THOMPSON, T. J., Textiles	Feb. 1	Jan. 19	734
22.	CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 18	1839
23.	LEWIS, J. B., Cash Registers; Calculators (part)	Aug. 1	Aug. 6	227
24.	LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Jan. 15	Feb. 5	1095
25.	BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	July 21	Sept. 1	1433
26.	YOUNG, R. R., Electricity—Generation and Motive Power	July 13	June 19	1825
27.	CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	June 13	June 22	1935
28.	SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	May 24	May 15	1399
29.	SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	July 21	June 30	2022
30.	BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 14	July 19	2268
31.	DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Mar. 19	Mar. 19	914
32.	LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Sept. 7	Sept. 21	1920
33.	KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	July 27	July 25	2810
34.	SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 31	Oct. 2	1133
35.	BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 27	Sept. 27	1805
36.	McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1553
37.	WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 29	May 29	1298
38.	KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Aug. 30	Sept. 19	1251
39.	WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 14	May 14	2318
40.	DRUMMOND, E. J., Receptacles (part); Packages	Aug. 10	Oct. 4	2272
41.	HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 9	June 7	820
42.	MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Sept. 27	Oct. 9	976
43.	STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 13	July 2	1217
44.	HARVEY, L. P., Refrigeration; Preserving	May 4	June 20	1124
45.	LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part) Spring, Weight and Horsepower Motors.	July 17	July 18	2358
46.	MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 11	Sept. 4	1391
47.	KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 18	Oct. 1	2485
48.	BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Apr. 11	Apr. 16	1892
49.	SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 7	Aug. 23	1512
50.	LEVIN, SAMUEL, Synthetic Resins	Oct. 2	Oct. 2	2202
51.	FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	June 20	June 28	2189
52.	KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 4	July 13	3082
53.	BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 24	May 17	3126
54.	STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	June 7	June 5	2065
55.	BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 13	Sept. 5	1585
56.	COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Aug. 11	Aug. 17	1447
57.	NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Feb. 28	June 11	2662
58.	DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 22	Dec. 5	1174
59.	SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 4	May 28	2019
60.	GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Sept. 4	1782
61.	YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	June 7	June 21	2477
62.	PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 16	May 10	3321
63.	WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	July 23	June 7	1914
64.	NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Mar. 7	Mar. 7	935
65.	McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 21	June 23	2338
	TRADE-MARKS: RICHMOND, F. A.	Dec. 26	†May 21	10525
	DESIGNS: KALUPY, H. H.	Dec. 4	†July 12	6587

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Falter

No. 5,171. Decided June 27, 1946

[—F.(2d)—; 70 USPQ 411]

Patentability—Manifolding Assembly.

Certain claims to a method of collating a manifolding assembly of superposed record sheets and to that manifolding assembly *Held* unpatentable over the prior art.

Appeal from the Patent Office. Affirmed.

Mr. Marston Allen for Falter.

Mr. W. W. Cochran (*Mr. H. S. Miller* of counsel) for the Commissioner of Patents.

Garrett, *P. J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner finally rejecting claims 13 to 15, inclusive, 25 and 29 of an application for a patent for a "Manifolding Assembly" as unpatentable over the patent to Mears, 1,042,707, October 29, 1912. Twenty-one claims were allowed.

The claims of the application fall into three groups: (1) to a stapling apparatus; (2) to a method of loose stapling; and (3) to a manifold assembly. All of the claims to the stapling apparatus were allowed; all but one of the claims to the method of loose stapling were allowed, and one relating to the manifold assembly was allowed. The rejected claims consist of method claim 25, and claims 13, 14, 15, and 29 for the manifold assembly. Claims 14, 15, and 25 are illustrative of the subject matter and read as follows:

14. A manifolding assembly for advancement past the recording position of a writing or imprinting machine including a plurality of superposed sheets and an oscillatory staple loosely connecting the sheets for to and fro swinging motion into different angular relation thereto, the legs of which are clenched in such relation to the head of the staple that they are of greater extent than the thickness of the assembly the construction and arrangement being such that the oscillatory adjustment of the staple relative to the sheets enables the formation of a compact packet for convenient passage through a writing or imprinting machine.

15. A manifolding assembly including a plurality of superposed sheets and a staple loosely interconnecting the sheets, the staple being capable of oscillatory motion into different positions inclined to the planes of the sheets enabling the staples to be deflected into acutely inclined relation with the planes of the sheets, whereby the sheets may be adjusted relative to each other and relative to the staple into echelon formation.

25. The herein described method of collating a manifolding assembly of superposed record sheets for passage through a writing or imprinting machine and past the recording position thereof, including loosely stapling an assembly of superposed sheets, by thrusting a staple through the sheet assembly, and clenching the legs of the staple in spaced relation with the head of the staple greater than the thickness of the sheet assembly to thereby enable oscillatory adjustment of the staple relative to the planes of the sheets and disposing the staple in a plane in acutely inclined relation with the sheets to facilitate its passage through a writing or imprinting apparatus.

The invention relates particularly to a method and means for loosely stapling sheets or strips of a manifolding assembly so that while fastened together the loose stapling permits the sheets or strips to shift one relative to the other.

The Mears patent relates to the stitching of leaves in signature form by means of staples, the legs of which are longer than the width of the signatures to be fastened. Its purpose is to so fasten the signatures that when a book is fully opened at any place it will remain in a flat position. The specification shows that each sheet is hinged by being flexed along a line near its rear edge, such hinging enabling the opened book to lie flat. The staples or stitches of wire are placed between the hinge line and the back edge of the assembly.

The Examiner pointed out that claims 13 and 14, providing for the assembly of sheets and staples, the legs of which are longer than the thickness of the sheets, were clearly met by the Mears structure, and the limitations in those claims that the staple be oscillatory into angular position with respect to the planes of the sheets and the shiftability of the sheets relative to one another along the legs of the staple were not considered by him to be patentable distinctions over the cited prior art. He further stated that the Mears assembly was capable of such movements.

With respect to claims 15 and 29, he held them to be fully met by the structure of the Mears patent for the stated reason that it showed a staple loosely connecting a plurality of sheets and capable of assuming an acute angular relation therewith.

He rejected method claim 25 for the reason that the oscillatory adjustment of the staple for feeding through the writing machine was a mere function of the assembly and further that the assembly of the Mears patent was capable of oscillatory movement.

In its decision the Board followed the reasoning of the Examiner.

It appears to us that any relative movement between the sheets and staples of appellant's assembly must of necessity be controlled by the relative length of the staple legs and the diameter of the holes in the sheets through which they extend.

That staples have been used in connection with the fastening of manifolding strips or sheets is acknowledged to be old in appellant's specification, wherein it is further stated that at least in one instance shifting of the sheets or strips has been attempted by means of preformed holes larger in diameter than the staple legs, which would permit relatively restricted longitudinal adjustment. He further states that the legs of his staples are manipulated during the stapling operation to enlarge the holes, resulting in lateral adjustment of the sheets as well.

In our opinion, the structure of the Mears assembly permits oscillatory movement between the sheets and the staples. Of course, such movement is not designed to be as free or extended as that of appellant's structure, but since it may be obtained we deem the structure to be sufficient in a patentable sense to justify the rejection of the claims. In the Mears assembly when the book is fully opened the legs of the staples are at an angle of less than 90° and, therefore, the requirement of an acute angle in such relationship is met.

For the reasons given the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE HONGER

No. 5,188. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 224]

PATENTABILITY—SAFETY DEVICES FOR EXPLOSIVE PROJECTILES.

In appellant's application on safety devices for explosive projectiles, certain claims, including generic claims, *Held* patentable over the references of record; and accordingly *Held* that the rejection of other claims as drawn to a non-elected species could not be sustained.

APPEAL from the Patent Office. Reversed.

Mr. Irvin S. Thompson for Honger.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 1 to 8, inclusive, and 10) in appellant's application for a patent for an alleged invention relating to safety devices for explosive projectiles to prevent premature ignition.

Claims 3 and 7 were rejected as being drawn to a non-elected species, no generic claim having been allowed. Accordingly, those claims are not before us for consideration on their merits.

Claim 1, which is a generic claim, is sufficiently illustrative of the appealed claims. It reads:

1. The combination, with a projectile fuse having a movable detonator member, of a movable locking member adapted to prevent actuation of said detonator member, a reversible horological escapement controlling the movement of said locking member, and a spring loaded bolt which normally prevents movement of said locking member from the locking position and is retracted against the action of its spring by the effect of inertia when the fuse is in flight, said locking member and said bolt having coacting cam surfaces with a mechanical advantage in favor of the bolt whereby said locking member is restored to the locking position by said bolt when said bolt, after partial retraction, is restored to normal position by its spring.

The references are: Varaud, 1,726,325, August 27, 1929; Birkigt, 2,116,820, May 10, 1938.

The apparatus here involved is a safety device for explosive projectiles and comprises means for preventing the striking pin from accidentally engaging the explosive charge before the projectile is fired. In the preferred form of the invention, the striker pin is mounted for movement axially of the projectile and is provided with a collar which is normally engaged by a radially movable locking member for restraining the pin against movement toward the charge. The spinning of the projectile, after firing, causes the locking member to move outwardly, due to centrifugal force, and release the pin which strikes the "detonating pellet" and causes the shell to explode. The locking member is connected with a reversible escapement mechanism which retards its movement so that the pin will be released at a predetermined time after firing.

Accidental movement of the locking member is prevented in appellant's structure by a bolt which is urged by a spring into a position in which it engages the locking member and blocks the movement thereof. When the projectile is fired, the inertia of the bolt causes a relative movement between the bolt and the locking member, resulting in the complete removal of the bolt from the path of the locking member. A latching means then prevents the return of the bolt to its original position. The engaging faces of the bolt and locking member are cammed at such an angle that if the bolt is accidentally displaced, as by a blow in handling the projectile, the return of the bolt, by its spring, to its normal position will also return the locking member to normal position if it has been displaced. Since the bolt and locking member are thus returned after each displacement, the striking pin cannot be released by the cumulative effect of a series of shocks.

Each of the claims presented here for consideration on the merits (Nos. 1, 2, 4, 5, 6, 8, and 10) is limited to the use of a reversible escapement and to an arrangement in which the bolt is operative to restore the locking member to locking position, and each was rejected by the tribunals of the Patent Office on the disclosure in the patent to Varaud in view of the disclosure in the patent to Birkigt.

Although Varaud's device is similar to that of appellant so far as the general arrangement of the striker pin, escapement locking member, and bolt is concerned, the patentee's escapement mechanism is not disclosed as being reversible and his device operates in such a manner that there is no reason for providing a reversible escapement mechanism. Furthermore, the patentee's bolt is positively held in a position in which it engages the locking member by a pin which must be manually removed before firing to permit the release of the bolt. The patentee obviously does not contemplate the possibility of accidental displacement, and does not provide means for returning the locking means to normal position by action of the bolt in the event of such displacement.

The patent to Birkigt also discloses a projectile in which the striker pin is held against movement by a locking member which is adapted to move, under the action of centrifugal force, when the projectile is fired. The locking member is normally restrained by a bolt which, as illustrated in the patentee's application, has a conical point which fits into a depression, "of corresponding shape," in the locking member. The bolt is urged into engagement with the locking member by a spring.

It was the position of the Primary Examiner and the Board of Appeals that no invention would be involved in replacing the bolt of the device disclosed by the patentee Varaud by a pointed, spring-urged bolt, such as is disclosed in the patent to Birkigt. However, the combination proposed by the tribunals of the Patent Office would not produce the structure called for by claims 1, 2, 4, 5, 6, 8, and 10.

There is no suggestion in either the patent to Varaud or the Birkigt patent of the reversible escapement which forms an element of each of the appealed claims. Furthermore, there is no reason why either of those patentees should employ such an escapement, since neither of them contemplates a reverse movement of the locking member. The reversible escapement feature would not, of course, be supplied by using Birkigt's bolt in Varaud's device.

Moreover, there is no suggestion in the Birkigt patent that the bolt is intended to return the locking member to its normal position if it is displaced. That function might possibly be performed if the shape of the bolt, the strength of the spring which acts on the bolt, and the resistance to the movement of the locking member were properly proportioned. On the other hand, those factors might easily be so proportioned that the bolt would be incapable of moving the locking member. The patentee Birkigt does not describe any movement of the locking member by the bolt but, on the contrary, describes the bolt as the "element for keeping the locking pin * * * in position." That language seems to negative the idea that the bolt ever moves the locking member.

The most that can properly be said of the Birkigt patent, so far as the issues here are concerned, is that it discloses a structure in which the parts might be so proportioned that the bolt would restore the locking device to its normal position. In the absence of any suggestion that such proportioning is desirable, the Birkigt disclosure is not a pertinent reference for claims calling for a structure in which the locking device is restored by the bolt. Accordingly, the proposed combination of the disclosures in the Varaud and Birkigt patents does not, in our opinion, form a proper basis for the rejection of claims 1, 2, 4, 5, 6, 8, and 10.

For the reasons stated, we are of opinion that the claims which are before us on their merits (Nos. 1, 2, 4, 5, 6, 8, and 10, of which Nos. 1, 4, 5, 8, and 10 are generic claims) are patentable over the references of record. Accordingly, the rejection of claims 3 and 7 on the ground that they are drawn to a non-elected species cannot be sustained.

The decision of the Board of Appeals is reversed.

Reversed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,847,397, F. J. Hofschneider, Trolling spoon, D. C., W. D. N. Y., Doc. 2061, *The Hofschneider Corp.* v. *Lane & Co.* Decree dismissing complaint Sept. 5, 1946.

1,929,274. (See Re. 20,817.)

1,952,230. (See Re. 21,544.)

1,997,406. (See Re. 21,160.)

1,997,890. (See Re. 21,544.)

2,007,231. (See Re. 21,544.)

2,016,844, W. H. Tull, Last; 2,359,990, K. Heggs, Shoe last, filed Sept. 20, 1946, D. C., E. D. Mo. (St Louis), Doc. 4894, *United Last Co.* v. *Mississippi Valley Last Co.*

2,050,127. (See Re. 21,544.)

2,051,430. (See Re. 21,544.)

2,055,734. (See 2,267,764.) 2,063,062. (See 2,267,764.)

2,066,346, W. Greig, Manifold record supply packet; 2,120,161, H. Stevens, Unitary manifolding assembly, filed Sept. 11, 1946, D. C., S. D. Ohio (Dayton), Doc. 706, *Moore Business Forms, Inc.*, v. *The Reynolds & Reynolds Co.*

2,068,889. (See Re. 21,544.)

2,120,161. (See 2,066,346.)

2,124,948. (See Re. 21,160.)

2,146,022. (See Re. 21,393.)

2,168,936. (See Re. 21,160.)

2,180,632. (See Re. 21,160.)

2,189,154, 2,190,088, A. P. Stewart, Templet, D. C., E. D. Mich., S. Div., Doc 4628, *Industrial Models Corp.* v. *Loeffler Pattern Co.* Judgment dismissing complaint (notice Sept. 21, 1946).

2,190,088. (See 2,189,154.)

2,213,901, A. C. Crawford, Toy, filed Sept. 12, 1946, D. C., S. D. N. Y., Doc. 37/684, *A. C. Crawford* v. *Gimbel Bros., Inc.*

2,267,764, C. H. Taylor, Suction cleaner; 2,055,734, 2,063,062, C. H. Sparklin, same, filed Sept. 12, 1946, D. C., E. D. Ill. (Danville), Doc. 683–D, *The Hoover Co. et al.* v. *Eureka Williams Co. et al.*

2,294,877, T. B. Wayne, Treatment of drilling fluids, D. C., S. D. Tex. (Houston), Doc. 1041, *Visco Products Co.* v. *The Texas Co.* Judgment holding patent invalid Sept. 16, 1946. Doc. 1042, *Visco Products Co.* v. *Humble Oil & Refining Co.* Decree as above.

2,302,630. A. M. Hess, Pleating for drapes, etc., filed July 9, 1946, D. C., S. D. N. Y., Doc. 36/696, *Clopay Corp.* v. *Consolidated Trimming Corp. et al.*

2,320,327. (See Re. 22,397.)

2,355,483, S. V. Swarr, Jr., Fire extinguisher, filed Sept. 12, 1946, D. C. Minn. (Minneapolis), Doc. 2193, *F. E. S. Corp.* v. *Char-Lynn Co. et al.*

2,359,990. (See 2,016,844.)

2,379,511, J. Federman, Coat garment, filed Sept. 16, 1946, D. C., S. D. N. Y., Doc. 37/718, *J. Federman* v. *Scherer & Rosen.*

2,390,636, 2,397,229, L. J. Biro, Writing instrument, filed June 20, 1946, D. C., S. D. N. Y., Doc. 36/446, *Eversharp, Inc., et al.* v. *Fieldston Pen Corp. et al.*

2,397,229. (See 2,390,636.)

Re. 20,817, W. J. Maddox, Abrading roll; 1,929,274, W. J. Ellis, Abrasive element, D. C., N. D. Ohio, E. Div., Doc. 21008, *The Cleveland Container Co.* v. *The Even-Cut Abrasive Band & Equipment Corp. et al.* Order confirming report of Master and holding reissue invalid; complaint dismissed as to defendants H. Coe & R. L. Bacher, counter-claim dismissed Sept. 16, 1946.

Re. 21,160, R. D. Hillis, Reversible lubricating feeder system; 1,997,406, same, Feeder for progressive lubricating system; 2,124,948, same, Feeder for reversible fluid systems; 2,168,936, 2,180,632, same, Reversible single-line feeder, filed Sept. 26, 1946, D. C., E. D. Va. (Richmond), Doc. 625, *Trabon Engineering Corp.* v. *Stewart-Warner Corp.*

Re. 21,393 (of 2,146,022), J. S. Losee, Electric water heater, filed Sept. 23, 1946, D. C., E. D. Ill. (Danville), Doc. 689–D, *Losee Products Co.* v. *Black & Co.*

Re. 21,544, C. C. Richard, Hydraulic mechanism for determining the path of movement of a tool or other element; 1,952,230, G. V. Anderson, Automatic profile milling machine; 1,997,890, E. L. Wall, Universal tracer; 2,007,231, same, Duplicating machine; 2,051,430, same, Universal die sinking attachment for vertical milling machine; 2,050,127, B. Sassen, Tracer controlled cam cutting machine; 2,068,889, Roehm & Romaine, Milling and profiling machine, filed Sept. 12, 1946, D. C., E. D. Mich., S. Div., Doc. 5941, *The Cincinnati Milling Machine Co.* v. *M. Turchan et al.*

Re. 22,397 (of 2,320,327), J. F. Meduna, Application of spray metal to metal surfaces, D. C., S. D. N. Y., Doc. 26/150, *Metallizing Engineering Co., Inc.*, v. *Metallizing Co. of America et al.* Patent held invalid; complaint dismissed Sept. 26, 1946.

Des. 138,332, C. A. Furst, Earring, D. C., S. D. N. Y., Doc. 31/62, *C. A. Furst* v. *Mandel Bead Co.* Stipulation of discontinuance Sept. 20, 1946.

Des. 138,901, L. I. Leon, Curl clip, filed Aug. 27, 1946, D. C., N. D. Ill. (Freeport), Doc. 46c54, *The I. Leon Co.* v. *F. La Foriye.*

T. M. 423,509, E. E. Edward, Ltd., Ash receivers, cigar and cigarette conserving receptacles and humidors, etc., filed Sept. 12, 1946, D. C., E. D. N. Y., Doc. 7310, *E. E. Edward, Ltd.*, v. *E. A. Collins.*

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Oct. 2, 1946.*

Percival E. Falkingham, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of The Procter & Gamble Company, Sixth and Main Streets, Cincinnati, Ohio, to effect the cancellation of trade-mark registration of Percival E. Falkingham, No. 267,841, dated March 4, 1930. The assignment records of this Office show a transfer of title to this registration to Evenod Perfumer, Inc., a corporation of New York, which has been substituted for said Falkingham to defend the registration concerned. The Patent Office having been unable to obtain service upon the said Evenod Perfumer, Inc., notice is hereby given that unless the assigns, legal representatives, or other person claiming an interest in the registration shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Oct. 2, 1946.*

Cameo Costume and Dress Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by May McEwen Kaiser Company, Incorporated, South Main Street, Burlington, N. C., to effect the cancellation of trade-mark registration of Cameo Costume and Dress Company, 247–263 West 37th Street, New York, N. Y., No. 274,163, dated August 19, 1930, and the notice of such proceeding sent by registered mail to the said Cameo Costume and Dress Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Cameo Costume and Dress Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Oct. 2, 1946.*

Charles L. R. Russell, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Pennsylvania Salt Manufacturing Co., 1000 Widener Building, Philadelphia 7, Pa., to effect the cancellation of trade-mark registration of Charles L. R. Russell, 201 Cook Street, Brooklyn, N. Y., No. 285,029, dated July 14, 1931, and the notice of such proceeding sent by registered mail to the said Russell at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Russell, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., October 2, 1946.*

Eye Shade Corporation of America, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Charles H. Foster, 550 Fifth Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Eye Shade Corporation of America, 3746 Prospect Avenue, Cleveland, Ohio, No. 373,558, dated December 12, 1939, and the notice of such proceeding sent by registered mail to the said Eye Shade Corporation of America at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Eye Shade of America, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,333,784. IRONING BOARD. Patented Nov. 9, 1943. A folding ironing board which compactly fits into a carrying case when not in use. Ironing board is formed of three hinged panel sections. End sections may be swung upwardly and over center section for folding. When in use panel is supported by three legs. Adjustment for working height is provided. Each leg is composed of two detachable sections. (Owner) Florence E. M. Harris, 9224 Delmar St., Detroit 11, Mich. Groups 25—99; 35—81. Reg. No. 4,168.

Pat. 2,403,558. FOLDING CHAIR. Patented July 9, 1946. A folding chair similar to a camp stool has a canvas seat, seat supporting members and cross legs. Bars are provided at ends of supporting members to support arm rests. A back assembly is inserted in vertical slots in uprights of chair. By attaching rungs to ends of legs, rockers may be added. Inexpensive to manufacture, strong, light and easily folded when not in use. (Owner) Ralph T. Schoof, 1310 Ave. A, Dodge City, Kans. Group 25—11. Reg. No. 4,169.

Pat. 2,331,600. WINDSHIELD SHIELD. Patented Oct. 12, 1943. A detachable, form fitting cover for a windshield to prevent the accumulation of snow or sleet thereon. A cord extends through hem around article and tensioning means on lower corners are attached to door hinges. Attaching pins run through eyelets in top edge and fasten to vehicle body. Two light springs connect cord sections and securely hold cover to vehicle. Inexpensive to manufacture and easily and quickly attached or removed. (Owner) Arthur P. Dillow, 835 Herndon Court, Baltimore 25, Md. Groups 22—54; 26—39; 30—41. Reg. No. 4,170.

Pat. 2,338,316. INSULATING BUSHING FOR ELECTRICAL CONDUITS AND THE LIKE. Patented Jan. 4, 1944. Tubular body has outwardly extending annular flange at one end which is bent back on the body to form a ring. This space provides a channel to receive end of conduit. The bushing is applied to an electric conduit of the usual type, the end of which may be threaded to receive the bushing. It may be made of plastic, rubber or any insulating material. (Owner) Francis Allen Buzzell, 7835 Muskegon Ave., Chicago, Ill. Group 36—11—31. Reg. No. 4,171.

Pat. 2,399,507. COMBUSTION ENGINE. Patented Apr. 30, 1946. Two cycle internal combustion engine in which performance is obtained by two opposed working pistons in a common cylinder and a freely moving piston therebetween which forms a combustion chamber between itself and its related working pistons alternately. The structure provides efficient scavenging and fuel injection in synchronous timing with the movement of the pistons. The force of the two working pistons is transmitted to a single crankshaft. (Owner) Fernando G. Prieto, 409 South Bixel St., Los Angeles, Calif. Group 38—31. Reg. No. 4,172.

Pat. 2,245,127. MATCH HOLDER. Patented June 10, 1941. An H-shaped body has a row of matches integrally connected to each side of its central cross piece. A paper cover (upon which advertising may be printed) overlies the matches. Centrally located is a strip of abrasive material, adjacent to which are perforations so that the cover may be selectively torn off to expose matches at either end. Since the holder is relatively thin, it may be easily inserted into a package of cigarettes. (Owner) Donald A. Downing, Edina, Mo. Group 25—93. Reg. No. 4,173.

Pat. 2,400,451. FIRE TOOL. Patented May 14, 1946. A combination hoe, scraper, rake and spade suitable for extinguishing forest and ground fires. Half of blade forms a hoe and scraper, the other half a rake and is adjustable to various positions by fingers on body and blade which rests in grooves in handle. A sleeve slidable on handle slips over fingers and holds it firmly in grooves. (Owner) William J. Wilson, P. O. Box 544, Madera, Calif. Group 33—52. Reg. No. 4,174.

Pat. 2,062,931. RETRACTABLE AUXILIARY WHEEL. Patented Dec. 1, 1936. Auxiliary braking wheels journaled upon axles of motor vehicle increase braking action when stopping or slowing down but are inoperative at other times. The wheels do not interfere with normal driving. A fluid cylinder with a slidable piston is actuated by foot brake lever of vehicle and directs fluid through tubes to auxiliary wheel brakes. (Owner) Anthony C. Raffa, 918 West St. Joseph St., Perryville, Mo. Group 38—31. Reg. No. 4,175.

Pat. 2,395,596. TOBACCO PIPE. Patented Feb. 26, 1946. Stem may be easily cleaned without detaching from pipe. An aperture in back wall of bowl is aligned with bore in stem. A tube slidably fitted therein has a passageway communicating with bowl. For cleaning purposes, the tube is slid longitudinally until its inner end projects beyond the back of the bowl a sufficient distance to expose the passageway. Closed end of tube normally seals aperture in bowl. (Owner) Kurt Vonnegut, 1126 Hume Mansur Bldg., Indianapolis 4, Ind. Group 39—96. Reg. No. 4,176.

Pat. 2,401,318. TOILET KIT. Patented June 4, 1946. A pocket-size container made wholly of plastic has two compartments, one for powdered dentifrice and the other for storing a tooth brush, the handle of which is formed of two sections. Cover seals container and maintains contents in sanitary condition. Suitable registering vents in the cover and side of container allow brush to dry but exclude entry of foreign matter. (Owners) Guilford D. Robinson and Harold M. Robinson. Address correspondence to Guilford D. Robinson, Eden, Erie County, N. Y. Groups 34—54; 39—81; 40. Reg. No. 4,177.

Pat. 2,400,266. ANGLE IRON BRACE. Patented May 14, 1946. Provides a simplified brace, stamped from a single metallic strip, for reinforcing chairs, tables, or other furniture, at the inner or concealed corners without the use of screws or other fastening means. The angle iron has pointed prongs on the ends of the arms which are adapted to be driven into the wood. An auxiliary cross brace for stiffening the brace may be formed integrally therewith by cutting a tongue longitudinally from the center of the brace and bending it inwardly. (Owner) Ernest Soffer. Address correspondence to Ernest G. Montague, 500 Fifth Ave., New York 18, N. Y. Groups 25—14—19; 33—73. Reg. No. 4,178.

Pat. 2,400,655. GUIDE FOR PUBLIC SAFETY OF VEHICLES AND PEDESTRIANS. Patented May 21, 1946. Comprises two interconnected signals operated by push buttons to simultaneously flash a signal on the front and rear of a vehicle. The cover for each signal, which may have various color combinations and appropriate indicia, has a convex face and two pyramids extending vertically. When the word "pass" is flashed on either signal the word "caution" (in each pyramid) will appear on the other signal. Each signal may be seen from any point within an angle of 180°. The device may be easily installed by a layman. (Owner) John J. Saia, Woodstock, Md. Groups 36—62; 38—31. Reg. No. 4,179.

Pat. 2,224,384. TWEEZERS. Patented Dec. 10, 1940. For removing splinters, hair, etc. Short pencil-size instrument with a collar intermediate its ends has tweezers on one end and a curved prong on other end. Two elongated caps are slid on opposite ends so that their inner ends abut opposite sides of the collar, completely enclosing instrument. Caps contain antiseptic packing in which ends of tweezers and prong become embedded. (Owner) Curt Merki, 2037 S. E. Insley St., Portland 2, Oreg. Group 39—16—99. Reg. No. 4,180.

Pat. 2,400,371. SELF-ADAPTING AND ADJUSTING DEPTH GAUGE. Patented May 14, 1946. A cylindrical casing with calibrated scales has an indicator rod surrounded by a coiled spring slidable therein for measuring depth. The projecting end of rod is the same length as scaled slot in casing and the lower end rests against a collar. Whatever distance rod is forced into tube the slide travels the same distance in stationary gauge casing. (Owners) Woodrow W. Reeser and Lucille E. Reeser. Address correspondence to Woodrow W. Reeser, 334 Concord Ave., Elyria, Ohio. Groups 35—65; 38—31. Reg. No. 4,181.

Pat. 1,861,644. COMBINED WATCH AND VANITY CASE. Patented June 7, 1932. Wrist watch is hinged to top of vanity case and a mirror between prevents powder from sifting into watch. The stem of the watch is used as a handle for opening case. (Owner) George M. Roberts, 4177 Cadillac Ave., Detroit 14, Mich. Groups 34—51—61; 39—72. Reg. No. 4,182.

Pat. 2,400,659. SCAFFOLD LADDER. Patented May 21, 1946. Scaffold is formed by sliding an ordinary cross plank through two diverging ladders. A bar or second rung is mounted (in notches in the stiles of the ladders) a sufficient distance above each step to permit the plank to slide freely between step and bar. The plank may be placed through the ladders while they are close together or spaced

from each other; or they may be slid freely toward or away from each other after plank is in place. Moving the bottom ends only of the ladders from each other causes the step and bar to bind and hold plank securely in place. (Owner) Yvon St. Mars, 3226 Rushbrook St., Montreal 19, Canada. Group 25—99. Reg. No. 4,183.

Des. 127,570. DESIGN FOR A BROOCH. Patented June 3, 1941. (Owner) Paul J. Kordish, 277 Helen Ave., Mansfield, Ohio. Groups 34—51; 39—71. Reg. No. 4,184.

Des. 144,860. DESIGN FOR A FINGER RING. Patented May 28, 1946. Groups 34—51; 39—71. Reg. No. 4,185.

Des. 144,861. DESIGN FOR A FINGER RING. Patented May 28, 1946. Groups 34—51; 39—71. Reg. No. 4,186.

The two patents listed above relate to ornamental designs for finger rings. (Owner) Arthur Marcus, 10 West 47th St., New York, N. Y.

Des. 144,866. DESIGN FOR A PEN AND PENCIL HOLDER. Patented May 28, 1946. (Owner) Edwin C. Moe, 2407 Creston Place, Lansing, Mich. Group 39—51—52. Reg. No. 4,187.

Pat. 2,362,499. IMPACT WRENCH. Patented Nov. 14, 1944. Group 35—41. Reg. No. 4,188.

Pat. 2,399,251. IMPACT WRENCH. Patented Apr. 30, 1946. Group 35—41. Reg. No. 4,189.

The two patents listed above were granted under the act of March 3, 1883, as amended April 30, 1928, and relate to electric or compressed air powered impact wrenches used to impart blows to a nut in such a way as to turn or rotate the nut for tightening or loosening purposes. The wrench described in Pat. 2,362,499 may be used manually or as a power tool, at will. Different sized nuts may be handled by one wrench. (Owner) Carl W. Porter, 409 Tennessee Ave., Alexandria, Va.

Pat. 2,286,665. HOT AIR FURNACE. Patented June 16, 1942. Air is drawn into furnace through a grille at top which divides it into fine streams. Passing around zigzag tubes the air is uniformly heated before being drawn from furnace by a fan and supplied to rooms to be heated. Formed of few parts and inexpensive to manufacture. (Owner) Clifford Blair, 216 South 4th St., Ironton, Ohio. Group 33—62. Reg. No. 4,190.

Pat. 2,401,887. MAGNETIC CHUCK ATTACHMENT PLATE. Patented June 11, 1946. Device is in the form of a composite plate for use on the face of a magnetic chuck for holding very small ferrous and other magnetic metallic parts to be machined. Comprises a number of spaced non-magnetic strips with a number of tapered ferrous metal segments between with top and bottom surfaces at right angles to plane of central magnetic strip. (Owner) Frank Sheppard, 5651 Waverly St., Montreal, Canada. Group 35—43. Reg. No. 4,191.

Pat. 1,966,612. DOOR LOCKING DEVICE. Patented July 17, 1934. This door locking device consists of a locking arm mounted on the inner face of a door. It is adapted to be raised and held latched when in an inoperative position or lowered to securely lock and brace door. A channel or floor track is provided so that the door may be held slightly ajar and locked in position to prevent intruders from entering. (Owner) Samuel E. Cochran, 1309 East Armour Blvd., Kansas City 3, Mo. Group 38—98. Reg. No. 4,192.

Pat. 2,399,824. ADJUSTABLE JIG AND HOLDER. Patented May 7, 1946. The main purpose of this device is to eliminate the necessity of preparing a separate jig for each article upon which work is to be done. Hydraulically controlled needles contact the object permitting the jig to adapt itself to the contour of the object enabling easy duplication. The jig consists of an upper and lower hollow body or wheel upon which are mounted a number of hollow tubular holders in which needles are slidably retained. Each of the bodies contains a valve carrying spider. In adjusting the needles the valves are opened until the needles contact the object at which time the valves are closed and the needles thus fixed. The jig described may be made part of a machine, bench or drill vice, etc. (Owner) Irving L. Pressman, P. O. Box 627, Lancaster, Calif. Group 35—43. Reg. No. 4,193.

Pat. 2,381,416. AGE HARDENABLE CHROMIUM-NICKEL STAINLESS STEEL. Patented Aug. 7, 1945. Group 33—12. Reg. No. 4,194.

Pat. 2,397,997. PROVIDING INHERENTLY AGING CHROMIUM-NICKEL STAINLESS STEEL WITH DIFFERENT TEMPERS. Patented Apr. 9, 1946. Group 33—12. Reg. No. 4,195.

These two inventions disclose methods of controlling the temper of chromium-nickel stainless steel. In addition to the usual carbon, the steel contains at least one of the stronger-than-chromium carbon formers (titanium, columbium, tantalum) with its components that are ferrite formers, proportioned to those that are austenite formers. A stress-laden ferrite is produced at low temperatures when the steel cools to room temperature from temperatures where the steel is completely austenitic. One method comprises heating the steel to about 1300° F. to give it a higher unaged and lower aged temper, to about 1400° F. to give it a medium temper, and to 1600° F. to give it a lower unaged and higher aged temper, followed by cooling the steel to provide it with a stress-laden ferrite structure rendering it age hardening. (Owners) Ernest H. Wyche and Raymond Smith. Address correspondence to Ernest H. Wyche, 1874 Niagara Ave., Niagara Falls, N. Y.

Pat. 2,397,682. JAR LIFTING DEVICE. Patented Apr. 2, 1946. A device for gripping and lifting a jar from a cooker without the hands coming in contact with excessive heat. Consists of an open wire loop, with extensions. A follower moves along extensions by means of a slidable rod movable through guide loop for varying size of loop to engage and disengage jar top. (Co-owner) Charles E. Neils, 204 West Baltimore Ave., Larkspur, Calif. Groups 33—12; 34—41. Reg. No. 4,196.

Pat. 2,402,868. PACKING FOR PIPE JOINTS. Patented June 25, 1946. A multiple safety seal for coupling different adjacent pipe sections together is formed by two semi-circular sections which are fitted around the pipe and bolted together edgewise. The central openings of the sections are grooved to receive beads formed on the pipe wall. A tight seal is formed by bolting the two sections together slightly out of register. The flat faces of the sections are each provided with a pair of separate channels which are filled with flax or any other packing material to provide an absolute seal against loss of fluids. (Owner) Frank W. Boyle, 9515 Baltimore Ave., Berwyn, Md. Group 32—93. Reg. No. 4,197.

Pat. 2,401,750. MULTIPLE PURPOSE POCKET ACCESSORY. Patented June 11, 1946. Back of comb is constructed so that it forms a cylindrical open ended sheath which acts as the holder for a fountain pen or mechanical pencil. The sheath is provided with a clip. (Owner) Henry F. Dye, P. O. Box 412, Micanopy, Fla. Groups 30—32; 39—51. Reg. No. 4,198.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING SEPTEMBER, 1946

EX PARTE UNITED-CARR FASTENER CORPORATION, Serial No. 477,082.

In a decision rendered September 3, 1946 (169 Ms. Dec. 136, 70 USPQ 536), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to United-Carr Fastener Corporation, of Cambridge, Mass., a mark comprising applicant's previously registered trade-mark "Dot," and the notation "Cable-Loc Fastener" for resilient band type and clip type supporting fasteners for holding conduits such as wires, rods, pipes and the like and fastener mounting devices, variously applied to articles of manufacture in the industrial arts, the word "Fastener" being disclaimed, in the absence of a disclaimer of the words "Cable-Loc," which the Examiner held to be descriptive of applicant's goods.

After noting that at the hearing on appeal applicant expressed its willingness to disclaim the word "Cable," it was held that nevertheless, as used in the mark, "Loc" obviously means "lock"; and that word would appear to be descriptive of any fastening device.

In response to applicant's citation of several registrations of marks in which this same word occurs without disclaimer, it was held that most of them are distinguishable and as to the others, the right of registration in the instant case may not be determined by the actions had in those cases.

EX PARTE IMPERIAL PRODUCTS, INC., Serial No. 481,580.

In a decision rendered September 3, 1946 (169 Ms. Dec. 136, 70 USPQ 536), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register under the act of 1905 to Imperial Products, Inc., of Cincinnati, Ohio, the notation "Magi Clutch," for window shades on the ground that it includes a descriptive word, "Clutch," which applicant has refused to disclaim.

After noting that in its brief, however, applicant omits the space between the two words and asserts that the mark "MagiClutch" is an arbitrary single word trade-mark so that applicant thus argues its case on the theory that it is absolutely improper to require a disclaimer of a portion of an entire word, it was held that the point may be conceded, but it is purely academic since not only are the words spaced apart on the drawing, but the initial letter of "Clutch" is approximately twice the size of the other letters of the mark which serves to emphasize the separate entity of this word.

AIRADIO, INCORPORATED, *v.* AIRDAR CORPORATION, Opposition No. 23,254.

In a decision rendered September 5, 1946 (169 Ms. Dec. 137, 70 USPQ 537), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks dismissing the opposition of Airadio, Incorporated, of Stamford, Conn., to the application of Airdar Corporation, of Wilmington, Del., for registration of the word "Airdar" as a trade-mark for electrical control instruments for control of operation, flight and movement of aircraft, watercraft, land vehicles, and aviation ground equipment, namely, radio and signaling instruments. Opposer relied upon its alleged prior use of the word "Airadio" as a trade-mark for goods that are in part substantially identical with applicant's goods.

It was held that opposer has failed to prove trade-mark use of the single word "Airadio," which is the only use pleaded in the notice of opposition notwithstanding "Airadio" has been directly affixed to its merchandise since it clearly appears from the entire record that opposer has used "Airadio" only as a part of its corporate name, "Airadio, Incorporated."

Notwithstanding that opposer has failed to prove trade-mark use, it was held that it does not follow that all of its testimony should therefore be stricken as not pertinent to any issue in the case; the motion to strike was directed broadly to all testimony and exhibits filed by opposer; since some of the evidence is pertinent, albeit inconsistent, it would have been manifestly improper to grant the motion.

Assuming arguendo, however, that trade-mark use has been established, it was held that the opposition was properly dismissed since as applied to merchandise of the character here involved the word "air" is descriptive and not subject to exclusive appropriation; and opposer's mark being an obvious contraction of the words "air radio" is likewise descriptive; while applicant's mark on the other hand, is essentially arbitrary for although it includes the word "air," the unitary term "Airdar" is meaningless so that the two marks are not confusable, notwithstanding that they bear some slight similarity in appearance and in sound.

After noting that conceding that "Airadio" means "air radio," in response to opposer's argument that confusion is likely to occur because in ordering applicant's products buyers will never call for "Airdar" but for "Airdarradio" and then the syllable "dar" will be swallowed, it was held that "radio" is not a part of applicant's mark; and its indicated use by purchasers would be as the generic name of

the goods which opposer can scarcely hope to prevent by the simple expedient of incorporating that name in its own mark.

EX PARTE HOOD REFINING COMPANY, Serial No. 453,719.

In a decision rendered September 9, 1946 (169 Ms. Dec. 142, 70 USPQ 537), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Hood Refining Company, of Greensburg, Pa., under the act of February 20, 1905, a mark comprising the word "Gibraltar" and the representation of a hand pressing a piston into a cylinder, for lubricating compounds, particularly heat resistant carbon preventative oils, on the ground that the word "Gibraltar" dominates the mark and is merely geographical.

After noting that applicant stresses the design features of its mark complaining that they were seemingly ignored by the Examiner although it is thoroughly established in the law that a trade-mark is an entirety and cannot be dissected into its component parts, it was held that the Examiner has analyzed the mark and determined quite properly that the word "Gibraltar" is its dominant portion; but in so doing is not chargeable with dissecting the mark nor with ignoring its pictorial parts.

In response to applicant's argument that the word "Gibraltar" in addition to being the name of a rock in the southern portion of Spain, has an arbitrary or fanciful meaning as applied to the goods in question denoting power and strength and after noting that applicant concedes that this additional meaning is secondary, it was held that manifestly the additional meaning is incidental to the geographical significance of the word and the language of the statute leaves no room for exception, but forbids registration of all primarily geographical terms including those with alternative meanings.

E. H. SCOTT RADIO LABORATORIES, INC., *v.* PHILHARMONIC RADIO CORPORATION, Opposition No. 23,783.

In a decision rendered September 9, 1946 (169 Ms. Dec. 139, 70 USPQ 539), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the opposition of E. H. Scott Radio Laboratories, Inc., of Chicago, Ill., to the application of Philharmonic Radio Corporation, of New York, N. Y., for registration of the word "Philharmonic" as a trade-mark for radio-receiving apparatus, radio-television receiving apparatus, combination radio receiving-electric phonograph apparatus, electric phonograph recording and reproducing apparatus and parts thereof, but reversed the action of the Examiner of Interferences who had adjudged that applicant is entitled to the registration for which it has made application.

This mark has been in use by applicant and its predecessors in interest since February 1938. The application was filed April 12, 1944. The same mark was adopted by opposer in 1937 for radio receiving sets which it continued to sell for approximately five years. In April 1942 the manufacture of such merchandise for civilian use was suspended by Government orders so that both parties to this proceeding discontinued the sale of radio receiving sets, and devoted their activities to the production of military equipment. At the time of final hearing before the Examiner of Interferences, the suspension order was still in force and neither party has resumed civilian sales.

After noting that applicant appears to have affixed its mark to goods manufactured for the Government which were doubtless of the same descriptive properties as those listed in the application, it was held that neither that circumstance nor the fact that opposer failed to do likewise is of any importance; opposer was not furnishing the Government with "Philharmonic" radios; also it is immaterial that opposer ceased the use of its mark in advertising since it would seem futile to have advertised a product that opposer was not permitted to sell.

It was held that since opposer owned the trade-mark "Philharmonic" at the time the application was filed, applicant was not then entitled to the proposed registration and the application must therefore be rejected.

It was held that the Examiner of Interferences rightly ruled that on the basis of the evidence before him he could not have held that opposer would be damaged by such registration and that unless he resumes use of the mark, obviously it will not be damaged; and in the event use is resumed, the question of abandonment should be left open for consideration in any possible future proceeding between the parties growing out of events occurring subsequent to the date of the application here involved.

It was held that insofar as it adjudges applicant entitled to the registration applied for, the decision of the Examiner of Interferences is reversed without prejudice to applicant's right to file a new application if it so desires; and insofar as it dismisses the opposition, the decision is affirmed without prejudice to opposer's right to oppose such new application if filed.

EX PARTE KOPS BROTHERS, INC., Serial No. 440,725.

In a decision rendered September 11, 1946 (169 Ms. Dec. 145, 70 USPQ 541), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Kops Brothers, Inc., of New York, N. Y., an alleged trade-mark under the provisions of the act of March 19, 1920. Applicant's mark is the notation "Adjustable Waist," appropriated to foundation garments, including girdles and combination girdles and brassières. Registration was refused on the ground that these words serve merely to indicate the type of construction of applicant's garments and therefore are devoid of trade-mark significance.

After noting that in an effort to prove that the mark has actually acquired trade-mark significance, applicant filed the affidavits of its sales manager, two department store corset buyers, and a so-called investigator, it was held, however, that all that is established by these affidavits is that since no other manufacturer sells similar garments and applicant's labels always bear it registered trade-mark "Nemo," dealers and purchasers have come to associate "Adjustable Waist" products with the owner of the "Nemo" mark.

It was held that while descriptiveness is not a bar to registration under the 1920 act, nevertheless, it is necessary that marks so registered must function also as trade-marks while here an "adjustable waist" foundation garment would be an "adjustable waist" foundation garment whether produced by applicant or by one of its competitors; and applicant's mark merely informs purchasers that the garment to which the mark is affixed is of that character.

MARY MUFFET, INC., *v.* NANCY ANN DRESSED DOLLS, Opposition No. 23,466.

In a decision rendered September 11, 1946 (169 Ms. Dec. 144, 70 USPQ 540), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the opposition of Mary Muffet, Inc., of St. Louis, Mo., to the application of Nancy Ann Dressed Dolls, of San Francisco, Calif., for registration of the notation "Little Miss Muffet" as a trade-mark for dressed dolls. One ground of opposition is that applicant's mark constitutes an appropriation of opposer's corporate name. A second ground of opposition is that applicant's mark is confusingly similar to opposer's regitsered trade-mark and appropriated to merchandise of the same descriptive properties. The registered mark comprises the notation "I am a Mary Muffet," in association with the representation of a spider in a web, and a picture characterized by opposer as that of a doll and by the applicant as that of a little girl in a hoop skirt.

With respect to the first ground of opposition, it was held that opposer's name, however, is not "Little Miss Muffet" nor is it "Miss Muffet" or "Muffet"; and while "Mary Muffet" might have been either of the three, adoption of her complete name did not give opposer a monopoly of her surname in other combinations; to conflict with opposer's name, within the meaning of the Trade-Mark Act, applicant's mark would have to include the word "Mary."

With respect to the second ground of opposition, it was held that whether the picture of the registered mark be a girl or a doll, the mark is as a whole highly suggestive of the Mother Goose character of applicant's mark and that the two marks would thus be confusable if used on the same class of goods; however, opposer's mark is registered for ladies' dresses which it appears from the testimony are never worn by ladies younger than thirteen years.

It was further held that no article of wearing apparel for women or girls has the same descriptive properties as dolls, whether dressed or undressed so that these two kinds of merchandise are so widely unrelated that they could be sold under identical trade-marks without any reasonable likelihood of confusion and the marks here in question are far from identical.

It was further held that other points are argued in the briefs which need not be discussed here, except to say that if it were material the First Assistant Commissioner would be inclined to agree with the Examiner of Interferences that applicant has established priority of use.

BOND ELECTRIC CORPORATION *v.* ARTHUR W. FRUH, Opposition No. 23,199.

In a decision rendered September 12, 1946 (169 Ms. Dec. 146, 70 USPQ 542) *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks dismissing the opposition of Bond Electric Corporation, of New Haven, Conn., to the application of Arthur W. Fruh, of Chicago, Ill., for registration of the word "Ace" as a trade-mark for electric burglar alarm control boxes and cabinets, gong housings and gongs, horn alarm box assemblies, auxiliary electric bells, and bell housings; all used in connection with burglar alarms. The opposition was predicated upon opposer's alleged ownership of this same word, in association with a representation of the ace of spades, previously registered as a trade-mark for flashlights and flashlight cases, and previously used by opposer as a trade-mark for flashlight batteries.

After noting that opposer appears to have abandoned its contention that flashlights and their cases have the same descriptive properties as applicant's goods; and that the Examiner of Interferences refused to consider flashlight batteries because opposer was not using its mark in connection therewith when the notice of opposition was filed, in response to opposer's argument that its nonuse of the mark was compulsory, and may not properly be said to have worked an abandonment, or to indicate an intent to abandon, it was held that for the purpose of this proceeding the point may be conceded, but becomes immaterial because of the view taken of the case.

It was held that flashlight batteries, like flashlights, differ from applicant's goods in their descriptive properties, so that the opposition was properly dismissed.

TINNERMAN PRODUCTS, INC., *v.* SPEED PRODUCTS COMPANY, Opposition No. 22,844.

In a decision rendered September 13, 1946 (169 Ms. Dec. 148, 70 USPQ 543), *Commissioner Ooms* denied a petition of the party Speed Products Inc., of Cleveland, Ohio, whose application to register is involved in a trade-mark opposition proceeding in-

stituted on the notice of opposition filed by Tinnerman Products Company, of Long Island City, N. Y., that the Commissioner of Patents review the decision of the First Assistant Commissioner on appeal from the Examiner of Interferences.

After noting that one of the duties assigned to the First Assistant Commissioner, in accordance with the statutory provision, is the hearing and disposal of appeals in trade-mark cases, pursuant to the further statutory provision that such appeals may be taken "to the Commissioner in person," it was held that the decisions of the First Assistant Commissioner thus become the decisions of the Commissioner; and if erroneous a remedy is provided by appeal to the United States Court of Customs and Patent Appeals, or by action under 4915 R. S., by any party who "is dissatisfied with the decision of the Commissioner of Patents;" neither the statute nor the rules of practice contemplate a second appeal within the Patent Office.

THE GREAT ATLANTIC & PACIFIC TEA COMPANY *v.* WASON BROS. CO., Opposition No. 23,686.

In a decision rendered September 16, 1946 (169 Ms. Dec. 149, 70 USPQ 545), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of The Great Atlantic and Pacific Tea Company, of New York, N. Y., to the application of Wason Bros. Co., of Seattle, Wash., for registration of the notation "Mello-X" as a trade-mark for imitation extracts and flavors for food flavoring, the word "Mello" being disclaimed as descriptive, and the mark having been used since July, 1943. One of the trade-marks relied upon by opposer is the word "Mello," registered July 8, 1924, and renewed, for canned fruits of all kinds.

It was held that since applicant's goods and those set forth in the registration are such as may be sold in the same stores to the same class of purchasers, and may be sold in part for the same general purpose, they are of the same descriptive properties, and that being true, concurrent use of the two marks would be reasonably likely to result in confusion, for applicant has appropriated opposer's entire mark as a part of its own.

After noting that applicant's extracts are not now sold in chain stores like those managed by opposer, it was held that this is a mere trade practice subject to change.

In response to applicant's argument that the mere placing of any descriptive word ahead of a letter of the alphabet, even though that descriptive word be a predominating part of another mark, should be the right of any registrant and not the basis on which prohibition of registration of the mark in its entirety should be predicated, it was held that the correct rule, which furnishes a complete answer to applicant's argument is that we must look to the mark as a whole, regardless of descriptive portions, and determine whether or not the use of the whole mark in the same field in which the mark of another is used would be likely to cause confusion.

It was further held that not only was the opposition properly sustained, but that applicant's mark is nonregistrable as presented, regardless of opposer's rights, since it is so completely dominated by the word "Mello" that in disclaiming that word applicant has in effect disclaimed the entire mark.

KRAFT CHEESE COMPANY OF WISCONSIN *v.* THE FISHER DAIRY AND CHEESE CO., Opposition No. 23,756.

In a decision rendered September 16, 1946 (169 Ms. Dec. 151, 70 USPQ 544) *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences and thereby sustained the opposition of Kraft Cheese Company of Wisconsin, of Green Bay, Wis., and Chicago, Ill., to the application of The Fisher Dairy and Cheese Co., of Wapakoneta, Ohio, for registration of the notation "Eat-ette" as a trade-mark for processed cheeses. Since applicant took no testimony there is no proof of use of this mark prior to the filing date of the application, namely, July 13, 1944. In the notice of opposition opposer pleaded its ownership of three registrations of marks for various cheese products, including "Pabst-ett," registered September 7, 1926, and "Munst-ett," registered April 19, 1938.

It was held that one of the pleaded registrations was properly refused consideration by the Examiner of Interferences because not proved, and that a fourth mark referred to in the testimony was properly disregarded by the Examiner because not pleaded.

After noting that applicant questions the sufficiency of opposer's proofs with respect to its ownership of the "Pabst-ett" and "Munst-ett" registrations and its use of the registered marks, it was held that such ownership was established by the introduction of certain copies of various assignments as recorded in the Patent Office, the decisions cited by applicant in support of a contrary view having been overruled by necessary implication; and since the registrations were both effected under the act of February 20, 1905, opposer's nonuse of the marks, even if conceded, would be immaterial to issues here presented.

After noting that the Examiner, citing dictionary definitions of the suffix "-ette," concluded therefore that no one may preempt the field with respect to marks incorporating such a commonly used suffix, it was held that as applied to cheese, "ett" and "ette" are purely arbitrary terms, which are subject to exclusive appropriation; and in applicant's mark there is nothing else that is capable of trade-mark significance, for certainly the word "eat" could not serve to denote the origin of a food product; so that applicant has thus appropriated a prominent portion of opposer's marks as the dominant part of its own, and by setting it off with a hyphen has enhanced the resulting similarity.

EX PARTE AMERICAN TAR COMPANY, Serial No. 451,997.

In a decision rendered September 17, 1946 (— Ms. Dec. —, — USPQ —), *First Assistant Commissioner Frazer* denied a petition for rehearing in the application of American Tar Company, of Spokane, Wash., and reconsideration of the decision rendered August 13, 1946 (590 O. G. 533, 70 USPQ 453).

After noting that the brief in support of the petition is devoted almost exclusively to a discussion of alleged inconsistencies between the Assistant Commissioner's position in the opposition proceeding referred to in the decision and the First Assistant Commissioner's decision in another case and further noting that applicant's case was not decided by the First Assistant Commissioner, it was held it is not the function of the First Assistant Commissioner to revise the rulings of an Assistant Commissioner or to pass upon their accuracy; if the decision was erroneous, applicant's remedy was by appeal.

NATIONAL MILLING AND CHEMICAL CO., INC., *v.* ROHM & HAAS COMPANY, Opposition No. 23,798.

In a decision rendered September 20, 1946 (169 Ms. Dec. 152, 70 USPQ —) *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of National Milling and Chemical Co., Inc., of Philadelphia, Pa., to the application of Rohm & Haas Company, also of Philadelphia, Pa., for registration of the word "Triton" as a trade-mark for materials and preparations in the form of liquids, pastes, and/or powders containing synthetic organic chemicals, for use in cleansing, scouring, laundering, degreasing, deterging, and removing soil. The opposition was sustained in view of opposer's ownership of a prior registration of the notation "Tritex Crystals" for alkali for general cleansing purposes, the descriptive word "Crystals" being disclaimed.

After noting that with the notice of appeal from the Examiner's decision, applicant submitted an amendment to its application whereby it seeks to change the description of the merchandise, so that applicant thus argues the appeal on the theory that the amended description of goods clearly distinguishes and differentiates applicant's goods from an alkali for general cleansing purposes, the goods for which opposer's mark is registered, it was held that the goods remain in the same as when the application was filed; as stated by applicant in its amendment before the Examiner of Trade-Marks, they are used for cleaning purposes generally; and since opposer objects to the proposed amendment, its entry is refused.

It was held that although it is true that applicant's products are neither alkaline nor crystalline, and that they differ specifically from opposer's product in many other particulars, they are nonetheless merchandise of the same descriptive properties within the meaning of the Trade-Mark Act.

It was further held that as applied to such merchandise the marks of the parties are confusingly similar.

After noting that applicant properly insists that the two marks should be viewed in their entirety, in response to applicant's argument that the disclaimed word "Crystals" in opposer's mark must be considered in determining the question of confusing similarity, it was held that it is clear in the instant case that opposer's mark is dominated by the word "Tritex"; indeed, the disclaimed word "Crystals" is so purely descriptive of opposer's goods as to be incapable of trade-mark significance.

EX PARTE WELLS LAMONT SMITH CORPORATION, Serial No. 453,971.

In a decision rendered September 25, 1946 (169 Ms. Dec. 159, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Wells Lamont Smith Corporation, of Chicago, Ill., the words "One Buck" in association with the picture of a buck deer, as a trade-mark for work gloves, but disapproved the Examiner's requirement for a disclaimer of the words "One Buck".

It was held that in Americanese "one buck" denotes "one dollar" practically to the exclusion of all other meanings and as applied to a pair of work gloves, the term could indicate nothing else than price so that the term is thus manifestly descriptive of applicant's goods.

In response to applicant's argument that because the words and the picture are equivalents, the mark as a whole signifies a male deer, it was held that it is doubtful that purchasers would take the trouble to describe the picture in ordering applicant's gloves, but rather the goods would probably be advertised and called for merely as "One Buck" work gloves, which expression applicant's competitors have an equal right to use.

It was held that a disclaimer would not render the mark registrable since it is clearly dominated by the words and a composite mark that is dominated by nonregistrable matter may not be registered under the Trade-Mark Act of 1905 merely because such matter is disclaimed.

In response to applicant's citation of an old registration of a mark somewhat similar to its own as a precedent supporting applicant's contention that the words "One Buck" are not descriptive of the goods, it was held that the propriety of that registration need not be discussed other than to say that while such inconsistencies are regrettable, nothing is thereby added to the registrability of applicant's mark.

EX PARTE SELAS CORPORATION OF AMERICA, Serial No. 473,261.

In a decision rendered September 25, 1946 (169 Ms. Dec. 157, — USPQ —), *First Assistant Commissioner Frazer* remanded to the Examiner of

Trade-Marks the application of Selas Corporation of America, of Philadelphia, Pa., for consideration of affidavits filed after appeal from the Examiner's decision and restored jurisdiction to the Examiner for the purpose of taking such further action as he may deem appropriate.

After noting that the affidavits were filed in an attempt to refute the Examiner's ruling that the trade-mark it seeks to register is descriptive of the goods to which appropriated and that at the hearing on appeal it was suggested that the Examiner's position might have resulted from a misconception of the mechanical structure and operation of applicant's device, it was held that if so, applicant should have made an effort to remedy such misconception, which it apparently failed to do; in any event, evidence of this character should be evaluated by the Examiner in the first instance, rather than by the Commissioner on appeal.

WHITEHALL PHARMACAL COMPANY *v.* LEDERLE LABORATORIES, INC., Opposition No. 23,774.

In a decision rendered September 25, 1946 (169 Ms. Dec. 169, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Whitehall Pharmacal Company, of Jersey City, N. J., to the application of Lederle Laboratories, Inc., of New York, N. Y., for registration of the word "Synbefax" as a trade-mark for a vitamin preparation, the mark having been used since February 8, 1944. Opposer relies upon its ownership of the trade-mark "Benefax," registered December 23, 1941, for a medicinal preparation for use as a supplement to the diet to provide additional supplies of vitamins.

It was held that the goods of the parties are virtually identical and that opposer's mark was prior in use.

After noting that applicant limits its argument on appeal to the question of confusing similarity of the marks, it was held that the Examiner of Interferences rightly ruled that concurrent use of the marks would likely give rise to confusion due to the similarity of sound and appearance.

In response to applicant's suggestion that the marks are different in significance, it was held that significance of marks is not the only factor to be considered, for appearance and sound are equally important; moreover, the differences suggested by applicant would not be recognized in the market place.

In response to applicant's complaint that the Examiner did not attempt to reconcile or distinguish the holdings in some nineteen cases which are cited in its brief, it was held that prior decisions, except as to statements of law, have but little bearing on the issues presented in trade-mark opposition cases, because of differences in facts.

CLARENCE M. HYLAND *v.* GIVAUDAN-DELAWANNA, INC., Opposition No. 24,403.

In a decision rendered September 25, 1946 (169 Ms. Dec. 159, — USPQ —) *First Assistant Commissioner Frazer* on a petition by the party Givaudan-Delawanna, Inc., of New York, N. Y., whose application to register a trade-mark is involved in an opposition proceeding instituted on a notice of opposition filed by Clarence M. Hyland, doing business as Hyland Laboratories, of Los Angeles, Calif., reversed the action of the Examiner of Interferences who had denied applicant's motion to dismiss the opposition. The opposition was verified on the 13th day of June 1945 and was lodged in the Patent Office on June 25.

After noting that Mr. Hyland testified as a witness in his own behalf and stated that Hyland Laboratories was incorporated on June 21, 1945, and that thereupon the entire business was transferred to the newly organized corporation which took over everything including the trade-marks and good will, it was held that it thus conclusively appears that Mr. Hyland had divested himself of all legal interest in the subject matter of this proceeding at the time his notice of opposition was filed so that the opposition should have been dismissed since Rule 56(*c*) of the Rules of Civil Procedure expressly provides that judgment on motion shall be rendered forthwith when it appears that there is no genuine issue as to any material fact and that the moving party is entitled to a judgment as a matter of law; for although opposer's attorney may give notice on the record that the name of the opposer shall be changed to Hyland Laboratories, a California corporation, successor to Clarence M. Hyland, nevertheless the corporation had not opposed and the mere substitution of its name for that of the individual did not serve to supply the missing allegations of the notice that would be necessary to support a judgment in its favor.

EX PARTE ALBERT HOCHBERG COMPANY, INC., Serial No. 459,368.

In a decision rendered September 27, 1946 (169 Ms. Dec. 160, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Albert Hochberg Company, Inc., of New Bergen, N. J., under the provisions of the act of March 19, 1920, a trade-mark appropriated to women's dresses, the mark consisting of the words or name "Tommie Austin" in association with the pictorial representation of a five pointed star across which is printed the word "Casual," in view of a reference registration of the single word "Tommy," likewise for women's dresses.

It was held that the Examiner rightly ruled that applicant's mark is clearly dominated by the name "Tommie Austin," and that although the spelling of the given name differs in the two marks, the pronunciation is the same and, in effect, applicant's mark incorporates the registered trade-mark in its entirety.

In response to applicant's argument that the registration is invalid because it was effected under the act of February 20, 1905, and the name "Tommy" is not distinctively displayed, it was held that "Tommy" is not a surname; and it is common practice to register Christian names; moreover, the principle is well established that the validity of registrations under the act of 1905 may not be collaterally attacked.

EX PARTE THE MILLER SHOE COMPANY, Serial No. 469,689.

In a decision rendered September 27, 1946 (169 Ms. Dec. 163, — USPQ —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks who had refused to register to The Miller Shoe Company, of Cincinnati, Ohio, under the act of February 20, 1905, a composite mark on the ground that it is predominantly descriptive of the goods to which appropriated, namely, shoes made of leather, and leather and fabric combinations.

After noting that the portion of the mark held to be descriptive is "Barefoot Freedom," it was held that the mark is highly suggestive, but since such freedom is literally impossible unless the shoes be first removed, its assertion is nothing more than an exaggerated boast that would deceive no one, the suggestion being too fantastic to be taken seriously by purchasers so that the words in question are not objectionably descriptive.

After noting that the mark also includes the word "shoes," which applicant has agreed to disclaim, it was held that before the application is passed for publication such disclaimer will be required.

THE ZERO COMPANY *v.* NATIONAL GYPSUM COMPANY, Oppositions No. 23,345, No. 23,346, and No. 23,347.

In a single decision rendered September 27, 1946 (169 Ms. Dec. 161, — USPQ —), *First Assistant Commissioner Frazer* affirmed in each of three cases the action of the Examiner of Interferences dismissing the opposition of The Zero Company, of Lockland, Ohio, to three applications of National Gypsum Company, of Buffalo, N. Y., to register trade-marks for rock wool, each of the marks sought to be registered consisting in or being dominated by the word "Zerocel." Opposer's position on appeal was that applicant's mark constitutes a complete appropriation of its firm name.

It was held that the marks applicant seeks to register include opposer's name only as a component part of the compound word "Zerocel"; this word is not opposer's name; nor may it be said to have a dominant portion.

After noting that opposer urges that the three applications should be rejected ex parte for reasons presented by petition before the appeals were taken, which petitions were denied, it was held that opposer's only legal interest in these cases relates to the inter partes questions raised by the pleadings, and as to those questions it has its remedy by appeal to the Commissioner; otherwise, it has no more right to be heard than would a mere stranger to the proceedings.

EX PARTE HOCKWALD CHEMICAL COMPANY, Serial No. 467,847.

In a decision rendered September 30, 1946 (169 Ms. Dec. 166, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks rejecting the application of Hockwald Chemical Company, of San Francisco, Calif., for registration of the words "Trade Winds" as a trade-mark for talcum powder, after-shaving lotion, hair oil and hair shampoo and lotion in view of a prior registration consisting of the notation "South Wind" appropriated to face powder.

After noting that the goods of the registration are in part substantially identical with applicant's goods, it was held that hence the only question for determination is whether or not the two marks are confusingly similar.

After noting that applicant correctly insists that the marks have different meanings, it was held that since those meanings are not suggestive of the goods, it seems that sound and appearance, rather than significance, are here the controlling factors and that in those respects, applicant's mark and the registered mark are so nearly alike that they could not be used concurrently upon goods of the character in question without reasonable likelihood of confusion.

EX PARTE THE DILL MANUFACTURING COMPANY, Serial No. 470,177.

In a decision rendered September 30, 1946 (169 Ms. Dec. 163, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing registration to The Dill Manufacturing Company, of Cleveland, Ohio, of the notation "Lok-Skru," on the ground that it is descriptive of applicant's goods; and objected to applicant's designation of its goods as rivets.

It was held that it seems entirely clear that the term "Lok-Skru" is descriptive of applicant's fastener, the parts of which screw together to lock certain plates tightly in juxtaposition.

It was further held that if applicant's fastener, as it is designated on the labels, is a rivet, it is of a specific kind, which fact should be recognized by applicant in the particular description of goods, so that Examiner's suggestion that "two-part threaded blind rivets" would be an acceptable description is a reasonable suggestion; if the present description of the goods were accepted, the public would naturally assume that applicant's product was an ordinary rivet and that is not the fact.

ANTHONY P. HAYES *v.* OXFORD DRESS COMPANY, Cancellation No. 4482.

In a decision rendered September 30, 1946 (169 Ms. Dec. 164, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the petition of Anthony P. Hayes, of Inglewood, Calif., to cancel trade-mark registration No. 393,613, issued February 17, 1942, under the provisions of the act of March 19, 1920, to Oxford Dress Company, of Boston, Mass. Respondent's mark is the notation "Toni Tailored Juniors," the goods for which it is registered being women's, misses' and juniors' dresses, the application for its registration having been filed January 27, 1941.

After noting that the case was submitted on stipulated facts, one of which is that since January 13, 1932, petitioner has been continuously using to date, and is continuing to use, the word "Toni" as a trade-mark for women's hats of his manufacture and further noting that petitioner also pleads and proved his ownership of a registration of the word "Toni" as a trade-mark for hats intended for the use of women, issued September 3, 1935, under the act of February 20, 1905, it was held that it is clear beyond argument that the goods of the parties possess the same descriptive properties.

It was further held that it is equally clear that respondent's mark includes the complete mark of petitioner as its dominant feature for "Toni" is the only word in respondent's mark that is capable of trade-mark significance, so that as the two marks are thus confusingly similar, it follows that the registrant was not entitled to the exclusive use of the mark at or since the date of his application for registration thereof and that if petitioner is injured thereby, the Commissioner shall cancel the registration.

It was held that since petitioner's mark is registered under the act of 1905 and is stipulated to have been in use when the petition to cancel was filed, injury must be presumed.

In response to respondent's argument that petitioner's registration is for various reasons invalid, it was held that its validity is not open to attack in this proceeding; moreover, petitioner's established use of his mark is probably sufficient regardless of his registration.

Erratum

In GENERAL MOTORS CORPORATION *v.* THE B. A. WESCHE ELECTRIC COMPANY, Opposition No. 23,307, 590 O. G. 534, second column, line 25, after "embraces" should be inserted *merchandise of the same class as.*

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 29, 1946

[VOL. 591. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 496,673. TRUAX-TRAER COAL COMPANY, Chicago, Ill. Filed Feb. 15, 1946.



The drawing is lined for the colors silver and red. The words "Truax" and "Traer" are disclaimed apart from the mark.

FOR COAL.

Claims use since Oct. 1, 1945.

Ser. No. 498,991. GLOBE LEATHER CORPORATION, New York, N. Y. Filed Mar. 26, 1946.



FOR LEATHER.

Claims use since February 1946.

CLASS 2

RECEPTACLES

Ser. No. 472,458. INLAND CONTAINER CORPORATION, Indianapolis, Ind. Filed July 21, 1944.



The words "Container" and "All-Weather" are disclaimed separate and apart from the mark.

FOR CORRUGATED PAPERBOARD BOXES SUITABLE FOR DOMESTIC AND EXPORT SHIPMENTS.

Claims use since Aug. 12, 1942.

Ser. No. 502,915. NORTHWEST METAL PRODUCTS, INC., Seattle, Wash. Filed May 28, 1946.



The representation of the Indian whose head constitutes the mark is entirely fanciful.

FOR GARBAGE CANS, GARBAGE PAILS, WATER PAILS, OIL CANS, COAL HODS, SPRINKLER CANS, KITCHEN STEP-ON CANS, AND FIRE BUCKETS.

Claims use since January 1920.

Ser. No. 505,320. STAPLING MACHINES CO., Wilmington, Del., and Rockaway, N. J. Filed July 9, 1946.

SPARTAN

FOR SHIPPING CONTAINERS, SUCH CONTAINERS BEING OF BOX OR CRATE CONSTRUCTION HAVING WALLS OR SIDES COMPRISING WOOD OR ITS EQUIVALENT FOR FRUITS AND VEGETABLES.
Claims use since July 5, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 493,790. MAGID HANDBAGS, New York, N. Y. Filed Dec. 22, 1945.

PLASTICOOL

FOR HANDBAGS.
Claims use since Dec. 1, 1944.

Ser. No. 493,862. GEORGE WENGER, New York, N. Y. Filed Dec. 22, 1945.

LONGTRIP

FOR TRAVELLING CASES.
Claims use since Dec. 1, 1944.

Ser. No. 502,360. THE WILSON MANUFACTURING CO., INC., Boston, Mass. Filed May 17, 1946.

ESCORT

FOR COIN PURSES AND COMBINATION BILLFOLDS AND COIN PURSES.
Claims use since September 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 477,704. KATZ DRUG COMPANY, doing business as Colonial Laboratories, Kansas City, Mo. Filed Dec. 18, 1944.

Stylis

FOR DETERGENT PREPARATION FOR USE IN BATHING AND WASHING PARTS OF THE HUMAN BODY.
Claims use since 1939.

Ser. No. 483,703. TROJAN PRODUCTS & MFG. CO., Chicago, Ill., assignor to The Diversey Corporation, Chicago, Ill., a corporation of Illinois. Filed May 23, 1945.

TROJAN

FOR HAND SOAP, POLISH (HAVING WATER SOFTENING PROPERTIES) FOR REFINISHING AND CLEANSING METAL, WOOD AND OTHER SURFACES, METAL POLISH, CARPET AND UPHOLSTERY SHAMPOO IN LIQUID FORM AND HAVING SAPONACEOUS PROPERTIES, DISHWASHING COMPOUND, PORCELAIN AND ENAMEL CLEANING PREPARATION HAVING ABRASIVE AND SAPONACEOUS PROPERTIES.
Claims use on hand soap, polish for refinishing metal, wood and other surfaces, metal polish, dishwashing compound and porcelain and enamel cleaning preparation having abrasive and saponaceous properties since October 1923; and on carpet and upholstery shampoo in liquid form and having saponaceous properties since January 1930.

Ser. No. 493,984. JOHN T. STANLEY CO., INC., New York, N. Y. Filed Dec. 28, 1945.

PROTOL

FOR WETTING AGENT AND CLEANSER, PARTICULARLY USEFUL IN CLEANING BUSES AND TRUCKS.
Claims use since June 11, 1945.

Ser. No. 495,591. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Jan. 29, 1946.

POTSAN
PANSEN

FOR HOUSEHOLD CLEANSER.
Claims use since Jan. 25, 1946.

Ser. No. 495,592. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Jan. 29, 1946.

AJAX

FOR SOAP AND HOUSEHOLD CLEANSER.
Claims use since 1904 on soap; and since Jan. 22, 1946, on cleanser.

Ser. No. 495,911. SAPONIFIED PRODUCTS COMPANY, INC., Oakland, Calif. Filed Feb. 2, 1946.

WILLIWAW

FOR PREPARATION FOR CLEANING AND PROTECTING THE SKIN.
Claims use since July 1945.

Ser. No. 496,357. ZITOMER CHEMISTS, INC., New York, N. Y. Filed Feb. 9, 1946.

REJAY

FOR SOAP.
Claims use since January 1936.

Ser. No. 497,780. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed Mar. 7, 1946.



FOR SHEET MATERIAL COATED WITH ABRASIVE GRAIN.
Claims use since May 30, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 475,916. LYSTAD & REDICK, East Grand Forks, Minn., and Devils Lake, N. Dak., assignors to Lystad & Redick, Inc., East Grand Forks, Minn. Filed Oct. 31, 1944.

STERISOL

FOR CHEMICAL DISINFECTANT, DEODORANT, AND GERMICIDAL MATERIAL OF GENERAL UTILITY, AND PARTICULARLY ADOPTED FOR SANATIZING EQUIPMENT IN TAVERNS, CAFES, CREAMERIES, AND SCHOOLS, BUT NOT LIMITED THERETO.
Claims use since Mar. 21, 1942.

Ser. No. 477,547. M. DE TUVACHÉ, New York, N. Y., assignor to Tuvaché Co., New York, N. Y., a firm composed of Howard and Bernadine Angus. Filed Dec. 14, 1944.

COSSACK

FOR COLOGNE, HAIR LOTION, AND TOILET WATER.
Claims use since Dec. 15, 1938.

Ser. No. 484,984. L. SONNEBORN SONS, INC., New York, N. Y. Filed June 23, 1945.

PENETRALENE

FOR SURFACE ACTIVE LIQUID COMPOSITION USED AS AN ASSISTANT IN DYEING OF TEXTILE FABRICS.
Claims use since January 1917.

Ser. No. 488,919. OSCAR C. OLIN, doing business as Olin Products Co., Hartsdale, N. Y. Filed Sept. 24, 1945.

Pritti

FOR DEPILATORIES, DEODORANT AND ANTI-PERSPIRANT, ADAPTED FOR PERSONAL USE AND COSMETIC CREAMS.
Claims use since Aug. 1, 1945.

Ser. No. 489,178. CHARLES A. JENSEN, doing business as Midland Manufacturing Co., Buffalo, N. Y. Filed Sept. 29, 1945.

Miracle

FOR PENETRATING OIL NOT IN THE NATURE OF A LUBRICANT AND USED TO RELEASE AND REMOVE CORROSION ON NUTS, BOLTS, PIPE JOINTS, ETC.
Claims use since Sept. 8, 1945.

Ser. No. 491,652. MAN OF MANHATTAN, INC., New York, N. Y. Filed Nov. 15, 1945.



Applicant disclaims the right to the term "Gentleman" apart from the mark.
FOR MEN'S TOILETRIES—NAMELY, AFTER-SHAVE LOTION, DRESSINGS AND LOTIONS FOR THE HAIR, DEODORANT, MEN'S COLOGNE AND TALCUM POWDER.
Claims use since Oct. 24, 1945.

Ser. No. 493,132. MARCEL LEDUC, Rochester, N. Y. Filed Dec. 12, 1945.

SKIP-ODO

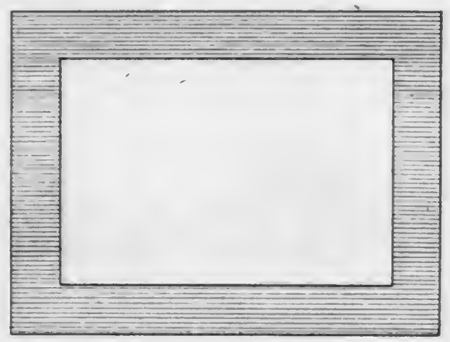
FOR DEODORANTS, PERSONAL AND ROOM.
Claims use since Dec. 5, 1945.

Ser. No. 493,536. CHURCH & DWIGHT CO., INC., New York, N. Y. Filed Dec. 19, 1945. Under 10-year proviso.



Applicant is the owner of registration No. 59,095 for an oblong rectangular band. The mark consists of an oblong rectangular band.
FOR BICARBONATE OF SODA AND SAL SODA.
Claims use since 1876.

Ser. No. 493,537. CHURCH & DWIGHT CO., INC., New York, N. Y. Filed Dec. 19, 1945.



Applicant is the owner of registration No. 59,095 for an oblong, rectangular band. The mark consists of an oblong, rectangular band, colored blue.
FOR BICARBONATE OF SODA AND BAKING SODA.
Claims use since March 1930.

Ser. No. 494,235. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 3, 1946.

Hildegarde Rose

The word "Rose" is disclaimed apart from the mark.
FOR NAIL ENAMEL, LIPSTICKS, FACE POWDER, AND ROUGE.
Claims use since Sept. 10, 1945.

Ser. No. 497,176. JOE GRANT AND DICK HUEMER, Glendale, Calif. Filed Feb. 25, 1946.

Surrealism

FOR COLOGNE.
Claims use since Jan. 7, 1946.

Ser. No. 498,888. EDWARD M. DAVIDSON, New York, N. Y. Filed Mar. 25, 1946.

VITENE

FOR LIQUID PREPARATION FOR COATING SOFT OR HARD RUBBER TO PRESERVE THE LIFE THEREOF.
Claims use since June 26, 1943.

Ser. No. 499,524. WALLACE & TIERNAN PRODUCTS, INCORPORATED, Belleville, N. J. Filed Apr. 2, 1946.

LAURAZIN

FOR PHARMACEUTICAL FOR PREPARATION OF CLEANSING AND ASTRINGENT SOLUTIONS.
Claims use since Mar. 18, 1946.

Ser. No. 499,996. DORSETT-JONES, INC., Baltimore, Md. Filed Apr. 11, 1946.



FOR INSECTICIDES AND INSECT SPRAYS OF THE RESIDUAL AND CONTACT TYPES.
Claims use since Feb. 27, 1946.

Ser. No. 500,002. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Apr. 11, 1946.

GENITOX

FOR INSECTICIDES.
Claims use since Mar. 4, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 499,131. THE GAILSTYN COMPANY, New York, N. Y. Filed Mar. 28, 1946.

It's-a-"Dilly"

FOR ASHTRAYS AND CIGARETTE BOXES IN GLASS, BASE METAL, PLASTIC, WOOD, AND COMBINATIONS THEREOF.
Claims use since Sept. 15, 1945.

CLASS 10

FERTILIZERS

Ser. No. 496,098. ORGANIC FACTOR & CHEMICAL COMPANY, and also doing business as Organic Factors and Chemicals, South San Francisco, Calif. Filed Feb. 6, 1946.



No claim is made to the word "Soil" apart from the mark.
FOR MIXTURE OF SHEEP MANURE AND PEAT MOSS FOR TREATING SOIL.
Claims use since May 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 498,250. HERBERT P. ORTH, doing business as Keystone Flashing Company, Philadelphia, Pa. Filed Mar. 14, 1946.

SIMPLEX

FOR METAL CLOSED OR FRICTION TYPE GUTTERS FORMING RECEIVERS FOR FLASHINGS FOR USE WITH CONCRETE WALLS.
Claims use since May 8, 1940.

Ser. No. 501,308. CARNEY ROCKWOOL CO., Mankato, Minn. Filed May 2, 1946.

Golden Fleece

FOR ROCKWOOL INSULATION BATTS.
Claims use since Oct. 1, 1945.

Ser. No. 504,142. ACME BRICK COMPANY, Fort Worth, Tex. Filed June 19, 1946.

VULCAN

FOR FIRE BRICK AND REFRACTORY SHAPES.
Claims use since Jan. 1, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 486,530. ALEXANDER H. ISENBERG, doing business as Durant Insulated Pipe Company, Palo Alto, Calif. Filed July 31, 1945.

D. I. P.

FOR THERMAL INSULATED PIPE FITTINGS AND SEPARATE PARTS OF SAME.
Claims use since February 1935.

Ser. No. 496,550. HERMAN G. ENGELKE, doing business as Engelke Engineering, Hartford, Wis. Filed Feb. 14, 1946.



FOR STAINLESS STEEL HOSE RACKS FOR USE IN DAIRY AND FOOD PROCESSING INDUSTRIES.
Claims use since Oct. 15, 1945.

Ser. No. 497,171. BERNARD EDWARD CO., Chicago, Ill. Filed Feb. 25, 1946.

Lifetime
DRAPERY FIXTURES

No claim is made to the words "Drapery Fixtures" apart from the mark.
FOR DRAPERY FIXTURES—NAMELY, TIE BACKS, RINGS, CRANES, TRAVERSE RODS, AND PUSH PINS.
Claims use since June 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 497,246. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Feb. 26, 1946.

INCO NI-ROD

No claim is made to the word "Rod" apart from the mark.
FOR COATED WELDING ELECTRODES MADE OF NICKEL.
Claims use since June 27, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 496,225. ELLIS PAINT COMPANY, Long Beach, Calif. Filed Feb. 8, 1946.

FORE--N--AFT

FOR READY MIXED PAINTS, PAINT ENAMELS, AND VARNISHES.
Claims use since Mar. 12, 1936.

Ser. No. 496,516. NUKEM PRODUCTS CORPORATION, Buffalo, N. Y. Filed Feb. 13, 1946.

NUKEMITE

FOR ACID AND ALKALI PROOF PLASTIC PAINT PRODUCT.
Claims use since Nov. 15, 1945.

Ser. No. 497,767. THE AMERICAN VARNISH COMPANY, Chicago, Ill. Filed Mar. 7, 1946.

101

The mark consists merely in the number "101".
FOR LINOLEUM LACQUER.
Claims use since 1925.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 484,616. CAVALCADE PRODUCTS, New York, N. Y. Filed June 16, 1945.

CAVALCADE

FOR RADIO RECEIVING SETS.
Claims use since February 1945.

Ser. No. 488,913. P. R. MALLORY & CO., INC., Indianapolis, Ind. Filed Sept. 24, 1945.

D-54

FOR ELECTRICAL CONTACTS.
Claims use since May 30, 1945.

Ser. No. 489,431. AMERICAN LAVA CORPORATION, Chattanooga, Tenn. Filed Oct. 5, 1945.

TIOLEKTRIK

FOR HIGH DIELECTRIC CONSTANT CERAMICS FOR USE AS INSULATORS IN CAPACITORS, CONDENSERS, RESISTORS AND THE LIKE INVOLVING THE USE OF TITANIUM.
Claims use since Aug. 30, 1945.

Ser. No. 492,020. AMPCO METAL, INC., Milwaukee, Wis. Filed Nov. 23, 1945.

AMPCO

FOR ELECTRIC TERMINALS AND CONTACTS; ELECTRIC TROLLEY SHOES; ELECTRIC SWITCH CONTACTS; ELECTRIC RESISTANCE AND FLASH WELDING ELECTRODES; AND ELECTRODE HOLDERS.
Claims use since February 1919.

Ser. No. 492,022. AMPCO METAL, INC., Milwaukee, Wis. Filed Nov. 23, 1945.

AMPCO-WELD

No claim is made to the word "Weld" except when used in association with the mark.
FOR SPOT WELDING TIPS AND RESISTANCE WELDING ELECTRODES.
Claims use since Oct. 19, 1945; and since February 1919, as to the word "Ampco".

Ser. No. 496,201. CONCORD RADIO CORPORATION, Chicago, Ill. Filed Feb. 8, 1946.

MULTIAMP

FOR RADIO AND/OR PUBLIC ADDRESS AMPLIFYING UNITS.
Claims use since Jan. 16, 1946.

Ser. No. 496,224. ELECTRONIC CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 8, 1946.

DI-FUSA-TONE

No claim is made to the word "Tone" apart from the mark.
FOR RADIO RECEIVING SETS AND PARTS THEREOF.
Claims use since Oct. 25, 1945.

Ser. No. 497,377. DETROIT DEVELOPMENT & MANUFACTURING COMPANY, INC., Detroit, Mich. Filed Feb. 28, 1946.

TODDELITE

FOR PORTABLE ELECTRIC NOVELTY NIGHT LIGHTS.
Claims use since Feb. 4, 1946.

Ser. No. 498,221. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 14, 1946.

Firestone AIR CHIEF

FOR HOME, AUTOMOBILE, AND PORTABLE RADIO RECEIVING SETS AND PARTS THEREOF, RADIO DRY CELL AND STORAGE BATTERIES, RADIO AERIALS, RADIO TUBES, ELECTRIC RECORD PLAYERS, AND AUTOMOBILE HORNS.
Claims use since Oct. 1, 1935.

Ser. No. 499,840. IRWIN E. KANE, Providence, R. I. Filed Apr. 8, 1946.

Interstate Deluxe

No claim is made to the word "De Luxe" apart from the mark.
FOR ELECTRICAL VACUUM CLEANERS.
Claims use since 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 490,425. THOMAS S. FERGUSON, Medina, N. Y. Filed Oct. 24, 1945.

REALIFE

FOR WOODEN TOYS—NAMELY, MOVING VANS, COAL TRUCKS, TRUCK TRAILERS WITH LUMBER, STILTS, CHESTS WITH SLIDING PANEL TOP, UTILITY CHESTS, AND CHESTS.
Claims use since Aug. 1, 1945.

Ser. No. 490,662. JARMAN-WILLIAMSON COMPANY, Portland, Oreg. Filed Oct. 29, 1945.

BAG BOY

The exclusive use of the word "Bag" is disclaimed apart from the mark.
FOR COLLAPSIBLE CARTS FOR CARRYING GOLF BAGS ON THE GOLF COURSE.
Claims use since Aug. 14, 1945.

Ser. No. 491,524. CHARLES H. TAYLOR, Springfield, Mass. Filed Nov. 13, 1945.

Games of Fame

Applicant disclaims the exclusive right to the word "Games" apart from the mark.
FOR GAMES—NAMELY, GAME BOARDS AND PLAYING PIECES MOVABLE THEREON; AND CARD GAMES—NAMELY, SETS OF CARDS CARRYING INDICIA AND CHARACTERS WHICH ARE PLAYED ACCORDING TO RULES ACCOMPANYING THE GAMES.
Claims use since Mar. 2, 1943.

Ser. No. 491,711. PAUL A. FULD, Glen Burnie, Md. Filed Nov. 16, 1945.

RING-O-NOK

FOR PUSH AND PULL WHEEL TRUNDLE TOYS.
Claims use since Sept. 21, 1945.

Ser. No. 504,117. MASON TACKLE, Otisville, Mich. Filed June 18, 1946.



The representation of the fisherman is fanciful.
FOR FISHING LINE LEADERS.
Claims use since June 1938.

Ser. No. 505,120. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed July 5, 1946.

TRIPPIT

FOR BAGATELLE TYPE OF GAME PLAYED WITH MARBLES.
Claims use since June 24, 1946.

Ser. No. 505,334. CHILDHOOD INTERESTS, INC., Roselle, N. J. Filed July 10, 1946.

THE CRADLE SPIN

FOR EXERCISERS FOR BABIES.
Claims use since Apr. 10, 1946.

Ser. No. 505,980. PATEK MANUFACTURING CORP., Jackson Heights, Long Island, N. Y. Filed July 20, 1946.

AMAZO

FOR PULL, AND SPRING WOUND ANIMATED TOYS.
Claims use since May 6, 1946.

Ser. No. 506,335. NATIONAL PAPER BOX CO. INC., West Springfield, Mass. Filed July 26, 1946.

Add-A-Room

Applicant disclaims exclusive right to the word "Room" apart from the mark.
FOR SET UP DOLL HOUSES.
Claims use since July 19, 1946.

Ser. No. 508,739. WILLIAM H. MULDER, Grand Rapids, Mich. Filed Sept. 9, 1946.

TILT

FOR PLAYING CARDS.
Claims use since Sept. 6, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 467,318. IMPERIAL KNIFE COMPANY, INC., Providence, R. I. Filed Feb. 10, 1944.



No claim is made to the words "Brand" and "Jack" apart from the mark.
FOR POCKET KNIVES.
Claims use since Aug. 30, 1938.

Ser. No. 479,744. AEROJET ENGINEERING CORPORATION, Pasadena, Calif. Filed Feb. 13, 1945.

AEROJET

Applicant is owner of trade-mark registration No. 409,006 issued Sept. 12, 1944.
FOR THRUST MOTORS WHOSE GENERAL PURPOSE IS TO PROVIDE THRUST BY MEANS OF A COMBUSTION PROCESS, AND INCLUDES ALL THE COMPONENT PARTS OF SUCH MOTORS.
Claims use since May 9, 1944.

Ser. No. 485,945. ECONOMIC STAMPINGS LIMITED, Leicester, England. Filed July 18, 1945.

CU-COT

The word "Cot" is disclaimed apart from the mark.
FOR CHAINS BEING PARTS OF KNITTING AND TEXTILE MACHINES, AND PARTS THEREOF.
Claims use since Aug. 17, 1944.

Ser. No. 489,104. ERNEST F. CULBREATH, Charlotte, N. C. Filed Sept. 28, 1945.

NUMO

FOR AUTOMATIC SPINNING CONTROLS, USED ON TEXTILE SPINNING FRAMES TO CONDITION THE FRAMES AUTOMATICALLY FOR DOFFING AND TO EFFECT UNIFORMITY IN THE TEXTILE PACKAGES FORMED ON THE FRAMES.
Claims use since Sept. 22, 1945.

Ser. No. 491,928. STEPHEN J. MORRISSEY, Rapid City, S. Dak. Filed Nov. 20, 1945.

PortaCrane

Applicant disclaims any exclusive use of the word "Crane", except in the association shown.
FOR TRAILER-TYPE, MOBILE, POWERED CRANES, FOR GENERAL HOISTING, LOADING, AND UNLOADING OF EQUIPMENT AND MATERIALS, HANDLING AND ERECTION OF POLES AND POSTS, CLAMSHELL AND DRAGLINE WORK AND PILE DRIVING.
Claims use since June 1941.

Ser. No. 493,020. OLSON MANUFACTURING COMPANY, Boise, Idaho. Filed Dec. 10, 1945.

OMC

FOR POWER OPERATED LIFTS AND HOISTS ATTACHED TO TRACTOR ATTACHED POWER OPERATED LIFTS, HOISTS, BUCK RAKES, CORRUGATORS, DOZER BLADES, SHEAVE BLOCKS, AND CONTROL VALVES THEREFOR AND PARTS THEREOF.
Claims use since March 1945.

Ser. No. 495,913. SUPERIOR ENGINEERING COMPANY, North Hollywood, Calif. Filed Feb. 2, 1946.

BARBOY

FOR COMBINATION APPLIANCE EMBODYING A JIGGER, A CORKSCREW, AND A BOTTLE OPENER.
Claims use since Oct. 1, 1945.

Ser. No. 495,995. JAMES T. SHINDLER, Hempstead, Tex. Filed Feb. 4, 1946.

MINIT MAN

FOR MOTOR VEHICLE LIFTING JACKS.
Claims use since Jan. 18, 1946.

Ser. No. 496,143. ISLAND EQUIPMENT CORP., New York, N. Y. Filed Feb. 7, 1946.

ISLAND

FOR CONVEYOR APPARATUS OF THE ENDLESS BELT TYPE FOR MOVING, HANDLING, ACCUMULATING, AND UNSCRAMBLING UNITS SUCH AS BOTTLES, JARS, CANS, CONTAINERS, CASES, AND SMALL INDIVIDUAL PACKAGES.
Claims use since Aug. 10, 1945.

Ser. No. 496,144. ISLAND EQUIPMENT CORP., New York, N. Y. Filed Feb. 7, 1946.

Styl-O-Matic

FOR CONVEYOR APPARATUS OF THE ENDLESS BELT TYPE FOR MOVING, HANDLING, ACCUMULATING, AND UNSCRAMBLING UNITS SUCH AS BOTTLES, JARS, CANS, CONTAINERS, CASES, AND SMALL INDIVIDUAL PACKAGES.
Claims use since May 1, 1941.

Ser. No. 496,145. ISLAND EQUIPMENT CORP., New York, N. Y. Filed Feb. 7, 1946.

ULTIMATE

FOR CONVEYOR APPARATUS OF THE ENDLESS BELT TYPE FOR MOVING, HANDLING, ACCUMULATING, AND UNSCRAMBLING UNITS SUCH AS BOTTLES, JARS, CANS, CONTAINERS, CASES, AND SMALL INDIVIDUAL PACKAGES.
Claims use since Mar. 2, 1942.

Ser. No. 499,850. NATIONAL JET COMPANY, Cumberland, Md. Filed Apr. 8, 1946.

NAJET

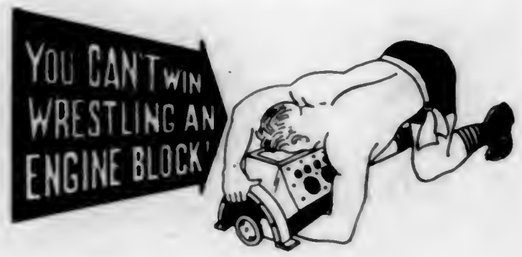
FOR DRILLS, PUNCHES, REAMERS, DRILL PRESSES, AND PARTS FOR SUCH MACHINES AND INSTRUMENTS.
Claims use since July 1945.

Ser. No. 499,861. EDWARD L. SIBLEY MANUFACTURING COMPANY, INC., Bennington, Vt. Filed Apr. 8, 1946.

CHALLENGE

FOR PRESSES OR MACHINES FOR SETTING AND REMOVING EYELETS.
Claims use since Aug. 18, 1887.

Ser. No. 500,945. CLAYBORNE MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 26, 1946.



The words "Engine Block" and the representation thereof are disclaimed apart from the mark.

FOR ENGINE OVERHAUL STANDS DESIGNED FOR AUTOMOTIVE, SHOP AND FACTORY USE AND ADAPTED TO ADJUSTABLY SUPPORT ENGINE BLOCKS.

Claims use since 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 491,470. FEDERAL MANUFACTURING & ENGINEERING CORPORATION, Brooklyn, N. Y. Filed Nov. 13, 1945.

FEDERAL

Applicant is the owner of Reg. No. 377,008.

FOR SCIENTIFIC DEVICES—NAMELY, PROJECTING MICROSCOPES, OPAQUE PROJECTORS FOR DRAWING, CAMERA LUCIDAS, OPTICAL CONSTRUCTION SETS, PICTURE PROJECTORS, READING MACHINES, STEREOSCOPES, AND PANTAGRAPHS; LABORATORY INSTRUMENTS—NAMELY, MICRO PROJECTORS, ORTHOPTIC TRAINING MACHINES, OPTICAL BENCHES, POLARIZED LIGHT TESTING AND PROJECTING EQUIPMENT, PROJECTING EQUIPMENT FOR PROJECTING LARGE OR REDUCED IMAGES OF TRANSPARENT OR OPAQUE IMAGES, FINGERPRINT AND STAMP MAGNIFIERS, MICRO FILM READING MACHINES, MICROSCOPES AND PHOTOMETERS; AND PHOTOGRAPHIC EQUIPMENT—NAMELY, CAMERAS AND SHUTTERS, FILTERS, EASELS AND FINDERS, FILM DEVELOPING AND FIXING TANKS, FILM DEVELOPING AND FIXING OUTFITS, ELECTRIC LAMPS FOR PHOTOGRAPHIC USE, PHOTO ENLARGERS, PHOTO PROJECTION PRINTERS, FILM VIEWERS AND MAGNIFIERS, EXPOSURE AND LIGHT METERS, EXPOSURE CALCULATORS AND TESTERS, FILM FILES AND PAPER HOLDERS, FILM PACK HOLDERS, FILM REELS, FILM REWINDS AND SPLICERS, FILM EDITING MACHINES AND FILM ENLARGERS, MOTION PICTURE FILM ENLARGERS, PHOTO-FLASH SYNCHRONIZERS, PHOTOGRAPHIC LIGHTING EQUIPMENT, TIMERS AND FOOT SWITCHES, TRANSPARENCY SLIDE MOUNTING FRAMES, LENSES, DARKROOM SAFETY LIGHTS, TRIPODS AND ACCESSORIES, MOVIE CAMERAS, PROJECTORS, SCREENS AND TITLING OUTFITS, CONTACT PRINTERS, PRINT AND FILM DRIERS, FOCUSING TARGETS, RETOUCHING EQUIPMENT, RANGE FINDERS, PRINT FLATTENERS AND PRESSES, COPYING CAMERAS, MICROFILM CAMERAS, PHOTOSTAT MACHINES, AND BLUEPRINT MACHINES.

Claims use since Nov. 3, 1937.

Ser. No. 496,767. C. G. CONN LTD., Elkhart, Ind. Filed Feb. 18, 1946.

Stroboconn

FOR STROBOSCOPIC APPARATUS FOR MEASURING THE FREQUENCIES OF SOUNDS.

Claims use since Feb. 1, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 495,210. BARNSTEAD STILL AND STERILIZER CO., Boston, Mass. Filed Jan. 23, 1946.

Bantam

FOR WATER DEMINERALIZING APPARATUS OF THE FILTER TYPE, AND DEMINERALIZING RENEWAL CARTRIDGES FOR USE THEREIN.

Claims use since Oct. 27, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 487,645. SIMON MATTRESS MANUFACTURING CO., San Francisco, Calif. Filed Aug. 27, 1945.

simon pure

FOR MATTRESSES, PILLOWS, BOX SPRINGS, AND DUAL-PURPOSE UPHOLSTERED FURNITURE—NAMELY, BED DIVANS, SOFA BEDS, AND STUDIO COUCHES.

Claims use since 1920 on the words "Simon Pure"; and since February 1930 on the mark presented.

Ser. No. 490,854. PROTECTION PRODUCTS CO., Chicago, Ill. Filed Oct. 31, 1945.



FOR FURNITURE SLIP COVERS, FURNITURE SEAT COVERS, MADE OF WOVEN PAPER FIBER, CLOTH, RAYON, LEATHER, AND/OR COMBINATIONS THEREOF, HASSOCKS, CUSHIONS, AND PILLOWS.

Claims use since November 1936.

Ser. No. 504,394. SOPHIE C. SAWICKI, doing business as Plasticform Co., Brooklyn, N. Y. Filed June 21, 1946.

KING TOT

FOR BASSINETS.

Claims use since April 1946.

Ser. No. 505,979. NEW ENGLAND BEDDING CO., Medford, Mass. Filed July 20, 1946.

GIPSY

FOR FRAME HAMMOCKS.

Claims use since Feb. 3, 1939.

Ser. No. 508,752. SOUTHERN SPRING BED COMPANY, Atlanta, Ga. Filed Sept. 9, 1946.

Moon River

FOR MATTRESSES.

Claims use since June 27, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 501,382. G-M LABORATORIES, INC., Chicago, Ill. Filed May 3, 1946.

Surf

FOR ELECTRIC PORTABLE HEATER-FAN COMBINATION FOR ROOM HEATING AND VENTILATING PURPOSES.

Claims use since Oct. 1, 1945.

CLASS 37

PAPER AND STATIONERY

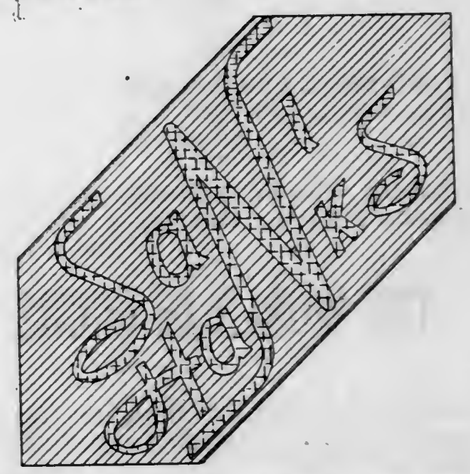
Ser. No. 489,729. A. W. FABER, INC., Newark, N. J. Filed Oct. 10, 1945. Under section 5b of the act of 1905 as amended in 1920 as to "A. W. Faber."

A. W. FABER
NYLEX

FOR COMBINATION BRUSH AND RUBBER ERASER FOR TYPEWRITER USE.

Claims use since Aug. 15, 1945.

Ser. No. 493,876. SANI-HANKY COMPANY, Portland, Oreg. Filed Dec. 24, 1945.



The drawing is lined for shading only. The word "Hanks" is disclaimed apart from the mark.

FOR PAPER HANDKERCHIEFS.

Claims use since Aug. 15, 1945.

Ser. No. 494,292. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Jan. 4, 1946.

Strathmore Writing

Applicant is the owner of Reg. No. 29,613, (renewed). Applicant disclaims apart from the mark the word "Writing."

FOR WRITING AND PRINTING PAPER.

Claims use since Dec. 5, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 500,338. WALDEN R. WILLIAMS, doing business as The Health Builders, Los Angeles, Calif. Filed Apr. 16, 1946.



FOR BOOKLET GIVING INFORMATION ON FOODS AND DIET.
Claims use since Aug. 31, 1942.

Ser. No. 500,378. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Apr. 17, 1946.

Billy the kid and OSCAR

FOR PERIODICAL PUBLICATION.
Claims use since Apr. 5, 1946.

Ser. No. 500,810. LIBRARY OF INTERNATIONAL RELATIONS, Chicago, Ill. Filed Apr. 24, 1946.

THE WORLD IN FOCUS

FOR MONTHLY INDEX OF SELECTED MATERIALS ON FOREIGN AFFAIRS: BOOKS, PAMPHLETS, AND MAGAZINE ARTICLES.
Claims use since August 1945.

Ser. No. 501,983. HALL BROTHERS, INCORPORATED, Kansas City, Mo. Filed May 13, 1946.

"Doodles"

FOR GREETING CARDS.
Claims use since July 2, 1945.

CLASS 39

CLOTHING

Ser. No. 478,330. FLORENCE LUSTIG, doing business as Florence, New York, N. Y. Filed Jan. 6, 1945.

Divi-Divi

FOR WOMEN'S CINGLES (STRAP DEVICES FOR HOLDING THE BREASTS IN PROPER POSITION).
Claims use since Sept. 11, 1944.

Ser. No. 481,723. SUPERBA CRAVATS, Rochester, N. Y. Filed Apr. 4, 1945.

NEON OMBRE

FOR NECKTIES.
Claims use since Sept. 17, 1940.

Ser. No. 486,433. O'DONNELL SHOE CORPORATION, Humboldt, Tenn. Filed July 28, 1945.



FOR FOOTWEAR—NAMELY, SHOES OF LEATHER, RUBBER, FABRIC OR SYNTHETIC MATERIALS OR COMBINATIONS OF SUCH MATERIALS.
Claims use since Dec. 11, 1944.

Ser. No. 488,684. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Sept. 19, 1945.



Applicant disclaims the right to the exclusive use of the words "Set" and "Fashions" except with relation and association shown.
FOR MISSES' AND GIRLS' DRESSES, COATS, SUITS, BLOUSES, OUTER SKIRTS, JACKETS, SWEATERS, SCARVES, HATS LEATHER SHOES, NEGLIGEES, NIGHTGOWNS, SLIPS, PETTICOATS, UNDERDRAWERS, BLOOMERS, VESTS; BANDEAUX, BRASSIÈRES, GIRDLES AND GARTER BELTS, AND COMBINATIONS OF THE SAME.
Claims use since Feb. 5, 1945.

Ser. No. 494,271. HOLLY SHOE COMPANY, Boston, Mass., and Littleton, N. H. Filed Jan. 4, 1946.

TOP STATE

FOR SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR MISSES, CHILDREN, AND GROWING GIRLS.
Claims use since February 1935.

Ser. No. 496,162. RELIABLE SHOULDER PAD, New York, N. Y. Filed Feb. 7, 1946.

CAMOPAD

FOR CAMISOLES EQUIPPED WITH SHOULDER PADS.
Claims use since Sept. 1, 1944.

Ser. No. 498,694. GREENSBORO MANUFACTURING CO., New York, N. Y. Filed Mar. 21, 1946.

Lady Serena

FOR WOMEN'S AND CHILDREN'S NIGHTGOWNS AND PAJAMAS.
Claims use since Mar. 1, 1946.

Ser. No. 499,695. JACK COHEN, New York, N. Y. Filed Apr. 5, 1946.

Young Family Fashions

The word "Fashions" is disclaimed apart from the association shown.
FOR SLACKS, BLOUSES, JACKETS, SKIRTS, SHORTS, AND OVERALLS FOR WOMEN, MISSES, AND CHILDREN.
Claims use since Mar. 8, 1946.

Ser. No. 499,841. LAURALU COMPANY, New York, N. Y., assignor to Laura-Lu Company, Inc., New York, N. Y., a corporation of New York. Filed Apr. 8, 1946.

Miss LAURA-LU

The word "Miss" is disclaimed apart from the mark.
FOR WOMEN'S, MISSES', AND CHILDREN'S PLAY SUITS, PAJAMAS, HOUSECOATS AND SMOCKS.
Claims use since Mar. 4, 1946; and since Feb. 17, 1944, as to the words "Laura-lu".

Ser. No. 500,400. LORD JEFF KNITTING COMPANY INCORPORATED, New York, N. Y. Filed Apr. 17, 1946.

Little Jeff

FOR SWEATERS FOR MEN, WOMEN, BOYS, AND GIRLS, MUFFLERS AND COTTON BASQUE SHIRTS.
Claims use since January 1941.

Ser. No. 501,465. MAXAN GARMENT CO., New York, N. Y. Filed May 4, 1946.

Maxan

FOR BRIDAL NEGLIGEES, NIGHTGOWNS, AND COMBINATIONS THEREOF.
Claims use since Nov. 1, 1938.

Ser. No. 501,513. HERMAN KRESS, doing business as Character Foundations, New York, N. Y. Filed May 6, 1946.

CHARBON

FOR CORSETS AND GIRDLES.
Claims use since Nov. 1, 1945.

Ser. No. 501,778. SHANNON HOSIERY MILLS, INC., Columbus, Ga. Filed May 9, 1946.

Lurleen

FOR HOSIERY.
Claims use since Mar. 27, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 487,795. HENRY POLLAK, INC., New York, N. Y. Filed Aug. 30, 1945.

FALCON

FOR HAT BRAIDS, USED BY MILLINERS.
Claims use since June 12, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 483,619. HAFNER ASSOCIATES, INC., New York, N. Y. Filed May 21, 1945.

FABULOUS

FOR PIECE GOODS OF COTTON, WOOL, SILK, RAYON, NYLON, AND PROTEIN FIBRES.
Claims use since Sept. 25, 1944.

Ser. No. 483,926. RELIANCE TEXTILE CO., New York, N. Y. Filed May 29, 1945.

fabriton PRODUCT

No claim is made to the word "Product" apart from the mark.
FOR WINDOW DRAPES, WINDOW CURTAINS, BLANKETS, TABLECLOTHS, TOWELS AND BEDSPREADS.
Claims use since May 4, 1945.

Ser. No. 489,251. BANGOR MILLS, INC., Bangor, Pa. Filed Oct. 2, 1945.

Magic Symphony

FOR WINDOW CURTAINS, DRAPERIES, AND BEDSPREADS.
Claims use since Apr. 1, 1945.

Ser. No. 491,430. RAINWEAR SUPPLY, INC., Passaic, N. J. Filed Nov. 10, 1945.

FILMTEX

FOR PLIABLE PLASTIC SHEETING OF VINYL RESIN, PLASTICIZER, STABILIZER, AND COLORING AGENT FOR USE IN THE MANUFACTURE OF UMBRELLAS, RAINCOATS, SHOWER CURTAINS, FOOD COVERS, MACHINE COVERS, BABY PANTS, CRIB SHEETS, APRONS, BEAUTY PARLOR CAPS, SHOWER CAPS AND THE LIKE.
Claims use since Oct. 20, 1945.

Ser. No. 492,289. SPIEGEL, INC., Chicago, Ill. Filed Nov. 27, 1945.

Plan-a-Room Prints

No claim is made to the word "Prints" apart from the mark.
FOR TEXTILE YARD GOODS, UPHOLSTERY FABRICS IN THE PIECE, AND DRAPERY MATERIAL IN THE PIECE, ALL MADE FROM COTTON, WOOL, SILK, RAYON, OR COMBINATIONS THEREOF.
Claims use since Aug. 19, 1945.

Ser. No. 498,519. HEMISPHERE FABRICS CORPORATION, New York, N. Y. Filed Mar. 19, 1946.

K W Y B

"Know What You Buy"

FOR PIECE GOODS OF SILK, WOOL, COTTON, RAYON, AND MIXTURES OF SILK AND RAYON.
Claims use since Jan. 2, 1946.

Ser. No. 498,892. FOREMAN FABRICS INC., New York, N. Y. Filed Mar. 25, 1946.

Jezebel

FOR PIECE GOODS OF RAYON YARNS.
Claims use since May 1942.

CLASS 43

THREAD AND YARN

Ser. No. 494,940. SOCIETE RHODIACETA, Paris, France. Filed Jan. 17, 1946.

RHOFIBRE

FOR THREAD AND YARN.
Claims use since May 21, 1943.

Ser. No. 497,913. B. B. YARN CO., New York, N. Y. Filed Mar. 9, 1946.



The drawing is lined to represent red color. No claim is made to the words "Snow White" apart from the mark shown on the drawing. The figures represented in the drawing are a fanciful representation of the story book characters, "Snow White and the Seven Dwarfs."
FOR WOOLEN YARNS.
Claims use since November 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 491,601. UNIVERSAL PRODUCTS CORPORATION, Norristown, Pa. Filed Nov. 14, 1945.

FINGALYTE

FOR PORTABLE ELECTRIC DIAGNOSTIC SETS FOR MEDICAL AND DENTAL INSPECTION, DIAGNOSIS AND TREATMENT OUTSIDE THE BODY AND IN CAVITIES THEREOF INCLUDING ELECTRIC LIGHTS, BATTERIES, WIRING AND MOUNTINGS THEREFOR, MIRRORS AND MIRROR MOUNTINGS, MOUNTINGS FOR MEDICAL AND DENTAL INSTRUMENTS AND TOOLS, AND LENSES AND INCLUDING EQUIPMENT FOR TRANSILLUMINATION, SOLD AS UNITS.
Claims use since January 1936.

Ser. No. 493,138. MICHIGAN PRODUCTS COMPANY, Mt. Clemens, Mich. Filed Dec. 12, 1945.

Nurse Maid

FOR NURSING BOTTLE HOLDERS.
Claims use since Nov. 6, 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 482,922. THE O. A. COOPER CO., Humboldt, Nebr. Filed May 3, 1945.

CRUNCHIES

FOR POULTRY FEEDS COMPOSED OF MASH, GRAIN, OR COMBINATIONS THEREOF.
Claims use since Jan. 1, 1945.

Ser. No. 483,860. LAND O'SUN DAIRIES, INC., Miami Beach, Fla. Filed May 28, 1945.

LAND O'SUN

FOR FRESH MILK AND ICE CREAM.
Claims use since Aug. 12, 1935.

Ser. No. 484,916. THE SOUTHERN COTTON OIL COMPANY, New Orleans, La. Filed June 22, 1945.

veltex

FOR SHORTENING COMPOUND MADE OF HARDENED VEGETABLE OILS.
Claims use since July 1910.

Ser. No. 485,191. CAAR CANNING COMPANY Redkey, Ind. Filed June 29, 1945.

REDKEY

Applicant is the owner of Reg. No. 343,042. The drawing is lined for red.
FOR CANNED TOMATOES, CANNED TOMATO PUREE, CANNED TOMATO JUICE, CANNED BEANS WITH PORK, AND CANNED PEAS.
Claims use since August 1917.

Ser. No. 486,572. ELOY RANCHES, INC., Eloy, Ariz. Filed Aug. 1, 1945.



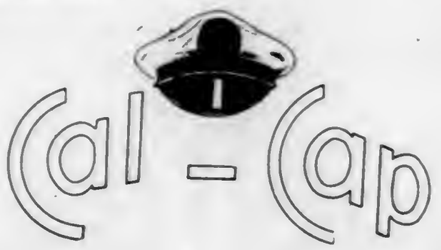
The picture of the man is that of A. J. Battaglia, of Eloy, Ariz., consent given.
FOR FRESH ASPARAGUS, FRESH BROCCOLI, FRESH CABBAGE, FRESH CARROTS, FRESH LETTUCE, AND FRESH POTATOES.
Claims use since Jan. 3, 1945.

Ser. No. 491,414. DON KURIHARA, Orosi, Calif. Filed Nov. 10, 1945.

Beauty Queen

FOR FRESH VEGETABLES.
Claims use since May 1, 1940.

Ser. No. 492,820. CAL-CAP FISHERIES, Wilmington, Calif. Filed Dec. 7, 1945.



No claim is made to the word "Cal" apart from the mark.
FOR CANNED FISH.
Claims use since Nov. 19, 1945.

Ser. No. 494,461. ST. LOUIS INDEPENDENT PACKING COMPANY, St. Louis, Mo. Filed Jan. 8, 1946.

MAYROSE

FOR BUTTER, CHEESE, EGGS, DRESSED POULTRY, SAUSAGE, CURED AND SMOKED PORK, CHILI CON CARNE, PORK FEET, TONGUE, MEAT LOAF, BOLOGNA, BACON, DAISY (A BONELESS, CURED, AND SMOKED PORK SHOULDER BUTT), AND LARD.
Claims use since Oct. 18, 1931.

Ser. No. 494,953. DENNIS A. CASEY, New Orleans, La. Filed Jan. 18, 1946.

DENNY DUNK

The term "Denny" is disclaimed apart from the mark.
FOR MEAT SANDWICHES.
Claims use since July 7, 1945.

Ser. No. 498,401. COLLEGE INN FOOD PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 18, 1946.



FOR CANNED CHILI BEANS IN TOMATO SAUCE, AND CHILI CON CARNE; ALSO CHILI DINNER.
Claims use since 1940.

Ser. No. 498,975. MAX AMS, INC., New York, N. Y. Filed Mar. 26, 1946.

AIRLINE

Applicant is the owner of Reg. Nos. 343,147, 392,090, 403,646, and 93,026.
FOR TEA.
Claims use since Mar. 2, 1946.

Ser. No. 501,129. HAWKSBILL CANNERY, Luray, Va. Filed Apr. 29, 1946.

HAWKSBILL



FOR CANNED FRUITS AND VEGETABLES, INCLUDING CANNED PEACHES, PE[illegible] BEANS, AND TOMATOES.
Claims use since July 1, 1914.

Ser. No. 501,130. HAWKSBILL CANNERY, Luray, Va. Filed Apr. 29, 1946.

HAWKSBILL

FOR CANNED FRUITS AND VEGETABLES, INCLUDING CANNED PEACHES, PEARS, BEANS, AND TOMATOES.
Claims use since July 1, 1914.

Ser. No. 501,136. MENTONE HEIGHTS ASSOCIATION, Mentone, Calif. Filed Apr. 29, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

ROLL CALL

FOR FRESH CITRUS FRUITS.
Claims use since Apr. 16, 1946.

Ser. No. 501,260. D. E. MYERS, doing business as Earle Myers Co., Oceano, Calif. Filed May 1, 1946.

CAN'T MISS

FOR FRESH VEGETABLES.
Claims use since November 1945.

Ser. No. 501,283. SANTA MARIA DISTRIBUTORS, Santa Maria, Calif. Filed May 1, 1946.

RAMPART

FOR FRESH VEGETABLES—NAMELY CAULIFLOWER.
Claims use since Apr. 22, 1946.

Ser. No. 501,411. SAN FERNANDO FRUIT GROWERS ASSOCIATION, San Fernando, Calif. Filed May 3, 1946.

BEACON

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 11, 1919.

Ser. No. 501,490. AMERICAN BREDDO CORP., New York, N. Y. Filed May 6, 1946.

MIRACULENE

FOR EMULSIFIER TO BE ADDED TO THE DOUGH FOR BAKED GOODS.
Claims use since Apr. 26, 1946.

Ser. No. 501,505. GRAIN MATERIALS, INC., Chicago, Ill. Filed May 6, 1946.

IDAGRITS

FOR DEHYDRATED GROUND POTATOES.
Claims use since Mar. 25, 1946.

Ser. No. 501,519. MENTONE HEIGHTS ASSOCIATION, Mentone, Calif. Filed May 6, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

GOLDZONE

FOR FRESH CITRUS FRUITS.
Claims use since Apr. 24, 1946.

Ser. No. 501,522. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 6, 1946.

ALFENTHAL

FOR STABILIZING AGENTS FOR USE IN FOODSTUFFS.
Claims use since Apr. 15, 1946.

Ser. No. 501,719. CRYSTAL PRODUCTS, INC., New York, N. Y. Filed May 9, 1946.

EDAMETTE

FOR PROCESSED CHEESE.
Claims use since Apr. 10, 1946.

Ser. No. 503,218. PILLSBURY MILLS, INC., Minneapolis, Minn. Filed June 3, 1946.

REY DEL NORTE

FOR WHEAT FLOUR.
Claims use since October 1924.

Ser. No. 503,219. PILLSBURY MILLS, INC., Minneapolis, Minn. Filed June 3, 1946.

ROI DU NORD

FOR WHEAT FLOUR.
Claims use since October 1926.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 497,058. AMCO ATHLETIC APPAREL CORPORATION, Brooklyn, N. Y. Filed Feb. 23, 1946.

AMCO

FOR ARTICLES MADE OF FELT AND CHENILLE—NAMELY, PENNANTS, INSIGNIAS, PROCESSED EMBLEMS, BANNERS, AND CUT-OUT LETTERS AND NUMERALS USED IN CONNECTION THEREWITH.
Claims use since Dec. 26, 1929.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 29, 1946

424,839. FIRE DOORS FOR BUILDINGS, METAL DOORS, METAL CONCRETE FORMS AND PENSTOCKS. HARRY DARBY, doing business as Harry Darby, Manufacturer, Kansas City, Kans.
Filed December 13, 1943. Serial No. 465,735. PUBLISHED AUGUST 6, 1946. Class 12.

424,840. DIAPHRAGM COMPRESSORS UTILIZED IN COMPRESSING AIR, AND FOR PARTS THEREOF. THE DEFIANCE ALLOYED PRODUCTS CO., Defiance, Ohio, now by change of name to Dapco Products, Inc.
Filed January 6, 1944. Serial No. 466,324. PUBLISHED AUGUST 13, 1946. Class 23.

424,841. BATTERY CABLES, FLASHLIGHTS, AUTOMOBILE FUSES, STORAGE BATTERIES, AND SPARK PLUGS. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed March 27, 1944. Serial No. 468,730. PUBLISHED JULY 23, 1946. Class 21.

424,842. WEARING APPAREL—NAMELY, MEN'S SHIRTS AND TROUSERS, OVERALLS OR ONE-PIECE SUITS, COATS, SWEATERS, JACKETS, AND CAPS. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed March 27, 1944. Serial No. 468,732. PUBLISHED AUGUST 13, 1946. Class 39.

424,843. POLISHING CLOTHS. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed March 27, 1944. Serial No. 468,735. PUBLISHED AUGUST 13, 1946. Class 42.

424,844. COOKIES. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va.
Filed April 5, 1944. Serial No. 469,066. PUBLISHED MAY 14, 1946. Class 46.

424,845. FLUSH VALVE BULBS. J. A. SEXAUER MFG. CO., INC., New York, N. Y.
Filed April 15, 1944. Serial No. 469,366. PUBLISHED AUGUST 6, 1946. Class 13.

424,846. LIVE MINK SOLD AS BREEDING STOCK. FLOYD R. MARSH, doing business as Marsh Fur Farm, Portland, Oreg.
Filed May 5, 1944. Serial No. 469,960. PUBLISHED AUGUST 13, 1946. Class 1.

424,847. GOLF BALLS, GOLF BAGS, AND WRIST BAND GRIPS USED WITH GOLF CLUBS. ANTHONY J. WYMAN, Orange, N. J.
Filed May 16, 1944. Serial No. 470,325. PUBLISHED AUGUST 13, 1946. Class 22.

424,848. CRUSHERS, SCREENERS, CONVEYORS, MECHANICAL FEEDERS, WASHERS, SAND TANKS, HAMMER MILLS; PLANTS FOR CRUSHING, SCREENING AND CONVEYING AGGREGATE, ETC. UNIVERSAL ENGINEERING CORPORATION, Cedar Rapids, Iowa.
Filed May 17, 1944. Serial No. 470,360. PUBLISHED AUGUST 6, 1946. Class 23.

424,849. FIREPROOF AND NON-SMOKE PRODUCING HIGH STRENGTH HYDRAULIC CEMENT COMPOSITION FOR USE PARTICULARLY IN THE MARINE FIELD. KOMPOLITE CO., INC., Brooklyn N. Y.
Filed July 19, 1944. Serial No. 472,390. PUBLISHED AUGUST 6, 1946. Class 12.

424,850. MEN'S AND BOYS' OUTER SHIRTS AND PAJAMAS. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed August 15, 1944. Serial No. 473,291. PUBLISHED MARCH 20, 1945. Class 39.

424,851. HOSIERY. PENN HOSIERY MILLS, INC., Reading, Pa.
Filed August 23, 1944. Serial No. 473,545. PUBLISHED DECEMBER 12, 1944. Class 39.

424,852. FAMILY AND MANUFACTURING SEWING MACHINES, THEIR PARTS AND ATTACHMENTS, AND SEWING MACHINE STANDS. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J.
Filed August 23, 1944. Serial No. 473,547. PUBLISHED AUGUST 6, 1946. Class 23.

424,853. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed October 3, 1944. Serial No. 474,853. PUBLISHED AUGUST 6, 1946. Class 39.

424,854. SOYA BEAN SAUCE. SHIMPEI NAGAO, doing business as Soya Bean Products Company, Garland, Utah.
Filed October 17, 1944. Serial No. 475,896. PUBLISHED AUGUST 6, 1946. Class 46.

424,855. CANDY. WILLARD B. CASTERLINE, doing business as Dr. Quack Candy Co., Chicago, Ill.
Filed November 7, 1944. Serial No. 476,197. PUBLISHED AUGUST 6, 1946. Class 46.

424,856. UNITARY APPARATUS COMBINING ELECTRIC MOTORS, PUMPS, PIPING, VALVES, SPRAY CHAMBERS, ETC. BUCKEYE LABORATORIES CORPORATION, Cleveland, Ohio.
Filed November 20, 1944. Serial No. 476,658. PUBLISHED JULY 23, 1946. Class 23.

424,857. ELECTRICAL APPLIANCES AND PARTS THEREOF—NAMELY, SUPPORTS OF THE HEATING ELEMENTS IN ELECTRIC FURNACES; ELECTRODES FOR IGNITION APPARATUS IN OIL FIRED BURNERS; AND CONTAINERS—I. E., BOATS SUITABLE FOR INSERTION IN ELECTRIC TUBULAR FURNACES AND FOR USE IN CONNECTION THEREWITH. FOLLSAIN METALS LTD., Lutterworth, near Rugby, England.
Filed December 15, 1944. Serial No. 477,604. PUBLISHED AUGUST 6, 1946. Class 21.

424,858. ASPHALT ROOFING PAPER. WINDSOR-LLOYD PRODUCTS, INC., Philadelphia, Pa.
Filed December 18, 1944. Serial No. 477,727. PUBLISHED AUGUST 6, 1946. Class 12.

424,859. HAIR NETS. WILLIAM D. VOGEL, doing business as American Lady Specialties Mfg. Co., St. Louis, Mo.
Filed December 26, 1944. Serial No. 477,959. PUBLISHED APRIL 24, 1945. Class 39.

424,860. COMBINATION HYDRAULIC TORQUE CONVERTERS AND FLUID COUPLINGS. FULLER MANUFACTURING CO., Kalamazoo, Mich.
Filed January 20, 1945. Serial No. 478,811. PUBLISHED JULY 23, 1946. Class 23.

424,861. PIECE GOODS OF COTTON, RAYON AND/OR SILK, OR COMBINATIONS THEREOF. COHN-HALL-MARX CO., New York, N. Y.
Filed January 26, 1945. Serial No. 479,030. PUBLISHED JUNE 19, 1945. Class 42.

424,862. INDUSTRIAL FLOOR COMPOSITION—NAMELY, ASPHALT AND ASPHALT CEMENT; CONCRETE, TILE, BRICK AND WOOD FLOOR PATCH COMPOUNDS; BINDERS FOR MASTIC FLOOR COMPOUNDS; PRIMERS FOR BITUMINOUS FLOOR COMPOUNDS AND PRIMER THINNERS USED WITH BITUMINOUS FLOOR COMPOUNDS; AND BITUMINOUS COVERINGS FOR DECKS. THE GELLIN CO. Cleveland, Ohio.
Filed February 10, 1945. Serial No. 479,672. PUBLISHED AUGUST 6, 1946. Class 12.

424,863. ELECTRICAL RELAYS. PAUL HENRY, doing business as Raltronics, Ltd., Los Angeles, Calif.
Filed February 16, 1945. Serial No. 479,874. PUBLISHED AUGUST 6, 1946. Class 21.

424,864. CAN MAKING MACHINES. CONTINENTAL CAN COMPANY, INC., New York, N. Y.
Filed February 24, 1945. Serial No. 480,164. PUBLISHED AUGUST 13, 1946. Class 23.

424,865. RADIO EQUIPMENT—NAMELY, TRANSMITTERS, EXCITERS, RECEIVERS, AMPLIFIERS, ANTENNAS, AUDIO AMPLIFIERS, AND AUDIO OSCILLATORS. ERCO RADIO LABORATORIES, INC., Hempstead, N. Y.
Filed February 27, 1945. Serial No. 480,283. PUBLISHED JULY 23, 1946. Class 21.

424,866. ELECTRIC TOOLS—NAMELY, DRILLS, PORTABLE GRINDERS, UNITARY BENCH GRINDERS, PORTABLE SAWS, SHAPERS, PAINT SPRAYING UNITS; PORTABLE ELECTRIC FANS; STORAGE BATTERIES, DRY CELL BATTERIES, ETC. OAKES & COMPANY, doing business as Tru-Test, Chicago, Ill.
Filed March 7, 1945. Serial No. 480,614. PUBLISHED AUGUST 6, 1946. Class 21.

424,867. PIECE GOODS OF RAYON FIBRES, COTTON, WOOL, OR SILK, AND OF MIXTURES THEREOF. VERNEY FABRICS CORPORATION, New York, N. Y.
Filed March 12, 1945. Serial No. 480,848. PUBLISHED AUGUST 13, 1946. Class 42.

424,868. PIECE GOODS OF RAYON FIBRES, COTTON, WOOL, OR SILK, AND MIXTURES THEREOF. VERNEY FABRICS CORPORATION, New York, N. Y.
Filed March 12, 1945. Serial No. 480,850. PUBLISHED AUGUST 13, 1946. Class 42.

424,869. CLOTHING—NAMELY, SUITS AND COATS FOR JUNIORS, BOYS, AND YOUNG MEN. LEVINSOHN BROS. CO. INC., New York, N. Y.
Filed April 14, 1945. Serial No. 482,168. PUBLISHED AUGUST 13, 1946. Class 39.

424,870. METAL WORKING MACHINERY AND PARTS THEREOF—NAMELY, MILLING MACHINES, LATHES, COLLET CHUCKS, SURFACE GRINDERS, SHAPERS, VISES, ARBORS, DIVIDING HEADS, VERTICAL ATTACHMENTS, ROTARY TABLES, HEAT EXCHANGERS FOR USE IN CONJUNCTION WITH METAL WORKING MACHINERY, AND HYDRAULICALLY OPERATED POWER UNITS FOR USE WITH METAL WORKING MACHINERY. AIRCRAFT MACHINERY CORPORATION, Burbank, Calif.
Filed April 16, 1945. Serial No. 482,191. PUBLISHED JULY 23, 1946. Class 23.

424,871. SOCKET WRENCHES; BOX WRENCHES; OPEN END WRENCHES; RATCHET WRENCHES; SCREW DRIVING WRENCHES; TORQUE INDICATING WRENCHES; TIRE RIM WRENCHES; UNIVERSAL JOINT WRENCHES; PLIERS; HYDRAULIC JACKS; HYDRAULIC RAMS; HYDRAULIC PUMPS; SWIVEL JOINTS, PORTABLE SERVICE JACKS; HYDRAULIC LIFTS, ETC. BLACKHAWK MFG. CO., Milwaukee, Wis.
Filed April 23, 1945. Serial No. 482,457. PUBLISHED JULY 23, 1946. Class 23.

424,872. FRENUM GUIDES, CIRCUMCISION CLAMPS, SURGICAL SCISSORS, TONSILOTOMES, AND SPECULUMS. JOHN A. FREEL, doing business as Michigan Specialty and Manufacturing Co., Bay City, Mich.
Filed April 23, 1945. Serial No. 482,484. PUBLISHED AUGUST 13, 1946. Class 44.

424,873. LEATHER SHOE SOLES. K. HANFLING & SON, Chicago, Ill.
Filed April 23, 1945. Serial No. 482,487. PUBLISHED AUGUST 13, 1946. Class 39.

424,874. CANDY. JOHN E. HAYNES, doing business as Texarkana Candy Company, Texarkana, Tex.
Filed April 26, 1945. Serial No. 482,626. PUBLISHED AUGUST 13, 1946. Class 46.

424,875. ELECTRIC ARC FURNACES. WHITING CORPORATION, Harvey, Ill.
Filed April 30, 1945. Serial No. 482,826. PUBLISHED JULY 23, 1946. Class 21.

424,876. FABRICS OF COTTON. ALBERT H. VANDAM CO., INC., New York, N. Y.
Filed May 1, 1945. Serial No. 482,860. PUBLISHED MARCH 12, 1946. Class 42.

424,877. LAWN MOWERS. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn.
Filed May 4, 1945. Serial No. 482,962. PUBLISHED JULY 23, 1946. Class 23.

424,878. LAWN MOWERS. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn.
Filed May 4, 1945. Serial No. 482,965. PUBLISHED JULY 23, 1946. Class 23.

424,879. WRENCHES AND PLIERS. BARCALO MANUFACTURING COMPANY, Buffalo, N. Y.
Filed May 4, 1945. Serial No. 482,969. PUBLISHED JANUARY 15, 1946. Class 23.

424,880. CEMENTITIOUS AND MOLDABLE REFRACTORY PREPARATIONS SUITABLE FOR FURNACE LINING AND REPAIRING. BASIC REFRACTORIES, INC., Cleveland, Ohio.
Filed May 21, 1945. Serial No. 483,604. PUBLISHED AUGUST 13, 1946. Class 12.

424,881. ELECTROCARDIOGRAPHS. ELECTRO-PHYSICAL LABORATORIES, INC., New York, N. Y.
Filed May 25, 1945. Serial No. 483,767. PUBLISHED AUGUST 13, 1946. Class 44.

424,882. DIFFUSER TYPE VENTILATING UNITS PROVIDED WITH LIGHT FIXTURES. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y.
Filed May 29, 1945. Serial No. 483,886. PUBLISHED AUGUST 13, 1946. Class 34.

424,883. DIFFUSER TYPE VENTILATING UNITS PROVIDED WITH LIGHT FIXTURES. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y.
Filed May 29, 1945. Serial No. 483,887. PUBLISHED AUGUST 13, 1946. Class 34.

424,884. PORTABLE DUST COLLECTORS CONSISTING OF A FLEXIBLE HOSE CONNECTIBLE TO ANY SOURCE OF DUST GENERATION AND LEADING THROUGH A FILTER TO A SUCTION BLOWER CONNECTED TO A REMOVABLE DUST COLLECTING CONTAINER, ALL MOUNTED WITHIN AN ENCLOSING CASING SUPPORTED ON CASTERS FOR MOVEMENT TO THE LOCATION TO BE CLEANED. THE J. S. CLARK COMPANY, Detroit, Mich.
Filed May 30, 1945. Serial No. 483,960. PUBLISHED AUGUST 6, 1946. Class 23.

424,885. PULL TOYS HAVING A PLURALITY OF REMOVABLE COLORED PEGS HAVING PRINTED OR STAMPED THEREON COMIC CHARACTERS. HOBBY HILL, Chicago, Ill.
Filed May 31, 1945. Serial No. 484,022. PUBLISHED AUGUST 13, 1946. Class 22.

424,886. TOYS IN THE FORM OF ANIMALS HAVING JACK-IN-THE-BOX FEATURES IN THE BODIES THEREOF AND THE HEADS OF WHICH ARE MOVABLE IN VARIOUS DIRECTIONS. HOBBY HILL, Chicago, Ill.
Filed May 31, 1945. Serial No. 484,024. PUBLISHED AUGUST 13, 1946. Class 22.

424,887. TOYS IN THE FORM OF ANIMALS HAVING JACK-IN-THE-BOX FEATURES IN THE BODIES THEREOF AND THE HEADS OF WHICH ARE MOVABLE IN VARIOUS DIRECTIONS. HOBBY HILL, Chicago, Ill.
Filed May 31, 1945. Serial No. 484,025. PUBLISHED AUGUST 6, 1946. Class 22.

424,888. POWER TRANSMISSION AND CONVEYOR BELTS. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio.
Filed June 4, 1945. Serial No. 484,120. PUBLISHED AUGUST 13, 1946. Class 35.

424,889. BOND PAPER. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y.
Filed June 7, 1945. Serial No. 484,286. PUBLISHED AUGUST 13, 1946. Class 37.

424,890. MEN'S AND YOUNG MEN'S SUITS, TOPCOATS, AND OVERCOATS. L. J. SAMUELS & CO., INC., Boston, Mass.
Filed June 11, 1945. Serial No. 484,428. PUBLISHED AUGUST 13, 1946. Class 39.

424,891. NECKTIES. HOLLYVOGUE TIES, Los Angeles, Calif.
Filed June 15, 1945. Serial No. 484,570. PUBLISHED JULY 16, 1946. Class 39.

424,892. PULSATORS FOR MILKING MACHINES. RITE-WAY PRODUCTS COMPANY, Chicago, Ill.
Filed June 18, 1945. Serial No. 484,703. PUBLISHED AUGUST 13, 1946. Class 23.

424,893. FRESH CITRUS FRUITS AND FRESH VEGETABLES. THE ENGELMAN GARDENS ASSOCIATION, Elsa, Tex.
Filed June 19, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 484,736. PUBLISHED AUGUST 13, 1946. Class 46.

424,894. FIXED FIRE DETECTING AND EXTINGUISHING APPARATUS COMPRISING A SET OF CONDUITS LEADING FROM PROTECTED COMPARTMENTS OR SPACES TO A CENTRALLY LOCATED TERMINAL CABINET, ETC. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J.
Filed June 30, 1945. Serial No. 485,298. PUBLISHED JULY 23, 1946. Class 23.

424,895. DISHWASHING MACHINES. EDWARD P. O'HALLORAN, doing business as Holleran Metal Products, Detroit, Mich.
Filed July 13, 1945. Serial No. 485,791. PUBLISHED JULY 23, 1946. Class 23.

424,896. LIVING ROOM, DINING ROOM, AND BEDROOM FURNITURE—NAMELY, SOFAS, LOVE SEATS, CHAIRS—NAMELY, CLUB CHAIRS, ETC. LEONARDO FURNITURE CO. INCORPORATED, New York, N. Y.
Filed July 17, 1945. Serial No. 485,916. PUBLISHED AUGUST 13, 1946. Class 32.

424,897. SMOKED DRIED BONELESS FISH. ALEXANDER ALOFF, doing business as Chicago Packing Company, Chicago, Ill.
Filed August 4, 1945. Serial No. 486,709. PUBLISHED AUGUST 13, 1946. Class 46.

424,898. TRUNKS, PORTMANTEAUS, TRAVELING CASES, SUIT CASES, HANDBAGS, SHOPPING BAGS MADE OF CLOTH AND LEATHER, MUSIC CASES, DISPATCH CASES, KNAPSACKS, PORTFOLIOS, AND POCKET-BOOKS. J. B. BROOKS & CO. LTD., Birmingham, England.
Filed August 8, 1945. Serial No. 486,885. PUBLISHED AUGUST 13, 1946. Class 3.

424,899. METAL WORKING AND FORMING DIES, MOLDING DIES FOR MOLDING POWDERED METAL, AND CUTTING TOOLS FOR TURNING, MILLING, DRILLING, BORING, THREADING, AND PLANING MACHINES AND PARTS OF SUCH TOOLS. THE DOALL COMPANY, Des Plaines, Ill., assignor to The DoAll Company, Des Plaines, Ill., a corporation of Illinois.
Filed August 17, 1945. Serial No. 487,178. PUBLISHED AUGUST 13, 1946. Class 23.

424,900. SHOE HEELS. PERELES BROS. INC., Milwaukee, Wis.
Filed August 22, 1945. Serial No. 487,436. PUBLISHED AUGUST 6, 1946. Class 39.

424,901. FABRICS IN THE PIECE CONSISTING OF WOOL, SILK, COTTON AND RAYON AND NYLON AND MIXTURES THEREOF. WULLSCHLEGER & CO., New York, N. Y.
Filed August 22, 1945. Serial No. 487,453. PUBLISHED AUGUST 13, 1946. Class 42.

424,902. TIMERS, STARTERS, AND VOLTAGE LIMITERS UTILIZED IN CONNECTION WITH X-RAY APPARATUS. PICKER X-RAY CORPORATION, WAITE MANUFACTURING DIVISION, INC., Cleveland, Ohio.
Filed August 24, 1945. Serial No. 487,522. PUBLISHED AUGUST 6, 1946. Class 21.

424,903. ELECTRIC OZONE GENERATORS AND APPARATUS FOR TREATING FLUIDS WITH OZONE. AUTOMATIC PUMP & SOFTENER CORPORATION, Rockford, Ill.
Filed August 30, 1945. Serial No. 487,758. PUBLISHED JULY 23, 1946. Class 21.

424,904. SYNTHETIC RUBBER COATED COTTON TEXTILE FABRICS IN THE PIECE. BELGRADE FABRICS, INC., New York, N. Y.
Filed August 31, 1945. Serial No. 487,819. PUBLISHED AUGUST 6, 1946. Class 42.

424,905. MATERIAL USED AS A FILLER IN PLASTICS, AND IN THE MANUFACTURE OF WELDING RODS USED IN ARC-WELDING, AS A BODY FORMING MATERIAL FOR THE COMPOUND IN WHICH THE STEEL ROD IS ENCASED, AND AS A SIMPLE MOLDING MATERIAL MIXED WITH SAWDUST OR OTHER MATERIAL IN THE MOLDING OF DOLLS OR MECHANICAL UNITS AS DRAWER FRONTS, REFRIGERATOR DOORS, ETC. PUGET SOUND PULP & TIMBER CO., Bellingham, Wash.
Filed September 1, 1945. Serial No. 487,915. PUBLISHED AUGUST 13, 1946. Class 1.

424,906. CIGARS, CIGARETTES, PIPE AND CHEWING TOBACCO. REVOC, INC., New York, N. Y.
Filed September 12, 1945. Serial No. 488,371. PUBLISHED AUGUST 13, 1946. Class 17.

424,907. TAMPONS, SANITARY PADS, AND SANITARY NAPKINS. REVOC, INC., New York, N. Y.
Filed September 12, 1945. Serial No. 488,376. PUBLISHED AUGUST 13, 1946. Class 44.

424,908. GLASS, PLASTIC, COMBINATIONS OF GLASS AND METAL AND PLASTIC AND METAL GLOBES AND REFLECTORS. HOLOPHANE COMPANY, INC., New York, N. Y.
Filed September 15, 1945. Serial No. 488,525. PUBLISHED AUGUST 6, 1946. Class 34.

424,909. ELECTRIC SPEAKER UNITS. BARON HARTSOUGH, Los Angeles, Calif.
Filed September 19, 1945. Serial No. 488,691. PUBLISHED AUGUST 6, 1946. Class 21.

424,910. WELDING BACKING RINGS. ROBERT H. VON AHRENS, doing business as The Robvon Backing Ring and Fabricating Company, Denver, Colo.
Filed September 21, 1945. Serial No. 488,839. PUBLISHED AUGUST 13, 1946. Class 13.

424,911. GARMENTS FOR LADIES, MISSES, AND CHILDREN—NAMELY, CORSET COVERS, NIGHTSHIRTS, NIGHTGOWNS, ETC. RUEDA & Co., Buenos Aires, Argentina.
Filed September 26, 1945. Serial No. 489,015. PUBLISHED JULY 16, 1946. Class 39.

424,912. PORTABLE POWER DRIVEN BELT CONVEYING APPARATUS. COALTOTER CONVEYER CO., Chicago, Ill.
Filed September 28, 1945. Serial No. 489,102. PUBLISHED AUGUST 6, 1946. Class 23.

424,913. JOURNAL BEARINGS. NATIONAL LEAD COMPANY, New York, N. Y.
Filed September 28, 1945. Serial No. 489,139. PUBLISHED JULY 23, 1946. Class 23.

424,914. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. JOSEPH M. KATZ, Pittsburgh, Pa.
Filed September 29, 1945. Serial No. 489,179. PUBLISHED AUGUST 13, 1946. Class 37.

424,915. CANNED FISH BAIT. JAMES G. MANNING, doing business as The Fishburger Company, Gardner, Kans.
Filed October 1, 1945. Serial No. 489,228. PUBLISHED AUGUST 13, 1946. Class 22.

424,916. METAL SIGNALS FOR RURAL MAIL BOXES. WILLIAM W. MCKINNEY, doing business as Telstop Manufacturing Co., Mount Healthy, Ohio.
Filed October 3, 1945. Serial No. 489,335. PUBLISHED AUGUST 13, 1946. Class 2.

424,917. FIREPLACE FIXTURE OR FRONT CONSISTING OF A METAL AND GLASS SCREEN FOR RADIATING HEAT. MERRYWEATHER PRODUCTS COMPANY, Akron, Ohio.
Filed October 3, 1945. Serial No. 489,339. PUBLISHED AUGUST 6, 1946. Class 34.

424,918. POWER DRIVEN, ENDLESS CHAIN CONVEYOR DOUGHNUT COOLERS. JOE LOWE CORPORATION, New York, N. Y.
Filed October 9, 1945. Serial No. 489,670. PUBLISHED AUGUST 13, 1946. Class 23.

424,919. ELECTRIC COOKING RANGES AND DEEP WELL COOKERS. GIBSON REFRIGERATOR COMPANY, Greenville, Mich.
Filed October 10, 1945. Serial No. 489,734. PUBLISHED AUGUST 13, 1946. Class 21.

424,920. COSTUME BAGS, GARMENT BAGS, LINGERIE BAGS, BLANKET BAGS, AND FOOD STORAGE BAGS. PLASTRON, INC., New York, N. Y.
Filed October 15, 1945. Serial No. 489,981. PUBLISHED AUGUST 13, 1946. Class 2.

424,921. CEREAL BREAKFAST FOODS AND POPCORN IN ITS NATURAL STATE. R. F. WILLEY, doing business as Georgie Porgie Company, Council Bluffs, Iowa.
Filed October 15, 1945. Serial No. 490,000. PUBLISHED AUGUST 6, 1946. Class 46.

424,922. SURGICAL DRESSINGS, SURGICAL FORCEPS, SURGICAL BANDAGES, AND SURGICAL SCISSORS. AMERICAN MEDICAL INSTRUMENT COMPANY, New York, N. Y.
Filed October 17, 1945. Serial No. 490,050. PUBLISHED AUGUST 13, 1946. Class 44.

424,923. LEATHER SHOES AND SLIPPERS. ARMAND GAGNON, Montreal, Quebec, Canada.
Filed October 18, 1945. Serial No. 490,113. PUBLISHED AUGUST 6, 1946. Class 39.

424,924. BRASSIÈRES. JOE BONOMO, doing business as Bra-Zooms Company, New York, N. Y.
Filed October 20, 1945. Serial No. 490,227. PUBLISHED JULY 16, 1946. Class 39.

424,925. TIRE REPAIR MATERIALS—NAMELY, CAMEL BACK, PNEUMATIC TIRE TREAD GUM, AND VULCANIZING PATCHES. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed October 20, 1945. Serial No. 490,241. PUBLISHED AUGUST 13, 1946. Class 35.

424,926. SYNTHETIC RUBBER MATERIAL FOR RETREADING TIRES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed October 22, 1945. Serial No. 490,345. PUBLISHED AUGUST 13, 1946. Class 35.

424,927. DUPLICATING SUPPLIES—NAMELY, STENCILS, CORRECTION FLUIDS, AND STYLI. AMERICAN STENCIL MFG. CO., Denver, Colo.
Filed October 29, 1945. Serial No. 490,620. PUBLISHED AUGUST 13, 1946. Class 37.

424,928. ELECTRO-THERAPY MACHINES. W. G. BROWN, doing business as Vigoray Ozone Generator Company, Seattle, Wash.
Filed October 29, 1945. Serial No. 490,633. PUBLISHED AUGUST 13, 1946. Class 44.

424,929. UNFILLED VANITY CASES, UNFILLED COMPACTS, AND UNFILLED LIPSTICK HOLDERS MADE OF BASE METALS, LEATHER, AND PLASTIC MATERIALS. GOLDEN ARROW TOILETRIES, New York, N. Y.
Filed October 31, 1945. Serial No. 490,809. PUBLISHED AUGUST 13, 1946. Class 2.

424,930. WATERPROOF BAGS OF FABRIC WITH LINERS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed November 2, 1945. Serial No. 490,920. PUBLISHED AUGUST 13, 1946. Class 2.

424,931. SPRING MOUNTED FOOT DEVICES USED FOR EXERCISE AND AS A TOY. JOHN R. CRISSMAN, Detroit, Mich.
Filed November 2, 1945. Serial No. 490,932. PUBLISHED AUGUST 13, 1946. Class 22.

424,932. TENNIS RACKETS. SPORT PRODUCTS INC., Cincinnati, Ohio.
Filed November 3, 1945. Serial No. 491,033. PUBLISHED AUGUST 6, 1946. Class 22.

424,933. FABRIC BAGS AND SACKS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed November 5, 1945. Serial No. 491,056. PUBLISHED AUGUST 13, 1946. Class 2.

424,934. SECTIONAL DIVANS. FURNITURE DEVELOPMENTS CO., Los Angeles, Calif.
Filed November 5, 1945. Serial No. 491,084. PUBLISHED AUGUST 13, 1946. Class 32.

424,935. LEATHER SHOES FOR WOMEN. PORTLAND FOOTWEAR CO., Portland, Maine.
Filed November 5, 1945. Serial No. 491,118. PUBLISHED AUGUST 6, 1946. Class 39.

424,936. BED BOLSTERS. MORRIS LIPPS, doing business as Greater New York Bedding Company, Brooklyn, N. Y.
Filed November 6, 1945. Serial No. 491,165. PUBLISHED AUGUST 6, 1946. Class 32.

424,937. CHILDREN'S GARMENTS—NAMELY, OVERALLS, COVERALLS, SHORTS, SUNSUITS, SHIRTS, BLOUSES, WASH SUITS, ETC. E. R. MOORE COMPANY, Chicago, Ill.
Filed November 7, 1945. Serial No. 491,211. PUBLISHED AUGUST 13, 1946. Class 39.

424,938. SCREEN DOORS AND SCREEN WINDOWS. NATIONAL SCREEN DOOR COMPANY, Montgomery, Ala.
Filed November 13, 1945. Serial No. 491,497. PUBLISHED AUGUST 13, 1946. Class 12.

424,939. MATTRESSES AND MATTRESS SPRING UNITS. SPRING-AIR COMPANY, Holland, Mich.
Filed November 14, 1945. Serial No. 491,592. PUBLISHED AUGUST 13, 1946. Class 32.

424,940. ELECTRICAL CAPACITORS. PYRAMID ELECTRIC COMPANY, Jersey City, N. J.
Filed November 17, 1945. Serial No. 491,773. PUBLISHED JULY 23, 1946. Class 21.

424,941. PREFABRICATED DUCT SECTIONS FOR USE IN HEATING, VENTILATING, AND AIR-CONDITIONING APPARATUS, MADE FROM A GLASS FIBER MATERIAL IMPREGNATED WITH RUBBER OR A RUBBER-LIKE SUBSTANCE. ARROWHEAD RUBBER COMPANY, Vernon, Calif.
Filed November 19, 1945. Serial No. 491,794. PUBLISHED AUGUST 13, 1946. Class 34.

424,942. CRAVATS, NECKTIES, SPORT SHIRTS, SPORT COATS, SPORT JACKETS, UNDERWEAR, PAJAMAS, HANDKERCHIEFS, AND SOCKS. MURRAY RASPLER, New York, N. Y.
Filed November 29, 1945. Serial No. 492,396. PUBLISHED AUGUST 13, 1946. Class 39.

424,943. ELECTRICAL FIRE ALARM APPARATUS. HAROLD P. RIORDAN, Dallas, Tex.
Filed December 8, 1945. Serial No. 492,955. PUBLISHED AUGUST 13, 1946. Class 21.

424,944. COAL. HOLMES-DARST COAL CORPORATION, Knoxville, Tenn.
Filed December 10, 1945. Serial No. 493,005. PUBLISHED AUGUST 13, 1946. Class 1.

424,945. HAT SIZE REDUCER IN THE NATURE OF A STRIP OF FLEXIBLE MATERIAL FOR INSERTION INSIDE A SWEAT BAND. IRVING B. MILLER, doing business as Ace-Hi Hat Reducer Mfg. Co., Chicago, Ill.
Filed December 10, 1945. Serial No. 493,017. PUBLISHED AUGUST 6, 1946. Class 39.

424,946. TOOTHBRUSH BRISTLES. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed December 12, 1945. Serial No. 493,125. PUBLISHED AUGUST 6, 1946. Class 1.

424,947. RIBBONS SOLD BY THE SPOOL. UNIVERSAL RIBBON COMPANY, New York, N. Y.
Filed December 12, 1945. Serial No. 493,156. PUBLISHED AUGUST 13, 1946. Class 42.

424,948. YELLOW VARNISHED CAMBRIC TAPE, USED FOR ELECTRICAL INSULATION PURPOSES. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J.
Filed December 13, 1945. Serial No. 493,193. PUBLISHED JULY 23, 1946. Class 21.

424,949. PIPE AND CIGARETTE TOBACCO, CIGARETTES, AND CIGARS. PIEZO MANUFACTURING CORPORATION, New York, N. Y.
Filed December 13, 1945. Serial No. 493,212. PUBLISHED AUGUST 6, 1946. Class 17.

424,950. METALLIC TUB FILLERS AND VALVES FOR USE IN CONNECTION WITH CONVENTIONAL BATHTUBS, SINKS, LAVATORIES, AND THE LIKE. GLOBE VALVE CORPORATION, Delphi, Ind.
Filed December 15, 1945. Serial No. 493,347. PUBLISHED AUGUST 13, 1946. Class 13.

424,951. FILTERMASS. THE CELLULO COMPANY, Sandusky, Ohio.
Filed March 18, 1946. Serial No. 498,395. PUBLISHED AUGUST 6, 1946. Class 31.

424,952. SHOES AND BOOTS MADE OF LEATHER, FABRIC, RUBBER OR PLASTICS OR COMBINATIONS OF SAID MATERIALS. MONCEY PRODUCTS CORP., Chicago, Ill.
Filed December 17, 1945. Serial No, 493,447. PUBLISHED AUGUST 6, 1946. Class 39.

424,953. CHILDREN'S SUITS, DRESSES, PLAYSUITS, BLOUSES, SUN SUITS, AND ROMPERS. COGSWELL COMPANY, New York, N. Y.
Filed December 21, 1945. Serial No. 493,658. PUBLISHED AUGUST 6, 1946. Class 39.

424,954. AERATORS ATTACHED TO WATER FAUCETS. THE CHICAGO FAUCET COMPANY, Chicago, Ill.
Filed December 22, 1945. Serial No. 493,743. PUBLISHED AUGUST 13, 1946. Class 13.

424,955. FISHING LINES. RAIN-BEAU PRODUCTS COMPANY, Canton, Mass.
Filed December 22, 1945. Serial No. 493,822. PUBLISHED AUGUST 6, 1946. Class 22.

424,956. CANNED FRUITS AND VEGETABLES, CANNED FISH, CANNED SOUP, FRUIT PRESERVES, COFFEE, SPICES, MINCE MEAT, PICKLES, OLIVES, SALAD DRESSING, VINEGAR, TABLE SYRUP, SALT, CATSUP, BREAKFAST CEREALS, MUSTARD, AND PEANUT BUTTER. THE MIDLAND GROCERY COMPANY, Columbus, Ohio.
Filed December 26, 1945. Serial No. 493,890. PUBLISHED AUGUST 6, 1946. Class 46.

424,957. DEVICE USED FOR THE COLLECTION OF BLOOD SPECIMENS. BECTON, DICKINSON & COMPANY, Rutherford, N. J.
Filed December 28, 1945. Serial No. 493,946. PUBLISHED AUGUST 13, 1946. Class 44.

424,958. MARINE RADIO TELEPHONE UNITS AND PARTS THEREOF. HUDSON AMERICAN CORPORATION, New York, N. Y.
Filed December 28, 1945. Serial No. 493,963. PUBLISHED AUGUST 13, 1946. Class 21.

424,959. MARINE RADIO TELEPHONE UNITS AND PARTS THEREOF. HUDSON AMERICAN CORPORATION, New York, N. Y.
Filed December 28, 1945. Serial No. 493,964. PUBLISHED AUGUST 13, 1946. Class 21.

424,960. MARINE RADIO TELEPHONE UNITS AND PARTS THEREOF. HUDSON AMERICAN CORPORATION, New York, N. Y.
Filed December 28, 1945. Serial No. 493,965. PUBLISHED AUGUST 13, 1946. Class 21.

424,961. CIGAR, CIGARETTE, AND PIPE LIGHTERS OF THE CATALYTIC TYPE, AND PARTS FOR CIGAR, CIGARETTE, AND PIPE LIGHTERS. LEKTROLITE CORPORATION, New York, N. Y.
Filed December 29, 1945. Serial No. 494,086. PUBLISHED AUGUST 6, 1946. Class 34.

424,962. ELECTRIC HIGH FREQUENCY INDUCTION VENDING MACHINE FOR COOKING AND DISPENSING OF FOODS. RADIO CHEF, INC., Chicago, Ill.
Filed December 29, 1945. Serial No. 494,121. PUBLISHED JULY 23, 1946. Class 23.

424,963. HIGH VACUUM ELECTRONIC TUBES. BROWN, BOVERI & CIE, Baden, Switzerland.
Filed January 3, 1946. Serial No. 494,209. PUBLISHED JULY 23, 1946. Class 21.

424,964. HIGH VACUUM ELECTRONIC TUBES. BROWN, BOVERI & CIE., Baden, Switzerland.
Filed January 3, 1946. Serial No. 494,210. PUBLISHED JULY 23, 1946. Class 21.

424,965. CLOTHES LINE SUPPORTS, CLOTHES LINE TIGHTENERS, AND CLOTHES LINE PULLEYS, SOLD AS A UNIT; AND PLUMBING TRAPS. BIC MANUFACTURING CORPORATION, New York, N. Y.
Filed January 5, 1946. Serial No. 494,300. PUBLISHED AUGUST 6, 1946. Class 13.

424,966. LAMINATED INDUSTRIAL BOARDS AND WALLBOARDS MADE OF WOOD FIBRE AND/OR PAPER. CORNELL WOOD PRODUCTS COMPANY, Milwaukee, Wis.
Filed January 5, 1946. Serial No. 494,312. PUBLISHED AUGUST 13, 1946. Class 12.

424,967. GASOLINE-ENGINE-DRIVEN BLOWER UNITS FOR SUPPLYING AND EXHAUSTING AIR AND GASES AND FOR GENERAL VENTILATING PURPOSES, INCLUDING MANHOLES, GAS CONTAINERS, ETC., AND MANHOLE HEATERS UTILIZING LIQUID FUEL. HOMELITE CORPORATION, East Port Chester, Conn.
Filed January 5, 1946. Serial No. 494,324. PUBLISHED AUGUST 6, 1946. Class 34.

424,968. LEATHER AND RUBBER SHOES MADE FROM VARIOUS COMBINATIONS OF LEATHER AND RUBBER. TITAN SAFETY SHOE CO., Spencer, Mass.
Filed January 7, 1946. Serial No. 494,414. PUBLISHED JULY 16, 1946. Class 39.

424,969. OVERALLS, WORK PANTS, DUNGAREES, BIB OVERALLS, COVERALLS, AND JACKETS. BLUE RIDGE MANUFACTURERS, INCORPORATED, Baltimore, Md.
Filed January 8, 1946. Serial No. 494,424. PUBLISHED AUGUST 6, 1946. Class 39.

424,970. SLEEPING GARMENTS FOR INFANTS, CHILDREN, AND MISSES. THE PERRY KNITTING COMPANY, Perry, N. Y.
Filed January 11, 1946. Serial No. 494,626. PUBLISHED AUGUST 6, 1946. Class 39.

424,971. ELECTRICAL LUG CONNECTORS. DOSSERT MFG. CORP., Brooklyn, N. Y.
Filed January 12, 1946. Serial No. 494,662. PUBLISHED AUGUST 6, 1946. Class 21.

424,972. AIR BALANCED ACTUATING HEADS FOR DEEP WELL PUMPS. LACY OIL TOOL COMPANY, Los Angeles, Calif.
Filed January 14, 1946. Serial No. 494,753. PUBLISHED AUGUST 13, 1946. Class 23.

424,973. COTTON AND LINEN PIECE GOODS. DROMONA & MAINE LIMITED, Cullybackey, Northern Ireland.
Filed January 17, 1946. Serial No. 494,894. PUBLISHED AUGUST 6, 1946. Class 42.

424,974. SWEATERS. GLOBE KNITWEAR CO., Philadelphia, Pa.
Filed January 17, 1946. Serial No. 494,898. PUBLISHED AUGUST 6, 1946. Class 39.

424,975. LADIES' HANDBAGS. GOLDSMITH BROTHERS MANUFACTURING CO. INC., New York, N. Y.
Filed January 18, 1946. Serial No. 494,968. PUBLISHED AUGUST 13, 1946. Class 3.

424,976. MARTINGALES. N. PORTER SADDLE AND HARNESS COMPANY, Phoenix, Ariz.
Filed January 18, 1946. Serial No. 494,978. PUBLISHED AUGUST 13, 1946. Class 3.

424,977. MINIATURE MODEL INTERNAL COMBUSTION ENGINES, MINIATURE FUEL TANKS FOR MODEL ENGINES AND MINIATURE CARBURETORS, THE SAID CARBURETORS AND FUEL TANKS BEING COMPONENT PARTS OF SAID MODEL ENGINES. MELCRAFT, Saginaw, Mich.
Filed January 19, 1946. Serial No. 495,082. PUBLISHED AUGUST 6, 1946. Class 23.

424,978. CANNED DOG FOOD. CLEMENT L. HIRSCH, doing business as Packers Canning Company, Los Angeles, Calif.
Filed January 21, 1946. Serial No. 495,139. PUBLISHED AUGUST 13, 1946. Class 46.

424,979. BALING PRESSES. PRECISION PARTS COMPANY, Ann Arbor, Mich.
Filed January 21, 1946. Serial No. 495,152. PUBLISHED JULY 23, 1946. Class 23.

424,980. SHEET MATERIAL RESISTANT TO ACID, FLAME, AND WATER, FOR USE AS SOUND AND THERMAL INSULATION, INCLUDING MICA WITHIN THE MATERIAL OR COATED ON THE MATERIAL. RUDOLF F. HLAVATY, doing business as Hlavaty Insulations, Cicero, Ill.
Filed January 23, 1946. Serial No. 495,235. PUBLISHED AUGUST 6, 1946. Class 12.

424,981. KITCHEN, TABLE, AND HOUSEHOLD CUTLERY MADE OF BASE METALS AND PARTS THEREOF—NAMELY, FORKS, KNIVES, SPOONS, PARING KNIVES, SLICING KNIVES, CLEAVERS, CARVING SETS, BUTCHER KNIVES, TEASPOONS, SOUP SPOONS, SALAD FORKS, AND BUTTER KNIVES. THE GAILSTYN COMPANY, New York, N. Y.
Filed January 25, 1946. Serial No. 495,372. PUBLISHED AUGUST 6, 1946. Class 23.

424,982. WORK HOLDING CLAMPS, PARTICULARLY C-CLAMPS. GRAND SPECIALTIES COMPANY, Chicago, Ill.
Filed January 25, 1946. Serial No. 495,377. PUBLISHED AUGUST 6, 1946. Class 23.

424,983. WOOLEN FABRICS IN THE PIECE. PACIFIC MILLS, Boston, Mass., and New York, N. Y.
Filed January 30, 1946. Serial No. 495,689. PUBLISHED AUGUST 6, 1946. Class 42.

424,984. LIQUID FUEL BURNING LIGHTERS. HAASE MANUFACTURING CO., Chicago, Ill.
Filed January 31, 1946. Serial No. 495,736. PUBLISHED AUGUST 6, 1946. Class 34.

424,985. WOMEN'S AND CHILDREN'S PANTIES, VESTS, BLOOMERS, SLIPS, NIGHTGOWNS, PAJAMAS, HOUSECOATS, AND BRASSIÈRES. RUSSELL-NEWMAN MANUFACTURING COMPANY, Denton, Tex.
Filed January 31, 1946. Serial No. 495,764. PUBLISHED AUGUST 13, 1946. Class 39.

424,986. RAZOR BLADES. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y.
Filed February 1, 1946. Serial No. 495,783. PUBLISHED JULY 23, 1946. Class 23.

424,987. WORK SHIRTS, PANTS, WORK COATS AND SUITS FOR MEN AND BOYS. REEVES BROTHERS, INC., New York, N. Y.
Filed February 2, 1946. Serial No. 495,905. PUBLISHED AUGUST 6, 1946. Class 39.

424,988. PIECE GOODS OF COTTON, RAYON, WOOL, OR MIXTURES THEREOF. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va.
Filed February 2, 1946. Serial No. 495,907. PUBLISHED AUGUST 6, 1946. Class 42.

424,989. PIECE GOODS OF COTTON, RAYON, WOOL, OR MIXTURES THEREOF. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va.
Filed February 2, 1946. Serial No. 495,908. PUBLISHED AUGUST 6, 1946. Class 42.

424,990. MILLING CUTTERS. WESSON COMPANY, Ferndale, Mich.
Filed February 2, 1946. Serial No. 495,924. PUBLISHED AUGUST 6, 1946. Class 23.

424,991. CANNED CITRUS JUICE FOR FOOD PURPOSES—NAMELY, ORANGE JUICE. RAYMOND J. MATTISON, doing business as Sun-Bird Packing Co., Ltd., Arcadia, Calif.
Filed February 6, 1946. Serial No. 496,092. PUBLISHED AUGUST 13, 1946. Class 46.

424,992. INFANTS' AND CHILDREN'S OVERALLS, COVERALLS, "CRAWLERS," AND PLAYSUITS. PETER PAN MANUFACTURING CO., Boston, Mass.
Filed February 7, 1946. Serial No. 496,151. PUBLISHED AUGUST 6, 1946. Class 39.

424,993. LEATHER GOODS—NAMELY, WALLETS, TRAVELING CASES, KEY CASES, AND MANICURE CASES SOLD IN TRADE EMPTY. ROSENBERG BROTHERS, doing business as Ken Products, Boston, Mass.
Filed February 7, 1946. Serial No. 496,163. PUBLISHED AUGUST 13, 1946. Class 3.

424,994. ELECTRIC PRESSING IRONS AND ELECTRIC COMBINATION STEAMING AND PRESSING IRONS. THE SILEX COMPANY, Hartford, Conn.
Filed February 7, 1946. Serial No. 496,169. PUBLISHED JULY 23, 1946. Class 21.

424,995. HANDBAGS AND PURSES. STEINMAN BROS., New York, N. Y.
Filed February 7, 1946. Serial No. 496,171. PUBLISHED AUGUST 6, 1946. Class 3.

424,996. CAKE LINER IN GREASE FORM, FOR APPLYING TO CONTAINERS IN WHICH CAKES ARE BAKED TO PERMIT THEIR WITHDRAWAL FROM THE CONTAINERS. CRYNS PRODUCTS, INC., Chicago, Ill.
Filed February 8, 1946. Serial No. 496,203. PUBLISHED AUGUST 13, 1946. Class 46.

424,997. FOOD FOR YEAST IN POWDERED FORM, CONTAINING MINERAL SALTS, INACTIVE YEAST, AND CEREAL FLOURS. CRYNS PRODUCTS, INC., Chicago, Ill.
Filed February 8, 1946. Serial No. 496,205. PUBLISHED AUGUST 13, 1946. Class 46.

424,998. COOKIES. MAURICE GOLDMAN, doing business as Alan's Baking Co., Utica, N. Y.
Filed February 8, 1946. Serial No. 496,233. PUBLISHED AUGUST 6, 1946. Class 46.

424,999. RADIO RECEIVING SETS. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo.
Filed February 8, 1946. Serial No. 496,274. PUBLISHED AUGUST 6, 1946. Class 21.

425,000. SPORTSWEAR CONSISTING OF SLACKS, SKIRTS, DRESSES, SHORTS, JACKETS, PLAYSUITS FOR CHILDREN, ETC. JOSEPH ROSENBERG CO., INC., Boston, Mass.
Filed February 8, 1946. Serial No. 496,275. PUBLISHED AUGUST 13, 1946. Class 39.

425,001. EXTENSIBLE ELECTRICAL CORDS. KELLOGG SWITCHBOARD AND SUPPLY COMPANY, Chicago, Ill.
Filed February 9, 1946. Serial No. 496,313. PUBLISHED JULY 23, 1946. Class 21.

425,002. EXTENSIBLE ELECTRICAL CORDS. KELLOGG SWITCHBOARD AND SUPPLY COMPANY, Chicago, Ill.
Filed February 9, 1946. Serial No. 496,316. PUBLISHED JULY 23, 1946. Class 21.

425,003. FROZEN LEMON JUICE FOR FOOD PURPOSES. CITRUS FOODS CO., INC., La Habra, Calif.
Filed February 12, 1946. Serial No. 496,427. PUBLISHED AUGUST 6, 1946. Class 46.

425,004. PLYWOOD. COMMONWEALTH PLYWOOD COMPANY LIMITED, Ste. Therese, Quebec, Canada.
Filed February 12, 1946. Serial No. 496,431. PUBLISHED AUGUST 6, 1946. Class 12.

425,005. SCREW MACHINE AND TURRET LATHE TOOL HOLDERS AND PARTS—NAMELY, CUT-OFF SLIDES, FORM SLIDES, FORM TOOL HOLDERS, RECESSED TOOL HOLDERS, SHAVE TOOL HOLDERS, KNEE TURNERS, REGULAR TURNERS, TELESCOPIC THREADING SPINDLES, AND ALSO FOR METAL VISES SUITED TO VARIOUS MACHINE SHOP USES. MICHAEL J. SCHLITTERS, doing business as Screw Machine Tool Company, Detroit, Mich.
Filed February 13, 1946. Serial No. 496,521. PUBLISHED AUGUST 6, 1946. Class 23.

425,006. OVERALLS AND DUNGAREES. COMMERCE MANUFACTURING COMPANY, INC., Commerce, Ga.
Filed February 23, 1946. Serial No. 497,070. PUBLISHED AUGUST 13, 1946. Class 39.

425,007. CANNED MACKEREL. JOHN N. VALIANOS, doing business as The Valianos Company, San Francisco, Calif., assignor to The Valianos Company, San Francisco, Calif., a copartnership.
Filed February 23, 1946. Serial No. 497,147. PUBLISHED AUGUST 13, 1946. Class 46.

425,008. SPARKLING WATER AND OTHER NONALCOHOLIC, MALTLESS, CARBONATED, AND NONCARBONATED BEVERAGES. WHITE ROCK CORPORATION, New York, N. Y.
Filed February 28, 1946. Serial No. 497,430. PUBLISHED JULY 23, 1946. Class 45.

425,009. MINIATURE TOY FURNITURE SETS AND TOY HOUSES. PAULA PRODUCTS, New York, N. Y.
Filed March 6, 1946. Serial No. 497,737. PUBLISHED AUGUST 13, 1946. Class 22.

425,010. TOY KITES. NORTHWESTERN KITE CO., Minneapolis, Minn.
Filed March 11, 1946. Serial No. 498,022. PUBLISHED AUGUST 13, 1946. Class 22.

425,011. MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, SLACKS, HATS, AND SHOES MADE OF LEATHER, ETC. DESMOND'S, INC., Los Angeles, Calif.
Filed March 13, 1946. Serial No. 498,122. PUBLISHED AUGUST 13, 1946. Class 39.

425,012. HOSIERY FOR MEN, WOMEN, AND CHILDREN. S. S. KRESGE COMPANY, Detroit, Mich.
Filed March 15, 1946. Serial No. 498,288. PUBLISHED AUGUST 13, 1946. Class 39.

425,013. PEANUT BARS. CLINTON INDUSTRIES, INC., St. Louis, Mo.
Filed March 20, 1946. Serial No. 498,585. PUBLISHED AUGUST 13, 1946. Class 46.

425,014. CANDY. CLINTON INDUSTRIES, INC., Chicago, Ill.
Filed March 20, 1946. Serial No. 498,593. PUBLISHED AUGUST 13, 1946. Class 46.

425,015. EDIBLE POWDERED MIXTURE FOR USE IN THE MANUFACTURE OF FROZEN CONFECTIONS. R. G. MOENCH & CO., INC., New York, N. Y.
Filed March 20, 1946. Serial No. 498,646. PUBLISHED AUGUST 6, 1946. Class 46.

425,016. EDIBLE POWDERED MIXTURE FOR USE IN THE MANUFACTURE OF FROZEN CONFECTIONS. R. G. MOENCH & CO., INC., New York, N. Y.
Filed March 20, 1946. Serial No. 498,647. PUBLISHED AUGUST 6, 1946. Class 46.

425,017. WINDOW VENTILATORS. WENTWORTH H. SHORTLIDGE, doing business as Five-In-One Ventilator Company, Pittsburgh, Pa.
Filed March 21, 1946. Serial No. 498,718. PUBLISHED AUGUST 6, 1946. Class 34.

425,018. CANNED DOG AND CAT FOOD. NORTHWEST PACKING CO., Portland, Oreg.
Filed March 25, 1946. Serial No. 498,918. PUBLISHED AUGUST 13, 1946. Class 46.

425,019. CANNED DOG AND CAT FOOD. NORTHWEST PACKING CO., Portland, Oreg.
Filed March 25, 1946. Serial No. 498,919. PUBLISHED AUGUST 13, 1946. Class 46.

425,020. OLEOMARGARINE. THE CAPITAL CITY PRODUCTS CO., Columbus, Ohio.
Filed March 27, 1946. Serial No. 499,044. PUBLISHED AUGUST 13, 1946. Class 46.

425,021. LADIES' HANDBAGS AND SHOULDER BAGS, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed March 28, 1946. Serial No. 499,096. PUBLISHED AUGUST 13, 1946. Class 3.

425,022. COMBINATION STORM AND SCREEN PANEL STRUCTURES SUCH AS DOORS, WINDOWS, AND PORCH ENCLOSURES. THE LUMBERMEN'S DOOR & TRIM COMPANY, Cleveland, Ohio.
Filed April 4, 1946. Serial No. 499,643. PUBLISHED AUGUST 6, 1946. Class 12.

425,023. TOY PISTOLS. STATLER MANUFACTURING COMPANY, Chicago, Ill.
Filed April 20, 1946. Serial No. 500,634. PUBLISHED AUGUST 13, 1946. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

425,024. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN OLNEY, doing business as John Olney Products, Beaver Falls, Pa. Filed Feb. 9, 1944. Serial No. 467,299.



The two portraits are of the applicant, and the name John Olney, as written across the center of each picture is a facsimile signature of the applicant.
FOR CLEANER FOR STOVES, POTS, PANS, AND KITCHEN UTENSILS.
Claims use since July 1, 1943.

425,025. (CLASS 39. CLOTHING.) CORTELL SHOE COMPANY, Manchester, N. H. Filed Dec. 8, 1944. Serial No. 477,326.



FOR WOMEN'S AND MISSES' SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Nov. 15, 1944.

425,026. (CLASS 39. CLOTHING.) JAY KAY HAMMERMAN & SONS, INC., Chicago, Ill. Filed Jan. 25, 1945. Serial No. 478,991.



FOR LADIES' PAJAMAS, SLIPS, PANTIES, NEGLIGEES, ROBES, BRASSIÈRES, SLACKS, SLACK SUITS, BATHING SUITS AND SCARVES, CHILDREN'S AND MISSES' PAJAMAS, PANTIES, SLACKS, SLACK SUITS, BATHING SUITS AND SCARVES.
Claims use since Feb. 1, 1937.

425,027. (CLASS 2. RECEPTACLES.) CONTINENTAL CAN COMPANY, INC., New York, N. Y. Filed Feb. 15, 1945. Serial No. 479,838.

KLEEN SEAL

FOR FOOD AND BEVERAGE CONTAINERS OF TUB-SHAPED, CUP-SHAPED AND TUMBLE TYPE.
Claims use since Dec. 15, 1944.

425,028. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL HIMBER, doing business as Quick Steaks Co., Wilmington, Del. Filed Mar. 30, 1945. Serial No. 481,539.



FOR BEEFSTEAKS.
Claims use since Dec. 15, 1944.

425,029. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SEWALL PAINT & VARNISH COMPANY, Kansas City, Mo. Filed Apr. 2, 1945. Serial No. 481,653.



The drawing is lined to designate colors which blend from deep purple through blue, green, yellow, orange, pink, and red.
FOR PAINTS IN PASTE OR SEMI-PASTE FORM.
Claims use since October 1944.

425,030. (CLASS 39. CLOTHING.) TIMELY ACCESSORIES, INC., New York, N. Y. Filed Apr. 13, 1945. Serial No. 482,128.



FOR DICKEYS.
Claims use since Nov. 1, 1944.

425,031. (CLASS 39. CLOTHING.) THE LA RESISTA CORSET COMPANY, Bridgeport, Conn. Filed May 4, 1945. Serial No. 482,994.

THE LINE OF YOUTH

FOR CORSETS, CORSELETS, GIRDLES, PANTY GIRDLES, AND BRASSIERES.
Claims use since Apr. 20, 1945.

425,032. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FEARN LABORATORIES, INC., Chicago, Ill., assignor to Northwestern Yeast Company, Chicago, Ill., a corporation of Illinois. Filed May 14, 1945. Serial No. 483,309.



The drawing is lined for shading only.
FOR COMPOSITIONS IN POWDER FORM, FOR SEASONING AND CURING MEAT AND MEAT-CONTAINING FOOD PRODUCTS.
Claims use since Nov. 21, 1944.

425,033. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CORRECTOSITE APPLIANCE COMPANY, Los Angeles, Calif. Filed May 18, 1945. Serial No. 483,515.

Site Stimulator

FOR EYE EXERCISING APPARATUS DESIGNED TO PRODUCE CONFIGURATIONS FOR VIEWING BY THE USER SO AS TO INDUCE MUSCULAR ACTIVITY TO CORRECT MYOPIA AND HYPEROPIA.
Claims use since Sept. 15, 1943.

425,034. (CLASS 39. CLOTHING.) MARY ELIZABETH MUTH, Columbus, Ohio. Filed May 18, 1945. Serial No. 483,546.

Baby-Sleep-Rite

FOR INFANTS' RESTRAINING AND PROTECTING GARMENTS.
Claims use since Feb. 15, 1945.

425,035. (CLASS 39. CLOTHING.) SALFAIR, New York, N. Y. Filed May 18, 1945. Serial No. 483,554.

Barby
BASQUE
Beret

FOR WOMEN'S HATS.
Claims use since April 1, 1945.

425,036. (CLASS 39. CLOTHING.) SOL SHERMAN, doing business as Sherman Bows, New York, N. Y. Filed June 16, 1945. Serial No. 484,643.

FRAYED PROOF TIES
BY
SHERMAN

FOR NECKTIES AND BOW TIES.
Claims use since May 16, 1945.

425,037. (CLASS 11. INKS AND INKING MATERIALS.) FIRST PAN-AMERICAN, MERCANTILE CORPORATION, New York, N. Y. Filed June 18, 1945. Serial No. 484,678.

FASDRI

FOR STAMP PAD INK AND FOUNTAIN PEN INK.
Claims use since Apr. 1, 1945.

425,038. (CLASS 23. CUTLERY, MACHINERY AND TOOLS, AND PARTS THEREOF.) POWER MACHINERY COMPANY, Tulsa, Okla. Filed June 27, 1945. Serial No. 485,097.

CENTRIFUGAL OIL MOVER

FOR ENGINE DRIVEN OIL PUMPING UNITS FOR OIL PIPE LINES.
Claims use since Jan. 1, 1945.

Ser. No. 425,039. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) POWER MACHINERY COMPANY, Tulsa, Okla. Filed June 27, 1945. Serial No. 485,098.

ROTARY OIL MOVER

FOR ENGINE DRIVEN OIL PUMPING UNITS FOR OIL PIPE LINES.
Claims use since Nov. 1, 1944.

425,040. (CLASS 39. CLOTHING.) ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Filed Aug. 6, 1945. Serial No. 486,729.

Paul Gray

FOR CHILDREN'S COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, SWEATERS, NEGLIGEES, PAJAMAS, UNDERWEAR, PLAY SUITS, BEACH ROBES, BATHING SUITS, BREECHES, JODHPURS, RIDING BOOTS; SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC; GLOVES OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC; AND HOSIERY.
Claims use since July 3, 1945.

425,041. (CLASS 39. CLOTHING.) ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Filed Aug. 6, 1945. Serial No. 486,730.

Paula Gray

FOR CHILDREN'S COATS, SUITS, DRESSES, OUTER SKIRTS, BLOUSES, SWEATERS, NEGLIGEES, PAJAMAS, UNDERWEAR, PLAY SUITS, BEACH ROBES, BATHING SUITS, BREECHES, JODHPURS, RIDING BOOTS; SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC; GLOVES OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC; AND HOSIERY.
Claims use since July 3, 1945.

425,042. (CLASS 39. CLOTHING.) ANDREW FORBES INCORPORATED, New York, N. Y. Filed Aug. 11, 1945. Serial No. 487,043.

Andrew Forbes

FOR LADIES' AND MISSES' HATS.
Claims use since Aug. 1, 1945.

425,043. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARDEN FARMS CO., Los Angeles, Calif. Filed Aug. 17, 1945. Serial No. 487,161.

DICED CREAM

FOR DAIRY PRODUCTS—NAMELY, ICE CREAM.
Claims use since July 27, 1945.

425,044. (CLASS 39. CLOTHING.) JACK H. KELMAN, doing business as Gail Carnogy Classics, New York, N. Y., and Philadelphia, Pa. Filed Aug. 21, 1945. Serial No. 487,375.

NIKI DURANT

FOR LADIES', CHILDREN'S, AND INFANTS' WEAR—NAMELY, DRESSES, HOSIERY, BRASSIÈRES, PANTIES, PAJAMAS, HOUSECOATS, SWEATERS, SLACKS, SPORT JACKETS, OUTER SHIRTS, BLOOMERS, OUTER SHORTS, SLACK SUITS, HATS, GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, AND CULOTTES.
Claims use since July 25, 1945.

425,045. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) CARL CANTELLO, doing business as Gripso Flat Clasp Company, Jersey City, N. J. Filed Aug. 24, 1945. Serial No. 487,501.

Grip-So-Flat

FOR GARTER CLASPS FOR MEN, WOMEN, AND CHILDREN.
Claims use since May 24, 1945.

425,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MURRAY FRANK & ASSOCIATES, Chicago, Ill. Filed Aug. 29, 1945. Serial No. 487,710.

Silver Foam

FOR PHARMACEUTICAL PREPARATIONS FOR USE IN SHAMPOOING THE HAIR.
Claims use since Jan. 1, 1944.

425,047. (CLASS 39. CLOTHING.) THE BERLIN TANNING AND MANUFACTURING CO., doing business as Lam-Skin Slipper Co., Berlin, Wis. Filed Sept. 1, 1945. Serial No. 487,881.

Lam-Skin Slipper Co.

FOR BEDROOM SLIPPERS, LOUNGING SHOES AND STADIUM BOOTS.
Claims use since July 1, 1940.

425,048. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHOOL HOUSE CANDY COMPANY, Providence, R. I., assignor to School House Candy Co., a corporation of Rhode Island. Filed Sept. 13, 1945. Serial No. 488,430.

HALLOWE'EN TRIX OR TREATS

FOR CANDIES, SPECIFICALLY LOLLIPOPS.
Claims use since July 5, 1945.

425,049. (CLASS 37. PAPER AND STATIONERY.) JOSEPH M. KATZ, Pittsburgh, Pa. Filed Sept. 21, 1945. Serial No. 488,816.



Merci

FOR STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES.
Claims use since June 10, 1945.

425,050. (CLASS 39. CLOTHING.) HANSEN GLOVE CORPORATION, Milwaukee, Wis. Filed Sept. 24, 1945. Serial No. 488,900.

The HANSEN Dapple

FOR LEATHER GLOVES.
Claims use since July 16, 1945.

425,051. (CLASS 39. CLOTHING.) HANSEN GLOVE CORPORATION, Milwaukee, Wis. Filed Sept. 24, 1945. Serial No. 488,903.

HANSEN SNUFFED HOGSKIN

FOR LEATHER GLOVES.
Claims use since July 16, 1945.

425,052. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PIPE & TUBE PRODUCTS, INC., Jersey City, N. J. Filed Sept. 27, 1945. Serial No. 489,085.

READING BRASS · COPPER · STEEL TUBING

FOR BRASS, COPPER, AND STEEL TUBING.
Claims use since July 1, 1945.

425,053. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y. Filed Oct. 10, 1945. Serial No. 489,705.

THE McGREGOR WALLET

FOR WALLETS.
Claims use since Aug. 1, 1945.

425,054. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FACS COMPANY, San Antonio, Tex. Filed Oct. 10, 1945. Serial No. 489,732.

Facs

FOR CORN CHIPS.
Claims use since Jan. 1, 1945.

425,055. (CLASS 39. CLOTHING.) GROFF'S INC., Toledo, Ohio. Filed Oct. 12, 1945. Serial No. 489,865.

Groff's

FOR HOSIERY, KERCHIEFS, COLLARS, NECKTIES, MUFFLERS, SCARVES; UNDERWEAR FOR MEN, WOMEN AND CHILDREN; AND WOMEN'S AND GIRLS' DRESSES, CORSET COVERS, SLIPS AND PANTIES.
Claims use since January 1928.

425,056. (CLASS 39. CLOTHING.) BRITISH WEST INDIES CO., New York, N. Y. Filed Oct. 22, 1945. Serial No. 490,282.

Toni★Gay

FOR WOMEN'S AND MISSES' BOOTS AND SHOES MADE OF LEATHER, FABRIC, RUBBER, STRAW, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Sept. 4, 1945.

425,057. (CLASS 39. CLOTHING.) C. H. HYER & SONS, Olathe, Kans. Filed Oct. 22, 1945. Serial No. 490,313.

OLATHE
Cowboy

FOR BOOTS AND SHOES MADE PRINCIPALLY OF LEATHER BUT HAVING PARTS FORMED OF FABRIC AND RUBBER.
Claims use since 1922.

425,058. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KELLOGG SWITCHBOARD AND SUPPLY COMPANY, Chicago, Ill. Filed Oct. 29, 1945. Serial No. 490,667.

KELLOGG
SWITCHBOARD & SUPPLY CO.
CHICAGO, U.S.A.

FOR TELEPHONES, SWITCHBOARDS, TELEPHONE FIELD SETS, TELEPHONE-BELL BOXES, TELPHONE PARTS, SWITCHBOARD PARTS, AND TELEPHONE-FIELD-SET PARTS.
Claims use since Mar. 28, 1918.

425,059. (CLASS 39. CLOTHING.) RAINGARD, INC., New York, N. Y. Filed Oct. 29, 1945. Serial No. 490,697.

Raingard

FOR WOMEN'S, MISSES', GIRLS', TEENS', AND JUNIORS' COATS.
Claims use since June 1944.

425,060. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JEHANGIR KHAMBATA, New York, N. Y. Filed Oct. 31, 1945. Serial No. 490,835.

MAJOR GREY'S

FOR BOTTLED CHUTNEY.
Claims use since Oct. 5, 1944.

425,061. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PAXTON DIESEL ENGINEERING COMPANY, Omaha, Nebr. Filed Nov. 3, 1945. Serial No. 491,026.

SAFE-N-EZY

FOR VALVE SPRING DEPRESSORS.
Claims use since Dec. 1, 1944.

425,062. (CLASS 39. CLOTHING.) EXMOOR KNITWEAR CO., New York, N. Y. Filed Nov. 9, 1945. Serial No. 491,319.

Exmoor

FOR WOMEN'S AND MISSES' KNITTED OUTER GARMENTS—NAMELY, SWEATERS AND JACKETS.
Claims use since Aug. 1, 1942.

425,063. (CLASS 39. CLOTHING.) B. A. CORBIN & SON CO., Marlborough, Mass. Filed Nov. 14, 1945. Serial No. 491,549.

GLENN G SHOES

FOR SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR COMBINATIONS OF SAID MATERIALS.
Claims use since August 1941.

425,064. (CLASS 39. CLOTHING.) GLOBE NOVELTY HOUSE, New York, N. Y. Filed Nov. 14, 1945. Serial No. 491,560.

REAL FORM

FOR SUSPENDERS, ARM BANDS, GARTER AND TROUSER BELTS.
Claims use since Aug. 7, 1945.

425,065. (CLASS 39. CLOTHING.) MARIANNA GIRL COAT CO., New York, N. Y., assignor to Marianna Girl Coat Co. Ltd., New York, N. Y., a corporation of New York. Filed Nov. 13, 1945. Serial No. 491,784.

4 in 1 Ensemble

FOR GIRLS' AND MISSES' COATS AND COAT ENSEMBLES.
Claims use since July 2, 1945.

425,066. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KUTLERY FOR KITS, Chicago, Ill. Filed Nov. 23, 1945. Serial No. 492,061.

KUTLERY for KITS

FOR KNIVES MADE OF BASE METAL.
Claims use since Aug. 7, 1945.

425,067. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AIRTRONICS DEVELOPMENT CORPORATION, Dayton, Ohio. Filed Nov. 24, 1945. Serial No. 492,122.

"LIFT-A-TOP"

FOR PLASTIC BLOCKS USED AS EDUCATIONAL TOYS FOR CHILDREN.
Claims use since Aug. 30, 1945.

425,068. (CLASS 39. CLOTHING.) J. M. RUBIN & SONS, Gloversville, N. Y. Filed Nov. 27, 1945. Serial No. 492,278.

NUSEAM

FOR GLOVES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since July 27, 1945.

425,069. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. & J. W. ELSWORTH CO., New York, N. Y. Filed Nov. 29, 1945. Serial No. 492,369.

Famous Fireplace OYSTERS



Applicant is the owner of Reg. No. 296,600.
FOR OYSTERS IN THEIR NATURAL STATE.
Claims use since July 1930.

425,070. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UTICA CUTLERY COMPANY, Utica, N. Y. Filed Nov. 29, 1945. Serial No. 492,409.

AGATE WOOD

FOR CUTLERY MADE OF NON-PRECIOUS METAL—NAMELY, POT FORKS, KITCHEN KNIVES, TABLE CUTLERY, CLEAVERS, POCKET KNIVES, SHARPENING STEEL, KITCHEN SPATULAS, LUNCH KNIVES, PARING KNIVES, SLICERS, AND BUTCHER PATTERN KNIVES.
Claims use since July 26, 1945.

425,071. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) OXFORD-PYKE, INC., New York, N. Y. Filed Nov. 30, 1945. Serial No. 492,457.

Lord Oxford

FOR CIGAR AND CIGARETTE LIGHTERS EMPLOYING A COMBUSTIBLE FUEL.
Claims use since June 27, 1945.

425,072. (CLASS 39. CLOTHING.) JORDAN MARSH COMPANY, Boston, Mass. Filed Dec. 6, 1945. Serial No. 492,777.

MUIR-SPUN

FOR WOMEN'S AND CHILDREN'S COATS, SUITS, SOCKS, AND SWEATERS.
Claims use since May 18, 1945.

425,073. (CLASS 48. MALT BEVERAGES AND LIQUORS.) BREWERS SCIENTIFIC LABORATORIES, Rahway, N. J. Filed Dec. 21, 1945. Serial No. 493,647.

BREWERS SCIENTIFIC LABORATORIES

FOR CHEMICAL SUBSTANCE OF VEGETABLE ORIGIN USED EXCLUSIVELY IN THE CLARIFICATION OF BEER AND ALE; A COMPOUND FOR THE CHILL-PROOFING OF BEERS AND ALES; A CONCENTRATED COMPOUND OF HYDROLYZED SOLUBLE PROTEINS AND AMINO ACIDS FOR PRODUCING FOAM STABILITY AND BODY IN THE BREWING OF BEERS AND ALES; A SOLUBLE COMPOUND FOR USE IN THE BREWING OF BEERS AND ALES FOR OVERCOMING STARCH AND PROTEIN TURBIDITIES THEREIN; A HIGHLY SOLUBLE COMPOUND FOR IMPROVING YEAST SETTLEMENT IN THE BREWING OF BEERS AND ALES AND FOR HARDENING THE WATER USED IN SUCH BREWING, AND FOR IMPROVING THE STABILITY AND PALATABILITY IN THE FINISHED BEERS AND ALES; A COMPOUND FOR USE IN THE BREWING OF BEERS AND ALES FOR INCREASING EXTRACT YIELDS, AND FOR SHORTENING THE CONVERSION PERIODS, FOR PREVENTING STARCH AND PROTEIN TURBIDITIES, FOR REDUCING CHILL-PROOFING CONSUMPTION, FOR INCREASING THE SHELF-LIFE OF BREWS, AND FOR RENDERING THE FINISHED BEERS AND ALES CLEAR AND BRILLIANT; A COMPOUND OF CEREAL ENZYMES OF STRONG PROTEIN-DISSOLVING POWERS FOR USE IN THE BREWING OF BEERS AND ALES, AND FOR PERMANENTLY INSURING BRILLIANCY AND CHILL-PROOFING THEREOF; AN INHIBITOR COMPOUND FOR USE IN BEERS, ALES, AND YEASTS FOR RETARDING THE GROWTH OF BACTERIA, MOLD, AND FUNGI.

Claims use on a chemical substance of vegetable origin used exclusively in the clarification of beer and ale, since Dec. 1, 1931; on a compound for the chill-proofing of beers and ales, since December 1934; on a concentrated compound of hydrolyzed soluble proteins and amino acids for producing foam stability and body in the brewing of beers and ales, since July 25, 1936; on a soluble compound for use in the brewing of beers and ales for overcoming starch and protein turbidities therein, since Jan. 2, 1940; on a highly soluble compound for improving yeast settlement in the brewing of beers and ales and for hardening the water used in such brewing, and for improving the stability and palatability in the finished beers and ales, since Jan. 2, 1940; on a compound for use in the brewing of beers and ales for increasing extract yields, for shortening the conversion periods, for preventing starch and protein turbidities, for reducing chill-proofing consumption, for increasing the shelf-life of brews, and for rendering the finished beers and ales clear and brilliant, since Jan. 2, 1941; on a compound of cereal enzymes of strong protein-dissolving powers for use in the brewing of beers and ales, and for permanently insuring brilliancy and chill-proofing thereof, since July 2, 1941; and on an inhibitor compound for use in beers, ales, and yeasts for retarding the growth of bacteria, mold, and fungi, since July 5, 1943.

425,074. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) JOHN WALTHER FABRICS, INC., New York, N. Y. Filed Dec. 21, 1945. Serial No. 493,705.

AMERICA'S SMARTEST
WOOLENS

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since Jan. 1, 1938.

425,075. (CLASS 43. THREAD AND YARN.) DAVID FINKELSTEIN, doing business as Reliable Yarn & Trimming Co., Brooklyn, N. Y. Filed Dec. 22, 1945. Serial No. 493,827.



FOR COTTON, SILK, RAYON, AND WOOL YARNS.
Claims use since Oct. 1, 1944.

425,076. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PY-MAK COMPANY, Dallas, Tex. Filed Dec. 27, 1945. Serial No. 493,931.

Py-Mak

FOR PIE FILLING.
Claims use since Oct. 5, 1944.

425,077. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEAN DESPREZ, Paris, France. Filed Dec. 29, 1945. Serial No. 494,041.

Jean Desprez
PARIS

FOR PERFUMES AND ROUGES.
Claims use since November 1944.

425,078. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. J. HOLLOWAY & CO., Chicago, Ill. Filed Jan. 18, 1946. Serial No. 494,972.

Ko-Ko-Mo

FOR CANDY.
Claims use since Apr. 16, 1932.

425,079. (CLASS 39. CLOTHING.) WALTER P. HARRIS, doing business as Walter P. Harris & Co., New York, N. Y. Filed Jan. 24, 1946. Serial No. 495,293.

Knitrue

FOR HOSIERY.
Claims use since July 1910.

425,080. (CLASS 12. CONSTRUCTION MATERIALS.) CALIFORNIA STUCCO COMPANY, Los Angeles, Calif. Filed Jan. 22, 1946. Serial No. 495,353.

Tile
-Seal

FOR PREPARED TILE GROUT.
Claims use since Aug. 13, 1937.

425,081. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HAROLD F. JENKINS, Elmira, N. Y. Filed Jan. 25, 1946. Serial No. 495,390.

WORLD
IN
COLOR
PRODUCTIONS

FOR MOTION PICTURE TRAVEL FILMS.
Claims use since February 1941.

425,082. (CLASS 39. CLOTHING.) DINNY & ROBBINS INC., New York, N. Y. Filed Feb. 1, 1946. Serial No. 495,795.



FOR LEATHER SHOES.
Claims use since Dec. 2, 1935.

425,083. (CLASS 39. CLOTHING.) KNITTED SALES COMPANY, New York, N. Y. Filed Jan. 26, 1946. Serial No. 495,931.

BOB-GLEN

FOR KNITTED SPORTSWEAR—NAMELY, MEN'S, WOMEN'S, AND BOYS' SWEATERS.
Claims use since Feb. 1, 1942.

425,084. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RONALD E. SHIELDS, doing business as Shields Chemical Products, West Pittston, Pa. Filed Feb. 8, 1946. Serial No. 496,278.

SHIELDS'



The drawing is lined to represent shading.
FOR FURNITURE POLISH AND FLOOR WAX.
Claims use since Dec. 14, 1934.

425,085. (CLASS 39. CLOTHING.) JACOB SIEGEL COMPANY, Philadelphia, Pa. Filed Feb. 8, 1946. Serial No. 496,279.

St. Edmunds

FOR MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, TOPCOATS, OVERCOATS, AND SLACKS.
Claims use since May 1, 1945.

425,086. (CLASS 39. CLOTHING.) ISAAC GINSBERG & BROS., INC., New York, N. Y. Filed Mar. 14, 1946. Serial No. 498,224.

Queen Make

Exclusively yours.

FOR CHILDREN'S, GIRLS', AND WOMEN'S DRESSES.
Claims use since June 1, 1945.

425,087. (CLASS 39. CLOTHING.) MOLLY MALONE, INC., New York, N. Y. Filed Apr. 3, 1946. Serial No. 499,563.

DEMI-FASHIONS

FOR LADIES' AND MISSES' DRESSES.
Claims use since Oct. 9, 1944.

425,088. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) CREST FABRICS CORP., New York, N. Y. Filed Apr. 10, 1946. Serial No. 499,944.

WINNEBAGO

FOR VINYL TYPE PLASTIC SHEETING FOR USE IN THE MANUFACTURE OF SHOWER CURTAINS, BATHROOM CURTAINS, RAINWEAR, APRONS, CRIB SHEETS, BED SHEETING, TABLE COVERS, SANITARY COVERS, BABY BIBS, KITCHEN SHELVING, AND GARMENT BAGS.
Claims use since July 9, 1945.

425,089. (CLASS 39. CLOTHING.) DAVID FRIEDMAN, doing business as David Friedman Co., New York, N. Y. Filed Apr. 18, 1946. Serial No. 500,469.

"Short'n Sweet"

FOR NEGLIGEES, HOUSECOATS, PAJAMAS, BED JACKETS, AND QUILTED ROBES.
Claims use since Jan. 12, 1945.

425,090. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) PEIRSON-MOORE CO., Lexington, Ky. Filed Apr. 22, 1946. Serial No. 500,692.



FOR APPARATUS FOR CONDITIONING AIR ADAPTED TO BE CIRCULATED THROUGH A TOBACCO BARN.
Claims use since May 1945.

425,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPRINGFIELD TOMATO CO. INC., Springfield, Mass. Filed Apr. 27, 1946. Serial No. 501,095.



FOR FRESH TOMATOES.
Claims use since Oct. 2, 1944.

425,092. (CLASS 39. CLOTHING.) ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Apr. 30, 1946. Serial No. 501,155.

Barbara Lee, Jr.

FOR JUNIOR AND GIRLS' DRESSES, COATS, SUITS, JACKETS, OUTER SKIRTS, HATS, SWEATERS, BLOUSES, SLACKS, NEGLIGEES, HOUSECOATS, NIGHTGOWNS, ROBES, LOUNGING AND SLEEPING PYJAMAS, SLIPS, PETTICOATS, PANTIES, UNDERDRAWERS, BLOOMERS, VESTS, BANDEAUX, BRASSIÈRES, GIRDLES AND GARTER BELTS, AND COMBINATIONS OF THE SAME.
Claims use since Jan. 2, 1942.

425,093. (CLASS 12. CONSTRUCTION MATERIALS.) THE HOWELL MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 3, 1946. Serial No. 501,387.

"How-ell-dor"
BACKED BY 20 YEARS EXPERIENCE

FOR OVERHEAD GARAGE DOORS.
Claims use since Nov. 27, 1939.

425,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARYLAND BAKING COMPANY, INC., Baltimore, Md. Filed June 14, 1946. Serial No. 503,921.

Flavor-ized
Flare
TOPS

FOR ICE CREAM CONES.
Claims use since Oct. 1, 1935.

TRADE-MARK REGISTRATIONS RENEWED

28,616. **CYCO.** CARPET-SWEEPERS. Registered July 14, 1896. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich., and New York, N. Y. Re-renewed July 14, 1946, to Bissell Carpet Sweeper Company, Grand Rapids, Mich., a corporation of Michigan. Class 23.

28,952. **"RIVERSIDE" AND DESIGN.** COTTON YARN AND THREADS. Registered Oct. 6, 1896. J. R. LEESON & CO., Boston, Mass. Re-renewed Oct. 6, 1946, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

29,024. **DOE SKIN.** WRITING PAPER AND ENVELOPES. Registered Oct. 20, 1896. Z. & W. M. CRANE. Re-renewed Oct. 20, 1946, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts. Class 37.

29,203. **ATORA.** RENDERED OR REFINED BEEF-SUET OR BEEF-FAT. Registered Nov. 24, 1896. HUGON & CO., LIMITED, Pendleton, England. Re-renewed Nov. 24, 1946, to Hugon and Company, Limited, Manchester, England, a United Kingdom Corporation. Class 46.

52,320. **EDISWAN.** INCANDESCENT ELECTRIC-LAMPS AND FITTINGS OF ORDINARY METAL FOR THE SAME. Registered May 8, 1906. THE EDISON AND SWAN UNITED EECTRIC LIGHT COMPANY LIMITED. Re-renewed May 8, 1946, to The Edison Swan Electric Company, Limited, London, England, a British company. Class 21.

52,782. **REPRESENTATION OF A CROWN AND A CROSS.** BEEF EXTRACTS AND BEEF, IRON, AND WINE. Registered May 15, 1906. LIEBIG EXTRACT COMPANY. Re-renewed May 15, 1946, to Liebig Products Co. Inc., New York, N. Y., a corporation of New York. Class 6.

52,971. **"DELL'AQUILA" AND DRAWING.** MACARONI, VERMICELLI, SPAGHETTI, AND NOODLES. Registered May 22, 1906. LOUIS BASTRUP and KICKHAM SCANLAN, administrators of John B. Canepa, deceased, assignors to The John B. Canepa Company. Re-renewed May 22, 1946, to The John B. Canepa Company, Chicago, Ill., a corporation of Illinois. Class 46.

52,980. **"STAR" AND DRAWING.** CEREAL PASTE FOODS, SUCH AS MACARONI, SPAGHETTI, AND VERMICELLI. Registered May 22, 1906. THE JOHN B. CANEPA COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed May 22, 1946. Class 46.

53,161. **"GOODS WELL DISPLAYED ARE HALF SOLD" ETC. AND DESIGN.** DISPLAY-RACKS. Registered May 29, 1906. JOHN H. BEST. Re-renewed May 29, 1946, to John H. Best & Sons, Inc., Galva, Ill., a corporation of Illinois. Class 32.

53,224. **BABEK.** VEGETABLE COMPOUND TO BE USED FOR MEDICAL PURPOSES. Registered May 29, 1906. KLOCZEWSKI & CO. Re-renewed May 29, 1946, to Kloczewski & Co., Washington, D. C., a corporation of the District of Columbia. Class 6.

53,371. **THE BATES SHOE.** LEATHER SHOES FOR LADIES, MEN, AND CHILDREN. Registered June 5, 1906. A. J. BATES CO. Re-renewed June 5, 1946, to Bates Shoe Company, Webster, Mass., a corporation of Massachusetts. Class 39.

53,699. **GREAT AMERICAN.** SAWS. Registered June 12, 1906. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed June 12, 1946. Class 23.

53,702. **LANCET.** SAWS. Registered June 12, 1906. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa. Re-renewed June 12, 1946, to Henry Disston & Sons, Incorporated, Tacony, Philadelphia, Pa., a corporation of Pennsylvania. Class 23.

53,752. **JACKSON.** SAWS. Registered June 12, 1906. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa. Re-renewed June 12, 1946, to Henry Disston & Sons, Incorporated, Tacony, Philadelphia, Pa., a corporation of Pennsylvania. Class 23.

54,244. **D.** SAWS. Registered June 26, 1906. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed June 26, 1946. Class 23.

54,661. **"CHOICE" XX EXTRA ETC.** STEEL IN BARS, PLATES, RODS, AND WIRE. Registered June 26, 1906. HOBSON, HOUGHTON & CO., LIMITED, Sheffield, England, a United Kingdom corporation. Re-renewed June 26, 1946. Class 14.

55,678. **STATE SEAL.** CHAMPAGNE. Registered Aug. 21, 1906. EMPIRE STATE WINE CO. Re-renewed Aug. 21, 1946, to R. C. Williams Wineries, Inc., Penn Yan, N. Y., a corporation of New York. Class 47.

55,690. **LISTERINE.** TOOTH-POWDER. Registered Aug. 21, 1906. LAMBERT PHARMACAL COMPANY, St. Louis, Mo. Re-renewed Aug. 21, 1946, to Lambert Pharmacal Company, Wilmington, Del., a corporation of Delaware. Class 6.

56,496. **GISHOLT.** LATHES, MILLING-MACHINES, BORING-MILLS, GRINDERS, AND SCREW-MACHINES. Registered Oct. 2, 1906. GISHOLT MACHINE COMPANY, Madison, Wis., a corporation of Wisconsin. Re-renewed Oct. 2, 1946. Class 23.

56,706. **"QUAKER" AND DRAWING.** PREPARED RICE. Registered Oct. 16, 1906. THE AMERICAN CEREAL COMPANY, Akron, Ohio, Chicago, Ill., and Cedar Rapids, Iowa. Re-renewed Oct. 16, 1946, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Class 46.

57,138. **HERCULES.** SUSPENDERS. Registered Nov. 6, 1906. THE C. A. EDGARTON MANUFACTURING COMPANY. Re-renewed Nov. 6, 1946, to President Suspender Company (of 1936), Shirley, Mass., a corporation of Massachusetts. Class 39.

57,201. **STEEL EMERY.** ABRASIVES USED IN THE VARIOUS ARTS FOR POLISHING, RUBBING, GRINDING, SAWING, CUTTING, BORING, ETC., GLASS, MARBLE, GRANITE, STONE, IRON, STEEL, AND THE LIKE. Registered Nov. 6, 1906. PITTSBURGH CRUSHED STEEL CO. LIMITED. Re-renewed Nov. 6, 1946, to Pittsburgh Crushed Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 4.

57,289. **RUBY.** PAPER AND CLOTH COATED WITH ABRASIVE MATERIAL, SUCH AS FLINT, SAND, AND EMERY. Registered Nov. 13, 1906. HERMAN BEHR & Co., New York, N. Y. Re-renewed Nov. 13, 1946, to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Class 4.

57,290. **SHIRLEY.** SUSPENDERS. Registered Nov. 13, 1906. THE C. A. EDGARTON MANUFACTURING COMPANY. Re-renewed Nov. 13, 1946, to President Suspender Company (of 1936), Shirley, Mass., a corporation of Massachusetts. Class 39.

57,563. **LISTERINE.** SOAPS FOR HYGIENIC AND ANTISEPTIC PERSONAL USE. Registered Nov. 13, 1906. LAMBERT PHARMACAL CO., St. Louis, Mo. Re-renewed Nov. 13, 1946, to Lambert Pharmacal Company, Wilmington, Del., a corporation of Delaware. Class 4.

57,627. **HERMITAGE.** KNITTED UNDERWEAR AND HOSIERY. Registered Nov. 20, 1906. J. S. REEVES & Co., Nashville, Tenn., a firm. Re-renewed Nov. 20, 1946. Class 39.

205,513. **SNOW KING.** GLOVES OF LEATHER, RUBBER, AND FABRIC, OF LEATHER AND RUBBER, OF LEATHER AND FABRIC, AND OF RUBBER AND FABRIC. Registered Nov. 10, 1925. C. D. OSBORN Co., Chicago, Ill., a corporation of Illinois. Renewed Nov. 10, 1945. Class 39.

205,515. **REPRESENTATION OF BOY THROWING SNOWBALLS.** GLOVES OF LEATHER, RUBBER, AND FABRIC, OF LEATHER AND RUBBER, OF LEATHER AND FABRIC, AND OF RUBBER AND FABRIC. Registered Nov. 10, 1925. C. D. OSBORN Co., Chicago, Ill., a corporation of Illinois. Renewed Nov. 10, 1945. Class 39.

206,646. **KARMA.** PERFUMES, ROUGE, FACE POWDERS, SHAMPOOS, AND FACE LOTIONS. Registered Dec. 8, 1925. MILLIN DRUG COMPANY, Wilmington, Del., and Memphis, Tenn. Renewed Dec. 8, 1945, to Edna G. Wellman, doing business as Millin Drug Co., Memphis, Tenn. Class 6.

206,729. **"ALEXANDRINE" AND DESIGN.** GLOVES OF LEATHER. Registered Dec. 8, 1925. ALEXANDRINE, Paris, France, a corporation of France. Renewed Dec. 8, 1945. Class 39.

207,950. **PAREEK.** TABLE EARTHENWARE. Registered Jan. 12, 1926. JOHNSON BROTHERS, (HANLEY) LIMITED, Stoke-on-Trent, England, a corporation of Great Britain. Renewed Jan. 12, 1946. Class 30.

207,977. **"HOFFMAN'S TRIANGLE BRAND" AND DESIGN.** SAUSAGE. Registered Jan. 12, 1926. J. S. HOFFMAN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Jan. 12, 1946. Class 46.

208,869. **"LARRO" AND DESIGN.** POULTRY FEED. Registered Feb. 9, 1926. THE LARROWE MILLING COMPANY, Detroit, Mich. Renewed Feb. 9, 1946, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

209,165. **PREPSTYLE.** MEN'S WEARING APPAREL—NAMELY, MEN'S AND BOYS' SUITS CONSISTING OF COAT, VEST, AND TROUSERS; KNICKERS, OVERCOATS, EVERYDAY SHIRTS, TIES, COLLARS, SWEATERS, MEN'S AND BOYS' HATS, MEN'S AND BOYS' CAPS, LEATHER SHOES. Registered Feb. 16, 1926. DESMOND CLOTHING COMPANY. Renewed Feb. 16, 1946, to Desmond's, Inc., Los Angeles, Calif., a corporation of California. Class 39.

209,803. **"R C CO" ETC. AND DESIGN.** CIGARS. Registered Mar. 2, 1926. NICK RAFFAELE RENZE, doing business as Renze Cigar Co., Connellsville, Pa. Renewed Mar. 2, 1946. Class 17.

210,413. **CHECKERWELT.** WELTING FOR BOOTS AND SHOES. Registered Mar. 16, 1926. PERLEY E. BARBOUR, doing business as Barbour Welting Company, Montello Station, Brockton, Mass. Renewed Mar. 16, 1946, to Barbour Welting Company, Brockton, Mass., a copartnership. Class 39.

210,907. **DIANTHÉOL.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,910. **FLORENTINOL.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,911. **AROMANTHÈME.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,912. **MAÏALIS.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,913. **GRENADOL.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,914. **"CORALYS".** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,915. **"MOUSSAROME".** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,916. **SYLVESTRAL.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,917. **"CN CIE" IN A MONOGRAM AND A CIRCULAR DESIGN.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,918. **"CHIRONIAX".** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,919. **VIOLETTONE.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,920. **VIOLETTOL.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,922. **"CHEIRIA".** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,968. **OPOPANOL.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,971. **HÉLIOTROPOL.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

210,972. **OLNICERA.** ARTIFICIAL AND SYNTHETICAL PERFUMES AND ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES. Registered Mar. 30, 1926. M. NAEF & CIE. Renewed Mar. 30, 1946, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.

211,625. **REPRESENTATION OF A CLUSTER OF WHITE FLOWERS.** PREPARATION FOR THE INTERNAL TREATMENT OF COUGHS, COLDS, AND BRONCHITIS. Registered Apr. 13, 1926. GEORGE H. CENTER, Du Quoin, Ill. Renewed Apr. 13, 1946, to Frances Center Berdaniel, Cleveland, Ohio. Class 6.

212,636. **APARTMENT ELECTRIC.** ELECTRIC SEWING MACHINES. Registered May 11, 1926. FREE SEWING MACHINE COMPANY. Renewed May 11, 1946, to Free Sewing Machine Co., Rockford, Ill., a corporation of Illinois. Class 23.

213,642. **RED COLOR APPLIED TO THE HEAD PLATE OF A MOP.** MOPS AND HANDLES THEREFOR. Registered June 1, 1926. STOVER MANUFACTURING & ENGINE Co., Freeport, Ill. Renewed June 1, 1946, to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 29.

213,686. **"EMPIRE".** PLOWS, CULTIVATORS, HARROWS, HANDLES FOR AGRICULTURAL INSTRUMENTS, WEEDERS, GARDEN PLOWS, GARDEN CULTIVATORS, AND AGRICULTURAL STEEL SHAPES. Registered June 1, 1926. THE EMPIRE PLOW COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed June 1, 1946. Class 23.

213,715. **PROPIDEX.** POMATUM WITH A BASE OF PROPIDON VACCINE. Registered June 1, 1926. LES ETABLISSEMENTS POULENC FRERES. Renewed June 1, 1946, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France. Class 6.

213,716. **NARSENOL.** NOVARSENBENZOL IN TABLET FORM. Registered June 1, 1926. LES ETABLISSEMENTS POULENC FRERES. Renewed June 1, 1946, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France. Class 6.

213,717. **TECARINE.** THEOBROMINACETATE OF SODA. Registered June 1, 1926. LES ETABLISSEMENTS POULENC FRERES. Renewed June 1, 1946, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France. Class 6.

214,275. **HIGHWAY BUILDER.** MONTHLY MAGAZINE. Registered June 15, 1926. ASSOCIATED PENNSYLVANIA CONSTRUCTORS. Renewed June 15, 1946, to Associated Pennsylvania Constructors, Harrisburg, Pa., a corporation of Pennsylvania. Class 38.

214,464. **RED COLOR APPLIED TO THE SPINDLE OF A STOVE DAMPER.** STOVE DAMPERS AND SPINDLES THEREFOR. Registered June 22, 1926. STOVER MANUFACTURING & ENGINE Co., Freeport, Ill. Renewed June 22, 1946, to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 34.

214,551. **"D C" ETC. AND DESIGN.** MAIL CHUTES AND BOXES FOR BUILDINGS. Registered June 29, 1926. AMERICAN DEVICE MANUFACTURING COMPANY, St. Louis, Mo. Renewed June 29, 1946, to American Device Manufacturing Co., Red Bud, Ill., a corporation of Missouri. Class 2.

214,874. **THE METRONOME.** SEMI-MONTHLY MAGAZINE. Registered July 6, 1926. THE METRONOME PUBLISHING CO. INC. Renewed July 6, 1946, to Metronome Corporation, New York, N. Y., a corporation of New York. Class 38.

215,404. **CLIMAX.** ROAD-GRADING MACHINES, ROCK CRUSHERS, ELEVATORS, CONVEYERS, SCREENS, AND STONE BINS. Registered July 20, 1926. AMERICAN ROAD MACHINERY COMPANY, INC. Renewed July 20, 1946, to Good Roads Machinery Corporation, Kennett Square, Pa., a corporation of Pennsylvania. Class 23.

215,800. **"CRETEX" AND DESIGN.** REENFORCED SECTIONS FOR FORMING CULVERTS, SEWERS, AND DRAINS. Registered July 27, 1926. ELK RIVER CONCRETE PRODUCTS Co. Renewed July 27, 1946, to The Cretex Companies, Inc., Elk River, Minn., a corporation of Minnesota. Class 12.

216,009. **SONETTE.** LADIES' UNDERGARMENTS OF TEXTILE FABRICS. Registered Aug. 3, 1926. DAVIDSON BROTHERS. Renewed Aug. 3, 1946, to The Davidson Brothers Corp., New York, N. Y., a corporation of New York. Class 39.

216,046. **DU PONT TONTINE.** WINDOW-SHADE MATERIAL. Registered Aug. 3, 1926. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed Aug. 3, 1946. Class 42.

216,168. **PAY CAR.** OVERALLS AND WORK CLOTHES—VIZ. WORK PANTS, SHIRTS, AND JUMPERS. Registered Aug. 3, 1926. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Renewed Aug. 3, 1946, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Class 39.

216,198. **RED HEAD.** MOPS AND HANDLES THEREFOR. Registered Aug. 3, 1926. STOVER MANUFACTURING & ENGINE CO., Freeport, Ill. Renewed Aug. 3, 1946, to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 29.

216,274. **PAY CHECK.** OVERALLS AND WORK CLOTHES—VIZ, WORK PANTS, SHIRTS, AND JUMPERS. Registered Aug. 10, 1926. J. C. PENNEY COMPANY, Wilmington, Del. Renewed Aug. 10, 1946, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Class 39.

216,392. **"GOLDEN RULE" ETC. AND DESIGN.** CHINA DISHES. Registered Aug. 10, 1926. THE GOLDEN RULE, INCORPORATED, Columbus, Ohio, a corporation of Ohio. Renewed Aug. 10, 1946. Class 30.

216,523. **THE PYRATEX PANEL.** ADVERTISING DISPLAY SIGNS AND ART PANELS AND PICTURES COMPRISING A DISPLAY SURFACE PROTECTED BY A COATING OF TRANSPARENT MATERIAL OTHER THAN GLASS. Registered Aug. 10, 1926. PYRAGLASS PRODUCTS, INC. Reewed Aug. 10, 1946, to Pyraglass, Inc., Newburgh, N. Y., a corporation of New York. Class 50.

216,651. **"CHERRY" AND DESIGN.** PERFUMERY, TOILET LOTIONS, HAIR TONIC, FACE POWDER, BEAUTY CLAY; FACE, LIP, AND NAIL ROUGE; DEPILATORIES, HAND AND FACE CREAMS, AND EYEBROW PENCILS. Registered Aug. 17, 1926. ESTATE HENRY C. MINER, INC., New York, N. Y. Renewed Aug. 17, 1946, to Associated Products, Inc., Chicago, Ill., a corporation of Illinois. Class 6.

216,652. **"LA ROMAINE" AND DESIGN.** FACIAL CREAM, ASTRINGENT CREAM, ACNE CREAM, CLEANSING CREAM, HAIR TONIC, FACE LOTION, ASTRINGENT LOTION, FACE BLEACH, LIQUID POWDERS, BRILLIANTINE, NAIL CUTICLE, HAIR POMADE, AND NAIL BLEACH. Registered Aug. 17, 1926. ROMAINE M. PHILES, Washington, D. C. Renewed Aug. 17, 1946. Class 6.

216,734. **KISMET.** WINE. Registered Aug. 17, 1926. EMPIRE STATE WINE COMPANY. Renewed Aug. 17, 1946, to R. C. Williams Wineries, Inc., Penn Yan, N. Y., a corporation of New York. Class 47.

216,805. **ARTIC GAS.** FLUIDS USED IN REFRIGERATION. Registered Aug. 24, 1926. THE ROESSLER & HASSLACHER CHEMICAL COMPANY, New York, N. Y. Renewed Aug. 24, 1946, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 6.

217,032. **REPRESENTATION OF BLUE DIAGONAL STRIPES ON BAG.** POULTRY FEED. Registered Aug. 24, 1926. THE QUAKER OATS COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed Aug. 24, 1946. Class 46.

217,139. **"RED SPINDLE".** STOVE DAMPERS AND SPINDLES THEREFOR. Registered Aug. 24, 1926. STOVER MANUFACTURING & ENGINE CO., Freeport, Ill. Renewed Aug. 24, 1946, to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 34.

217,148. **"GOLDEN RULE" ETC. AND DESIGN.** WOOL BLANKETS. Registered Aug. 24, 1926. THE GOLDEN RULE, INCORPORATED, Columbus, Ohio, a corporation of Ohio. Renewed Aug. 24, 1946. Class 42.

217,266. **MARVELUBE.** REFINED, SEMIREFINED, AND UNREFINED OILS, GREASES, AND OTHER PRODUCTS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, AND MINERAL SUBSTANCES, FOR LUBRICATING AND SIMILAR PURPOSES. Registered Aug. 31, 1926. IMPERIAL OIL LTD., Toronto, Ontario, Canada, a corporation of Canada. Renewed Aug. 31, 1946. Class 15.

217,569. **NEW PROCESS.** WHEAT FLOUR. Registered Sept. 7, 1926. THE KIRK MILLING COMPANY, Findlay, Ohio, a corporation of Ohio. Renewed Sept. 7, 1946. Class 46.

217,574. **ROMEAGLE.** WOOD AND COAL STOVES AND RANGES. Registered Sept. 7, 1926. EAGLE STOVE WORKS, Rome, Ga., a corporation of Georgia. Renewed Sept. 7, 1946. Class 34.

217,610. **"RICHFIELD" AND DESIGN.** BUTTER. Registered Sept. 7, 1926. HARROW-TAYLOR BUTTER COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed Sept. 7, 1946. Class 46.

217,651. **AUTUMN BLOOM.** KNITTED PIECE GOODS COMPOSED OF SILK, RAYON, COTTON, WOOL, WORSTED, AND COMBINATIONS THEREOF. Registered Sept. 7, 1926. I. A. WYNER & CO., INC., New York, N. Y., a corporation of New York. Renewed Sept. 7, 1946. Class 42.

217,786. **REFRACTICON.** PRISMATIC GLASS GLOBES, REFLECTORS, AND PLATES. Registered Sept. 7, 1926. HOLOPHANE GLASS COMPANY, INC. Renewed Sept. 7, 1946, to Holophane Company, Inc., New York, N. Y., a corporation of Delaware. Class 33.

218,273. **LOVE-KNOT.** KNITTED PIECE GOODS COMPOSED OF SILK, RAYON, COTTON, WOOL, WORSTED, AND COMBINATIONS THEREOF. Registered Sept. 21, 1926. I. A. WYNER & CO., INC., New York, N. Y., a corporation of New York. Renewed Sept. 21, 1946. Class 42.

218,528. **DR. DAVIS' NIGHT AND DAY.** HAIRDRESSING. Registered Sept. 28, 1926. NIGHT & DAY CHEMICAL COMPANY, Water Valley, Miss. Renewed Sept. 28, 1946, to Night & Day Chemical Company, Memphis, Tenn., a firm. Class 6.

218,568. **NURSERY.** INFANTS' HOSIERY. Registered Sept. 28, 1926. DIXIE HOSIERY MILLS, INC., Fort Worth, Tex. Renewed Sept. 28, 1946, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Class 39.

218,610. **"BEN MONT" AND DESIGN.** WAX PAPER, WAX LUNCH ROLLS, DRY AND WAXED SHREDDED PAPER, AND SHELF PAPER. Registered Sept. 28, 1926. BENNINGTON WAX PAPER COMPANY. Renewed Sept. 28, 1946, to Ben-Mont Papers, Inc., Bennington, Vt., a corporation of Vermont. Class 37.

218,611. **"BEN MONT" AND DESIGN.** WAX PAPER, WAX LUNCH ROLLS, DRY AND WAXED SHREDDED PAPER, CHRISTMAS WRAPPING PAPER, AND SHELF PAPER. Registered Sept. 28, 1926. BENNINGTON WAX PAPER COMPANY. Renewed Sept. 28, 1946, to Ben-Mont Papers, Inc., Bennington, Vt., a corporation of Vermont. Class 37.

218,612. **"BEN MONT" AND DESIGN.** WAX PAPER, WAX LUNCH ROLLS, DRY AND WAX SHREDDED PAPER, CHRISTMAS WRAPPING PAPER, AND SHELF PAPER. Registered Sept. 28, 1926. BENNINGTON WAX PAPER COMPANY. Renewed Sept. 28, 1946, to Ben-Mont Papers, Inc., Bennington, Vt., a corporation of Vermont. Class 37.

218,613. **"BEN MONT" AND DESIGN.** WAX PAPER, WAX LUNCH ROLLS, DRY AND WAXED SHREDDED PAPER, CHRISTMAS WRAPPING PAPER, AND SHELF PAPER. Registered Sept. 28, 1926. BENNINGTON WAX PAPER COMPANY. Renewed Sept. 28, 1946, to Ben-Mont Papers, Inc., Bennington, Vt., a corporation of Vermont. Class 37.

218,840. **"BON AMI" AND DRAWING.** SCOURING SOAP IN CAKE AND POWDERED FORM. Registered Oct. 5, 1926. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Renewed Oct. 5, 1946. Class 4.

218,946. **LITTLE CUESTAS.** CIGARS. Registered Oct. 5, 1926. CUESTA, REY & COMPANY, Tampa, Fla., a corporation of Florida. Renewed Oct. 5, 1946. Class 17.

219,107. **TILE-TEX.** TILE FLOORING. Registered Oct. 12, 1926. FLEXIBLE SLATE PRODUCTS CO. Renewed Oct. 12, 1946, to The Tile-Tex Company, Chicago Heights, Ill., a corporation of Illinois. Class 12.

219,155. **"STERLING TAILORING CO." AND DESIGN.** MEN'S OUTER WEARING APPAREL—NAMELY, COATS, VESTS, TROUSERS, SUITS, OVERCOATS, AND TOPCOATS. Registered Oct. 12, 1926. KAHN TAILORING CO., doing business as Sterling Tailoring Company, Indianapolis, Ind., a corporation of Indiana. Renewed Oct. 12, 1946. Class 39.

219,157. **STANOCO.** CERTAIN NAMED OILS AND GREASES FOR ILLUMINATING, BURNING, POWER, SOLVENT, FUEL, AND LUBRICATING PURPOSES. Registered Oct. 12, 1926. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed Oct. 12, 1946, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware. Class 15.

219,350. **STERLING £.** MEN'S OUTER WEARING APPAREL—NAMELY, COATS, VESTS, TROUSERS, SUITS, OVERCOATS, AND TOPCOATS. Registered Oct. 19, 1926. KAHN TAILORING CO., doing business as Sterling Tailoring Company, Indianapolis, Ind., a corporation of Indiana. Renewed Oct. 19, 1946. Class 39.

219,369. **CITRONEIGE.** CERTAIN TOILET PREPARATIONS. Registered Oct. 19, 1926. SOCIETE FRANCAISE DES PRODUITS DE BEAUTE, Paris, France, a corporation of France. Renewed Oct. 19, 1946. Class 6.

219,460. **GOLDFISH.** MARMALADE IN GLASS CONTAINERS. Registered Oct. 19, 1926. ALEXANDER CAIRNS & SONS, LIMITED, London, England, and Dundee, Scotland. Renewed Oct. 19, 1946, to The Crosse & Blackwell Company, Baltimore, Md., a corporation of Maryland. Class 46.

219,556. **CROUTONS.** CANDY. Registered Oct. 19, 1926. NORRIS INC., Atlanta, Ga. a corporation of Georgia. Renewed Oct. 19, 1946. Class 46.

219,573. **SUPER-FAT.** POULTRY FEED. Registered Oct. 19, 1926. UNIVERSAL MILLS, Fort Worth, Tex., a corporation of Texas. Renewed Oct. 19, 1946. Class 46.

219,624. **JAUNTÉE.** LADIES' AND MISSES' HATS. Registered Oct. 19, 1926. SIMON MILLINERY SUPPLY CO. Renewed Oct. 19, 1946, to Simon Millinery Company, San Francisco, Calif., a corporation of California. Class 39.

219,660. **EVERLASTO.** CERTAIN ARTICLES OF CLOTHING. Registered Oct. 19, 1926. DAVID H. POSNER, INC., Boston, Mass., a corporation of Massachusetts. Renewed Oct. 19, 1946. Class 39.

219,763. **BARS AND CIRCLE.** CERTAIN NAMED OILS AND GREASES FOR ILLUMINATING, BURNING, POWER, SOLVENT, FUEL, AND LUBRICATING PURPOSES. Registered Oct. 26, 1926. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J., and New York, N. Y. Renewed Oct. 26, 1946, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware. Class 15.

219,790. **WHIPPET.** PASSENGER-CARRYING AUTOMOBILES. Registered Oct. 26, 1926. THE WILLYS-OVERLAND COMPANY. Renewed Oct. 26, 1946, to The Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware. Class 19.

219,828. **G. W. H.** CANNED FRUIT—NAMELY, APRICOTS, PEARS, PEACHES; CANNED VEGETABLES—NAMELY, ASPARAGUS, SPINACH. Registered Oct. 26, 1926. G. W. HUME COMPANY, San Francisco, Calif., a corporation of California. Renewed Oct. 26, 1946. Class 46.

219,837. **BONDCOAT.** READY-MIXED PAINT. Registered Oct. 26, 1926. BRADLEY & VROOMAN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 26, 1946. Class 16.

219,910. **MAPCO.** CERTAIN NAMED IGNITION AND OTHER ELECTRICAL PARTS FOR MOTOR VEHICLES. Registered Oct. 26, 1926. THE MACHINED PARTS CORPORATION, Detroit, Mich., a corporation of Michigan. Renewed Oct. 26, 1946. Class 21.

219,930. **"LINCOLN" AND DRAWING.** ALIMENTARY PASTES — NAMELY, MACARONI, SPAGHETTI, NOODLES, VERMICELLI. Registered Oct. 26, 1926. PETER ROSSI & SONS, INC., Braidwood, Ill., a corporation of Illinois. Renewed Oct. 26, 1946. Class 46.

220,048. **"THE OLD COLONY" ETC.** LEATHER BOOTS AND SHOES. Registered Nov. 2, 1926. OLD COLONY SHOE COMPANY, Brockton, Mass., a corporation of Massachusetts. Renewed Nov. 2, 1946. Class 39.

220,151. **BEST'S INSURANCE NEWS.** MONTHLY PUBLICATION OF WHICH THERE ARE THREE SEPARATE EDITIONS—NAMELY, A FIRE AND MARINE EDITION, A CASUALTY, SURETY, AND MISCELLANEOUS EDITION AND A LIFE EDITION. Registered Nov. 2, 1926. ALFRED M. BEST COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Nov. 2, 1946. Class 38.

220,169. **FORTUNA.** CHEESE. Registered Nov. 2, 1926. GERBER & CO., INC., New York, N. Y., a corporation of New York. Renewed Nov. 2, 1946. Class 46.

220,191. **REPRESENTATION OF A BEEHIVE AND BEES ETC.** CANDY. Registered Nov. 2, 1926. SCHUTTER-JOHNSON CANDY CO. Renewed Nov. 2, 1946, to The Universal Match Corporation, doing business as Schutter Candy Division, Chicago, Ill., a corporation of Delaware. Class 46.

220,284. **TUF-TEX.** WOVEN-WIRE SCREEN CLOTH. Registered Nov. 9, 1926. THE W. S. TYLER COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 9, 1946. Class 13.

220,340. **"LOVELY DAME" ETC. AND DRAWING.** CANDY. Registered Nov. 9, 1926. FLOYD W. AHALT, doing business as Lovely Dame Candy Shop, Hagerstown, Md. Renewed Nov. 9, 1946. Class 46.

220,353. **REPRESENTATION OF A HAND AND SOLE OF A FOOT.** ARCH SUPPORTS. Registered Nov. 9, 1926. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Renewed Nov. 9, 1946. Class 44.

220,370. **NON-AKE.** MEDICINAL PREPARATION FOR THE RELIEF OF TOOTHACHE. Registered Nov. 9, 1926. S. PFEIFFER MFG. CO., St. Louis, Mo., a corporation of Missouri. Renewed Nov. 9, 1946. Class 6.

220,426. **"SHADOWEIGHT GREENTREE'S AND DESIGN.** MEN'S AND BOYS' SUITS, TOPCOATS, RAINCOATS, SPORT COATS, SWEATERS, KNICKERS; DRESS, NEGLIGEE, AND WORK SHIRTS; KNITTED AND TEXTILE UNDERWEAR, HATS, CAPS; AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered Nov. 9, 1926. MEYER GREENTREE, Richmond, Va., a firm. Renewed Nov. 9, 1946. Class 39.

220,536. **ACTION BOND.** BOND AND LEDGER PAPER. Registered Nov. 9, 1926. CROCKER-MCELWAIN COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed Nov. 9, 1946. Class 37.

220,648. **HOME.** SALT, LAUNDRY STARCH, BORAX, SODA, CREAM TARTAR, BLUING, AND VEGETABLE COLORING EXTRACTS. Registered Nov. 16, 1926. GRIGGS, COOPER & COMPANY. Renewed Nov. 16, 1946, to Griggs, Cooper & Company, St. Paul, Minn., a corporation of Delaware. Classes 6 and 46.

220,649. **PALBROOK.** CERTAIN NAMED CLOTHING FOR MEN, BOYS, WOMEN, AND GIRLS. Registered Nov. 16, 1926. THE PALACE CLOTHING COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed Nov. 16, 1946. Class 39.

220,684. **"R & B CRESCA" AND DRAWING.** FRENCH CRACKERS, SKINLESS PRESERVED FIGS, FRUIT JELLY, SHRIMPS IN CANS, PLUM PUDDING, CHOCOLATE IN CAKES AND TINS, SAUCE A LA NEWBURG, GRILLED MUSHROOMS, AND DRIED MUSHROOMS. Registered Nov. 16, 1926. CRESCA COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Nov. 16, 1946. Class 46.

220,685. **REPRESENTATION OF AN EAGLE ETC.** SLICING MACHINERY. Registered Nov. 16, 1926. AMERICAN SLICING MACHINE COMPANY, Chicago, Ill., a corporation of New York. Renewed Nov. 16, 1946. Class 23.

220,687. **"TORIDHEET" AND DESIGN.** OIL-BURNING EQUIPMENT FOR HEATING PLANTS. Registered Nov. 16, 1926. THE CLEVELAND UNIVERSAL PARTS COMPANY. Renewed Nov. 16, 1946, to The Cleveland Steel Products Corporation, Cleveland, Ohio, a corporatoin of Ohio. Class 34.

220,771. **BRUNSWICK.** MACHINES OF THE RECORD TYPE FOR REPRODUCING SOUND ELECTRICALLY. Registered Nov. 16, 1926. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Renewed Nov. 16, 1946, to Brunswick Radio Corporation, Wilmington, Del., and New York, N. Y., a corporation of Delaware. Class 36.

220,773. **SOUNDREST.** MATTRESSES CONSISTING OF TICKING STUFFED WITH HAIR, MOSS, OR OTHER SUITABLE MATERIAL AND TUFTED OR OTHERWISE FASTENED. Registered Nov. 16, 1926. S. G. KRUPKA CO. INC. Renewed Nov. 16, 1946, to Ostermoor & Company Inc., Bridgeport, Conn., a corporation of New York. Class 32.

220,778. **ED. PINAUD.** CERTAIN NAMED TOILET PREPARATIONS. Registered Nov. 16, 1926. PINAUD INCORPORATED, New York, N. Y., a corporation of New York. Renewed Nov. 16, 1946. Class 6.

220,780. **"CON-O-WA-GO".** CERTAIN NAMED TWINES, HEMP TARRED GOODS, JUTE TARRED GOODS, AND TUBE ROPE. Registered Nov. 16, 1926. HANOVER CORDAGE COMPANY, Hanover, Pa., a corporation of Pennsylvania. Renewed Nov. 16, 1946. Class 7.

220,782. **PAMUNKEY.** CANNED FRUITS AND VEGETABLES. Registered Nov. 16, 1926. HENRY PORTERFIELD TAYLOR, JR., Richmond, Va. Renewed Nov. 16, 1946, to Taylor & Caldwell, Inc., Walkerton, Va., a corporation of Virginia. Class 46.

220,787. **C-K CO.** GAS HOLDERS, SHELLS, AND TANKS. Registered Nov. 16, 1926. CRUSE-KEMPER COMPANY, Ambler and Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 16, 1946. Class 2.

220,834. **TRISENA.** CERTAIN NAMED TOILET PREPARATIONS, INCENSE, ESSENTIAL OILS USED IN THE PRODUCTION OF PERFUMES, STARCHES AND STARCH PREPARATIONS FOR LAUNDRY USE, DISINFECTANTS, DYES, RUST PREVENTIVES, AND PREPARATIONS FOR BLEACHING. Registered Nov. 16, 1926. LUDWIG SCHERK, doing business as Parfümerie Scherk, Berlin, Germany. Renewed Nov. 16, 1946, to Ludwig Scherk, Inc., Brooklyn, N. Y., a corporation of New York. Class 6.

220,835. **ARABISCHE NÄCHTE.** CERTAIN NAMED COSMETICS AND TOILET PREPARATIONS; ETHEREAL OILS USED IN THE MANUFACTURE OF PERFUMES; INCENSE, DISINFECTANTS, PREPARATIONS FOR BLEACHING, STARCHES AND STARCH PREPARATIONS FOR LAUNDRY USE, DYES, AND RUST PREVENTIVES. Registered Nov. 16, 1926. LUDWIG SCHERK, doing business as Parfümerie Scherk, Berlin, Germany. Renewed Nov. 16, 1946, to Ludwig Scherk, Inc., Brooklyn, N. Y., a corporation of New York. Class 6.

220,858. **NUTTY NICK.** CANDY. Registered Nov. 16, 1926. SCHUTTER-JOHNSON CANDY COMPANY. Renewed Nov. 16, 1946, to The Universal Match Corporation, doing business as Schutter Candy Division, Chicago, Ill., a corporation of Delaware. Class 46.

220,876. **BRIZA.** CERTAIN NAMED COSMETICS AND TOILET PREPARATIONS; ESSENTIAL OILS USED IN THE MANUFACTURE OF PERFUMES; DISINFECTANTS, INCENSE, STARCHES AND STARCH PREPARATIONS FOR LAUNDRY USES, RUST PREVENTIVES, DYES, AND PREPARATIONS FOR BLEACHING. Registered Nov. 16, 1926. LUDWIG SCHERK, doing business as Parfümerie Scherk, Berlin, Germany. Renewed Nov. 16, 1946, to Ludwig Scherk, Inc., Brooklyn, N. Y., a corporation of New York. Class 6.

220,881. **ASCO.** CERTAIN NAMED STEEL BOXES AND CASES AND STEEL TILLS AND TRAYS. Registered Nov. 16 1926. ART STEEL CO. INC., New York, N. Y., a corporation of New York. Renewed Nov. 16, 1946. Class 2.

220,902. **SANTOCHLOR.** INSECTICIDES. Registered Nov. 16, 1926. MONSANTO CHEMICAL WORKS. Renewed Nov. 16, 1946, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware. Class 6.

220,903. **PARIS.** CANNED VEGETABLES. Registered Nov. 16, 1926. BURNHAM & MORRILL COMPANY, Portland, Maine, a corporation of Maine. Renewed Nov. 16, 1946. Class 46.

220,905. **"SCARBORO BEACH" AND DRAWING.** CANNED CLAMS, CLAM CHOWDER, AND CLAM BOUILLON. Registered Nov. 16, 1926. BURNHAM & MORRILL COMPANY, Portland, Maine, a corporation of Maine. Renewed Nov. 16, 1946. Class 46.

220,929. **PAN-DAN-LID.** HARVEST, OUTING, AND SPORT HATS FOR MEN, WOMEN, AND CHILDREN. Registered Nov. 16, 1926. SUPERIOR HAT CO., St. Louis, Mo., a corporation of Missouri. Renewed Nov. 16, 1946. Class 39.

220,939. **POWHATAN.** CANNED FRUITS AND VEGETABLES. Registered Nov. 16, 1926. HENRY PORTERFIELD TAYLOR, JR. Renewed Nov. 16, 1946, to Taylor & Sledd, Inc., Richmond, Va., a corporation of Virginia. Class 46.

220,940. **MATTAPONI.** CANNED FRUITS AND VEGETABLES. Registered Nov. 16, 1926. HENRY PORTERFIELD TAYLOR, JR., Richmond, Va. Renewed Nov. 16, 1946, to Taylor & Caldwell, Inc., Walkerton, Va., a corporation of Virginia. Class 46.

220,983. **CELANOL.** YARNS AND THREADS OF CERTAIN NAMED MATERIALS. Registered Nov. 23, 1926. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY LTD. Renewed Nov. 23, 1946, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Class 43.

220,986. **ANTINEA.** PILE-FABRIC PIECE GOODS. Registered Nov. 23, 1926. J. B. MARTIN COMPANY, Norwich, Conn., a corporation of Delaware. Renewed Nov. 23, 1946. Class 42.

221,007. **"GOODWILL SAVINGS BANK" AND DRAWING.** SHOES, SLIPPERS, AND BOOTS MADE OF CERTAIN MATERIALS FOR MEN, WOMEN, OR CHILDREN. Registered Nov. 23, 1926. ARTHUR A. WILLIAMS, doing business as Goodwill Shoe Company. Renewed Nov. 23, 1946, to Goodwill Shoe Company, Holliston, Mass., a corporation of Massachusetts. Class 39.

221,042. **"CHALLENGE" AND DESIGN.** BUTTER, EGGS, AND CHEESE. Registered Nov. 23, 1926. CHALLENGE CREAM & BUTTER ASSOCIATION, Los Angeles, Calif., a corporation of California. Renewed Nov. 23, 1946. Class 46.

221,046. **GOLDENCROM.** FULL GRAINED AND BUFFED SOLE LEATHER. Registered Nov. 23, 1926. ALPENA LEATHER CORPORATION, Buffalo, N. Y. Renewed Nov. 23, 1946, to J. Greenebaum Tanning Co., Chicago, Ill., a corporation of Illinois. Class 1.

221,068. **TOBACCO-TAINER.** TOBACCO POUCHES. Registered Nov. 23, 1926. BUXTON, INCORPORATED, Springfield, Mass., a corporation of Massachusetts. Renewed Nov. 23, 1946. Class 8.

221,077. **"STEER" AND DRAWING.** COTTONSEED MEAL, AND COTTONSEED HULLS. Registered Nov. 23, 1926. TEXARKANA COTTON OIL CO., Texarkana, Ark., a corporation of Louisiana. Renewed Nov. 23, 1946. Class 46.

221,113. **LAKME.** PILE-FABRIC PIECE GOODS. Registered Nov. 23, 1926. J. B. MARTIN COMPANY, Norwich, Conn., a corporation of Delaware. Renewed Nov. 23, 1946. Class 42.

221,122. **LA SOIRÉE.** TALCUM POWDER, FACE POWDER, BATH SALTS, SACHET, TOOTH POWDER, ALMOND MEAL, HEADACHE COLOGNE, SMELLING SALTS, VANISHING CREAM, COLD CREAM, TOOTH PASTE, PERFUME, LIP ROUGE, BATH POWDER, TOILET CERATE, TOILET WATER, AND SKIN AND TISSUE CREAM. Registered Nov. 23, 1926. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed Nov. 23, 1946. Class 6.

221,123. **DINORAH.** PILE-FABRIC PIECE GOODS. Registered Nov. 23, 1926. J. B. MARTIN COMPANY, Norwich, Conn., a corporation of Delaware. Renewed Nov. 23, 1946. Class 42.

221,180. **INTENSO-WITE.** SEMIPASTE PAINT. Registered Nov. 23, 1926. PATEK BROTHERS, INC., Milwaukee, Wis., a corporation of Wisconsin. Renewed Nov. 23, 1946. Class 16.

221,185. **MAT-TEX.** PLASTIC OIL PAINT. Registered Nov. 23, 1926. PATEK BROTHERS, INC., Milwaukee, Wis., a corporation of Wisconsin. Renewed Nov. 23, 1946. Class 16.

221,212. **BLACK STAR.** COAL. Registered Nov. 23, 1926. BLACK STAR COAL COMPANY. Renewed Nov. 23, 1946, to Black Star Coal Corporation, Louisville, Ky., a corporation of Delaware. Class 1.

221,217. **"REGOLAC".** CERTAIN PAINTS AND PAINTERS' MATERIALS. Registered Nov. 23, 1926. TITANINE, INC., Union, N. J., a corporation of New York. Renewed Nov. 23, 1946. Class 16.

221,245. **"PYROSAN" AND DESIGN.** TABLETS FOR THE RELIEF OF INDIGESTION. Registered Nov. 23, 1926. K. A. HUGHES COMPANY, Boston, Mass., a corporation of Maine. Renewed Nov. 23, 1946. Class 6.

221,247. **CELANOL.** MEN'S HALF HOSE. Registered Nov. 23, 1926. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY LTD. Renewed Nov. 23, 1946, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Class 39.

221,254. **HOFF-LITE.** DRY, PASTE, AND READY-MIXED PAINTS AND VARNISHES. Registered Nov. 23, 1926. THE HOFFMAN WALL PAPER CO., INC., doing business as Hoff-Lite Paint Works, Hartford, Conn., a corporation of Connecticut. Renewed Nov. 23, 1946. Class 16.

221,261. **CHOCOLATE FONDEES.** CANDY. Registered Nov. 23, 1926. HUYLER'S, New York, N. Y. Renewed Nov. 23, 1946, to Huyler's, Long Island City, New York, a corporation of New York. Class 46.

221,262. **MATTVAR.** VARNISH. Registered Nov. 23, 1926. PATEK BROTHERS, INC., Milwaukee, Wis., a corporation of Wisconsin. Renewed Nov. 23, 1946. Class 16.

221,265. **PAT-LAC.** LACQUERS. Registered Nov. 23, 1926. PATEK BROTHERS, INC., Milwaukee, Wis., a corporation of Wisconsin. Renewed Nov. 23, 1946. Class 16.

REISSUES

OCTOBER 29, 1946

22,806

WITHDRAWN

22,807

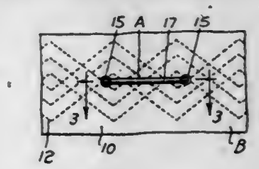
FLEXIBLE MATTRESS HANDLE

Michael Bechik, St. Paul, Minn.

Original No. 2,248,328, dated July 8, 1941, Serial No. 274,586, May 19, 1939. Application for reissue October 15, 1941, Serial No. 415,849

6 Claims. (Cl. 16—125)

1. A mattress handle comprising a resilient reinforcing bar designed to overlie the inner surface of a mattress wall, a pair of grommets extending through said bar and said mattress wall to hold said bar to said mattress wall, a flexible handle cord stretched taut by the resilience of said bar overlying the outer surface of the mattress wall between said openings and having ends extending through said openings, and anchoring means on



the ends of said flexible handle of elongated form capable of passing through said grommets longitudinally but too long to pass through said grommets transversely.

PLANT PATENTS

GRANTED OCTOBER 29, 1946

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

714

CHRYSANTHEMUM PLANT

Emil Prushek, Berrien Springs, Mich., assignor to C. J. Dunn, Benton Harbor, Mich.

Application November 26, 1945, Serial No. 630,750

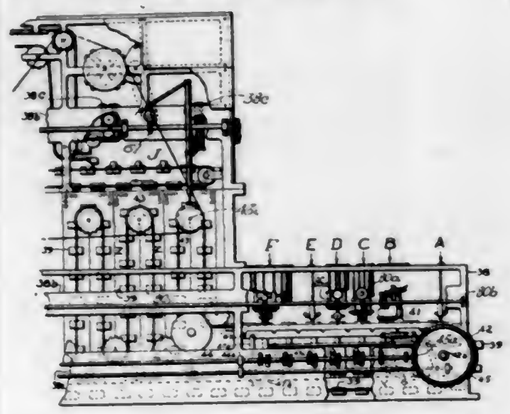
1 Claim. (Cl. 47—60)

A new and distinct variety of chrysanthemum plant, characterized by its abundance of soft, Deep Mallow colored blossoms of pompon form; the uniformity and permanence of its color; its double, compact petalage; its long, sturdy flower and leaf stalks; its compact cushion-type of bush form; vigorous and hardy plant growth; its progressive succession of bush-covering blooms; and its resistance to disease and weather conditions, substantially as shown and described.

PATENTS

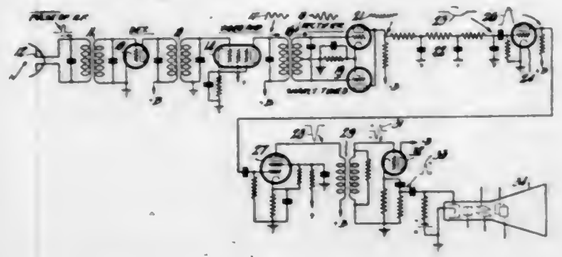
GRANTED OCTOBER 29, 1946

2,409,999
APPARATUS FOR PRODUCING POTTERY WARE
William J. Miller, Pittsburgh, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Original application March 29, 1935, Serial No. 13,683. Divided and this application August 18, 1945, Serial No. 611,367
30 Claims. (Cl. 25—22)



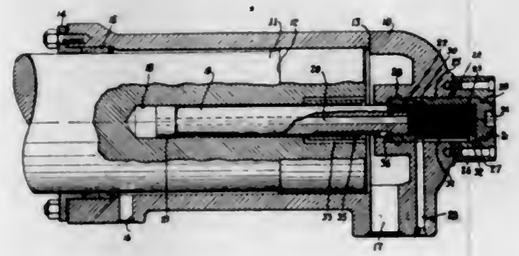
1. Apparatus for manufacturing dinnerware and the like, comprising a support for carrying molds through a fabricating zone, means for forming ware on said molds in said zone, and a mold conveyor formed for depositing empty molds directly on said support and removing loaded molds directly therefrom and carrying them away.

2,410,000
PULSE SELECTIVITY SYSTEM
Earl I. Anderson, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 18, 1943, Serial No. 510,776
5 Claims. (Cl. 250—20)



1. In a receiver for receiving pulses of energy which are of short duration compared with the period between successive pulses, a detector for converting said received pulses to video frequency electrical pulses, a circuit that is tuned to a frequency that is high as compared with the repetition frequency of said video frequency pulses, means for applying said video frequency pulses to said tuned circuit, means for rectifying and integrating the resulting damped sine waves appearing across said tuned circuit whereby broad pulses are obtained, means for amplifying said broad pulses, and means for obtaining from each broad pulse a narrow pulse corresponding to the pulse applied to said tuned circuit.

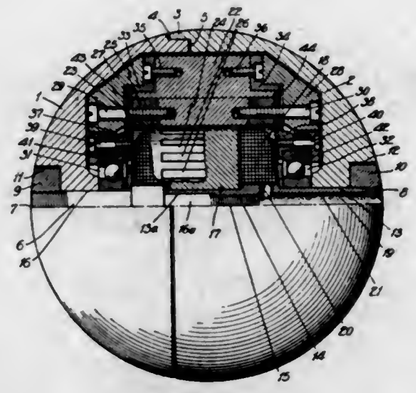
2,410,001
BOOSTER RAM CONSTRUCTION
Bernard D. Ashbaugh, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application June 16, 1944, Serial No. 540,703
1 Claim. (Cl. 60—97)



In combination, in a fluid operable motor, a cylinder, a main plunger reciprocably mounted therein and having a fluid operable advancing area, a bore in said plunger, an auxiliary plunger extending into said bore, a bore extending through said auxiliary plunger, an externally threaded end on said plunger, a sleeve rotatably mounted in said cylinder and having its bore threaded for engaging the threaded end of said plunger, means for preventing rotation of said plunger while permitting the axial movement thereof, means for permitting rotation of said sleeve while preventing axial movement thereof, said sleeve being completely within the confines of said cylinder and having its outer end closed, a shaped recess in said outer end, an aperture in the end of said cylinder adjacent said recess through which access may be had to the latter for adjusting said sleeve, a first inlet portion in said cylinder in continuous fluid communication with the advancing area of said main plunger, a second inlet port in said cylinder, channel means continuously connecting said second inlet port with the chamber defined by said auxiliary plunger and the bore in said main plunger, said channel means including an annular external groove in said sleeve in communication with said second inlet port, a port extending through the peripheral wall of said sleeve and in continuous communication with said bore in said auxiliary plunger, a groove in said sleeve connecting said last mentioned port with said annular external groove, and means operable in response to a predetermined advancing movement of said main plunger relative to said auxiliary plunger for effecting fluid communication between said chamber and said advancing area of said main plunger.

2,410,002
GYROSCOPE
Adolf Bach, Berlin-Spandau, Germany; vested in the Alien Property Custodian
Application May 7, 1941, Serial No. 392,246
In Germany July 31, 1939
8 Claims. (Cl. 172—36)

1. A gyroscopic element, particularly for gyro indicators for aircraft or watercraft, comprising a gyro rotor, a spherical casing enclosing said rotor, said casing being composed of a plurality of spherical sections, and a bracing member located entirely within and extending diametrically



through the space enclosed by the casing periphery, said sections being secured to said bracing member, and said bracing member forming also an axle for said gyro rotor.

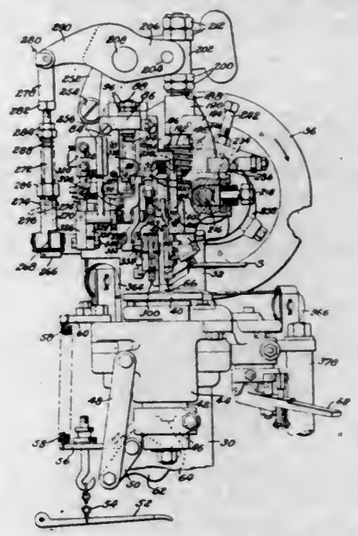
2,410,003
SPIRAL CUTTER FOR ROTARY PLOWS
John Peter Bagan, Portland, Oreg., assignor of one-third to Anthony R. Wanezek, Marshfield, Oreg.
Original application April 29, 1940, Serial No. 332,220. Divided and this application February 14, 1944, Serial No. 522,320
3 Claims. (Cl. 97—41)



1. In a rotary spiral plow adapted for tractor operation comprising a frame, wheel supports for the frame, a spiral cutter mounted for rotation on a substantially horizontal axis on said frame, means for coupling said frame to a tractor to propel the same and means for coupling said spiral cutter to a power take off of said tractor to rotate the same, said cutter comprising a straight unitary axial member and two helicoidal blade members of substantially equal and opposite pitch and length mounted substantially end to end on said axial member, each of said blade members comprising an inner right helicoidal portion and an outer oblique helicoidal portion extending outwardly from the outer edge of said inner right helicoidal portion, said portions being of substantially the same uniform thickness and each surface of each blade member being substantially continuous.

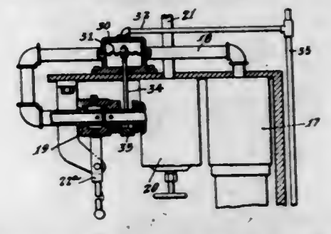
2,410,004
INSOLE MACHINE
Frederic E. Bertrand, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 15, 1945, Serial No. 572,890
53 Claims. (Cl. 12—17)

1. In a machine for applying ribbed strips to insoles, means for supporting and feeding the insole, means including a guide for feeding the



strip, and means carried by the guide for slashing the strip.

2,410,005
FLAME HEATING APPARATUS
James O. Bishop, Torrance, and Lloyd L. Babcock, Compton, Calif., assignors to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 3, 1940, Serial No. 350,196. Divided and this application March 6, 1943, Serial No. 478,256
5 Claims. (Cl. 158—27.4)

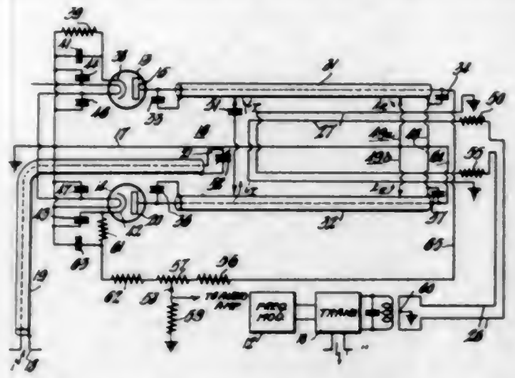


1. In a device of the class described, the combination of a torch having a first passageway for combustible gas and a second passageway for the circulation of a coolant, means including a valve for selectively admitting combustible gas to said first passageway, means for actuating the valve to open position, a conduit for delivering a coolant under pressure to said second passageway, and means including a diaphragm actuated by pressure in said conduit adapted to hold the valve actuating means from operation of the valve toward open position until the pressure in said conduit reaches a predetermined value.

2,410,006
BALANCED DETECTOR FOR ALTIMETERS
Daniel Blitz, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1944, Serial No. 538,052
5 Claims. (Cl. 250—27)

1. In combination, a balanced circuit comprising a tuned line, a two-wire line for supplying signal from a signal source to said tuned line, said two-wire line being grounded adjacent to said signal source at substantially the electrical midpoint of said two-wire line, and means for coupling said two-wire line to said tuned line, said means comprising a double inductive loop coupled to said tuned line, said double loop having two sides that are adjacent to the two con-

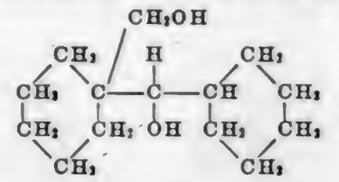
ductors, respectively, of said tuned line, the midpoint of said double loop being grounded whereby each side of said double loop includes conductors



that carry the current flow of each of the conductors of said two-wire line so that any coupling due to unequal current flow in opposite sides of said two-wire line is balanced out.

2,410,007
1-METHYLOLCYCLOHEXYL-CYCLOHEXYL-CARBINOL
Joseph E. Bludworth and Donald P. Easter, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 22, 1944, Serial No. 519,352
1 Claim. (Cl. 260—617)

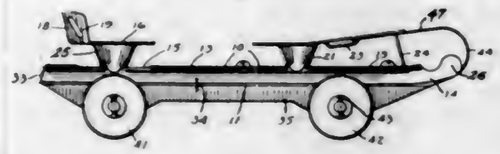
1-methylolcyclohexyl-cyclohexyl-carbinol:



2,410,008
CHEMICAL COMPOUNDS
Joseph E. Bludworth and Donald P. Easter, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 22, 1944, Serial No. 519,353
1 Claim. (Cl. 260—475)

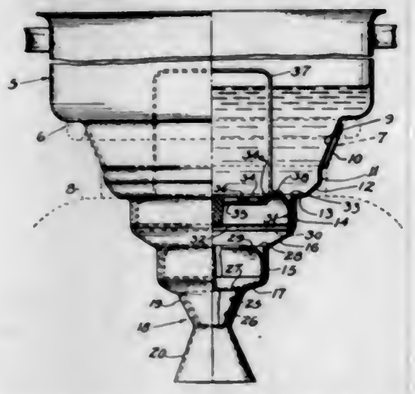
Di-β-hexahydrobenzyloxyethyl-phthalate.

2,410,009
ROLLER SKATE STRUCTURE
Stanley W. Blumm, Marathon, N. Y.
Application July 26, 1945, Serial No. 607,183
7 Claims. (Cl. 280—7.13)



1. A convertible ice and roller skate assembly embodying mated components of which one such comprises a unitary chassis provided with a pair of laterally spaced roller carrying axles that are bridged by a saddle ridge member, and the other component comprises a semitubular runner mounting a heel and a sole plate thereon and further includes bifurcated parallel blade edges lying wholly above the respective axle centers and between which said runner is longitudinally socketed to nest said ridge therein when assembled in superimposed relationship, and means for severably coupling said nested components.

2,410,010
MILK STRAINER
David O. Brant, Beverly Hills, Calif.
Application November 15, 1943, Serial No. 510,359
12 Claims. (Cl. 210—159)



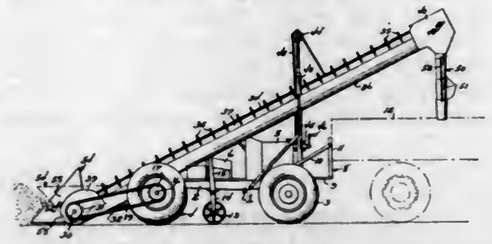
7. In a strainer, a tank having a stepped formation decreasing its internal diameter by downward stages, a strainer fabric of sheet material overlying one of the steps of said stepped formation together with the space therewithin, a strainer fabric retaining member having a spacious milk-admission opening in its top and carrying a baffle plate supported by said ring between said opening and said strainer fabric to deflect the milk horizontally as it passes from said opening to said fabric, a venturi milk outlet spout carried by the lower end portion of said tank, and said tank having a ledge-forming step intermediate said venturi spout and the step which supports said strainer fabric, a strainer cloth supported by said intermediate step, and a retainer member for said cloth in an overlying relation thereto.

2,410,011
RAIL TRUCK
Robert J. Burrows and Alfred O. Williams, Battle Creek, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application December 11, 1944, Serial No. 567,618
10 Claims. (Cl. 105—182)



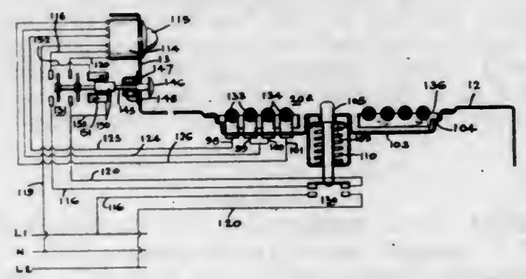
1. In a rail truck, a truck frame including longitudinally extending side frame members rigidly spaced apart by intermediate transverse cross members, truck axles including axle housings extending transversely beneath opposite ends of said side frame members and having spring brackets on opposite sides of the axis thereof at each end of said housings, vertical spring means between the ends of said members and the outside brackets of each of said housings, and longitudinally extending spring means between the inside brackets of each of said housings and the midportions of said side frame members.

2,410,012
PORTABLE GRAIN ELEVATOR
John A. Churchman, Guymon, Tex.
Application July 12, 1945, Serial No. 604,555
6 Claims. (Cl. 198—7)



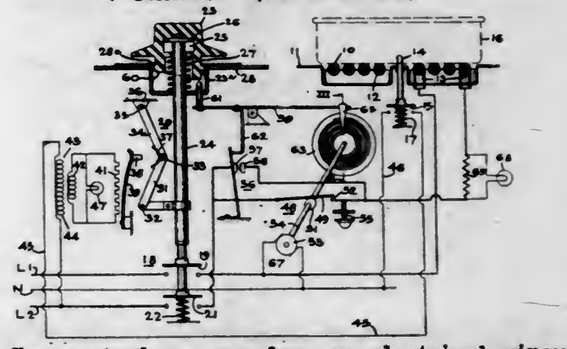
1. A grain elevator and loader, comprising a frame adapted to be detachably connected with a powered vehicle, a shaft journalled in the frame and having a driving connection with the powered vehicle, an endless conveyor belt connected with the shaft, a tube about the belt and formed with a boot at the end connected with the shaft, said belt and tube pivotally supported to be raised and lowered, a spiral grain moving auger on the shaft serving the conveyor belt, a hopper about the shaft adjustably connected at one end to the boot of the tube and supported by the frame at the other end, an adjustable down spout on the upper end of the tube, and a shaft like extension having a spiral grain moving auger and universally and detachably connected with the first shaft.

2,410,013
HEATING APPARATUS
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 15, 1942, Serial No. 443,032
1 Claim. (Cl. 219—20)



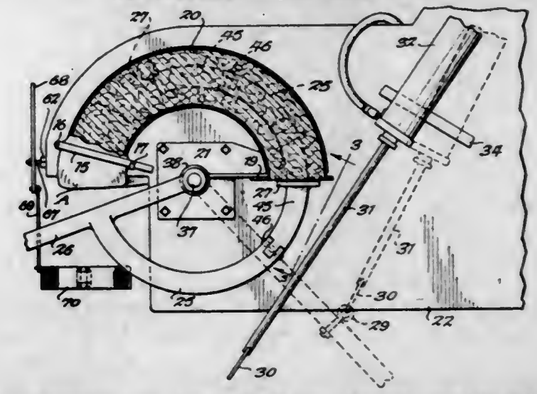
The combination with an electrical heating unit adapted to supply heat to a cooking utensil or the like and a source of power for said heating unit, of a switch for connecting said heating unit to said power source, said switch being biased to open position, means for moving said switch to closed position, electro-magnetic means for holding said switch in closed position, a circuit connecting said electro-magnetic means to said power source for energizing the same, said circuit being so arranged that it is open at all times that said switch is open, a second switch connected in said circuit, said second switch being moved to closed position by placing a cooking utensil or the like on said heating element, thereby completing the circuit from said power source to said electro-magnetic means and making the same effective to hold said first switch in closed position when moved to such position, said second switch being biased so as to move to open-circuit position when there is no cooking utensil or the like on said heating unit thereby opening the circuit from said power source to said electro-magnetic means and rendering said electro-magnetic means ineffective to hold said first switch in closed position when there is no cooking utensil or the like on said heating unit.

2,410,014
HEATING APPARATUS
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 15, 1942, Serial No. 443,033
7 Claims. (Cl. 219—20)



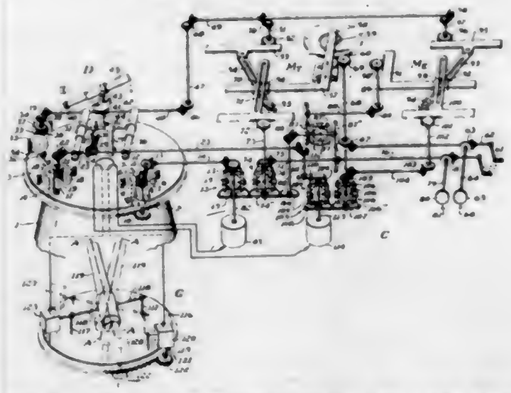
1. In control means for an electrical circuit including an electric heater arranged for the heating of a cooking vessel or the like, and adjustable means connected in the circuit for varying the rate of energization of the heater, the combination of a line switch arranged in the circuit and movable manually from an open position to a closed position, switching means arranged in the circuit for energizing said heater at its maximum rate irrespective of the adjustment of said adjustable means, a time-controlled device adjustable to various stations for determining the period of time that said switching means is effective to energize the heater, and a common actuator for the line switch and for adjusting said time-controlled device.

2,410,015
APPARATUS FOR FILLING LIFE PRESERVERS AND THE LIKE
James A. Cook, Buffalo, N. Y., assignor to Birma Manufacturing Company, Inc., Buffalo, N. Y.
Application January 5, 1944, Serial No. 517,075
13 Claims. (Cl. 226—19)



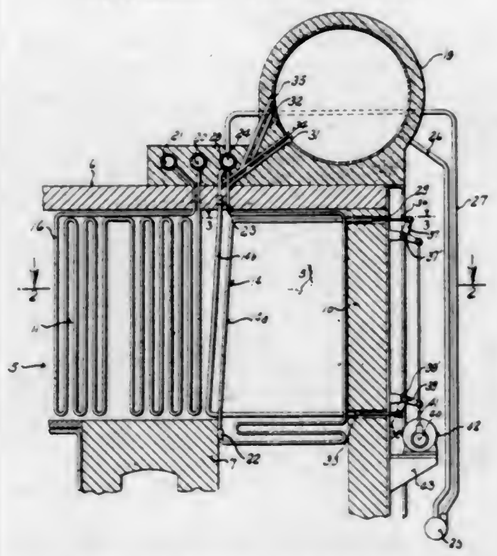
1. Apparatus for packing loose material into substantially circular open ended casings, including a tube open at both ends and having a curvature corresponding to that of the casing and which may be inserted into a casing to be filled, a ram having a curvature corresponding to that of the tube, means for producing relative movement of said ram and tube in a curved path to cause relative movement of said ram into and out of said tube to compact loose material inserted into the tube and to discharge the compacted material from the tube into the casing.

2,410,016
METHOD OF AND APPARATUS FOR GUNFIRE CONTROL
Raymond E. Crooke, New York, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application June 10, 1932, Serial No. 616,401
Renewed June 12, 1934
7 Claims. (Cl. 89—41)



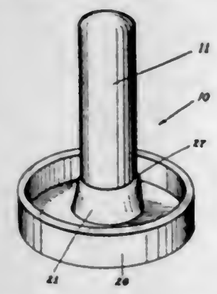
1. The method of correcting for the effect of trunnion tilt of a gun mounted on an angularly movable platform which consists in determining the correction for the gun for a selected value of cross-level other than zero, setting the gun with respect to the platform in accordance with the determined correction and firing the gun when the movement of the platform brings the gun into a vertical plane bearing a predetermined relation to the target at which the gun is aimed.

2,410,017
FLUID COOLED DAMPER
David Dalin, Sodertalje, Sweden
Application August 14, 1943, Serial No. 498,697
In Sweden September 16, 1941
10 Claims. (Cl. 122—480)



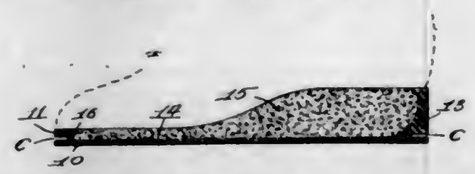
7. In a heat exchange apparatus: cooperating walls defining a gas pass; a heat exchanger positioned to be influenced by the flow of gases through the gas pass; a bank of fluid cooled tubes collectively constituting a barrier across the gas pass of an effectiveness depending upon the spacing of the tubes; certain of said tubes having their ends at one side of the gas pass free and other tubes having their ends at the opposite side of the gas pass free so that an opposite flexing force applied on said free ends of the tubes results in varying the spacing between the tubes substantially uniformly for their entire length; looped coils connected to pairs of adjacent free ends of said tubes and extending substantially at right angles to said bank of tubes, the loops of said looped coils entering cavities in an adjacent wall of the gas pass so as to be spaced from the direct influence of the gases flowing through the gas pass; and means on the exterior of said last named wall and connected to said loops for simultaneously applying opposite forces thereon to flex the tubes connected thereto in opposite directions.

2,410,018
CROCHET BALL HOLDER
James M. D'Arcy, Brooklyn, N. Y.
Application May 19, 1945, Serial No. 594,723
3 Claims. (Cl. 242—130)



1. A crochet ball holder of the character described, comprising a revolvable member for receiving a crochet ball, a pin embedded in the central portion thereof the opposite end of which is pointed and extends beyond the end of said revolvable member, a circular channel in said revolvable member, a base having a channel adapted to loosely receive the lower portion of said revolvable member, a circular recess with a conical base to receive the pointed end of said pin, a hollow member firmly embedded in said circular recess, said hollow member having a triangular opening at the top thereof to maintain said pin in vertical position, the upper portion of said hollow member adapted to loosely fit within said circular channel without preventing said revolvable member from turning.

2,410,019
SHOE SOLE AND HEEL CONSTRUCTION
John H. Davis, Los Angeles, Calif.
Application December 6, 1944, Serial No. 566,829
2 Claims. (Cl. 36—28)



1. In a shoe sole and heel structure, the combination with a one piece body of flexible resilient material comprising, an outsole, midsole and heel, the height of said heel being substantially greater than the combined heights of said outsole and midsole, said heel and midsole being recessed so as to provide a continuous upstanding marginal wall, there being a continuous groove formed between the marginal portions of said outsole and midsole and an inwardly presented flange on the upper portion of said marginal wall, of a homogeneous filler body of light weight granular material completely filling said recess with the upper faces of said upstanding wall, and flange lying flush with the upper face of said filler body.

2,410,020
MANUFACTURE OF WORSTED ROVING
Rene J. de Lathauwer, Hawthorne, N. J.
Application March 15, 1944, Serial No. 526,580
2 Claims. (Cl. 19—130)

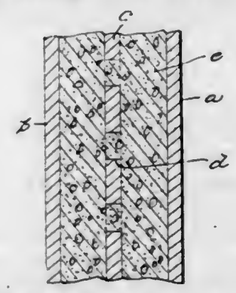


1. The method of drawing wool fibers to produce a roving in condition for spinning into worsted yarn which consists in subjecting each of at least two slivers comprising such fibers, and while continuously advancing such sliver, first to simultaneous drawing and slip-draft combing such as by gilling and thereafter to simultaneous drawing and slip-draft combing such as by the use of porcupine rolls of which the former combing is more strenuous than the latter and meanwhile maintaining the intake speed of the second drawing substantially equal to the output speed of the first drawing, thereupon condensing and packaging the thus-treated sliver, and thereafter combining said thus-treated slivers to form a doubled sliver and subjecting such doubled sliver, while continuously advancing the same, first to simultaneous drawing and slip-draft combing and thereafter to simultaneous drawing and slip-draft combing of which the former combing is more strenuous than the latter and meanwhile maintaining the input speed of the second drawing substantially equal to the output speed of the first drawing of such doubled sliver, and finally condensing the thus-treated doubled sliver.

2,410,021
FLOTATION PROCESS
Fred D. De Vaney, Hibbing, Minn., assignor to Erie Mining Company, Hibbing, Minn., a corporation of Minnesota
No Drawing. Application April 26, 1944, Serial No. 532,867
10 Claims. (Cl. 209—166)

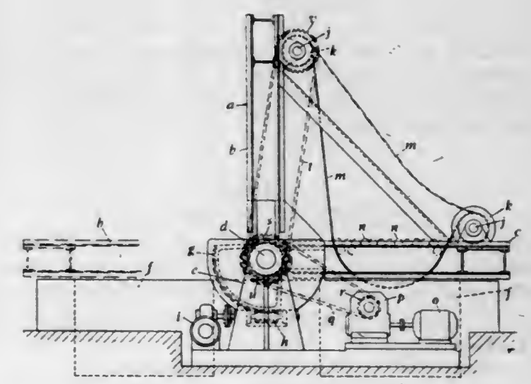
1. In the process of beneficiating silicious iron ore by cationically froth-floating the silicious gangue particles from the iron mineral particles of an aqueous pulp of such an ore by the use of a higher molecular weight aliphatic amine collector and a frother, the step of accelerating the rate of flotation of the silicious gangue particles which consists in incorporating a relatively very small amount of sodium sulfide into the pulp prior to the froth flotation step.

2,410,022
ARMOR
Charles Joseph Dumais, Woonsocket, R. I.
Application August 5, 1942, Serial No. 453,744
1 Claim. (Cl. 109—83)



In an armored tank structure, a body comprising an outside wall, an inside wall, a plane surfaced intermediate wall interposed between the inner and outer walls and in equidistantly spaced relation therewith, and a concretious deposit in the spaces between the walls, said intermediate wall being formed with openings so that the concretious deposit can connect between the spaces before hardening.

2,410,023
APPARATUS FOR DIPPING TUBES, BARS, AND THE LIKE
David William Thomas Evans, Sutton Coldfield, England, assignor to T. I. (Group Services) Limited, Birmingham, England
Application August 16, 1943, Serial No. 498,831
In Great Britain September 1, 1942
2 Claims. (Cl. 51—163)



1. Apparatus of the type specified for dipping tubes, bars or like articles, and having in combination a flexible carrier for the articles to be treated, a framework on which the carrier is mounted to provide an open bight for accommodating the articles to be treated, movable means through which at least one end of the carrier is supported on the framework and by which the said end can be moved relatively to the other end of the carrier for varying the depth of the bight to elevate or lower the articles, and means whereby the framework is pivotally supported so that it can be swung into different positions for transporting the articles from one position to another.

2,410,024
PRODUCTION OF ISOBUTANE AND THE LIKE HYDROCARBONS
Eric William Musther Fawcett and John Henry Beynon, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation
No Drawing. Application October 8, 1941, Serial No. 414,138. In Great Britain October 2, 1940
5 Claims. (Cl. 260—683.5)

2. A process for the catalytic conversion of normal aliphatic hydrocarbons into substantial proportions of the corresponding branched chain hydrocarbons comprising dissolving an aliphatic hydrocarbon feedstock and aluminium halide catalyst in tetrachloroethane, and reacting the solution at an elevated temperature and under such pressure as is necessary to maintain the solution in the liquid phase, to form the desired branched chain hydrocarbons.

2,410,025

PRODUCTION OF COLORED PHOTOGRAPHIC PICTURES

Béla Gáspár, Hollywood, Calif., assignor to Chromogen, Incorporated, a corporation of Nevada

No Drawing. Continuation of application Serial No. 412,341, September 25, 1941, which is a division of application Serial No. 179,591, December 13, 1937. This application February 7, 1944, Serial No. 521,439. In Great Britain December 14, 1936

24 Claims. (Cl. 95—6)

20. In a process of producing a dyestuff image from a silver image and a uniformly distributed azo-dyestuff in a photographic emulsion, the step of treating said azo-dyestuff in the presence of said silver image with a substance capable of selectively destroying said azo-dyestuff by reduction in the presence of a photographic silver image, said treatment being carried out in the presence of a small amount of an organic compound capable of accelerating the selective dye destructive action of said substance, said compound being selected from the group consisting of diphenylmethane derivatives and triphenylmethane derivatives.

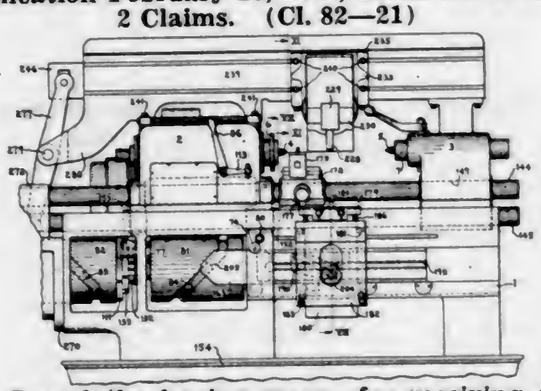
2,410,026

AUTOMATIC LATHE

William F. Groene, Cincinnati, and Harry C. Kemper, Goshen Township, Clermont County, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application February 10, 1943, Serial No. 475,342

2 Claims. (Cl. 82—21)



1. In a lathe having means for receiving and rotating a work piece about a first axis, a bar journaled for rotation on a second axis parallel to said first axis, a tool holder adjustably secured to said bar and adapted to hold a tool in cutting engagement with a work piece in said lathe, plate means guided for translation on said lathe in a direction spaced from and angularly related to said second axis, a form bar adjustably mounted on said plate means, to contact and pivot said holder about the axis of said bar, a cam slide means on said lathe, translatable parallel to said axes, and a connection between said slide means and plate means, said connection including a cam pivoted on one said means and a pin on the other of said means adapted to coact with said cam to variably transmit motion from said slide means to said plate means.

2,410,027

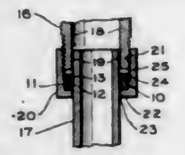
NONSLIP JOINT SPLIT RING UNION DEVICE

Joseph R. Guildford, Buffalo, N. Y.

Application March 20, 1944, Serial No. 527,169

6 Claims. (Cl. 285—123)

1. A non-slip joint union device for gripping plain tubing in a union connection comprising an annular ring split in part axially and provided with a tooth for projecting into the exterior wall of said tubing said tooth extending interiorly of the inner circumference of said annular said slit portion of the annular ring being provided with



cuneated abutting portions for slidable engagement and adapted to urge said tooth into the said tubing when said cuneated slidable engagement portions are compressed together within said union connection.

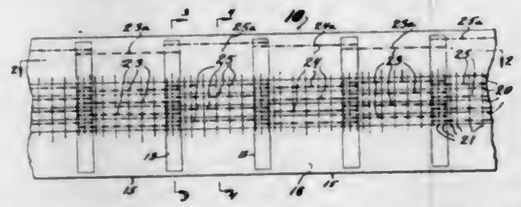
2,410,028

TEXTILE WEBBING

James A. Hendley, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut

Application August 22, 1945, Serial No. 612,089

5 Claims. (Cl. 139—390)



2. A textile webbing including: a longitudinally-successive series of pockets in longitudinally-over-lapping relation; each pocket having two side-walls, two end-walls, and a bottom; the respective opposite side-walls of said pockets forming parts of two continuous side-strips of woven fabric formed of interwoven warp strands and weft strands and said side-strips being arranged in face-to-face relation with one edge of one side-strip secured substantially throughout its length to the adjacent edge of the other side-strip to form the bottom for each of said pockets; and the end-walls being formed of interwoven warp strands and weft strands each having one end interwoven with one side-strip, and having the other end interwoven with the other side-strip at a location longitudinally displaced from the interwoven location of its first-mentioned end, to thus produce said overlapping relation; the warp strands of said side-strips including three sets of warp strands, each of which said three sets of warp strands is interwoven with weft strands of one of said side-strips, then extends along one of said end-walls from one to the other of said side-strips, then is interwoven with weft strands of the other of said side-strips, then originally crossed over back to said one side-strip, and so one, said three sets of warp strands respectively successively extending along each three successive end-walls.

2,410,029

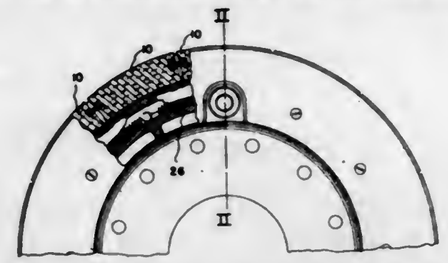
BRAKE BLOCK GUARD

Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

Application April 2, 1945, Serial No. 586,220

1 Claim. (Cl. 188—152)

A radial brake comprising an annular frame having an outer relatively wide channel, segmental arcuate brake blocks supported in said outer channel for radial movement, an inner relatively narrow channel, a sealing ring disposed in said inner channel to form an annular chamber with the walls thereof, adapted to be radially expanded to actuate said brake blocks, guard and thrust members disposed in said narrow channel and corresponding in width thereto, said members each having an upright flange at one end adapted



to be received between opposed ends of adjacent brake blocks, the overall length of said members being in excess of that of the brake blocks in order to overlap the parting lines between adjacent brake blocks, means to retract said brake blocks, and structure defining said inner channel against which said brake blocks are retracted by said means.

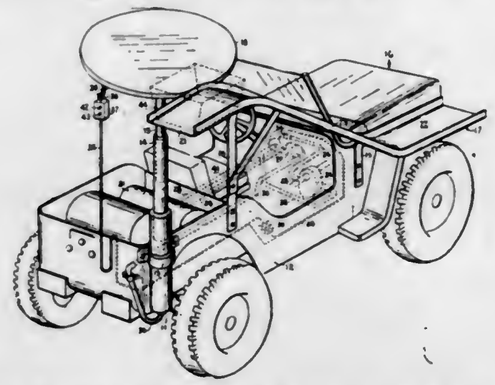
2,410,030

VEHICLE MOUNTED FRUIT PICKER

Paul P. Horni, Newark, N. J.

Application April 7, 1945, Serial No. 587,066

6 Claims. (Cl. 304—9)



1. In a vehicle mounted fruit picker in which a self-propelled vehicle provided with a frame has an operable elevator supported thereon surmounted by a platform, control means for operating the elevator to raise and lower the platform at will, and means comprising a support for a fruit receptacle or basket, the combination of features which consists in having the fruit receptacle support rigidly secured to one side of the frame so as to support said receptacle independently of said elevator platform, and having the elevator secured upon the same side of said frame in effective position to dispose the platform of said elevator adjacent to at least one side portion of said fruit receptacle support and allow said platform to at least approach the level of the latter during raising and lowering thereof.

2,410,031

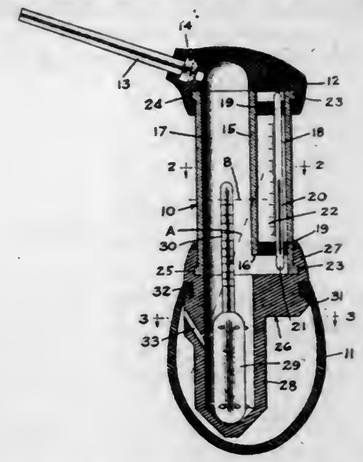
THERMOHYDROMETER

Arnold Z. Hoyer, Conshohocken, Pa., assignor, by mesne assignments, to Kimble Glass Company, Vineland, N. J., a corporation of Delaware

Application November 17, 1944, Serial No. 563,950

6 Claims. (Cl. 73—33)

1. A thermohydrometer comprising a barrel, a collapsible bulb, a nozzle, said bulb and said nozzle being carried by and in communication with opposite ends of said barrel, a member having a well therein for retaining liquid to be tested, and a float comprising a buoyant body portion and a graduated stem, said buoyant portion being po-



sitioned in and guided by said well, said well being disposed within said bulb and communicating with said barrel, said nozzle being uppermost when the thermohydrometer is positioned for reading of said stem.

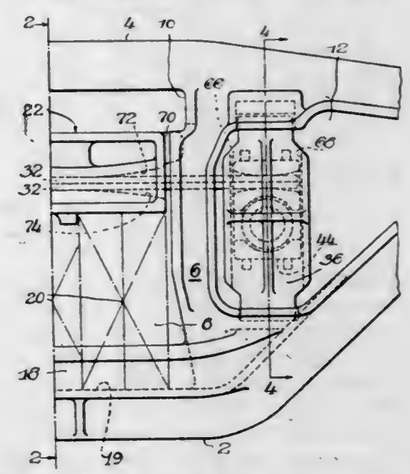
2,410,032

TRUCK

Harold C. Keysor, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application May 15, 1944, Serial No. 535,616

29 Claims. (Cl. 105—197)



13. In a railway car truck, a side frame, a friction device mounted thereon, a bolster resiliently supported from said frame, and an operative connection between said bolster and said device comprising a leaf spring assembly associated therewith, said device comprising spaced friction panels on said frame, friction elements resiliently urged into engagement with respective panels, and means on said elements interlocked with said assembly.

2,410,033

HAT CONSTRUCTION

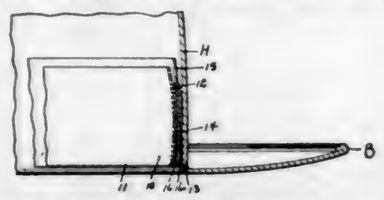
Ernest J. King, New York, N. Y.

Application June 6, 1944, Serial No. 538,997

7 Claims. (Cl. 2—181)

2. A hat construction comprising a hat body, a sweat-band, first liner means connected by a row of stitching to said hat body, second liner means connected by a row of stitching to said sweat-band, said rows of stitching being disposed

adjacent to the bottom edges of said liners and being susbtantially in alignment, a central liner disposed between said first and second liner means and separating said rows of stitching, said first and second liner means and said central liner being of a thermoplastic material, the bottom of said central liner being connected to the bot-



tom edges of said first and second liner means, at least a portion of said connection extending below said rows of stitching, said connection comprising a thermoplastic bond whereby the bottom edges of said first and second liner means and the bottom of said central liner are rendered integral.

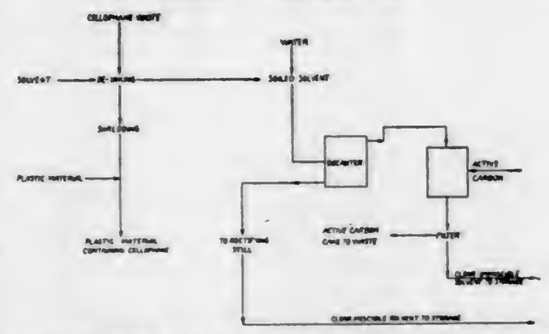
2,410,034

METHOD OF RECLAIMING SOILED SOLVENT BY DISTILLATION AND ADSORPTION

Enrique L. Luàces, Dayton, Ohio, assignor to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio

Original application March 1, 1943, Serial No. 477,683. Divided and this application October 16, 1943, Serial No. 506,502

3 Claims. (Cl. 202—60)



1. The method of reclaiming soiled solvent containing water-insoluble coloring matter and said solvent consisting of 20 to 50% hydrocarbons and the balance being selected from the group consisting of ketones, esters, alcohols, and mixtures thereof, said method consisting in adding to the mixture of solvents a quantity of water whereby separation into two layers is brought about, the top layer containing the coloring matter and the bottom layer containing the added water, separating the top layer and the bottom layer, adding to the top layer active carbon, agitating the mixture of active carbon and top layer material, removing the active carbon therefrom to obtain top layer material free from coloring matter, and de-watering the bottom layer by distillation to obtain bottom layer material free from water.

2,410,035

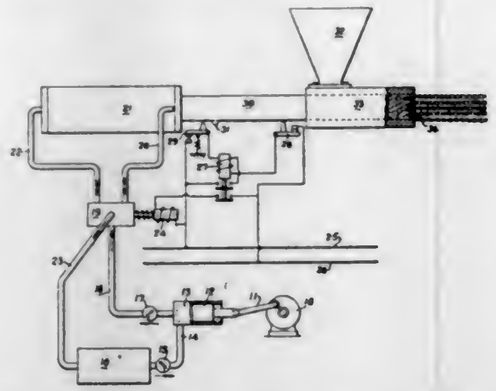
EXTRUSION APPARATUS

Enrique L. Luàces, Dayton, Ohio, assignor to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio

Original applications May 26, 1943, Serial No. 488,533, and December 13, 1943, Serial No. 514,036. Divided and this application July 19, 1944, Serial No. 545,617

4 Claims. (Cl. 18—12)

4. In apparatus for extruding a rod having alternate areas of greater and lesser diameters, the combination of an extrusion chamber, an extrusion die in said chamber, hopper means in association with said chamber, a piston movable within said chamber, a pressure cylinder in association with said chamber, a piston movable within said chamber, a pressure cylinder in association with said piston, a source of pressure



fluid, means for controlling the flow of fluid under pressure into and out of said cylinder, said controlling means being automatically operated by the movement of said piston, means for delivering fluid under pressure to said cylinder, means for providing intermittent fluid flow during each stroke of said pistons, and means for receiving fluid discharged from said cylinder.

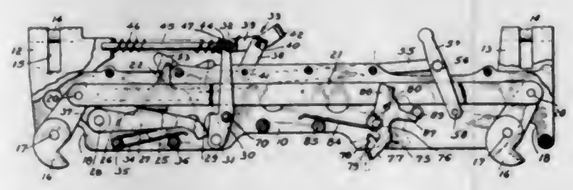
2,410,036

BOMB RELEASING SHACKLE

Roscoe I. Markey, East Orange, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey

Application May 8, 1940, Serial No. 333,921

20 Claims. (Cl. 89—1.5)



1. A bomb releasing shackle having in combination, a supporting frame, bomb carrying hooks pivoted in said frame, a tie rod connecting said hooks so that they will operate simultaneously, a tooth fixed on said tie rod, a tumbler pivoted in said frame and engaging said tooth so as to prevent movement of said tie rod and its hooks, releasable locking means for holding said tumbler in engagement with said tooth, means for positively holding said releasable locking means in its locked position so that it is impossible to drop a bomb inadvertently, means for positioning said holding means to permit of the releasable locking means being operated, and electrically operated means for operating said releasable locking means so as to drop the bomb.

20. An aircraft apparatus for an aerial bomb having a relatively movable arming means, said apparatus including: means to releasably support said bomb; a first control means movable through a range including a normal position, a firing position preparatory to operating said support means to release the bomb, and an emergency position to operate said support means to release said bomb; means to engage said arming means, said engagement means being normally

yieldable to release in response to pressure from the arming means; means responsive to said first control means to preclude yielding of said yieldable engagement means when said first control means is in said firing position; a second control means operatively connected to said support means to release said bomb when the first control is in firing position; and means responsive to said first control means to prevent release of the bomb by said support means when said first control means is in said normal position.

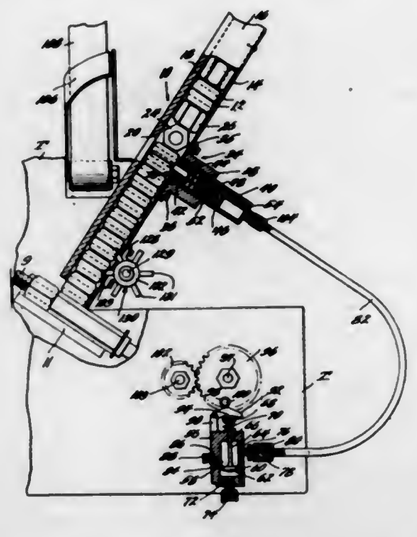
2,410,037

ARTICLE REJECTING MECHANISM

Gail C. Abbott, South Whitley, Ind., assignor to Grip Nut Company, South Whitley, Ind., a corporation of Illinois

Application February 2, 1945, Serial No. 575,871

9 Claims. (Cl. 10—162)



1. Mechanism for conveying a line of apertured nut blanks to a tapper comprising a chute having an opening in a wall thereof, a cylinder attached to said chute with its bore coaxial with said opening, a reciprocatory plunger in said cylinder mounted so that its outer end is adapted to move transversely of said bore and in and out of said chute through said opening, means urging the plunger to a retracted position with its end outside of said chute, means for supplying compressed air to the cylinder to project said plunger end into said chute into the path of said nut blanks for ejecting blanks positioned in said chute with their apertures normal to the axis of said opening and said plunger, and means for controlling admission of air to said cylinder so as to effect ejecting operation of the plunger only during intervals when movement of said blanks along said chute is arrested.

2,410,038

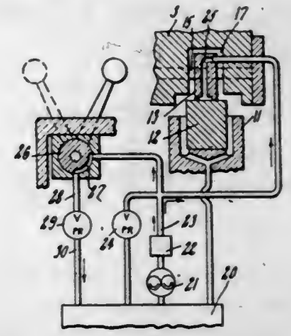
GRINDING MACHINE

Merton H. Arms and Leon J. Barnard, Springfield, Vt., assignors to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont

Application September 21, 1945, Serial No. 617,740

2 Claims. (Cl. 51—2)

1. In a grinding machine, a carriage, spaced ways for supporting said carriage for sliding motion, said machine having a work support and a grinding wheel support, one of said supports being carried by said carriage and movable by the sliding of said carriage to cause a grinding wheel on said grinding wheel support to traverse work on said work support, a pair of sources of lubricant under two different pressures, and means for se-



lectively introducing such lubricant from either of said sources between said carriage and one of said ways to cause, by change from one to the other pressure, change in relative positions of said wheel and work laterally of the direction of sliding motion of said carriage.

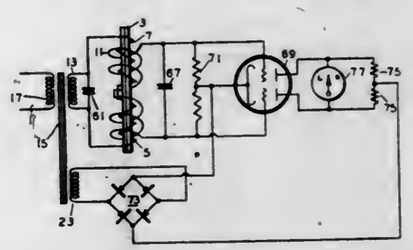
2,410,039

MAGNETIC FIELD RESPONSIVE DEVICE

Lennox F. Beach, Merrick, N. Y., assignor to The Purves Corporation, Springfield, Mass., a corporation of Massachusetts

Application July 31, 1941, Serial No. 404,809

13 Claims. (Cl. 175—183)

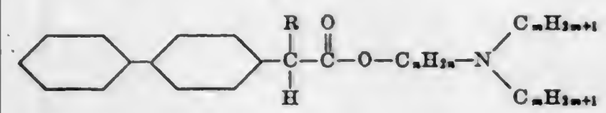


3. A magnetic field responsive device comprising a core of magnetic, permeable material, means including a source of periodically varying electrical energy for producing periodically varying fluxes in a zone of said core and in opposed bucking relationship, a pick-up coil associated with said zone of the core and symmetrically positioned with respect to said fluxes, means for indicating the output from said coil, and phase-sensitive means connected with said energy source for supplying a unidirectional current from said coil-output to said indicating means.

8. In a device sensitive to an external, unidirectional magnetic field for supplying a signal voltage output dependent in magnitude upon the direction of said field relative thereto, a core of permeable magnetic material, means including a source of periodically varying electrical energy for producing periodically varying fluxes in a zone of said core and in opposed bucking relationship, a pick-up coil associated with said core in said zone thereof and positioned in symmetrical relation to said bucking fluxes, interaction between said device and said external field producing a periodically varying voltage in said pick-up coil, and means for rectifying the output of said coil, said rectifying means being connected to and controlled by said energy source whereby to render the polarity sense of the rectified coil output dependent upon the phase relationship of the coil output with respect to said energy source.

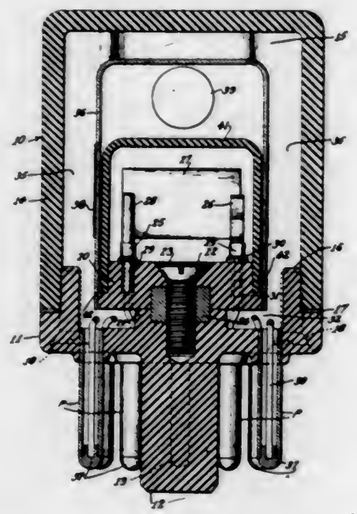
2,410,040
BASIC ALKYL ESTERS AND THEIR SALTS
Frederick F. Blicke, Washtenaw County, Mich., assignor to Regents of the University of Michigan, Ann Arbor, Mich., a corporation of Michigan
No Drawing. Application February 26, 1944, Serial No. 524,083
6 Claims. (Cl. 260—469)

1. A compound selected from the group consisting of (*a*) basic-alkyl esters of the formula



wherein R is selected from the group consisting of hydrogen and hydrocarbon radicals, *n* is an integer from 2 to 4, inclusive, and *m* is an integer from 1 to 4, inclusive, and (*b*) acid salts thereof.

2,410,041
PIEZOELECTRIC CRYSTAL CABINET
Samuel A. Bokovoy, Verona, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 1, 1943, Serial No. 481,427
7 Claims. (Cl. 171—327)

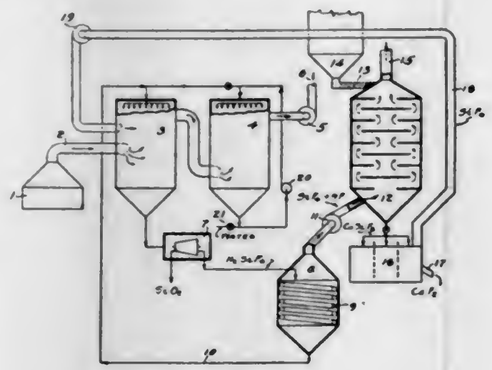


1. A temperature-controlled piezo-electric crystal mounting comprising a base, an outer housing mounted on the base, said base and housing being formed of thermal insulating material, a thermally conducting metal housing spaced from the outer housing, a heater and a heater-controlling thermostat mounted on the metal housing, and an inner housing enclosing the crystal supports located within and spaced from the metal housing.

2,410,042
PURIFICATION OF STYRENE AND ITS HOMOLOGUES
George R. Bond, Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 31, 1944, Serial No. 528,949
4 Claims. (Cl. 260—669)

1. The method of purifying a hydrocarbon oil containing a styrene compound, which hydrocarbon oil was produced by cracking a gas oil, which comprises dissolving sulphur dioxide in the hydrocarbon oil, maintaining the oil with the sulphur dioxide dissolved therein at a temperature below 130° F. for at least 15 minutes in the absence of undissolved liquid phase sulphur dioxide, whereby reactive impurities are caused to react to form a high boiling reaction product and separating the reaction product and excess sulphur dioxide from the hydrocarbon oil.

2,410,043
PROCESS FOR MANUFACTURING CALCIUM FLUORIDE
Ernest J. Breton, Arlington, and William H. Waggaman, Alexandria, Va., assignors to the United States of America, as represented by the Secretary of the Interior
Application January 4, 1945, Serial No. 571,344
1 Claim. (Cl. 23—88)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

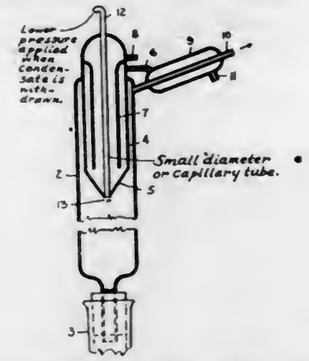


A cyclic process for producing calcium fluoride consisting in absorbing gases containing silicon tetrafluoride in water to produce hydrofluosilicic acid and silica; separating the acid solution from silica; continuously evolving gaseous fluorine compounds from said solution by means of heat and evaporation; recirculating the solution thus partially freed from fluorine in order to absorb additional quantities of silicon tetrafluoride; contacting the gases evolved from the heated solution with lime to form calcium fluosilicate; decomposing said calcium fluosilicate at elevated temperatures to produce molten calcium fluoride and silicon tetrafluoride; and reintroducing the evolved silicon tetrafluoride into the absorption stage to produce further quantities of calcium fluoride.

2,410,044
HYDROCARBON CATALYZING PROCESS
Robert E. Burk and Everett C. Hughes, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application May 29, 1941, Serial No. 395,827
5 Claims. (Cl. 260—668)

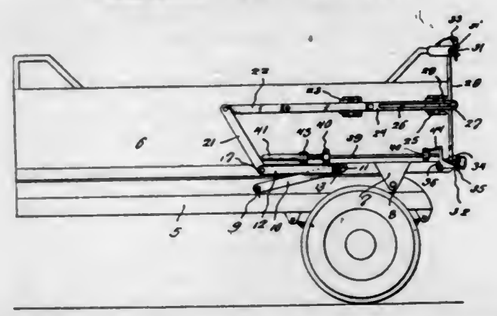
1. In a process of aromatizing, subjecting hydrogen and a hydrocarbon of four carbon atoms and a naphtha containing non-benzenoid hydrocarbons, at elevated pressure and a temperature of 800–1200° F., to the action of an oxide contact-mass formed from co-precipitation from dissolved salts of tin and aluminum and chromium, the tin in the contact-mass being 1–30 mol per cent.

2,410,045
LABORATORY FRACTIONATING COLUMN HEAD
Robert E. Burk, Cleveland Heights, and Thomas J. Walsh, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application December 24, 1942, Serial No. 470,104
3 Claims. (Cl. 257—28)



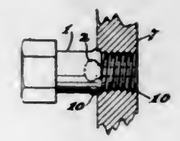
3. A fractionating column head, comprising a chamber, and a condenser including a closed condensing surface within said chamber, said condensing surface being tapered at the lower end at which end it has an opening, a capillary tube within said condenser and having its lower end communicating with and sealed to the walls defining said opening, said capillary tube having its upper end extending outside of said condenser to connect to a source of lowered pressure, and means by which a cooling medium may be brought into contact with said condensing surface for cooling the same.

2,410,046
TAIL GATE OPERATING MECHANISM FOR DUMP TRUCKS
Jake D. Burns, Richmond, Calif.
Application February 2, 1945, Serial No. 575,852
4 Claims. (Cl. 298—23)



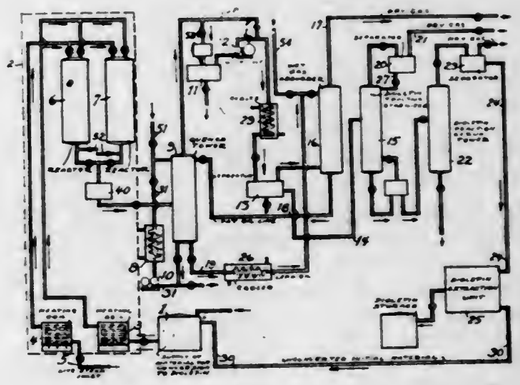
1. A tail gate opening and closing mechanism for dump truck bodies and comprising a tail gate pivoted at its upper and lower edges for selectively swinging upwardly or downwardly into open position, means for locking one of said edges against opening movement while the other of said edges is free, a rock shaft journaled transversely of the truck body, arms secured to the shaft and extending respectively upwardly and downwardly therefrom, a link connecting the lower arm to a stationary part of the truck for rotating the shaft upon a raising and lowering movement of the truck body, means connecting the upper arm to an intermediate part of the tail gate to open and close the latter upon operation of the shaft, a latch means for one edge of the tail gate, and means operated by one of said arms for releasing the latch means upon initial raising movement of the body.

2,410,047
METHOD OF EXPLOSIVELY BLASTING JOINTS
Lawton A. Burrows, Woodbury, N. J., and Walter E. Lawson, Westover Hills, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 9, 1942, Serial No. 426,150
3 Claims. (Cl. 218—29)



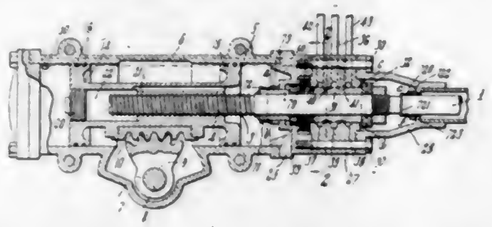
1. The method of explosively blasting a fluid-tight joint between a metal fastening element provided with a central axial cavity and another body provided with a recess to receive said metal fastening element, which method comprises inserting the hollow portion of said fastening element into the recess of said body, providing an explosive unit at least partly within said element cavity and at least partly within that portion of said element cavity which extends within said body recess, and expanding the walls of said cavity into contact relationship with the walls of said body recess, said explosive being characterized by a velocity of detonation of at least 1000 meters per second, at least a portion of said explosive unit being in contact with the atmosphere at the time of detonation to permit escape of explosion gases.

2,410,048
CHEMICAL PROCESS
Donald L. Campbell, Short Hills, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 13, 1942, Serial No. 446,871
8 Claims. (Cl. 260—680)



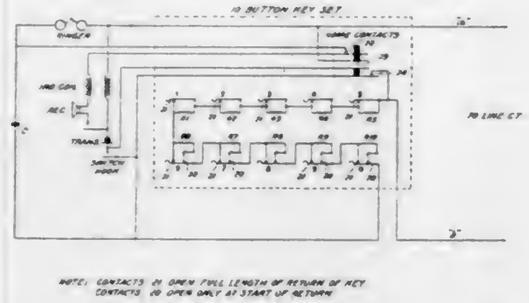
8. In the process for the production of diolefinic hydrocarbons by a high temperature reaction, the improvement which comprises contacting the hot gaseous reaction products first with water and then with a relatively cool liquid comprising a fat oil, separating the cooled gaseous reaction products from said oil, liquefying a fraction containing the bulk of the diolefinic compounds in said reaction products, separating uncondensed gases from said liquefied fraction, washing the uncondensed gases with an absorber oil to recover diolefinic compounds therefrom, using the fat oil obtained in the washing step as the fat oil for contacting said hot gaseous reaction products, thereby stripping said fat oil of absorbed diolefinic compounds and returning the stripped oil to the washing step.

2,410,049
POWER STEERING APPARATUS
Francis W. Davis, Belmont, Mass.
Application September 26, 1944, Serial No. 555,812
3 Claims. (Cl. 180—79.2)



1. A steering mechanism comprising a manually rotatable steering shaft having a threaded portion and mounted for limited axial motion, a fluid motor cylinder coaxial with said shaft, a piston slidable within said cylinder and having a threaded opening into mating relation to which said threaded portion extends, a steering part operatively connected to said piston to be moved by axial motion of said piston, a valve surrounding and controlled by axial motion of said shaft and controlling the supply of fluid within said cylinder on opposite ends of said piston, and means tending to center said shaft axially.

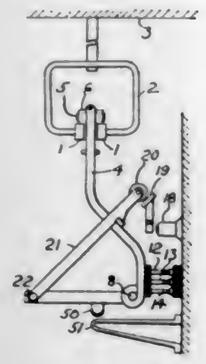
2,410,050
TELECOMMUNICATION SWITCHING SYSTEM
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 21, 1944, Serial No. 532,143
20 Claims. (Cl. 179—18)



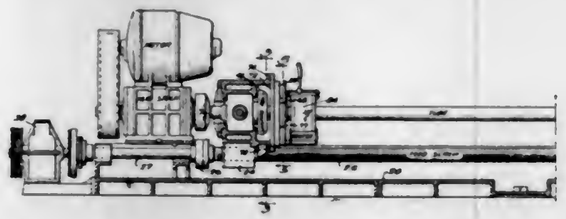
1. In a switching system, a controller having a plurality of operating positions, a source of current, a multi-electrode discharge device, means for establishing a connection between said controller and said device, a relay, means for operating said relay when potentials applied to two electrodes of said device bear a predetermined relationship to one-another, means including said connection for applying a different potential to one electrode in each position of the controller, means actuated by the controller for applying various potentials to the second electrode, and switching means variably operable under the control of said relay and the last-mentioned means.

2,410,051
CONVEYER SYSTEM CONTROL
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 16, 1944, Serial No. 563,756
16 Claims. (Cl. 214—60)

2. In a control circuit for causing the unloading of a conveyer at any one of a plurality of points on its traverse, in combination a potentiometer on the conveyer, a plurality of taps on said potentiometer, settable means for selecting one of said taps, a potentiometer at each unloading point, a variable contact on each said potentiometer, an impedance unit comprising two parallel branch circuits each including two oppositely poled unidirectional impedances, the impedances of one branch being reversely poled with respect to those in the other branch, whereby current flow in either direction through said unit causes the common terminal of the two impedances in one branch to have a relatively positive potential with respect to the corresponding point in the other branch, means to supply an operating voltage to said unloading point potentiometers, commutator means for supplying the same operating voltage to said conveyer potentiometers when the conveyer is at an unloading point, commutator means for supplying the potential from a selected tap point on said conveyer potentiometer to one terminal of said impedance unit, and means for supplying the potential from the variable contact of said unloading point potentiometer to the other terminal of said impedance unit.



2,410,052
TUBE REDUCING MACHINE
Clarence L. Dewey, Elkhart, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 19, 1944, Serial No. 541,018
12 Claims. (Cl. 113—53)



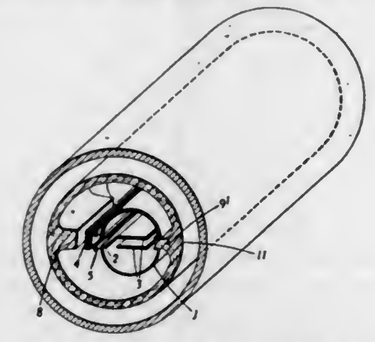
1. In a tube reducing machine, the combination of a pressure roll and means for moving the same radially with respect to the axis of the tube, a heater located closely in advance of the roll and in position to permit the tube to pass relatively therethrough, a reenforcing heat resisting bushing positioned to closely surround the wall of the tube and located intermediate the heater and the roll to exteriorly reenforce the tube immediately in advance of the roll, means for mounting the heater, bushing and pressure roll as a unit and restraining the bushing from rotation, and means for relatively advancing said unit longitudinally of the tube and rotating the tube relatively to the agencies comprising said unit.

2,410,053
ADHESIVE AND ADHESIVE SHEET
Richard Gurley Drew, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application April 7, 1941, Serial No. 387,275
10 Claims. (Cl. 260—3)

1. An adhesive composition comprised of rubber, a thermo-softening rubber-compatible resin adapted to produce tack, and a minor proportion of an oil-soluble heat-advancing rubber-reactive phenol-aldehyde resin.

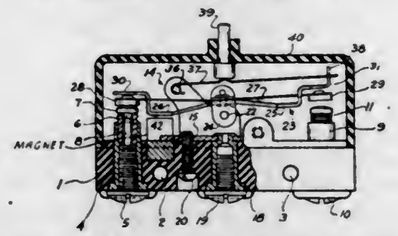
2,410,054
ELECTRON DISCHARGE APPARATUS
John Heaver Fremlin and Roger Norman Hall, London W. C. 2, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application June 2, 1942, Serial No. 445,503
In Great Britain August 2, 1940
7 Claims. (Cl. 250—27.5)

1. Electron discharge apparatus of the electron



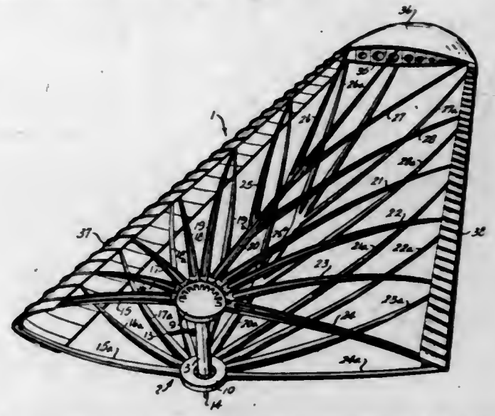
velocity modulated type comprising a tubular metallic member forming part of a vacuum-tight envelope, a resonator comprising a short length of coaxial line having diametric aligned apertures and disposed within said tubular metallic member, means for generating and directing a beam of electrons through said apertures also disposed within said tubular metallic member, and a pair of magnetic pole pieces disposed one at each end of the electron beam path having only a single gap therebetween, one of said pole pieces being mounted upon said tubular metallic member and the other of said pole pieces being mounted upon said resonator.

2,410,055
SNAP SWITCH
Paul G. Frerer, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application July 28, 1944, Serial No. 547,020
11 Claims. (Cl. 200—67)



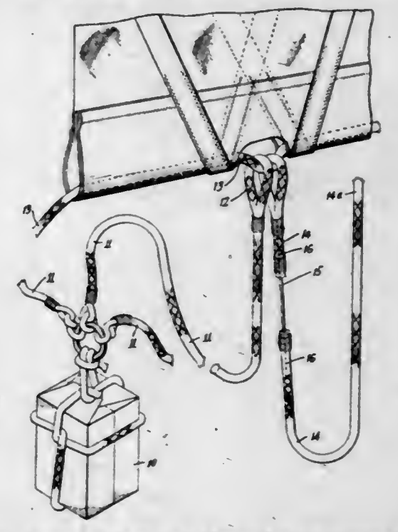
1. In a switch unit, a base, a switch arm on one side of the base and pivoted thereto, a movable contact operated by said switch arm, a stationary contact cooperating with said movable contact, adjusting means for the stationary contact, a terminal member having a screw hole for mounting a terminal screw on the other side of the base, the screw hole for the terminal screw being in alignment with the adjusting means for the stationary contact whereby the stationary contact may be adjusted by a tool inserted through said screw hole.

2,410,056
VARIABLE CAMBER WING
Jacque Fresco, Hollywood, Calif.
Application January 11, 1945, Serial No. 572,290
9 Claims. (Cl. 244—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An airplane wing construction of double surface airfoil cross section comprising a central hub structure positioned in the plane and substantially at the point of maximum camber of the root chord, a plurality of sets of angularly disposed spars connected to said hub member and extending radially, one set lying in the upper boundary surface of the wing and the other set lying in the lower boundary surface of the wing, and means connecting the terminal end of each spar in one set to the terminal end of a respective spar in the other set to form related pairs and also connecting said pairs to each other, the terminal ends of said pairs of spars lying in the marginal boundaries of the wing between the tip and root chord sections.

2,410,057
PARACHUTE
Leonard P. Frieder, Rockville Centre, and Walter S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder
Application August 20, 1943, Serial No. 499,306
6 Claims. (Cl. 244—149)



1. In an apparatus of the character described, a unit comprising a normally unopened parachute

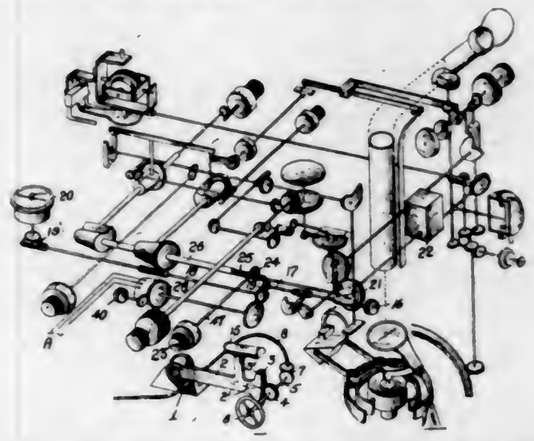
canopy and a load connected by shroud lines to the canopy, and a single static cord directly connecting one point only of the outer edge of the canopy to the airplane from which the unit is launched or dropped whereby the interior of the canopy is opened to air resistance, said cord constituting the only connection between the unit and the airplane at the time of launching and being so constructed that it will break under the strain applied by the opening of the canopy and weight of the load.

2,410,058

AUTOMATIC CLIMB AND GLIDE CONTROL FOR AIRCRAFT

Carl A. Frische, Leonia, and Gerald N. Hanson, Allendale, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application April 25, 1939, Serial No. 269,838
12 Claims. (Cl. 244—76)



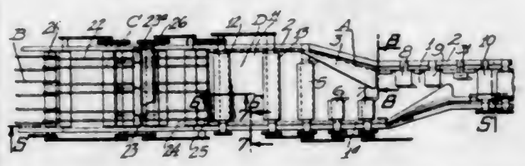
1. In an automatic pilot director for bombsights mounted on aircraft, the combination with a bombsight having means for altering the altitude setting, a variable speed device for controlling said means, means for causing change of altitude of the craft at a rate governed by the speed of said variable speed device, and adjustable means for governing the speed and direction of said device.

2,410,059

MEANS FOR FOLDING NEWSPAPERS AND THE LIKE

Kenneth C. Garrison, Norwalk, Calif.

Application April 1, 1942, Serial No. 437,233
2 Claims. (Cl. 270—93)



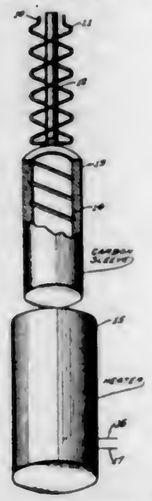
1. In a newspaper folding machine, a guiding means for guiding newspapers flatwise, a pair of successive folding devices at opposite sides of the guiding means for folding successively the edges of the newspaper at the opposite sides of the guiding means inwardly over the middle portion of the newspaper, rollers in association with the guiding means, rollers being located opposite the respective folding devices for feeding the separate newspapers successively through the folding devices with which the rollers are associated, the rollers opposite the second successive folding device being also arranged to crease the fold produced by the first folding device, and other rollers positioned progressively beyond and in substantial alignment with the second folding means for creasing the fold produced by the latter.

2,410,060

METHOD OF PRODUCING VACUUM TUBE ELECTRODES

Lynn C. Goodale, Newark, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware

Application March 11, 1942, Serial No. 434,269
9 Claims. (Cl. 148—11.5)



1. The method of producing spiral filamentary electrodes comprising forming a spiral of filament wire, screwing said spiral into a carbonaceous sleeve provided with a spiral groove to receive said filament spiral, and heating the assembled filament and sleeve to a temperature sufficiently high to set said spiral and thus remove internal stresses which might cause deformation of said filament, and to cause carburization of at least that portion of the filament which is in contact with the sleeve.

2,410,061

METHOD OF SEALING LEAD-IN CONDUCTORS

Lynn C. Goodale, Newark, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware

Application May 27, 1942, Serial No. 444,664
5 Claims. (Cl. 49—81)



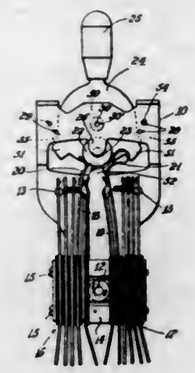
1. The method of sealing a lead-in conductor through a glass wall, comprising positioning a linear conductor having a glass bead sealed around it intermediate its ends, along the axis of an open tubular extension formed in the glass wall, so that a central portion of said tubular extension encircles a central portion of the bead, with an end portion of the extension projecting beyond the adjacent end portion of the bead, heating said tubular extension until said central portion thereof is fused to that of said bead, and continuing said heating until said end portion of said tubular extension falls inwardly on that of the bead sealing thereto and forming an annular trough of cusp shape contacting said conductor where said conductor emerges from the bead.

2,410,062

TELEPHONE KEY

Leslie B. Haigh, West Orange, and Franklin A. Stearn, Westfield, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application May 6, 1944, Serial No. 534,420
2 Claims. (Cl. 179—176)



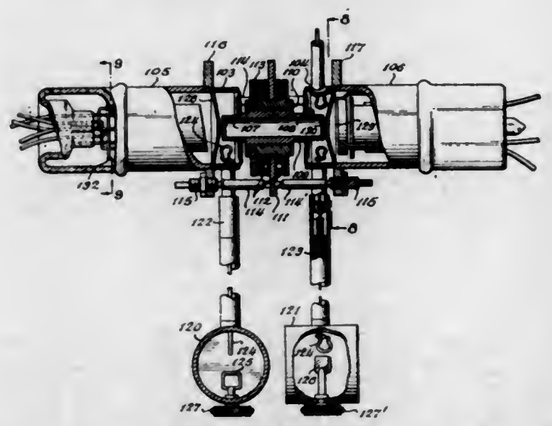
1. A switching key comprising a frame, a rotatable cam mounted upon a pivot in said frame, contact springs operable by said cam, a projection on the periphery of said cam, a plurality of pairs of oppositely disposed holes in said frame, said pairs of holes being located at different angular positions relative to the said pivot and at such radial distance from said pivot that said cam projection passes over each of said pairs of holes during rotation of said cam and a removable pin for insertion in any one of said pairs of holes for cooperation with said projection whereby the degree of rotation of said cam and the extent of throw of the key may be varied.

2,410,063

HIGH-FREQUENCY TUBE STRUCTURE AND APPARATUS

William W. Hansen, Garden City, Russell H. Varian, Wantagh, and Sigurd F. Varian, Garden City, N. Y., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif.

Original application July 2, 1940, Serial No. 343,528. Divided and this application September 2, 1942, Serial No. 457,096
17 Claims. (Cl. 250—27.5)



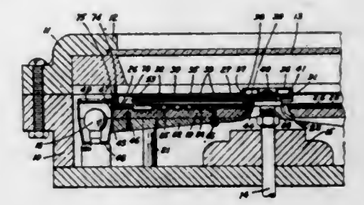
1. A cavity resonator having a substantially flat wall carrying an electron-permeable section, and a wall opposite said flat wall having a reentrant portion carrying a second electron-permeable section, said flat wall being slightly conical.

2,410,064

ILLUMINATED DIAL AND POINTER

George K. C. Hardesty, Seat Pleasant, Md.

Application July 17, 1943, Serial No. 495,219
12 Claims. (Cl. 116—129)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



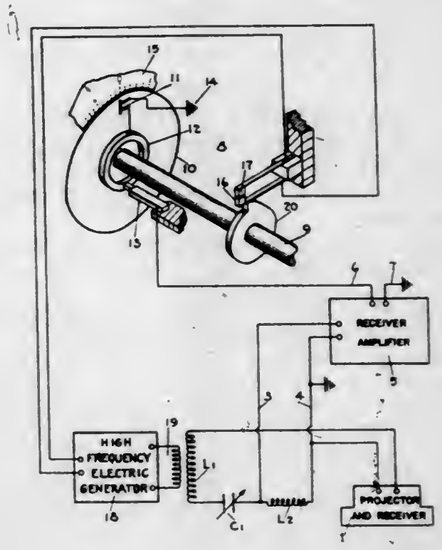
1. An illuminated pointer structure for use with a dial comprising, a pointer of transparent material having a hub portion, means for directing light into the hub portion from the rear of the dial, a substantially opaque light shield covering the front portion and not the rear of said hub, and a reflecting element situated between the shield and the hub and substantially wholly out of optical contact with the hub.

2,410,065

ELECTRICAL CIRCUITS

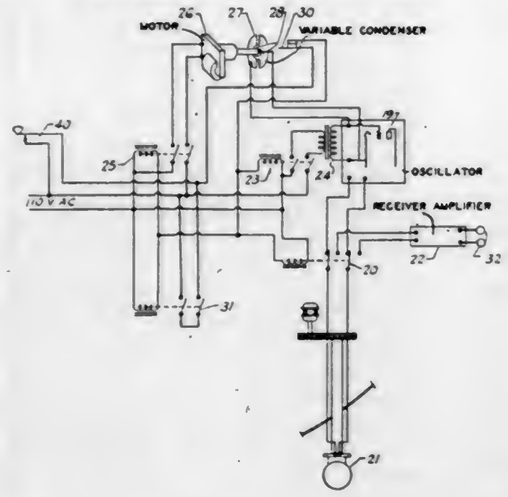
Bertram M. Harrison, Newton, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware

Application August 6, 1935, Serial No. 34,938
6 Claims. (Cl. 177—386)



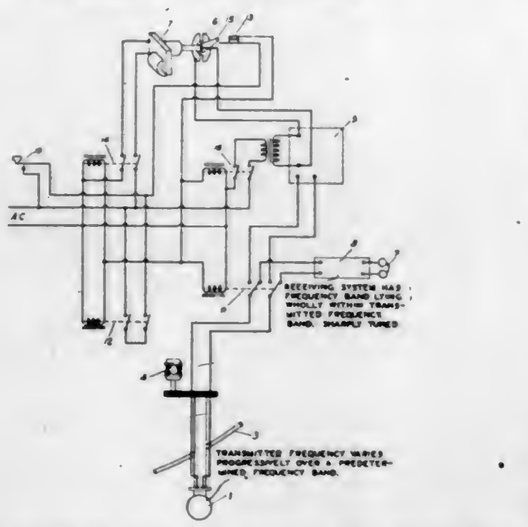
2. In a system for the transmission and reception of compressional waves, a series circuit including a coil of substantially negligible resistance adapted to have a high frequency current impressed upon the coil, a compressional wave transmitting and receiving device and separate capacities and inductances having substantially negligible resistance, forming a series circuit, the capacities and coil being balanced for the high frequency current impressed upon the coil, and an amplifying unit shunted across such inductances, the impedance of such inductances being substantially less than the impedance of the transmitting and receiving device.

2,410,066
SUBMARINE SIGNALING
Bertram M. Harrison, Newton Highlands, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application November 11, 1937, Serial No. 174,081
15 Claims. (Cl. 177—386)



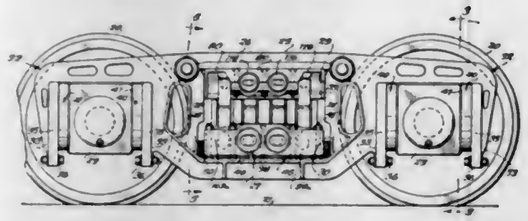
1. A method of sound ranging under water with the use of a high frequency beam projector which comprises sending out a signal of supersonic compressional waves varying progressively in frequency from the beginning to the end of the signal over a frequency range comparatively small with respect to the supersonic frequency and having a predetermined time length less than twice the time of travel of the waves from the projector to an object whose range is being determined and observing the echo reflected from the objects in the path of the beam.

2,410,067
SUBMARINE SIGNALING
Bertram M. Harrison, Newton Highlands, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application September 23, 1938, Serial No. 231,390
6 Claims. (Cl. 177—386)



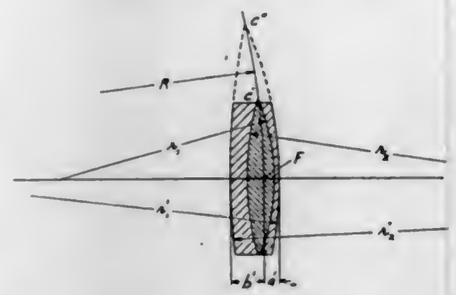
1. The method of sound ranging in water with the use of a high frequency beam projector and a high frequency receiving system which comprises transmitting a beam of supersonic compressional waves continuously varying in frequency between predetermined frequency limits, the said limits including the sensitive frequency band of the receiving system and observing the reflections from objects in the path of the emitted signal.

2,410,068
SPRING SUSPENSION FOR RAILROAD CARS
Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y., a corporation of New York
Application February 24, 1943, Serial No. 476,943
7 Claims. (Cl. 105—197)



5. In a spring suspension between a body supporting member and a wheel supported member of a railroad vehicle, a relatively light torsion rod journaled at one end on one of said members and anchored at its other end thereon, a relatively heavy torsion rod journaled at one end on the other of said members and anchored at its other end thereon, an arm fast to the journaled end of each of said torsion rods and projecting outwardly therefrom, and connecting means between the ends of said arms and interconnecting the same, said connecting means having an external face engaging an external face of the arm connected with said relatively light torsion rod, one of said engaging faces being cam shaped to shift, under increasing load, the line of engagement between said external engaging faces toward said light torsion rod to impose an increased proportion of the load on said heavy torsion rod.

2,410,069
OBJECTIVE FOR PROJECTION, PHOTOGRAPHY, TELEVISION, AND FOR TELESCOPE
Arthur J. Holman, East Orange, N. J.
Application October 30, 1940, Serial No. 363,463
4 Claims. (Cl. 88—57)



1. A triplet comprising a central crown element and a pair of flint elements, said crown element having the radii of curvature of its two refracting surfaces so related that said crown element meets the specification of being bent to radius R about a point **0** on the optical axis of said triplet, said pair of flint elements having the radii of curvature of its internal and external refracting surfaces so related that said pair of flint elements meets the specification of being bent also to said radius R about said point **0**.

2,410,070
CATALYTIC ALKYLATION PROCESS
Aaron W. Horton, Detroit, Mich., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application December 8, 1943, Serial No. 513,461
16 Claims. (Cl. 260—683.4)

14. In a process of alkylating a paraffinic hydrocarbon with an olefinic hydrocarbon in a reaction zone under alkylating conditions and in the presence of catalytic material; the improvement which comprises contacting said paraffinic hydrocarbon and said olefinic hydrocarbon in gaseous phase and in a reaction zone under alkylating conditions, with a homogeneous gaseous phase alkylation catalyst consisting essentially of material selected from the group consisting of chlorine derivatives of hydrocarbons, bromine derivatives of hydrocarbons, chlorine and bromine, in the presence of oxygen, and maintaining said paraffinic hydrocarbon in excess over said olefinic hydrocarbon in said reaction zone so that alkylation is the principal reaction.

2,410,071
CATALYTIC ALKYLATION PROCESS
Aaron W. Horton, Detroit, Mich., and John W. Brooks, Wenonah, and Arlie A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 17, 1943, Serial No. 502,812
14 Claims. (Cl. 260—683.4)

14. The process of alkylating a paraffinic hydrocarbon with an olefinic hydrocarbon, which comprises contacting said paraffinic hydrocarbon and said olefinic hydrocarbon in a reaction zone under alkylating conditions, with an alkylation catalyst consisting essentially of a halogen selected from the group consisting of chlorine and bromine, and maintaining an excess of the paraffinic hydrocarbon over the olefinic hydrocarbon in said reaction zone so that alkylation is the principal reaction.

2,410,072
ALKYLATION OF ISOBUTANE WITH PROPYLENE
Aaron W. Horton, Detroit, Mich., and John W. Brooks, Wenonah, and Arlie A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 17, 1943, Serial No. 502,813
15 Claims. (Cl. 260—683.4)

1. The process of alkylating isobutane with propylene, which comprises contacting isobutane with propylene, in gaseous phase, in a reaction zone under alkylating conditions including a temperature varying between about 750° F. and about 850° F. and a pressure in excess of about 2500 pounds per square inch, with an alkylation catalyst consisting essentially of a halogenated hydrocarbon selected from the group consisting of chlorine derivatives of acyclic hydrocarbons and bromine derivatives of acyclic hydrocarbons, that forms with said isobutane and with said propylene, a single, homogeneous gaseous phase under said alkylating conditions, and maintaining the isobutane in excess over the propylene in said reaction zone so that alkylation is the principal reaction.

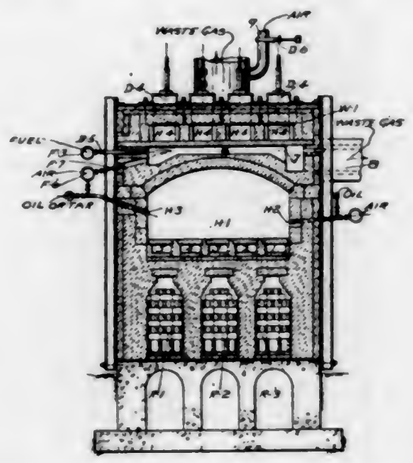
2,410,073
MANUFACTURE OF POLYESTERS
John B. Howard, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application June 24, 1943, Serial No. 492,155
7 Claims. (Cl. 260—75)

1. The method of forming polyesters of high molecular weight which comprises esterifying a reaction mixture consisting of dihydroxy alkanes and dicarboxy hydrocarbons having a lower vapor pressure than the dihydroxy alkanes, said dihydroxy alkanes being present in an excess of between about 5 mol per cent and about 50 mol per cent over the molar amount of dicarboxy hydrocarbons present, said dicarboxy hydrocarbons containing less olefinic unsaturation, as the sole non-benzenoid unsaturation, than will produce in the final polyester an average of 5 olefinic bonds per 400 atoms in the linear chains, calculated by assuming no cross-linking between molecules at unsaturated bonds, said esterification being carried out by heating said reaction mixture at a temperature between about 180° C. and about 250° C. in a closed vessel provided with a reflux condenser maintained at a temperature in the vicinity of 110° C. so as to permit escape of water vapor while returning vaporized dihydroxy alkane, said vessel and reflux condenser being so proportioned that an excess of dihydroxy alkane remains after substantially all of the carboxyl groups of the dicarboxy hydrocarbon have been esterified, continuously bubbling a dry, oxygen-free, inert gas through the reaction mixture during said esterification, continuing said esterification until substantially all of the carboxyl groups of the dicarboxy hydrocarbon have been esterified, subjecting the resulting product to a high vacuum while maintaining the reaction temperature of between about 180° C. and about 250° C. and continuing the bubbling of inert gas, so as to remove excess dihydroxy alkane and cause further molecular growth of the polyester by ester interchange, and continuing said reaction until the polyester has achieved a degree of condensation such that the number of ester groups in the polyester constitutes at least 98 per cent of the total number of ester, hydroxyl and carboxyl groups in said polyester.

2,410,074
APPARATUS FOR PYROLYTICALLY TREATING HYDROCARBONS
Charles H. Hughes, Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y., a corporation of New York
Application November 18, 1943, Serial No. 510,760
7 Claims. (Cl. 196—104)

1. In a refractory cracking and coking oven of the broad rectangular sole-fired type having a sealable broad refractory coking oven of a long rectangular type being broader than it is high and adapted to receive carbonaceous material capable of evolving upon being heated volatile vapors including straight chain hydrocarbon vapors and a residue capable of being carbonized and coked, and a main heating system located under substantially the entire sole of said oven to effect a substantially uniform heating of substantially the entire sole whereby vapors are evolved from carbonaceous material in said oven and some heat is supplied to said cracking chamber, for pyrolytically treating carbonaceous material including fluid hydrocarbon masses such as petroleum, heavy oil, oil residue, tar, and the like to evolve vapors containing straight chain

hydrocarbons such as paraffin hydrocarbons and then cracking said straight chain hydrocarbons and converting them into aromatic hydrocarbons such as benzol, toluol and xylol while carbonizing the residue into good coke having acceptable qualities and properties, the improvement which comprises a refractory cracking chamber superimposed above and associated with said oven for cracking and heat treating said hydrocarbon vapors to effect pyrolysis therein and conversion of straight chain hydrocarbons into aromatic hydrocarbons, said cracking chamber being divided into a plurality of longitudinally extending zones by means of partitions extending longitudinally thereof, each of said partitions having a multiplicity of projections for producing turbulence in said hydrocarbon vapors, means



connecting said coking oven with said cracking chamber to conduct the volatile vapors including straight chain hydrocarbon vapors evolved in said coking oven to said cracking chamber, and an auxiliary heating system interposed between the top of said oven and the bottom of said cracking chamber for supplying the rest of the heat required in said chamber, said auxiliary heating system having independent control whereby the temperature in the cracking chamber may be independently controlled relative to that of the coking oven and desired aromatic temperatures may be maintained within said cracking chamber to effect the desired pyrolysis of vapors therein including the conversion of straight chain hydrocarbon vapors into aromatic hydrocarbon vapors.

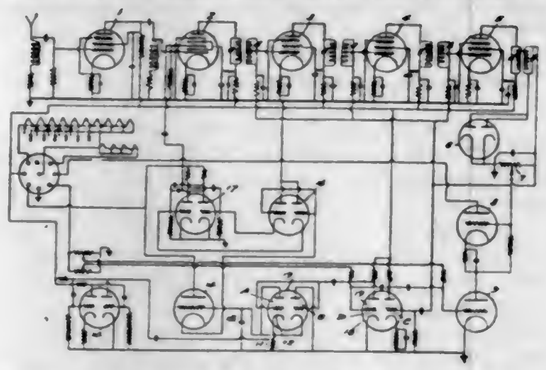
2,410,075

RAPID FREQUENCY CHANGE RADIO RECEIVER

James F. Hutchins and William K. White, Jr., San Antonio, Tex.

Application January 31, 1944, Serial No. 520,458
4 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a receiver for receiving radio signals which sweep rapidly over a band of different frequencies, a conventional super-heterodyne radio receiving circuit having a first detector and a second detector, a multi-vibrator oscillator connected to the first detector, a second multi-vibrator producing a near-sine wave voltage, means controlled by said voltage to affect the oscillator to cause the receiver to sweep over a band of frequencies, means associated with the second detector to operate only upon the reception of pulses of predetermined frequency and amplitude, and means affected by the operation of said last mentioned means to render the second multi-



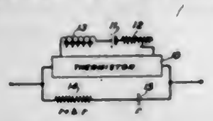
ti-vibrator ineffective and lock the oscillator at a definite frequency.

2,410,076

NEGATIVE IMPEDANCE CIRCUIT

Kenneth S. Johnson, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 5, 1943, Serial No. 478,113
8 Claims. (Cl. 178—44)



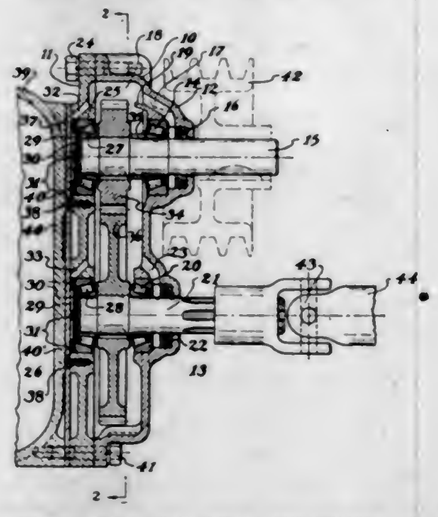
1. A circuit comprising a thermistor and a bias current supply circuit for causing said thermistor to develop an impedance effect having a negative resistance component and an inductive component, and a circuit connected in shunt relation to said thermistor and comprising positive resistance and capacitive reactance proportioned to substantially neutralize the inductive reactance of said thermistor impedance.

2,410,077

POWER TAKE-OFF UNIT

Beverly W. Keese, Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application February 16, 1944, Serial No. 522,641
10 Claims. (Cl. 74—11)



1. A power take-off unit including a housing structure comprising a body section and a cover section for the open side of said body section; power input and output shafts; anti-friction

bearings rotatively supporting said shafts in the body and cover sections of the housing; said cover section having bearing receiving openings therethrough; means in said housing for transmitting power from the input to the output shaft; means rigidly securing the housing sections in connected relation; and a shipping plate attached to and extending over the outer side face of the cover section to retain the anti-friction bearings in assembled relation with said housing cover section.

2,410,078

UNIFIED FIBROUS FABRIC

Waldo Kellgren, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application August 3, 1940, Serial No. 351,232
6 Claims. (Cl. 117—155)

1. A flexible sheet comprising an initially porous fibrous fabric sized or impregnated by a highly cohesive composition essentially comprised of the in situ vulcanized fluxed blend of broken-down rubber, admixed compatible resin adapted to increase the cementing action upon the fibres of the fabric and present in the proportion of about 25 to 400 parts per 100 parts of rubber, and a self-vulcanizing organic accelerator of the thiuram polysulfide type and an activator therefor.

2,410,079

PRESSURE-SENSITIVE ADHESIVE

Waldo Kellgren, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application September 19, 1941, Serial No. 411,590
14 Claims. (Cl. 260—793)

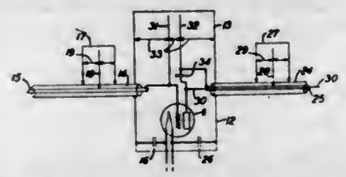
1. A method of transforming rubber to a normally and stably tacky and pressure-sensitive adhesive form usable as a coating for adhesive sheets or tapes, which comprises breaking down the rubber until it is in a pasty and sticky condition and afterwards vulcanizing the rubber until it is more cohesive than adhesive but still tacky, the vulcanizing being substantially completed at this stage such that after-vulcanization and tack loss will not occur.

2,410,080

HIGH-FREQUENCY APPARATUS

William M. Kellogg, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 11, 1941, Serial No. 422,510
4 Claims. (Cl. 179—171)



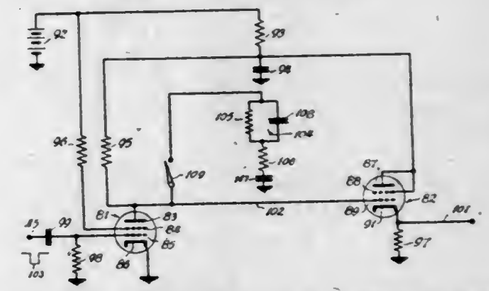
1. In a high frequency amplifier, a vacuum tube having a cathode, an anode and a control grid, a two-wire line, a shield surrounding said line and so spaced with respect thereto and to the spacing between the two wires of said line that each of said wires forms a substantially concentric line with said shield, means for connecting one set of terminals of said two-wire line to said anode and control grid, means for connecting the corresponding end of said shield to said cathode, and an adjustable device forming a short circuit at the other set of terminals of said two wires and a point on said shield spaced from said corresponding end thereof, the spacing of the wires of said two-wire line with respect to each other and to said shield being such that said adjustable device simultaneously controls the length of said substantially concentric lines to tune the grid and anode circuits to the operating frequency and the length of said two-wire line to prevent the generation of spurious oscillations.

2,410,081

ELECTRIC CIRCUIT

David E. Kenyon, Smithtown, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York

Application October 22, 1943, Serial No. 507,234
9 Claims. (Cl. 178—44)



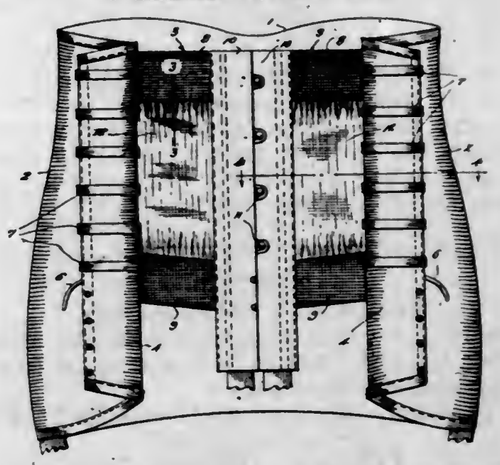
1. A circuit for providing a voltage having a square-root function with respect to time, comprising in combination: a source of potential having appreciable resistance; a series network comprising a resistance element, a capacitance element, and a shunt resistance-capacitance element, said network being connected across said source; and means adapted selectively to provide a relatively low-impedance path in shunt with said network; whereby said voltage is developed across said network upon removal of said path.

2,410,082

VENTILATED CORSET

Joseph J. Kispert, Branford, Conn.

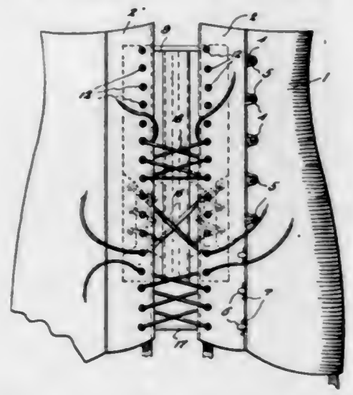
Application October 25, 1944, Serial No. 560,223
7 Claims. (Cl. 2—27)



1. A corset comprising a body open at the front and having closure portions and vest sections overlapped thereby, means for securing the closure portions together and stretched flat in compressing engagement with the vest sections, said vest sections each having horizontally extending upper and lower elastic strips secured at their rear ends, a vertical front strip secured along front ends of the upper and lower strips

with its lower portion extending below the lower elastic strip, a sheet of extensible porous fabric secured along its margins to the upper and lower strips and to the vertical strip and the body and being extensible and contractable with the elastic upper and lower strips, and means for detachably connecting the vertical strips of the vest sections with each other.

2,410,083
CORSET
Joseph J. Kispert, Branford, Conn.
Original application May 15, 1944, Serial No. 535,688. Divided and this application April 27, 1945, Serial No. 590,576
5 Claims. (Cl. 2—27)

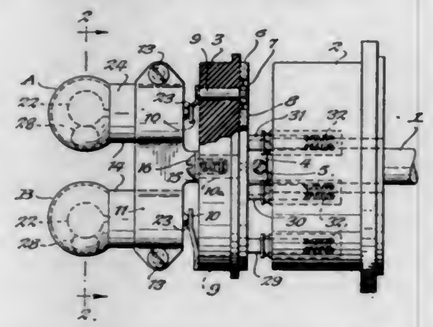


1. A garment comprising a body having a vest and closure portions overlying the vest when closed, said vest having side edges secured to the closure portions in spaced relation to inner and outer side edges thereof and provided with a vertically extending reinforcement midway its width, opposed strips sewed at side edges of said reinforcement and between the closure portions and side edges of the vest, said strips being spaced upwardly from the lower end of the vest and the vest having its lower end spaced upwardly from lower ends of the closure portions, eyelets carried by said strips and said closure portions, fasteners detachably connecting the inner side edges of one closure portion with said body, laces threaded upwardly back and forth through eyelets of said strips and then carried downwardly in diagonally crossed relation to each other to eyelets of the closure portions adjacent lower ends of the strips and threaded upwardly back and forth through eyelets of the closure portions, and other laces laced upwardly through eyelets in the closure portions between the first laces and upper and lower ends of the closure portions and releasably secured.

2,410,084
RECOVERY OF HEPARIN
Marvin H. Kuizenga, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application December 9, 1943, Serial No. 513,623
3 Claims. (Cl. 195—7)

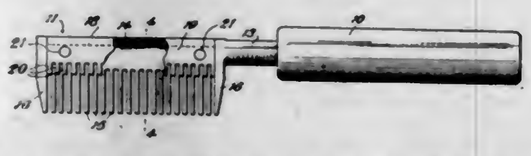
3. In a method for the recovery of heparin from animal tissue containing the same, the steps of finely subdividing the animal tissue, heating the subdivided tissue in mixture with water to between about 30° and 50° C., maintaining the mixture at between 20° and 25° C. until autolysis is substantially completed, extracting the mixture with dilute aqueous alkali and ammonium sulfate, acidifying the extract to precipitate crude heparin, washing the precipitated heparin with alcohol to remove fatty material, redissolving the solid residue in aqueous alkali, digesting this solution with trypsin, precipitating heparin from the digestion mixture, redissolving the precipitated heparin in dilute aqueous alkali, heating the solution to inactivate residual trypsin, precipitating heparin with alcohol, and separating and drying the heparin.

2,410,085
CIRCUIT CONTROLLER
Harry L. Lambert, Enfield, N. Y., assignor, by mesne assignments, to Walter J. Pickering, New York, N. Y.
Application June 26, 1943, Serial No. 492,395
13 Claims. (Cl. 200—80)



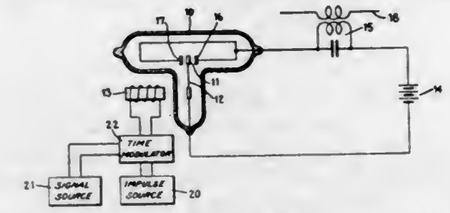
2. A circuit controller comprising a hollow housing having a closed chamber with a wall not wet by mercury, a rotatable element, a support carried by said element and mounting said housing eccentrically of the axis of rotation of said element for rotation with said element, said housing being separately rotatable, about its own axis, on said support, a body of mercury within and only partially filling said chamber, resting upon a side wall thereof and of a size to assume a curved form in which a substantial portion thereof is held away from and against spreading along said wall, solely by its surface tension opposing gravity, a conductor extending into said chamber and having therein a contact with an exposed surface area not wet by mercury, eccentric to said housing axis, and spaced from said chamber wall whereby when said housing is rotated with said element, said mercury will be confined by centrifugal forces, undivided and relatively immovable against the zone of said wall farthest from the axis of said element and electrically connected to and disconnected from said contact area as its shape is varied by the opposing centrifugal forces and surface tension, and a circuit connection to said mercury whereby the speed at which an electrical connection or disconnection is made between said contact area and said mercury may be varied by adjustment of said housing about its own axis on said support.

2,410,086
COMB
Charles Lewis, New York, N. Y.
Application October 20, 1944, Serial No. 559,528
3 Claims. (Cl. 132—14)



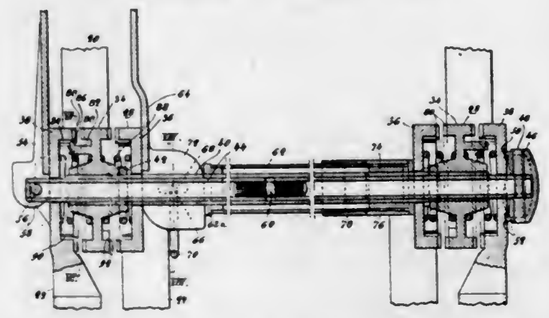
3. A comb comprising a main central member having a back portion with a row of substantially long teeth extending therefrom, said back portion being cut away between the end teeth thereof, a yoke resting in said cut away portion and secured to said back portion, said yoke forming a pair of auxiliary side members, each of said side members having a row of comparatively short teeth formed thereon, the ends of said short teeth terminating slightly beyond the bases of said long teeth and the short teeth being staggered in relation to the long teeth.

2,410,087
WAVE IMPULSE GENERATOR
Charles V. Litton, Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 25, 1942, Serial No. 432,226
5 Claims. (Cl. 250—17)



1. An impulse generator for generating short wave trains of high power comprising a source of direct current energy, an enclosed vibrator switch arrangement in series circuit with said source, electro-mechanical means for operating said switch arrangement to alternately make and break said series circuit to produce high current impulses, and a tuned circuit comprising a substantially closed resonant chamber forming at least part of the envelope of said enclosed switch and arranged in circuit with said switch for shock excitation by said impulses.

2,410,088
ADJUSTABLE CHAIR, BEDSTEAD, STRETCHER, OR THE LIKE
Carl Ernst Edvard Lundquist, Stockholm, Sweden
Application November 3, 1942, Serial No. 464,373
In Sweden November 14, 1941
11 Claims. (Cl. 287—101)

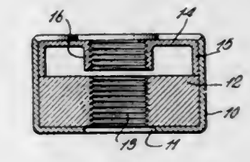


5. In a rotatable joint, three adjacent elements rotatable with respect to each other, shaft means including a plurality of telescoped shafts, at least one of said shafts extending axially through all of said elements, a first member carried by said shaft means and having axially displaceable surface, means responsive to axial displacement of said surface for locking the middle element to at least one of the outside elements, a second member carried by said shaft means and having axially displaceable surface, and means responsive to axial displacement of the surface on said second member for locking said middle element to at least the other outside element.

2,410,089
PRESSURE-SENSITIVE ADHESIVE TAPE
William E. Lundquist and Waldo Kellgren, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application August 17, 1944, Serial No. 549,963
8 Claims. (Cl. 117—122)

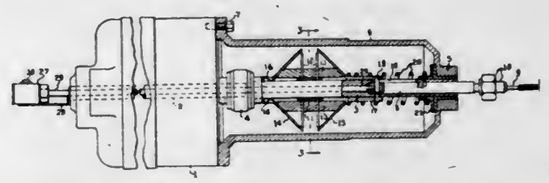
4. A pressure-sensitive adhesive tape having a unified paper backing member comprising a flexible porous paper impregnated and unified by a relatively non-tacky, non-hygroscopic copolymer of a vinyl ester and a neutral ester of an ethylene-alpha, beta-dicarboxylic acid in which at least about half of the carboxylic acid groups are esterified with a saturated beta-alkoxyethanol, said copolymer having a modulus of elasticity between 2½ and 25 megadynes per square centimeter.

2,410,090
SELF-LOCKING NUT
Albert C. Lusher, deceased, late of Waterbury, Conn., by the Citizens and Manufacturers National Bank of Waterbury, administrator, Waterbury, Conn.
Application June 29, 1944, Serial No. 542,685
8 Claims. (Cl. 151—21)



1. A device of the character described comprising a permanently assembled entity consisting of a metal cup-shaped shell of polygonal cross-section having a central aperture in its bottom, an apertured threaded nut member in said shell and having plane end surfaces one of which engages the cup bottom, and a sheet metal inset of polygonal configuration having a right-angle flange the rim of which engages the remaining end surface of said nut member with the remainder of said inset spaced from said remaining end surface, said inset having a central tubular threaded portion with its threads out of phase with the threads of said nut member and said shell having bendable means for engagement with said inset to lock the inset and nut member in said cup.

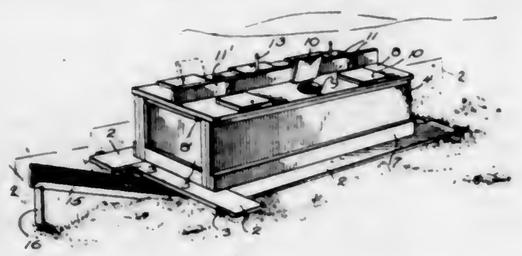
2,410,091
FEEDHEAD FOR ROTARY TOOLS
Edward J. Lynch, Detroit, Mich.
Application July 12, 1944, Serial No. 544,592
5 Claims. (Cl. 77—33)



1. In a feed head for rotary tools, the combination with a driven shaft and a tool holder slidable along and rotative with said shaft to feed a tool forwardly to a piece of work, a weight and means mounting it on the shaft for centrifugal outward actuation, a member slidable forwardly along the shaft responsive to outward actuation

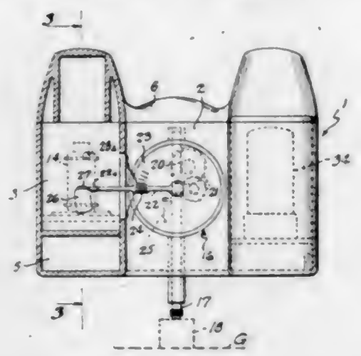
of the weight, and a tool-feeding connection from said member to the tool holder, of a brake shoe fixed on the shaft, a non-rotative member forwardly of and opposed to the brake shoe, a spring compressed between the shoe and said slidable member, to yieldably resist forward movement of said member, and means yieldably exerting forward pressure on the shaft to frictionally apply the brake shoe to said opposed member.

2,410,092
SANITARY FIELD LATRINE
Charles C. Martin, Savannah, Ga.
Application September 14, 1944, Serial No. 554,141
2 Claims. (Cl. 4—116)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



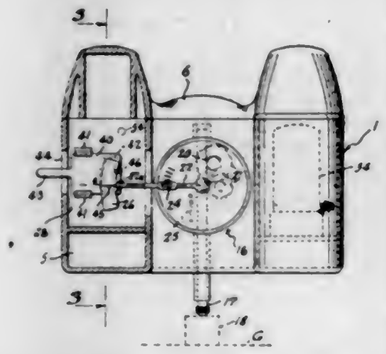
1. A portable and knockdown field latrine including separate end walls and side walls of wood, latches connecting the adjacent ends of said walls, a seat board, apertures in said seat board and covers for said apertures said covers being hinged to the seat board, a supporting member in back of and spaced from the rear of said hinged covers, said supporting member being attached to and extending above and lengthwise from end to end of the seat board, seat engaging stops attached to and extending outwardly from the side of said supporting member, said seat engaging stops contacting and preventing said covers from remaining in a vertical position when they are raised, spindles extending upwardly from the top of said supporting member for holding a roll of paper, spaced cleats on the underside of the seat board at the ends and sides thereof to straddle and engage the upper edges of the side and end walls, and means for engaging one of the faces of each of the side and end walls at the bottom thereof to prevent bodily movement of the latrine in a horizontal direction.

2,410,093
GAUGING DEVICE
Eugene F. Martinec, Cleveland, Ohio
Application March 15, 1943, Serial No. 479,239
2 Claims. (Cl. 33—147)



1. A gauging device comprising a photocell element, means for connecting said element with an indicating means to be controlled thereby, a light element positioned to provide a light beam to the cell element, means between the light element and the cell element to control the light beam comprising a wall member and a movable control member over the wall member, one of said members having a narrow slot therein for the light beam and the other member having a slot of sufficient width so that the first slot is in alignment therewith both if the part being gauged is of the correct given size and at least one measuring unit different from the correct size, said indicating means being so connected with the cell element as to give an indication when said slots are in alignment, a mechanical gauging element including a movable member positioned to be affected by the element to be gauged, and an operative connection from the latter movable member to the control member to shift said control member to correspond with the size of the element being gauged.

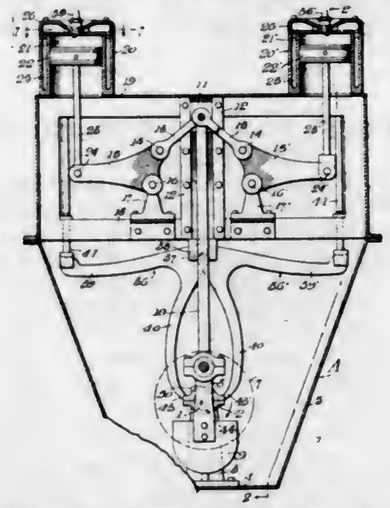
2,410,094
GAUGING DEVICE
Eugene F. Martinec, Cleveland, Ohio
Application March 17, 1943, Serial No. 479,430
10 Claims. (Cl. 33—147)



1. A gauging device comprising a photocell element, means for connecting said element with a device to be controlled, a light element positioned to provide a light beam to the cell element, a wall between the light and the cell provided with an opening for passage of the light beam, a shutter, means for adjustably mounting the shutter on the wall over said opening, said shutter being provided with a slot in alignment with the wall opening and inclined to the direction of movement of the shutter in adjusting it, a movable member including a portion movable over the slot and provided with an opening adapted to be brought into alignment with the slot, a gauging stem adapted to engage an element to be gauged, and an operative connection from the stem to the member.

2,410,095
INTERNAL-COMBUSTION ENGINE
William H. McInturff, Warrington, Fla.
Application July 20, 1942, Serial No. 451,655
2 Claims. (Cl. 74—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A pair of members operable in a prearranged order, a rotary member, and means connected to be actuated by said pair of members and connected to drive said rotary member, said means including a driving rod connected to said rotary member, a pair of pivotally mounted bell crank levers operable in opposed and unopposed relation, links connecting said levers with said driving

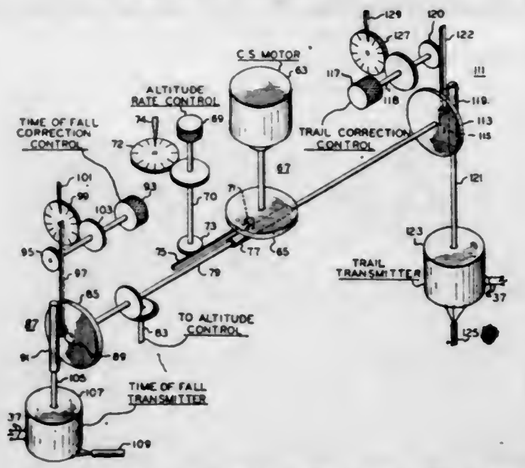


rod, and rods connecting said levers with said pair of members.

2,410,096
METHOD OF PREPARING HIGH MOLECULAR WEIGHT ALIPHATIC KETONES
Ronald E. Meyer and Ferdinand P. Otto, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application June 12, 1943, Serial No. 490,682
5 Claims. (Cl. 260—595)

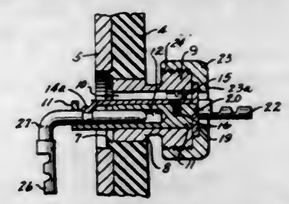
1. The method of preparing dioleyl ketone from oleic acid which comprises heating said acid at an elevated temperature above about 300° C. and below the destructive distillation temperature of said acid in the presence of an active metal which reacts with water to produce nascent hydrogen at said temperature and in a non-oxidizing atmosphere of substantially only evolved gases with a positive pressure produced by substantially only said gases.

2,410,097
GLIDE ATTACHMENT FOR BOMB SIGHTS
Frederick W. Morgenthaler, Brooklyn, and John S. Garwood, New York, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 427,162
5 Claims. (Cl. 244—77)



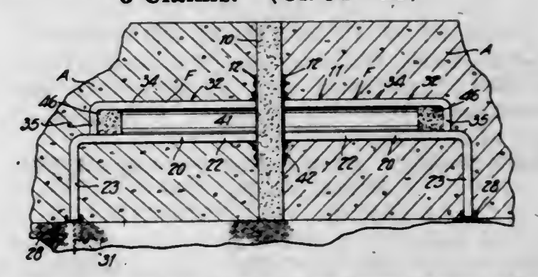
1. An aircraft provided with an automatic pilot having an altitude control, a bombsight carried by the aircraft having control means, means for actuating the altitude control to change the altitude of the aircraft, and means responsive to the operation of the actuating means for continuously adjusting the control means of the bombsight to compensate for the effect of changing altitude.

2,410,098
CONNECTOR ASSEMBLY, THERMOCOUPLE LEAD
Carl W. Muller, Osborn, Ohio
Application April 1, 1943, Serial No. 481,491
2 Claims. (Cl. 173—328)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An assembly of the character described comprising, in combination, an insulating body having a perforation therein and adapted to be secured to one side of a firewall or bulkhead having an opening, with the perforation and opening registering; a bushing or thimble secured to the insulating body within the perforation and having a longitudinal axial bore; a socket member made of conductive material and adapted to be loosely received in said axial bore, with one end thereof extending beyond the end of the bushing or thimble, so that said socket member end is exposed on the side of the firewall or bulkhead opposite to that on which said insulating body lies; said socket member having a central hole; a spring secured to said socket member and partially entering said hole; means secured to said socket member at the extreme end thereof and providing an abutment for the adjacent end of the bushing or thimble; a nut threaded on said bushing or thimble and engaging said means to secure the socket member immovably within the bushing or thimble; means to electrically connect a lead to the end of the socket member carrying said abutment-providing means; a conducting pin adapted to be manually insertable in the central hole in the socket member to make good electrical connection therewith, and then being frictionally engaged by said spring; and means to electrically connect a lead to said pin.

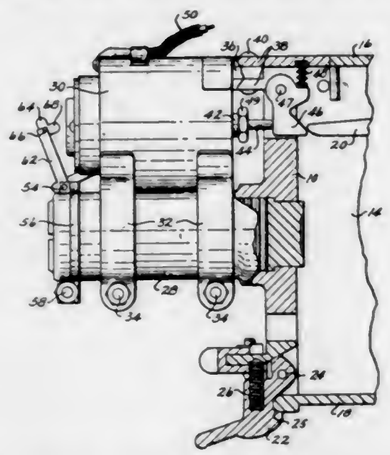
2,410,099
EXPANSION JOINT FOR CONCRETE ROADWAYS
Russell C. Olmsted, Harrington Park, N. J., and Arthur H. Harris, New Britain, Conn.; Hazel B. Olmsted, administratrix of said Russell C. Olmsted, deceased, assignor to said Harris
Application December 18, 1943, Serial No. 514,754
3 Claims. (Cl. 94—18)



1. An expansion joint structure comprising in combination, a filler strip adapted to close the

joint between adjacent ends of a pair of concrete slabs, said filler strip having a transverse passage therein, a dowel beam freely passing through said passage and having its ends disposed beyond opposite sides of said filler strip, a pair of metal frame structures having their respective inner ends fitting against opposite sides of the filler strip and slidably receiving the respective ends of the dowel beam, each of said frame structures including parallel top and bottom frame members of channel shape in cross section with the open sides thereof in confronting relation, legs carried by the outer ends of the frame structures for supporting the same in an elevated position above the subgrade of a roadway, and rupturable fastening means for securing the inner ends of the frame structures to opposite sides of the filler strip, said rupturable fastening means being adapted to break under expansion stresses of the connected slabs.

2,410,100
REMOTE-CONTROL FIRING MECHANISM FOR MACHINE GUNS
George R. Oscar, West Milton, and Wayne S. Boals, Dayton, Ohio
Application April 13, 1942, Serial No. 438,744
1 Claim. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



For use with a machine gun, a fire control device comprising a back plate, a buffer tube secured to said back plate, a trigger pivotally mounted on said back plate, a solenoid for electrically operating the gun, means for clamping said solenoid to said buffer tube, a plunger of extensible length within said solenoid aligned with said trigger so as to cause the gun to be fired when the solenoid is energized and permanently locked means secured to said solenoid and to said back plate for locating and holding said plunger in alignment with said trigger.

2,410,101
WAX-FREE PYRETHRIN SOLUTIONS
Joseph D. Park, Wilmington, Del., and William W. Rhodes, Westtown, Pa., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 6, 1944, Serial No. 517,260
3 Claims. (Cl. 167—24)

1. The process of stabilizing a propellant solution of pyrethrins in CCl_2F_2 which solution normally tends to precipitate waxes and fats in the presence of iron at temperatures above —20° C., which comprises the steps of chilling the solution to between about —10° C. and about —30° C. until wax precipitation has ceased and then separating the chilled solution from the precipitate.

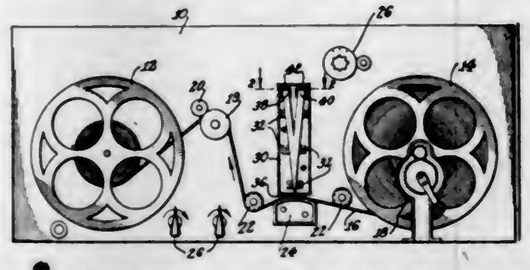
2,410,102
PROCESS FOR HYDROBLEACHING GLYCERIDE OILS
William J. Paterson, Newton Highlands, Mass., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
No Drawing. Application March 31, 1941, Serial No. 386,086
21 Claims. (Cl. 260—409)

1. A process for hydrobleaching glyceride oils to form edible products having a minimum of unsaponifiable components and an improved color and stability comprising treating the oil at a temperature of from 130 to 250° C. with hydrogen under a relatively high pressure in the neighborhood of 100 atmospheres, for a period of time not substantially greater than 60 minutes and in the presence of not substantially more than 0.5% of at catalyst having the general formula X—Y—O, in which X represents at least one metal selected from the group consisting of copper and silver, and Y represents at least one metal selected from the group consisting of chromium, vanadium, tungsten and uranium.

2,410,103
METHOD OF CURING ACRYLATE POLYMERS AND RESULTING PRODUCT
Leo W. Rainard, Cochituate, Mass., assignor, by mesne assignments, to National Dairy Products Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 28, 1942, Serial No. 467,205
1 Claim. (Cl. 260—79)

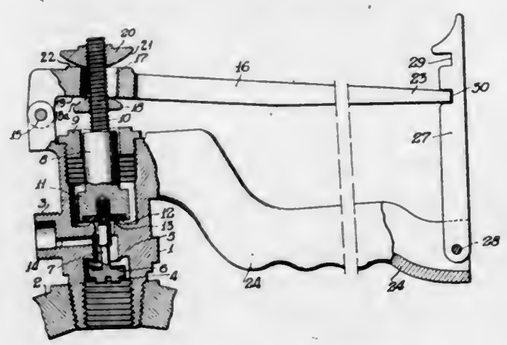
A process for forming an elastic composition substantially free from plastic flow, which comprises dissolving polymeric methyl ester of acrylic acid in benzene, passing bromine into said solution, separating the treated polymer from the benzene, mixing it with sodium sulfide, molding the mixture to the desired shape and vulcanizing the same with heat.

2,410,104
LIGHT DIRECTING DEVICE
Paul M. Rainey, Martinsville, N. J., assignor to Federal Telephone & Radio Corporation, a corporation of Delaware
Application August 27, 1942, Serial No. 456,431
11 Claims. (Cl. 250—41.5)



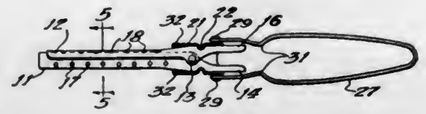
1. In combination, a substantially V-shaped light conducting device, a source of light positioned adjacent the end of one arm of said V-shaped device, a light sensitive element positioned adjacent the end of the other arm of the device, means for controlling the actuation of the light sensitive element by varying the amount of light reflected from the apex of the V through said other arm, said device having its lower apex portion formed with a small flattened scanning area and with opposite angular walls disposed for concentration of the light rays to said area.

2,410,105
VALVE
Valentin Remus, Brussels, Belgium; vested in the Alien Property Custodian
Application April 17, 1940, Serial No. 330,197
In Belgium April 29, 1939
1 Claim. (Cl. 251—32)



In a valve assembly, the combination of a body provided with a longitudinal bore; an annular valve seat in said bore; a valve member coacting with said seat; a second annular valve seat in said bore; a second valve member coacting with said second valve seat; a reciprocatory valve stem on which both members are mounted for unitary oscillation in said bore, the members being so related that when one member is seated the other member is unseated, and vice versa; a conduit communicating with said bore intermediate said seats; a lever pivoted on said body and connected with said stem for reciprocation thereof; locking means to prevent pivotal movement of said lever; a threaded extension on said stem; and the connection between the stem and lever including an adjustable stop threaded on said extension and co-acting with said lever when said lever is held immovable by said locking means, the adjustment of said stop determining the degree of sealing engagement of one of said valve members, when said valve member is seated.

2,410,106
HAIR CURLER
Frank D. Reynolds, Chicago, Ill., assignor to Gaylord Products, Incorporated, Chicago, Ill., a corporation of Delaware
Application January 26, 1945, Serial No. 574,742
5 Claims. (Cl. 132—34)



3. A hair curler comprising a curling member, a clamping jaw member pivotally connected to said curling member, said members having finger gripping portions extending rearwardly from their point of pivotal connection, a collar journaled on said members adjacent their connected portions, said collar having locking notches formed therein, a U-shaped wire bail having its ends pivotally connected to said collar and movable from the hair curling position to a hair locking position for yieldable interlocking engagement in said collar notches, said members being formed with grooves extending around the finger gripping portions thereof, said collar being formed with an annular bead for engagement in said grooves formed in said members for preventing axial displacement of said collar, the bead portion of said collar being formed with a plurality of annularly spaced recesses, and a protuberance disposed within the groove of one of said members for engagement in said recesses to provide yieldable step-by-step rotation of said collar.

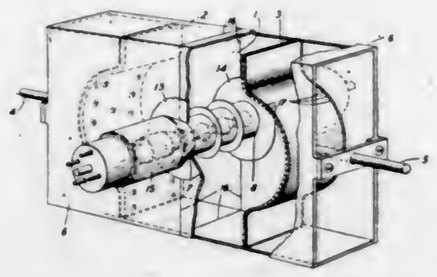
2,410,107
ALKYLATION PROCESS
Alexander N. Sachanen and Arlie A. O'Kelly, Woodbury, N. J., and Claude G. Myers, Bryn Mawr, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 11, 1943, Serial No. 502,018
20 Claims. (Cl. 260—683.4)

1. The process of alkylating a paraffinic hydrocarbon with an olefinic hydrocarbon, which comprises contacting a paraffinic hydrocarbon with an olefinic hydrocarbon, in gaseous phase in a reaction zone under alkylating conditions including a temperature varying between about 590° F. and about 850° F. and a pressure in excess of about 500 pounds per square inch, with an alkylation catalyst consisting essentially of a halogenated hydrocarbon selected from the group consisting of chlorine derivatives of acyclic hydrocarbons and bromine derivatives of acyclic hydrocarbons, that forms with said paraffinic hydrocarbon and with said olefinic hydrocarbon, a single, homogeneous gaseous phase under said alkylating conditions, and maintaining the paraffinic hydrocarbon in excess over the olefinic hydrocarbon in said reaction zone so that alkylation is the principal reaction.

2,410,108
ALKYLATION
Alexander N. Sachanen and Arlie A. O'Kelly, Woodbury, N. J., and Claude G. Myers, Bryn Mawr, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 15, 1944, Serial No. 554,342
20 Claims. (Cl. 260—683.4)

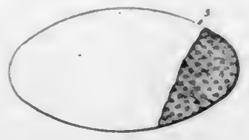
16. In a process of alkylating a paraffinic hydrocarbon with an olefinic hydrocarbon, which includes reacting a paraffinic hydrocarbon with an olefinic hydrocarbon in a reaction zone under alkylating conditions, in the presence of an alkylation catalyst; the improvement which comprises contacting said paraffinic nydrocarbon and said olefinic hydrocarbon in gaseous phase in a reaction zone under alkylating conditions including a temperature varying between about 590° F. and about 850° F. and a pressure in excess of 500 pounds per square inch, with an alkylation catalyst consisting essentially of material selected from the group consisting of acyclic organic halogen compounds, alicyclic organic halogen compounds, and aromatic organic halogen compounds, that forms with said paraffinic hydrocarbon and said olefinic hydrocarbon, a single, homogeneous gaseous phase under said alkylating conditions, and maintaining said paraffinic hydrocarbon in excess over said olefinic hydrocarbon in said reaction zone so that alkylation is the principal reaction.

2,410,109
VARIABLE CAVITY RESONATOR
John C. Schelleng, Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 13, 1943, Serial No. 475,750
13 Claims. (Cl. 178—44)



1. A substantially closed electrically resonant cavity of which the resonant frequency is dependent upon its dimensions and which has a rigid portion of the cavity shell movable, plunger-like, back and forth in opposite directions to vary the dimensions and thereby the resonant frequency of the cavity, the resonant frequency being determined by the position of the movable shell portion and the contour of the inner surface of the shell portion being such that when that portion is moved from one extreme position to the other extreme position at least two of the three orthogonal principal dimensions of the cavity are effectively changed to cooperate in changing the resonant frequency thereof.

2,410,110
METHOD OF MAKING TABLETS
Harden F. Taylor, New York, N. Y., assignor, by mesne assignments, to Brewer & Company, Inc., Worcester, Mass., a corporation of Massachusetts
Application January 14, 1943, Serial No. 472,416
7 Claims. (Cl. 167—82)



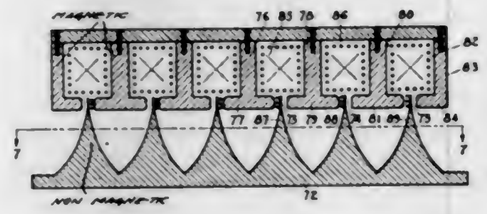
1. A method which comprises tumbling compressed tablets having edges and a straight side to cause said tablets to abrade one another and continuing the tumbling until the tablets have acquired shapes approximating ellipsoids.

2,410,111
TREATMENT OF HYDROCARBONS
Charles L. Thomas and Vladimir Haensel, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 20, 1939, Serial No. 257,464
6 Claims. (Cl. 260—671)

1. A process for producing alkylated aromatics which comprises reacting an aromatic with an olefin in the presence of an alkylating catalyst comprising silica and zirconia.

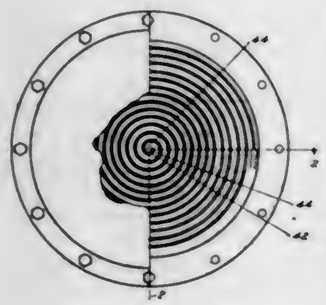
2. A process for producing alkylated aromatics which comprises reacting an aromatic with an olefin in the presence of an alkylating catalyst comprising silica, alumina and zirconia.

2,410,112
OSCILLATOR
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application May 8, 1936, Serial No. 78,719
6 Claims. (Cl. 177—386)



1. Means for producing compressional waves substantially near or above the audibility of sound to the human ear for producing a beam of compressional wave energy, said means comprising a radiating element composed of concentric bodies of revolution having longitudinal sections taken on the axis of revolution formed as exponential horns, means holding said radiating elements only at the edge thereof and means provided at the small end of said bodies for vibrating the same in a direction normal to the radiating surface.

2,410,113
OSCILLATOR
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application March 23, 1936, Serial No. 70,365. Divided and this application October 14, 1937, Serial No. 168,920
7 Claims. (Cl. 177—386)



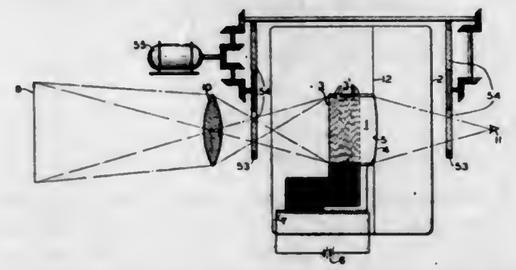
1. A device for producing a beam of supersonic compressional wave energy comprising a plate having a large diameter compared with the wave length of the wave to be produced, a magnetostrictive sheet formed in a spiral with one edge of the sheet fixed to said plate, the spiral forming with the plate a vibrational system of one-half wave length with the vibrational node in the spiral adjacent the plate, and a single copper turn following the spiral on one side from the outer end of the sheet to the center of the spiral, passing around the central end of the latter, and following the other side of the spiral to its outer end.

2,410,114
COUPLING ARRANGEMENT FOR USE IN WAVE TRANSMISSION SYSTEMS
Warren A. Tyrrell, Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application December 31, 1942, Serial No. 470,810. Divided and this application December 28, 1943, Serial No. 515,877
9 Claims. (Cl. 178—44)

1. An arrangement for coupling four wave transmission media in a wave transmission system comprising a closed transmission loop consisting of four coupled loop portions with lumped circuit constants equivalent to a section of transmission line of predetermined wavelength, means for electrically connecting said wave transmission media as branches to said loop at respectively different junctions of the four loop portions, at least one of said branches being connected electrically in series with said loop, the types of electrical connection of the other branches to said loop being selected and the characteristic impedances of the four branches with respect to that of said loop and the lumped circuit constants of the four coupled loop portions being proportioned so as to substantially prevent wave transmission at certain frequencies between the transmission branch connected to each loop junction and the transmission branch connected to the oppositely situated loop junction, and to enable efficient wave transmission at said certain frequencies between the transmission branch connected to each loop junction and the two transmission branches connected to the next adjacent loop junctions around the loop.

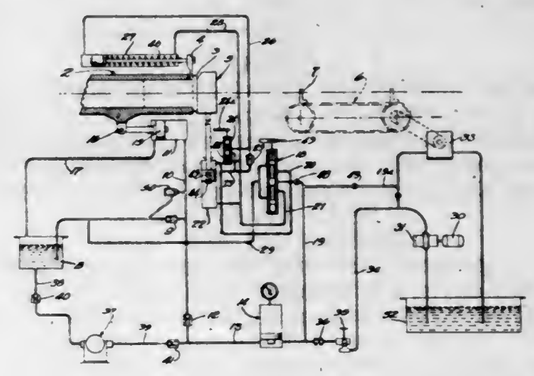


2,410,115
IMAGE INTENSIFIER
Russell H. Varian, Wantagh, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application September 2, 1942, Serial No. 457,097
10 Claims. (Cl. 250—153)



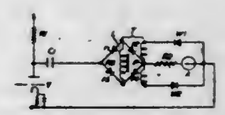
1. A light amplifier comprising means for producing an optical image of an object, a photoelectron emissive cathode for producing a primary electron stream forming an electron image from said optical image, electron permeable and secondary electron emissive surfaces for producing an intensified electron image from the primary electron image, said surfaces being separated only sufficiently to maintain electrical insulation therebetween whereby said electron stream is intensified with minimum loss of detail in said electron image caused by secondary electron emission velocities, a fluorescent screen, and means projecting said intensified electron image on said screen for producing an intensified optical image of said object.

2,410,116
BREECH ACTUATING AND CONTROL SYSTEM
Harry F. Vickers, Detroit, Mich., assignor, by mesne assignments, to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application December 12, 1935, Serial No. 54,026
9 Claims. (Cl. 89—4)



1. A gun breech actuating and control system comprising a hydraulic motor for actuating a rammer, hydraulic motors for respectively actuating a breech block and ejector, a hydraulic pressure accumulator connected to, and adapted to accumulate liquid under pressure for actuating said motors, a pump to be actuated by the recoil of the gun for charging the accumulator with liquid under pressure, a manually operated control valve interposed in hydraulic connection between said accumulator and breech block and ejector motors and adapted to direct liquid under pressure to said motors, and a control valve operated by the movement of said breech block to direct pressure to said ejector motor to cause the ejecting movement of said ejector.

2,410,117
VISUAL INDICATOR FOR RADIO BLIND APPROACH SYSTEMS
Jeffrey Dennis Weston, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application May 4, 1943, Serial No. 485,614
In Great Britain May 11, 1942
8 Claims. (Cl. 177—352)



1. In an arrangement for distinguishing visually between two signals of the same rectangular curren: wave form but whose variations are of opposite signs which comprises means for developing from either signal a comparison signal current of constant sign, means for combining this comparison signal current with the original signal current to obtain a direct current signal whose sign depends upon the sign of the original signal variations, and means for deriving from this direct current signal an indication of its sign.

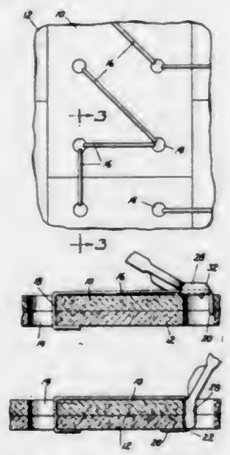
2,410,118
METHOD OF PRODUCING TRIALKYL PHOSPHATE ESTERS
Willard H. Woodstock, Flossmoor, and Paul E. Pelletier, Jr., Chicago Heights, Ill., assignors to Victor Chemical Works, a corporation of Illinois
No Drawing. Application April 5, 1944, Serial No. 529,680
2 Claims. (Cl. 260—461)

1. The method of producing trialkyl phosphate which comprises heating a mixture of from 2 to 6 moles of an acid dialkyl phosphate with 1 mole of caustic soda at a temperature of 100° to 300° C., and separating the trialkyl phosphate produced.

2,410,119
PRODUCTION OF TITANIUM COMPOUNDS
Ray Leroy McCleary, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1944, Serial No. 557,381
4 Claims. (Cl. 260—429)

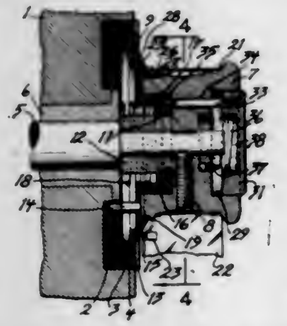
1. A process for obtaining a water-soluble titanium oxygen compound comprising reacting a titanium halide with a tertiary alcohol.

2,410,120
METHOD OF ATTACHING CLIPS
Lester V. McDonnell and Percy Satterlee, Detroit, Mich.
Application October 29, 1943, Serial No. 508,100
6 Claims. (Cl. 153—1)



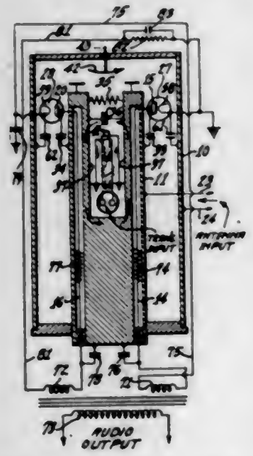
1. That method of securing two juxtaposed sheets of material provided with spaced apart registering apertures securely in juxtaposition comprising providing a wire clip having a U-shaped hook at one end and having its opposite end bent at a right angle to the base of the clip, inserting the hook end of the clip through one pair of registering apertures of the two sheets and drawing said hook to a seat over said sheets binding the two sheets together, and drawing the base of the clip across one sheet with its opposite end over-hanging a spaced pair of registering apertures, gripping the base of the clip adjacent to such spaced end and over said pair of apertures and through a distance approximating the thickness of the two sheets through said apertures, and bending the gripped portion of the base of the clip angularly relative to the ungripped portion of the base forcing said gripped portion of the clip through said apertures thus forming a hooked end thereon for holding the two sheets together adjacent to said apertures.

2,410,121
SPROCKET DEVICE
Louis A. McNabb, Glenview, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application June 8, 1945, Serial No. 598,385
14 Claims. (Cl. 74—243)



1. In a sprocket device, the combination with a support, of a revoluble sprocket carried therewith in projecting relation with the same and provided with sprocket teeth in the region of its inner end, a strip retaining guide disposed in the region of the inner end of said sprocket and provided with a guide surface facing radially of and toward the sprocket axis and engageable with the outer face of a perforated strip engaged on said sprocket, and said guide being mounted for movement axially of said sprocket into and out of strip guiding position.

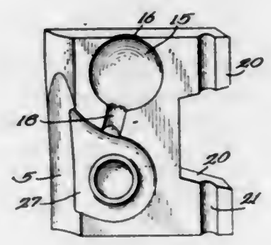
2,410,122
BALANCED DETECTOR FOR ALTIMETERS
William R. Mercer, Hightstown, and Ben R. Cole, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 9, 1944, Serial No. 539,528
8 Claims. (Cl. 250—27)



1. A balanced detector comprising a tuned coaxial line having an outer conductor and an inner conductor, said inner conductor having an end section that is bifurcated and capacity terminated to form a tuned two-wire line section, a pair of rectifiers, one rectifier being connected between said outer conductor and one side of said bifurcated section, the other rectifier being connected between said outer conductor and the other side of said bifurcated section, means for applying signal to said coaxial line, said signal lying within the frequency range to which said coaxial line is tuned, means for simultaneously applying signal to said two-wire line section, said last signal lying within the frequency range to which said two-wire line section is tuned, and

means for supplying from said diodes to a utilization circuit any beat frequency signal resulting from an instantaneous frequency difference of said signals.

2,410,123
METHOD AND APPARATUS FOR APPENDAGING POTTERY WARE
William J. Miller, Swissvale, and Ashley J. Reek, Carrick, Pa., assignors to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 27, 1943, Serial No. 473,670
4 Claims. (Cl. 25—129)



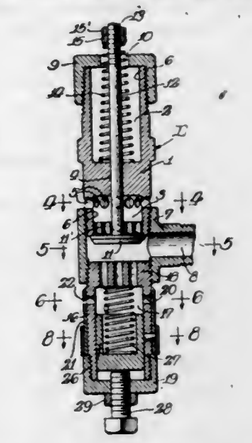
1. A mold for casting an appendage on prefabricated potteryware comprising, a separable body having a ware engaging surface contoured to fit the exterior surface of the ware, a molding cavity in which the appendage is formed having an outlet through the ware engaging surface and a pouring passage through which casting slip is poured into the molding cavity formed for producing a waste piece joined to the appendage by an elongated neck that is substantially narrower than either the appendage or the waste piece and provides a rupture area having less resistance to breakage than either the appendage or the waste piece.

2,410,124
PRODUCTION OF PLASTICIZED PROLAMINE AND DERIVATIVE COMPOSITIONS
Willard L. Morgan, Columbus, Ohio, assignor of one-half to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware, and one-half to American-Maize Products Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 24, 1944. Serial No. 565,065
18 Claims. (Cl. 106—153)

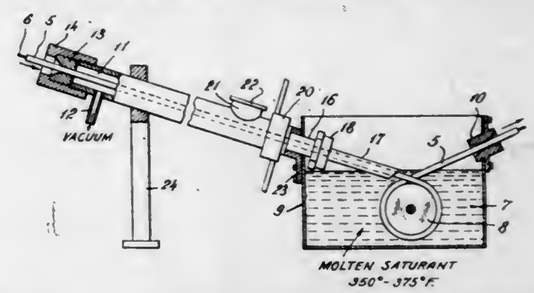
1. A plasticized "prolamine-base" composition of matter comprising alkyl branched-chain organic fatty acid in which the total number of carbon atoms in the molecule is in the range from 4 to 18 inclusive, and "prolamine-base" protein.

2,410,125
AUXILIARY AIR FURNISHING DEVICE
Philip C. Nilles and Joseph A. Steffen, Chicago, Ill.
Application June 25, 1946, Serial No. 679,254
2 Claims. (Cl. 277—60)

2. An auxiliary air furnishing device, comprising relatively opposed casings each having a way in the inner end thereof and each of said casings having air-inletting means in its respective wall beyond its said way, spring engaged valve means normally seated adjacent and over the way of one casing, a spring engaged cylindrical valve slidably received in the remaining casing normally arranged beyond the air-inletting openings in said remaining casing, and means engaging the adjacent ends of the opposed castings for communicably connecting the same to an intake manifold.

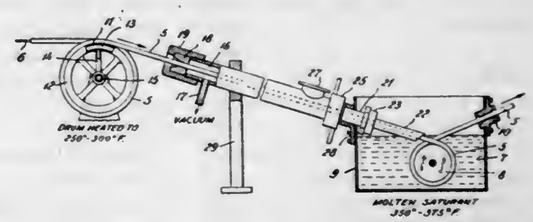


2,410,126
MACHINE FOR IMPREGNATING ELECTRIC INSULATION
John W. Olson, Hastings-on-Hudson, N. Y., assignor to Anaconda Wire and Cable Company, New York, N. Y., a corporation of Delaware
Application September 16, 1943, Serial No. 502,631
9 Claims. (Cl. 91—13)



1. The combination with means for holding a hot saturant bath for impregnating fibrous insulation surrounding an electric conductor, of an elongated vacuum chamber operatively communicating with said chamber and having a removable die at each end thereof for sealing the ends of the chamber when the conductor with its covering of fibrous insulation is drawn through the chamber and the saturant in a substantially continuous manner.

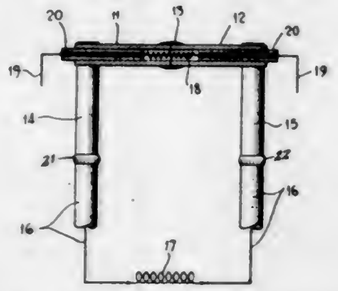
2,410,127
MACHINE FOR IMPREGNATING ELECTRIC INSULATION
John W. Olson, Hastings-on-Hudson, N. Y., and Charles W. Bechle, Sycamore, Ill., assignors to Anaconda Wire and Cable Company, New York, N. Y., a corporation of Delaware
Application September 16, 1943, Serial No. 502,632
4 Claims. (Cl. 91—13)



1. The combination with means for holding a saturant bath for impregnating fibrous insulation

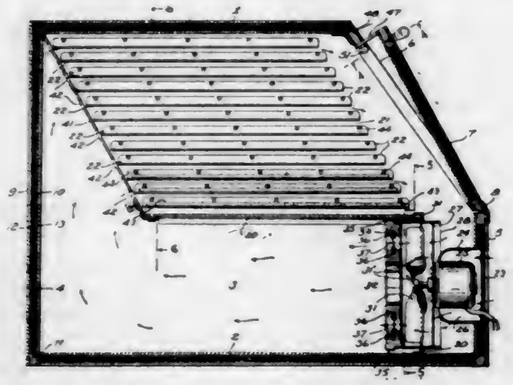
surrounding an electric conductor as the covered conductor is drawn through the bath of staturant in a substantially continuous manner, of means for heating the fibrous insulation in the course of its travel towards the bath of saturant until its moisture content is substantially negligible, and a vacuum chamber through which the dried covered conductor passes in its travel from said heating means to the bath of saturant.

2,410,128
THERMOELECTRIC GENERATING DEVICE
Eugene Paille, Los Angeles, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application February 28, 1944, Serial No. 524,157
7 Claims. (Cl. 136—4)



2. A tubular thermoelectric generating device formed by a pair of tubular members of thermoelectrically dissimilar materials joined together at one of their respective ends to form a hot junction, and an electric heating element within said device adjacent said hot junction, the other of the ends of said members being so remote from said heating element that they are not substantially affected by the heat thereof.

2,410,129
DEHYDRATOR
George H. Phelps, Floral Park, N. Y., assignor to Metropolitan Device Corporation, Brooklyn, N. Y., a corporation of New York
Application March 11, 1943, Serial No. 478,755
2 Claims. (Cl. 34—193)



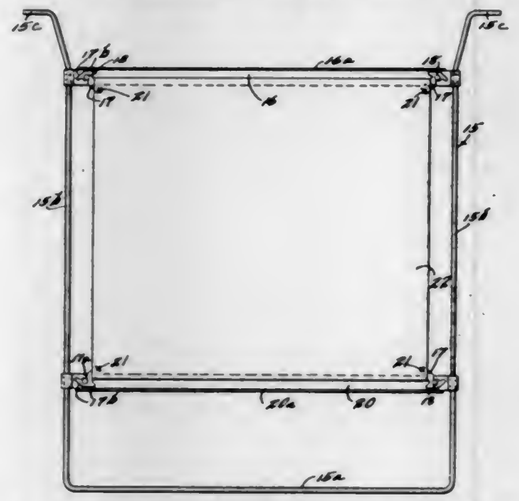
1. In a dehydrator especially suitable for dehydrating fruits and vegetables and comprising a cabinet having an air passage therein, means for causing air to pass through the air passage and a series of tray supports within the passage; a plurality of solid trays on the supports and extending from side wall to side wall of the air passage, each tray having a roughened surface which consists of irregular, closely related, minute projections, whereby fruits or vegetables placed thereon are supported by the projections and out of contact with the tray.

2,410,130
HAIR CLIP
Leona T. Plumtree, South San Francisco, Calif.
Application January 27, 1945, Serial No. 574,923
3 Claims. (Cl. 132—46)



2. A hair clip for holding a curl of hair comprising a resilient wire turned back upon itself in a close U-shape, one end of the wire constituting a flat resilient substantially involute coil completely overlying the opposing free end of the wire and spaced from the turn in the wire.

2,410,131
FILM HOLDING DEVICE
Robert Sardeson and Edward H. Savela, Minneapolis, Minn., assignors to Pako Corporation, Minneapolis, Minn., a corporation of Delaware
Application July 22, 1942, Serial No. 451,940
6 Claims. (Cl. 95—100)

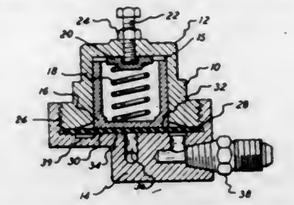


1. A film holding device having in combination, a frame comprising spaced parallel vertical guides, a top member extending between and secured thereto, arms pivoted to said member adjacent said guides swingable about horizontal axes, a bottom member extending between and vertically slidable on said guides, arms pivoted to said bottom member adjacent said guides and freely swingable about horizontal axes, film holding means carried by said arms adjacent the free ends thereof whereby a film can be supported on said means extending therebetween and is held under vertical tension by said bottom member and can expand laterally and be laterally tensioned by the swinging movement of said arms.

2,410,132
LINE PRESSURE VALVE
John Smisko, Washington, D. C., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application April 20, 1944, Serial No. 531,899
2 Claims. (Cl. 188—152)

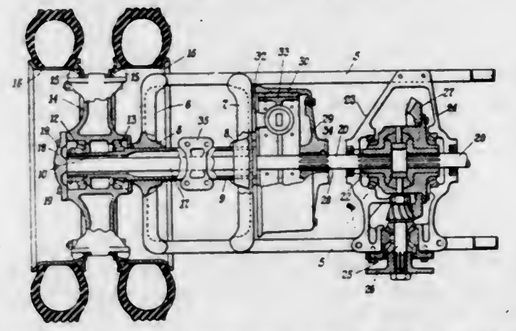
2. In combination with a hydraulic brake system having brake elements moved relative to each other on brake application and release, retracting means for providing clearance between said elements upon brake release, a fluid motor actuating one of said elements, a pressure source and a conduit for fluid flow in communication with said fluid motor and said pressure source, a pressure

valve in said conduit maintaining a pressure higher than atmospheric between said pressure valve and said fluid motor, said pressure valve having a movable part of relatively large area, a valve seat for said valve part, a port of relatively small area in said valve seat in communication with said fluid motor, said movable valve part



having a face complementary to said valve seat, means for stressing said valve part to said seat to maintain pressure in said fluid motor, a chamber circumscribing said seat in communication with said movable valve part, and a port in said circumscribing chamber communicating to said pressure source.

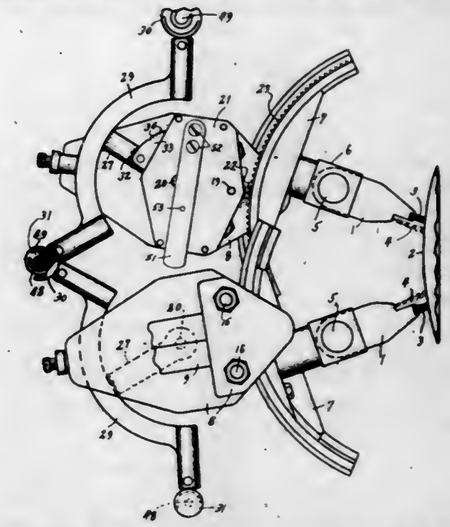
2,410,133
AXLE
George Spatta, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application June 19, 1944, Serial No. 540,921
4 Claims. (Cl. 180—75)



1. An axle construction comprising a pair of tubular spindles disposed in coaxial spaced relation, wheels rotatably mounted on the ends of said spindles, means interconnecting said spindles comprising a rigid rectangular frame having parallel end members receiving the inboard ends of said spindles and including parallel side members interconnecting said end members, a differential extending across said side members and supported at the center thereof, axle shafts leading from opposite sides of said differential through said spindles and bolted to said wheels for driving the same from said differential, said shafts being unenclosed between said spindles and said differential brake drum means on said shafts intermediate said differential and the inboard ends of said spindles, and brake drum engaging means supported on the inner face of said end members.

2,410,134
METHOD AND APPARATUS FOR FLAME HARDENING
Lawrence J. Stevenson, Torrance, and Lloyd L. Babcock, Compton, Calif., assignors to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 16, 1942, Serial No. 427,012
20 Claims. (Cl. 148—21.55)

1. The method of flame hardening a continuous surface, comprising the steps of directing two separate heating flames against a common position on said surface, traversing the flames simultaneously in opposite directions with respect to said surface, directing streams of quenching fluid against the surface immediately following application of the flames, changing the angle of



impingement of the flames during the traversing movement from a lagging direction to a leading direction, extinguishing both flames upon their meeting at a common location on the surface remote from the starting position, and continuing the application of quenching fluid until the entire heated portion has been quenched.

2,410,135
METHOD OF MAKING SLIDE FASTENER STRINGERS
Gideon Sundback, Meadville, Pa.
Application January 1, 1943, Serial No. 470,984
In Canada October 21, 1942
3 Claims. (Cl. 29—148)

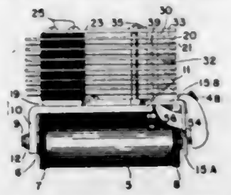


1. The method of making stringers for slide fasteners which comprises casting interlocking elements from metal of low tensile strength and having a head and a pair of projecting legs forming a groove between the legs, inserting one edge of a tape in the groove and clamping the interlocking elements on the tape by compressing the metal of the elements sufficiently to bring the legs in contact with the tape while pressing on the legs to prevent tension stress in the legs incidental to such compression.

2,410,136
MULTICONTACT RELAY
Andrew W. Vincent, Rochester, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application February 23, 1945, Serial No. 579,335
4 Claims. (Cl. 200—104)

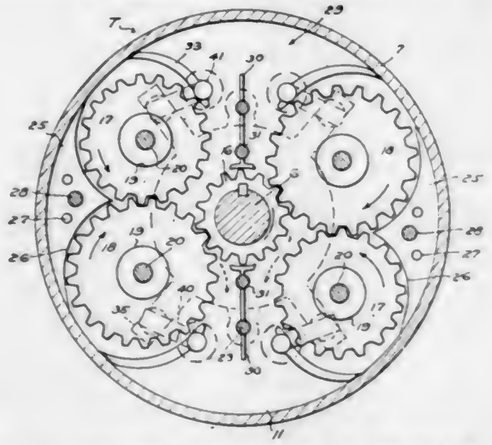
1. In a relay, a core provided with a coil, a frame for supporting said coil and said core and also providing spaced apart bearing portions, an angular armature having its inner corner engaging said bearing portions, whereby said armature can rock thereon with a first part of the armature movable toward and away from said core

and with a second part of the armature movable toward and away from a part of the frame, contact springs mounted on said frame and arranged to be actuated in response to movement of the second part of said armature, a support extending along the longest margin of said first part of the armature to provide adjustability for and to



give rigidity to the armature, said support being provided with a plurality of fulcrum parts engaging spaced points on the outer bend of said armature, said support being also provided with spaced portions engaging the inner surface of the second part of the armature, and means for adjusting said support toward and away from the first part of the armature.

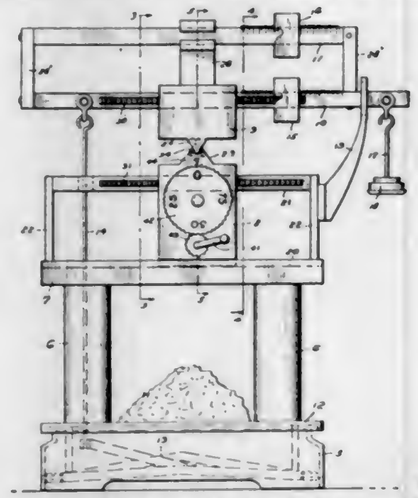
2,410,137
POWER TRANSMISSION APPARATUS
George Wallach, Chapman Camp, British Columbia, Canada
Application July 19, 1944, Serial No. 545,693
6 Claims. (Cl. 192—61)



1. In a driving apparatus, a variable speed planetary type hydraulic transmission comprising, in combination with aligned driving and driven shafts, a housing having a pump chamber, means to secure said housing on the driving shaft for rotation with the latter, gear pumps arranged in said pump chamber at opposite sides of the housing and spaced apart to provide an oil space therebetween, each gear pump including intermeshing gears journaled for rotation relative to the housing upon axes parallel with the driving and driven shafts, a sun gear secured on the driven shaft and meshing with one gear of each pump, and swinging valve gates for controlling the flow of oil from said oil space to the respective pumps between both gears of each pump and the periphery of the housing, and manually operable means for operating said gates to regulate the opening or closing thereof.

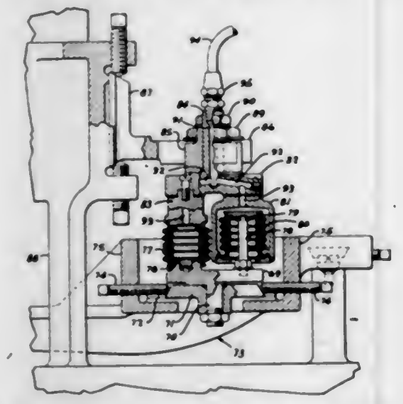
2,410,138
BATCH SCALE
Francis V. Werner, Bridgeton, N. J.
Application August 17, 1945, Serial No. 611,007
5 Claims. (Cl. 265—53)

1. In a batch scale, a balance-beam, an element to receive the material to be weighed connected to one end of the balance beam, means to facilitate imposition of predetermined weights on the other end of said balance-beam, a base member, a lower fulcrum member on said base member, an upper fulcrum member carrying said balance-beam and tiltable on the lower fulcrum member, said fulcrum members being adjustable relative to the base and the balance-beam longitudinally of the latter, a weight ad-



justable longitudinally of the balance-beam, and manually operable means to simultaneously adjust the fulcrum members and the weight in the same direction and in either direction for any desired predetermined distance relative to the base and the balance-beam, said means causing a differential movement between the weight and the fulcrum members to keep the balance-beam balanced as the fulcrum members are adjusted.

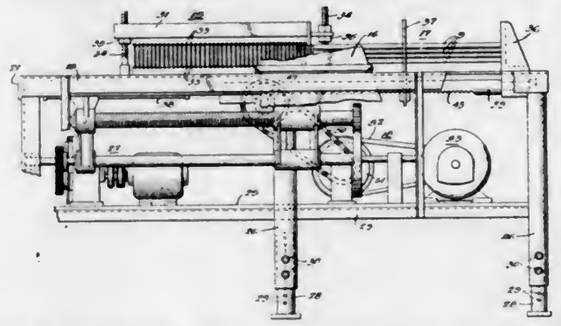
2,410,139
WEIGHING SCALE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application February 24, 1944, Serial No. 523,670
8 Claims. (Cl. 265—47)



1. In a weighing scale incorporating hydraulic force transmission elements, in combination, a plurality of capsules supporting a load receiver, the capsules being adapted to transform mechanical force into hydraulic pressure, a plurality of bellows, one for each capsule, adapted to transform hydraulic pressure into mechanical force, means for hydraulically connecting each capsule to its corresponding bellows, means for combining, counterbalancing, and indicating the mechanical force exerted by the bellows, some of said bellows being adapted to receive hydraulic pressure internally, the remainder of said bellows being enclosed in chambers and adapted to re-

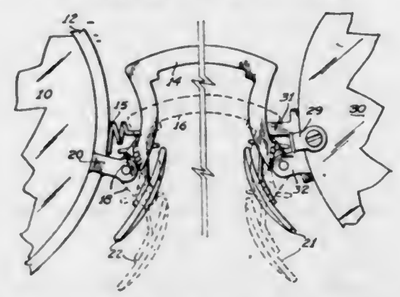
ceive hydraulic pressure externally, the capsules connected to the bellows receiving hydraulic pressure internally being arranged symmetrically with respect to the capsules connected to the other bellows, whereby loads supported by the capsules in combination will be correctly indicated.

2,410,140
TUBE ASSEMBLY MACHINE FOR HEAT-EXCHANGE CORES
Fred M. Young, Racine, Wis., assignor to Young Radiator Company, Racine, Wis., a corporation of Wisconsin
Application April 23, 1945, Serial No. 589,790
3 Claims. (Cl. 29—202)



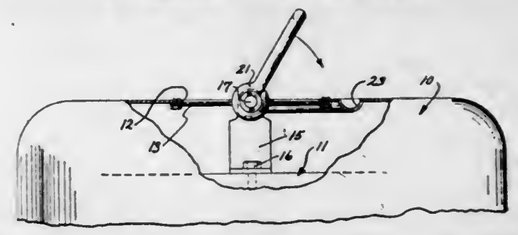
1. A machine for assembling a plurality of slotted laminae on a plurality of transverse bonding elements comprising, a supporting frame, an assembly jig on said frame for supporting a plurality of slotted laminae with the slots therein in alined registration, a pusher mounted on said frame for movement transversely of the assembled laminae for pushing a plurality of bonding elements simultaneously through the registered laminae slots, driving means for advancing and retracting said pusher, and a bonding-element bracing-member reciprocatingly mounted intermediate said jig and pusher and movable between a retracted position abutting said jig to permit the insertion of the ends of the bonding elements into the registered slots in the directly adjacent assembled laminae and an extended position intermediate said jig and retracted pusher to brace the bonding elements during the initial movement of said pusher.

2,410,141
VERTICALLY ADJUSTABLE BIFOCAL SPECTACLES
Julius S. Zell, Portland, Oreg.
Application September 6, 1943, Serial No. 501,412
3 Claims. (Cl. 88—49)



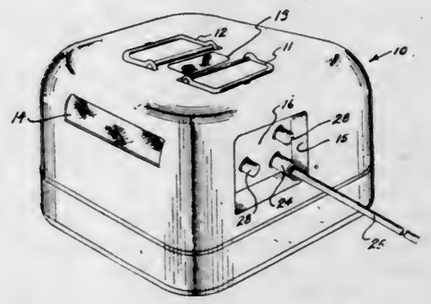
1. A mounting for spectacles having bifocal lenses, said mounting comprising a pair of elements secured to said lenses respectively, a pair of bridge assemblies located between the nasal sides of said lenses, said bridge assemblies connected to said elements, one of said bridge assemblies carrying nose rests and including toggle joints in its connections with said elements, the axes of said toggle-joints being at right angles to the plane of said lenses and said toggle-joints adapted to enable said lenses to be adjusted to high or low positions with respect to said nose rests upon a slight movement of said lenses apart, a spring section included in the other bridge assembly, said spring section connected to one of said elements and adapted to allow sufficient movement apart of said lenses to permit the making of such adjustment while enabling said lenses to be held in either said high or low position as desired, the major portions of said bridge assemblies being of similar size and shape and said assemblies so arranged as to give the general impression of a single bridge assembly when said lenses are in low position.

2,410,142
PORTABLE POWER UNIT—HANDLE COOLING
Peter Altman, Detroit, Mich., assignor to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application June 4, 1945, Serial No. 597,537
5 Claims. (Cl. 123—198)



5. A portable internal combustion engine combination, comprising an engine block, a carrying handle, metallic brackets connecting ends of said handle to said block, and a covering shield for said engine having an air inlet opening positioned between and directly adjacent said brackets whereby inrushing air cools said handle and brackets rendering the handle comfortable during operation of said engine.

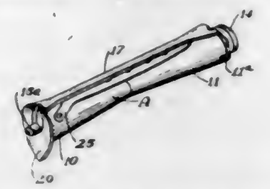
2,410,143
PORTABLE ENGINE
Peter Altman, Detroit, Mich., assignor to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application June 4, 1945, Serial No. 597,538
5 Claims. (Cl. 123—195)



5. In a portable self-contained power unit, a plurality of simultaneously operating power spindles located with parallel axes and projecting an equal distance from an engine block on one side thereof, and a housing assembly surrounding the entire unit spaced on the spindle side of the engine a distance away from the block equal to the projections of said spindles, and a recessed portion in said spaced wall facing said

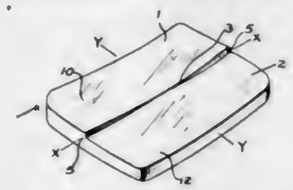
engine block and surrounding said power spindles, and independent removable means capping the unused power spindles and secured to said housing.

2,410,144
HAIR CURLER
Jack Ashford, Jackson Heights, N. Y.
Application March 9, 1945, Serial No. 581,786
2 Claims. (Cl. 132—42)



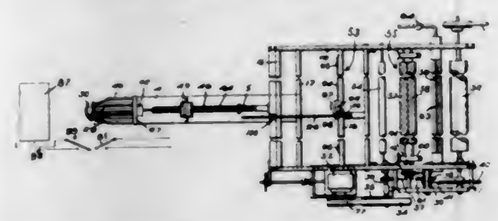
2. A hair curler of the character described, comprising an elongated body formed of two separate members adapted to be detachably connected together in axial relation, one of said members having an axial bore extending the entire length thereof, the other member having an elongated stem at one end thereof adapted to be telescoped through said bore of said one member when the members are assembled in operable relation with the terminal end of said stem projecting a short distance beyond the outer end of said one member, said stem and bore having cooperating features adapted to be engaged when said members are axially assembled for keying said members together for rotation as a unit, and an elongated strap of yieldable material connected at one end to the outer end of said other member and detachably connectible to said terminal end of said other member, when said members are operably connected together, for releasably maintaining said members in such connected relation.

2,410,145
LENS AND PROCESS OF MAKING THE SAME
Ralph F. Bardwell, Southbridge, and John H. Smith, Taunton, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Original application October 11, 1939, Serial No. 299,006. Divided and this application January 4, 1943, Serial No. 471,248
6 Claims. (Cl. 88—54)



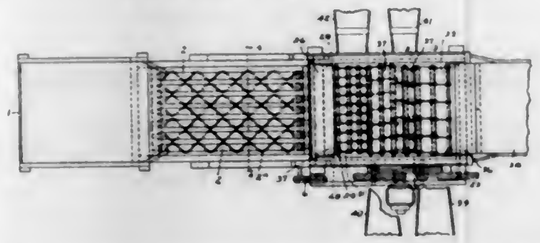
1. A blank for a multi-focal lens comprising a single piece of lens medium having on one face thereof at least two lens surfaces constituting two focal fields, each of said surfaces having a spherical curvature throughout and extending laterally substantially the entire width of the blank and with a substantially straight line of division therebetween and extending the full width of the blank along said line, the radii of curvature of said surfaces being different from each other by an amount sufficient to give the desired difference in focal power between the two fields and the centers of the curvatures of said surfaces being positioned relative to each other so as to cause the said surfaces to meet in substantially flush relation with each other adjacent the central portion of and substantially along the line of division between the two fields with the remainder of said line of division on the opposed sides of said substantially flush portion being shouldered with the shoulders progressively increasing in height in the direction of the sides of the blank.

2,410,146
MACHINE FOR SPLITTING TUBULAR FABRIC, OPENING IT, AND EXTRACTING MOISTURE THEREFROM
Harold W. Birch, Belmont, Mass.
Application June 12, 1944, Serial No. 539,954
16 Claims. (Cl. 26—1)



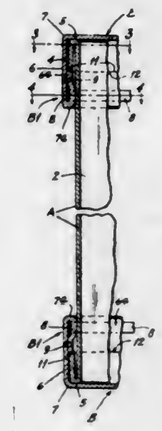
10. In an apparatus of the class described, the combination with a frame, of a fabric-supporting table mounted thereon, means mounted on the frame for feeding a tubular fabric over the table, a splitting knife to split the fabric as it is thus fed, means carried by the frame and situated between the feeding means and the knife to open the split fabric and smooth it transversely, means situated between the knife and the fabric-opening means by which the fabric may be shifted in either direction transversely to its length as necessary to maintain the fabric in central position as it is fed to the fabric-opening means, and means situated between the fabric-opening means and the feeding means for extracting moisture from the fabric.

2,410,147
APPARATUS FOR GRADING FRUITS, VEGETABLES, AND OTHER PRODUCTS ACCORDING TO SIZE
Gustave H. Bleeke, Fort Wayne, Ind.
Application August 12, 1943, Serial No. 498,287
5 Claims. (Cl. 209—85)



1. A grading machine comprising a main frame, a flexible grading belt mounted on the frame and having transverse rows of openings therein varying in size, the openings in each row being adapted to permit the passage of a selected maximum size of product, normally depending gates each having a planar upper surface pivotally mounted adjacent to the openings respectively, an endless carrier mounted below the belt and supporting a plurality of abutments, each of which is adapted to engage the belt and the transverse rows of gates successively and rock them into the belt openings adjacent thereto, said gates being adapted to substantially fill said openings, said travelling abutments also causing the belt to undulate longitudinally, means to drive the carrier, means to feed the products to be graded to the belt and means to conduct the graded products from the machine, said carrier and abutments being disposed to move past said belt parallel to the direction of feed of the products whereby the undulation of said belt will advance said products along the belt in the direction of feed.

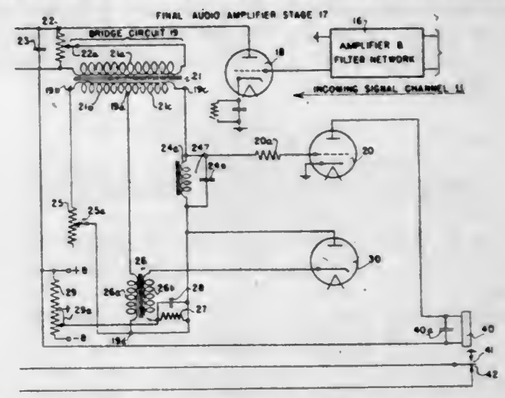
2,410,148
HEAVY-DUTY PAPER SHIPPING CARTON HAVING INTERLOCKING END CLOSURE
Frederick R. Buhrmaster, Webster Groves, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application July 13, 1944, Serial No. 544,685
10 Claims. (Cl. 229—47)



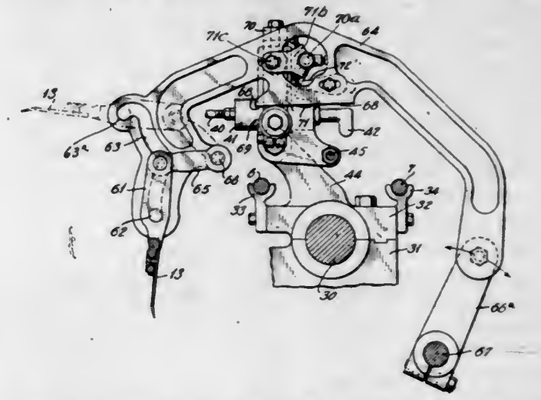
3. A carton comprising a tubular body and a closure for an open end thereof, said body having an external peripheral shoulder thereon adjacent to said end thereof, and said closure having a rim portion that surrounds said end of said body and has an internal shoulder disposed in abutting relation to the external shoulder thereof, said rim portion of said closure comprising a plurality of side marginal flaps on said closure bent into end to end rim forming relation and thence rebent on their inner sides to form said internal shoulder, a band infolded within said rebent portions of said closure flaps for holding them in such rim forming relation, and means for securing said rebent portions directly to said closure flaps and for retaining said band therein.

2,410,149
SIGNALING SYSTEM
Robert A. Clark, Jr., Chicago, Ill.
Application February 17, 1944, Serial No. 522,742
7 Claims. (Cl. 179—84)

1. In a signaling system which includes a signal channel over which may be non-concurrently transmitted a first signal having different frequencies within a frequency band or a second signal having a fixed frequency within said band, a four terminal bridge circuit coupled to said channel and balanced at said fixed frequency, said circuit including a parallel resonant circuit in one leg thereof, a biasing resistor, thermionic means, including input electrodes bridging said resonant circuit in series with said resistor to detect a second signal appearing on said channel, and means coupled to two opposed terminals of said bridge circuit and responsive to the voltage developed across said two terminals when said bridge circuit is unbalanced for developing a bias voltage across said resistor which serves to bias said thermionic means against signal detection when a first signal appears on said channel.

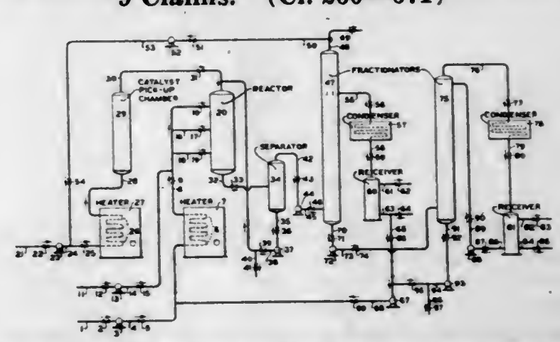


2,410,150
TOP COMB SYSTEM
Frank L. Crockett, Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Original application October 2, 1940, Serial No. 359,385, now Patent No. 2,353,812, dated July 18, 1944. Divided and this application August 13, 1942, Serial No. 454,749
11 Claims. (Cl. 19—116)



1. In a comber, a pair of top comb arms, a top comb subframe, links connecting it to said arms, stud-and-slot connections between said subframe and arms to guide the link-permitted movement of said subframe with respect to said arms, a top comb fixed to said subframe and means for oscillating said arms.

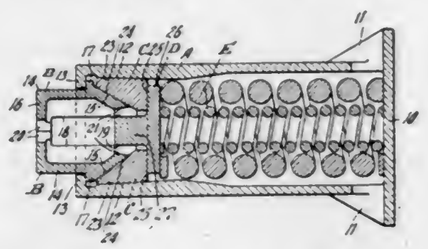
2,410,151
ALKYLATION OF HYDROCARBONS
Joseph D. Danforth, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 11, 1942, Serial No. 430,517
9 Claims. (Cl. 260—671)



2. An alkylation process which comprises reacting an aromatic hydrocarbon with an olefin

in a reaction zone containing a solid packing material, introducing to said zone a carrier gas containing aluminum chloride vapors, and maintaining said zone at an alkylating temperature such as to condense aluminum chloride vapors on said packing material.

2,410,152
FRICTION SHOCK ABSORBING MECHANISM
George E. Dath, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application June 25, 1943, Serial No. 492,258
10 Claims. (Cl. 213—34)



10. In a friction shock absorbing mechanism, the combination with a hexagonal friction casing having six interior, longitudinally extending, inwardly converging, interior friction surfaces, and inturned stop flanges at the outer ends of said friction surfaces; of three V-shaped friction shoes arranged symmetrically about the longitudinal axis of the mechanism, each of said shoes having sliding engagement with two adjacent friction surfaces of the casing; a two-piece lengthwise divided collapsible wedge block having wedging engagement with said shoes, the sections of said wedge block having laterally projecting flanges engageable in back of the flanges of the casing to limit outward movement of the wedge; a combined spring follower and spreading member comprising a spring follower section bearing on the inner ends of the shoes, and a forwardly projecting spreading plug formed on said spring follower section engaged between the two sections of the wedge to hold the wedge expanded with the flanges thereof in position to engage said flanges of the casing; and springs resisting inward movement of said combined spring follower and spreading member.

2,410,153
PUMP FORM
George H. De Long and Blair Dreisbach, Allentown, Pa.
Application March 22, 1945, Serial No. 584,102
3 Claims. (Cl. 12—128)



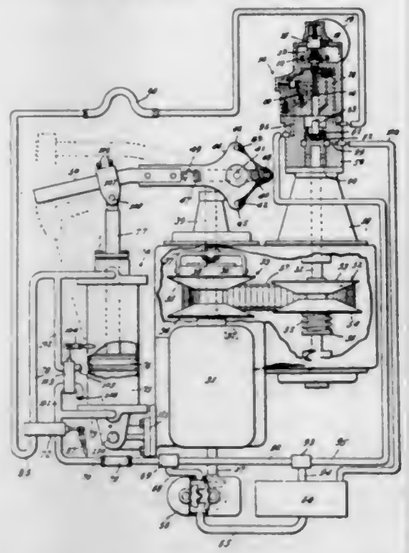
1. A device of the class described comprising a flexible band of sufficient length to embrace a pump forwardly of its heel, a pair of pressure members carried by and lying substantially transversely of the band in oppositely disposed relation, and means operable to secure the band snugly about the body of a pump with the pressure members engaging the opposite sides thereof between its vamp and heel to thereby exert oppositely inwardly directed pressure upon said sides.

2,410,154
SHOE CONDITIONER
George H. De Long and Blair Dreisbach, Allentown, Pa.
Application November 30, 1945, Serial No. 631,905
6 Claims. (Cl. 12—128)



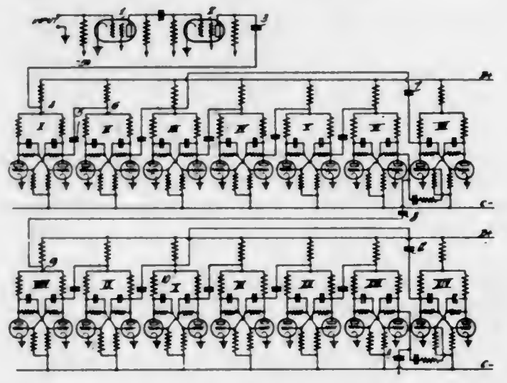
1. A device of the class described formed of resilient material and comprising a sole portion adapted to register with and span the sole of a shoe proximate the front face of its heel, wings rising from the ends of the sole portion having upwardly diverging and rearwardly curving edges whereby the extremities of the wings are wider than and located rearwardly of the rear edge of the sole portion, and means operable to hold said extremities in predetermined spaced relation.

2,410,155
PROPELLER GOVERNOR TESTER
Irvin V. Falk, Union, N. J., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application May 15, 1944, Serial No. 535,693
14 Claims. (Cl. 73—1)



1. For use with a governor including a fluid pump, a rotor, means connected to drive said pump and said rotor, speed-responsive means operatively associated with said rotor and connected to shift a valve oppositely, in response to opposite variations in the speed of said rotor, between a high-speed position and a low-speed position through an intermediate position; testing apparatus comprising a source of fluid under constant pressure, a fluid motor including a cylinder and a piston reciprocable therein, conduit means connecting said fluid source with said cylinder on one side of said piston, conduit means connecting said cylinder on the other side of said piston with said valve, passages controlled by said valve for alternatively placing said last-named conduit means in communication with said pump or with exhaust, a shaft connected to drive said pump and said rotor, and means for driving said shaft at variable speeds, said last-named means including an element shiftable oppositely to vary oppositely the speed of said shaft, and said fluid motor being connected to shift said shiftable element.

2,410,156
ELECTRONIC TIMING DEVICE
Leslie E. Flory, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 26, 1942, Serial No. 467,032
7 Claims. (Cl. 58—26)

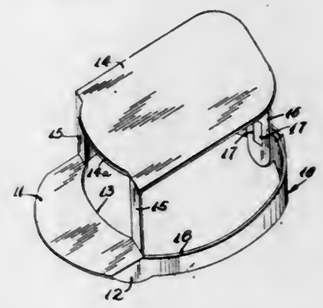


5. A timing device including a first group of six trigger circuit units provided with means connecting part of said units in a closed circuit to deliver a first output pulse in response to sixty input pulses, a second group of similar trigger circuit units for delivering a second output impulse in response to sixty of said first output pulses, a third group of sixty trigger circuit units interconnected to deliver a third output pulse in response to sixty of said second output pulses, and a fourth group of twelve trigger circuit units interconnected to indicate a fourth output impulse in response to twelve of said third output impulses, and means for indicating said second and said third output pulses.

2,410,157
LIQUID EXTRACT OF COFFEE AND THE PROCESS OF EXTRACTING AND PREPARING THE SAME
Walter S. Fredrickson, Fort Wayne, Ind.
No Drawing. Application October 13, 1943, Serial No. 506,068
18 Claims. (Cl. 99—71)

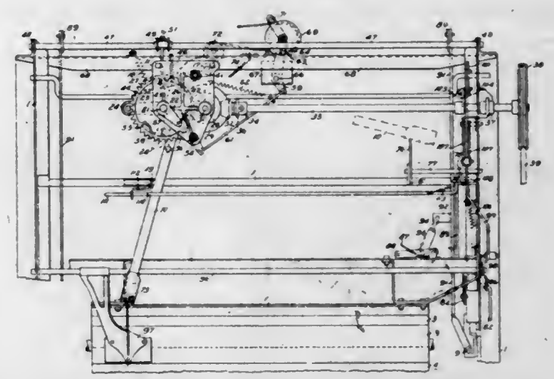
1. The method of preparing an extract of coffee which comprises mixing a quantity of cold water with a quantity of coffee grounds, varying the temperature of the mixture between the temperature of greatest density of water and a lower non-freezing temperature to expand and contract said mixture, then segregating the liquid extract from said coffee grounds; then at successive intervals mixing further quantities of water with said grounds and heating each of said mixtures, each of said mixtures being heated to a higher degree of temperature than the preceding mixture and the extract of each of said mixtures being separated from said grounds after heating before the succeeding quantity of water is added; mixing together all said extracts; and then removing the waxy substances of varying densities from said combined extract.

2,410,158
PAPER HAT
Irving Gardner, Brooklyn, N. Y.
Substitute for abandoned application Serial No. 563,835, November 17, 1944. This application August 8, 1945, Serial No. 609,542
8 Claims. (Cl. 2—195)



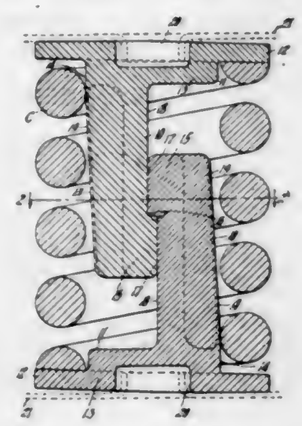
1. A paper hat formed entirely from a single blank of paper comprising a visor, a rim formed of two members, each integral at one end with said visor at one side thereof and free at the other end, a top, a bar connecting said top with said visor and integral with both said visor and top, and a support integral at one end with the rear of said top and having two spaced slots adjacent its other end, said free ends of said members both passing through both of said slots.

2,410,159
ROTARY BALER
Paul H. Harrer and Clayton H. Roth, La Porte, Ind., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 4, 1944, Serial No. 525,008
14 Claims. (Cl. 100—1)



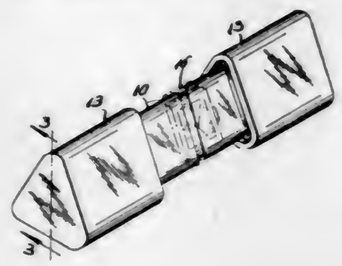
1. In a machine embodying means for rolling material delivered thereto into a formed cylindrical bale of predetermined diameter and means for positioning the twine to be wrapped around the bale while it is in the machine in proximity to a material conveying part of the bale forming means, a movably mounted member operative to so engage the twine with said part that the twine will be carried into the machine by such part and around the bale disposed therein, and means for operating said member and for maintaining same inoperative in a predetermined out-of-the-way position.

2,410,160
COMBINED SPRING AND FRICTION SHOCK ABSORBER
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application November 24, 1943, Serial No. 511,505
8 Claims. (Cl. 267—9)



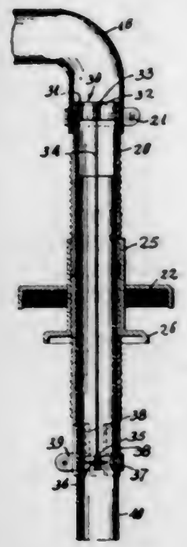
1. In a friction shock absorber mechanism, the combination with an upper friction post having a base portion at the upper end thereof, said base portion having a vertical abutment surface on the outer side thereof at one side of the mechanism; of a lower friction post having a base portion at the lower end thereof, said base portion having a vertical abutment surface at the outer side thereof at the opposite side of the mechanism, said posts having lengthwise sliding engagement with each other; and a coil spring surrounding said posts and opposing relative longitudinal movement thereof, said coil spring having the inner sides of the coils at the top and bottom ends in bearing engagement respectively with the abutment surfaces of said base portions.

2,410,161
DISPLAY CASE FOR WRIST WATCHES AND THE LIKE
William Helbein, New York, N. Y.
Application October 6, 1944, Serial No. 557,496
12 Claims. (Cl. 206—75)



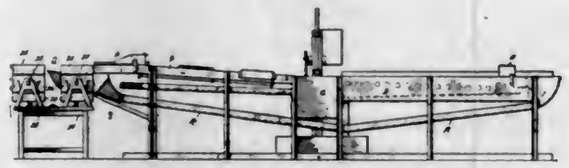
12. A display case for wrist watches, comprising a member about which a wrist watch and band may be mounted and having outwardly extending flanges at its end portions extending outwards of said wrist watch and band, and shell-like end covers slidably mounted on said flanges and when moved together encasing said watch and band and when moved apart exposing said watch and band, said member and end covers being of thermo-plastic material at least said end covers being transparent, and ribs or tracks projecting from said end covers and engaging complementary grooves in said member for facilitating the sliding of the end covers.

2,410,162
AGITATOR FOR LIQUID COOLING SYSTEMS
Joseph H. Horan, Bronx, N. Y.
Application July 13, 1944, Serial No. 544,750
1 Claim. (Cl. 285—2)



A coupling structure, for use with a radiator having a neck portion, comprising a tube fitting into said neck and having an internally threaded sleeve portion protruding from said neck, an elongated externally threaded bushing adjustably threaded into the sleeve and presenting an upper end to which a pipe may be detachably secured, a cap fitting over said sleeve for engagement with said neck, a sealing gasket in said cap, a hose closely fitting inside said tube terminating short of the outer end thereof and extending out of the inner end thereof, rings positioned in the outer end of the tube and in the hose at the inner end of said tube and arranged to resist clamping pressure applied to the tube externally thereof, the inner end of said tube being slotted in that portion in which one of said rings is positioned, and a connector for joining said rings in fixed spaced relation with each other.

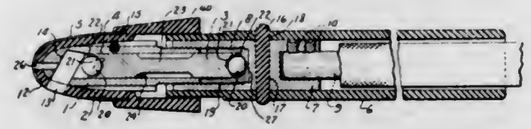
2,410,163
APPARATUS FOR DECRATING EGGS
Willis G. Howard, Indianapolis, Ind.
Application June 28, 1944, Serial No. 542,586
4 Claims. (Cl. 214—1.1)



1. Means for decrating eggs, comprising a vertical axis turn table, two parallel pairs of vertical plates journalled on said table on horizontal axes normal to and medially of said plates with the plates of each pair spaced apart a distance slightly greater than one horizontal dimension of a standard egg crate, each of said plates being provided with two L-shaped supplements with their vertical-arm extremities hinged to opposite edges of a plate and their horizontal arms directed toward a companion plate and also provided with a lip at one edge normal to the hinged axes and projecting toward a companion plate,

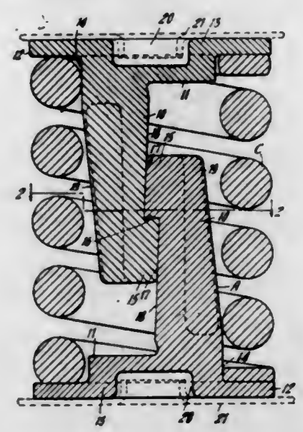
means obstructing outward movement of said supplements when in their lower positions, a follow-board having skirts depending from two opposite sides and so spaced and dimensioned that they may be inserted into an egg crate alongside egg groups packed therein, said follow-board being dimensioned to lie upon and extend between the horizontal arms of the L-supplements of a pair of said end plates and support the stacks of egg groups, and a bottom board dimensioned to lie upon and extend between said horizontal arms of the L-supplements and support the egg groups from which a crate has been withdrawn.

2,410,164
ELECTRODE HOLDER
Honel A. Jackson, Detroit, Mich.
Application February 4, 1944, Serial No. 521,005
5 Claims. (Cl. 219—8)



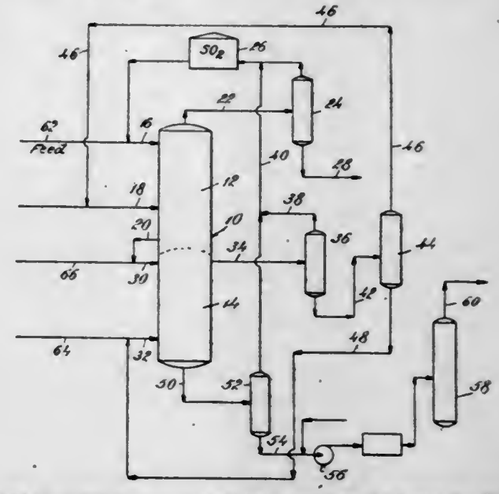
3. An electrode holder comprising in combination an electrically conducting head, an insulating cover surrounding said head, said head having a socket adapted to receive the end of an electrode, said insulating cover having an opening adjacent said socket through which the end of the electrode is passed into said socket, cooperating openings in said head and insulation, and a pin of insulating material passing through said openings for locking the insulating cover on said head.

2,410,165
FRICTION SHOCK ABSORBER
George A. Johnson, Chicago, and Stacy B. Haseltine, La Grange, Ill., assignors to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 24, 1943, Serial No. 515,518
6 Claims. (Cl. 267—9)



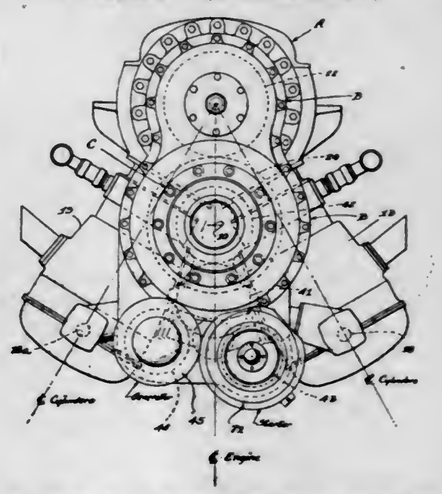
1. In a friction shock absorber mechanism, the combination with a pair of relatively lengthwise slidable friction posts at diametrically opposite sides of the mechanism having interengaging friction surfaces on their inner sides inclined to the longitudinal axis of the mechanism; of a coil spring extending lengthwise of the mechanism and surrounding said posts, said spring exerting lateral inward pressure on the posts and having shouldered engagement with the posts to oppose relative lengthwise movement thereof toward each other.

2,410,166
PROCESS OF SEPARATING TOLUENE
Thomas B. Kimball, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application May 14, 1941, Serial No. 393,338
3 Claims. (Cl. 260—674)



1. The process of separating toluene from a mixture of toluene and paraffin hydrocarbons of similar boiling point which comprises intimately contacting said mixture with sulphur dioxide in an extracting treatment, separating the composite mixture into two component parts consisting of a raffinate phase and a primary extract phase, bringing said primary extract phase without removal of sulphur dioxide therefrom into intimate contact with a paraffin hydrocarbon having a boiling point substantially higher than that of toluene in a washing treatment, separating the products of said washing treatment into two component parts consisting of a washed extract component and a spent wash oil component, separating hydrocarbons having boiling points similar to toluene from said spent wash oil component by distillation, and recovering toluene from said washed extract component by distillation.

2,410,167
ACCESSORY MECHANISM AND DRIVE FOR AIRCRAFT ENGINES
James W. Kinnucan, Detroit, Mich., assignor to Continental Aviation and Engineering Corporation, Detroit, Mich., a corporation of Virginia
Application March 10, 1942, Serial No. 434,137
7 Claims. (Cl. 123—195)



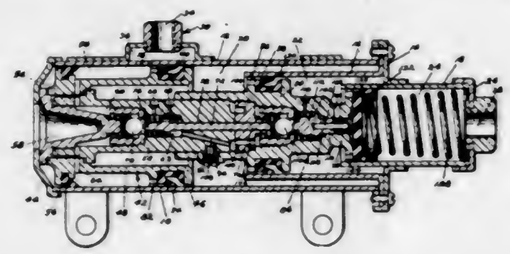
7. In a power transmission assembly for an aircraft engine comprising an engine of the V-

type having a crankcase, a crankshaft and a plurality of aligned cylinders, a propeller shaft offset with respect to said crankshaft, a separate gear case secured to the forward end of said engine crankcase, a gear reduction assembly supported forwardly of said gear case and axially aligned with said propeller shaft, and gearing supported within said gear case comprising a crankshaft gear driven by said engine crankshaft, a propeller shaft driving gear drivingly connected with said crankshaft gear and supported by said gear case for rotation about an axis extending coaxial with respect to the center longitudinal axis of said engine, which axis is substantially equidistant from the outer extremities of the engine crankcase and cylinder heads, said propeller shaft driving gear support including a drive shaft operatively connected with and axially aligned with said gear reduction assembly, spaced bearing means carried by said gear case for supporting said drive shaft, and accessory drive means including a train of gears positioned in a common plane extending normal to the center longitudinal axis of the engine and intermediate said propeller shaft driving gear and one of said drive shaft bearings, said drive shaft having external splines extending longitudinally thereof substantially between said spaced bearings, said propeller shaft driving gear and one of the gears of said gear train both having a splined driving connection with said splined drive shaft.

2,410,168
HAND CLEANER
Werner E. Kleinicke, Manhasset, N. Y., assignor to The Johnson-March Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 16, 1944, Serial No. 563,799
4 Claims. (Cl. 252—173)

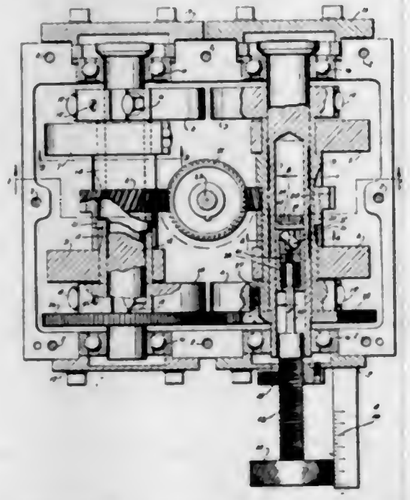
1. A hand cleaner comprising an emulsion of white mineral oil and stearic acid in an aqueous solution containing diethylene glycol stearate, diethylene glycol laurate and diethylene glycol.

2,410,169
FLUID PRESSURE PRODUCING DEVICE
Ludger E. La Brie, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application July 21, 1943, Serial No. 495,638
6 Claims. (Cl. 60—54.6)



1. A fluid pressure producing device having a low pressure chamber, an intermediate pressure chamber and a high pressure chamber, a piston having heads movable in the respective chambers for creating pressure, and a loaded valve mechanism in the piston controlled by the differential of fluid pressure between the low and intermediate chambers for relieving the pressure in the intermediate pressure chamber to thereby transfer the load from the low and intermediate to the high pressure piston head.

2,410,170
OSCILLATOR
Benjamin J. Lazan, Greenwich, Conn.
Application November 18, 1943, Serial No. 510,828
9 Claims. (Cl. 74—61)



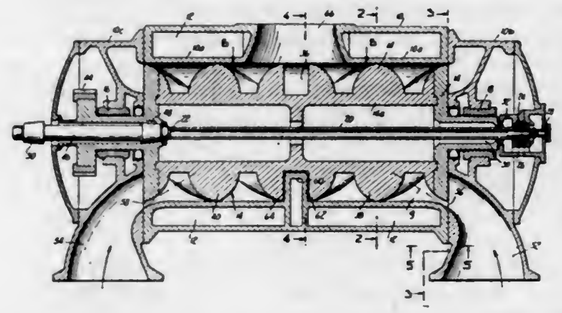
1. An oscillator comprising, in combination, inner and outer concentric shafts, means for rotatably supporting the same, eccentric weights mounted on said shafts, grooves formed in each of the respective shafts in angular relation to each other, a device having two keys angularly offset with respect to each other so as to respectively fit in said grooves, and means for moving said device so that said keys move lengthwise of said grooves thereby to cause relative angular adjustment between said shafts and the eccentric weights thereon.

2,410,171
GLARE SHIELD
Lester R. Le Lande, Cincinnati, Ohio, assignor to The American Glare Shield Co., Inc., Cincinnati, Ohio, a corporation of Ohio
Substituted for abandoned application Serial No. 420,995, November 29, 1941. This application June 6, 1945, Serial No. 597,737
2 Claims. (Cl. 296—97)



2. In a glare shield, a shield member having opposite continuously smooth areas frictionally clamping against opposite areas of a shank member comprising a channel straddling an edge part of said shield member and having the two sides of the channel relatively movable for clamping said shield member, means for drawing said two sides toward each other for frictionally clamping against said opposite areas of said shield member, means interposed between said sides and the shield member of material which cushions the pressure of said sides on said shield member and also has a high degree of friction with the sides and shield member, and means for adjustably holding said shank member and therewith said shield member on a structure, constituting with said shank member the sole means for supporting said shield member on said structure, the shank member having a slit whereby the two sides of the channel are relatively movable as above mentioned, said shank member having also an arm, for pivotally mounting it on the adjustable means for holding the same, said means comprising a base, and a projecting arm to which the shank arm is pivotally secured, said projecting arm being projected downwardly at less than a right angle to the base, and a stop on the shank arm engaging said projecting arm to co-act to hold the shank in a position to bring the shield member into substantially parallel relation to a slanting wind shield on which the base is mounted, when moved to said stopped position.

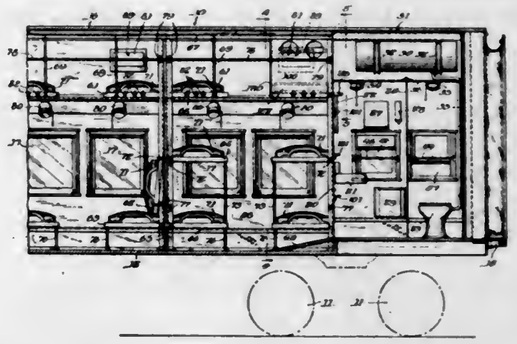
2,410,172
ROTARY SCREW WHEEL APPARATUS
Alf Lysholm, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, Leslie M. Merrill, and Percy H. Batten, as trustees
Application May 31, 1941, Serial No. 396,030
10 Claims. (Cl. 230—143)



1. In a rotary screw wheel compressor of the kind having intermeshing spiral lobed and grooved rotors rotating in a casing structure between inlet and outlet casing end walls and in which working spaces open up from the inlet ends to the outlet ends of the grooves during the inlet phase of the cycle of operation, inlet port means in the inlet end wall for directing fluid into said grooves in generally axial direction during said inlet phase, whereby to create columns of said fluid flowing generally longitudinally of said grooves during said inlet phase and impacting the outlet end wall as the grooves open up to their maximum volume, the peripheral extent of said inlet port means causing the same to remain in direct axial communication with at least certain of said grooves for a substantial period after such grooves have come into full communication with said outlet end wall, whereby to create a ramming effect in such grooves due to said impacting.

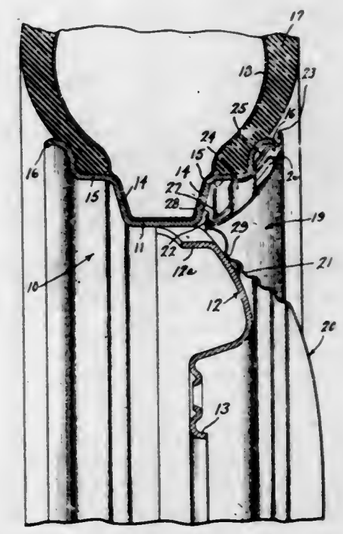
2,410,173
AUXILIARY BERTH ARRANGEMENT
Lewis A. Lutherman and Earl L. Thompson, Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application July 24, 1944, Serial No. 546,296
15 Claims. (Cl. 105—315)

1. In a railway sleeping car having a passenger compartment containing a plurality of sleeping accommodations disposed transversely of the car and having a longitudinal side aisle, an end zone in the car, a bulkhead separating the end zone from said passenger compartment, an auxiliary sleeping berth between the passenger compartment and said end zone disposed in an upper



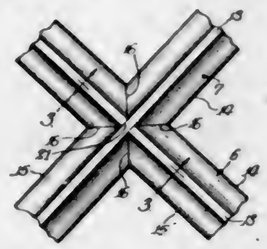
portion of the passenger compartment, and an entrance opening to the berth in said bulkhead, said berth being accessible only from the end zone of the car.

2,410,174
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application June 2, 1943, Serial No. 489,312
5 Claims. (Cl. 301—37)



1. In a wheel structure having a tire rim portion and a central load bearing portion, said tire rim portion having a generally axially outwardly protruding intermediate portion, a cover assembly including a self-sustaining resilient readily flexible part adapted for sharp localized flexing without permanent deformation and arranged to be flexed away from the wheel structure when associated therewith to allow access to the outer side of the wheel and permit removal of said cover part, and a retaining member to secure the cover on the outer side of the wheel structure including an annular part having a plurality of sets of resilient fingers extending therefrom in substantially opposite radial directions, one of said sets of fingers resiliently retainingly receiving a portion of the cover and another of said sets resiliently engaging the wheel structure to secure the retaining means thereto, a portion of the retaining member intermediate said sets of fingers engaging said protruding portion of the tire rim.

2,410,175
JOINT
Hobart E. Machamer, Oak Park, Ill., assignor to Ceco Steel Products Corporation, Omaha, Nebr., a corporation of Nebraska
Application October 22, 1943, Serial No. 507,313
3 Claims. (Cl. 287—51)



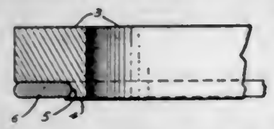
1. A joint consisting of a plurality of intersecting members each comprising a web portion and a flanged head portion, the flanges of said head portions being notched to effect interfitting engagement, one of said members being provided with a slot, a recess and an interposed locking bar, the other of said members being provided with a transverse slot, a longitudinal recess and an angular slot joining said transverse slot and said recess, the slots and recess outlining a locking lug disposed in alignment with the transverse slot, said locking bar of one member being disposed in the recess of the other member and the locking lug of the other member being disposed in the recess of the one member.

2,410,176
SHOCK ABSORBER
Gervase M. Magrum, Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application October 7, 1943, Serial No. 505,286
3 Claims. (Cl. 188—88)



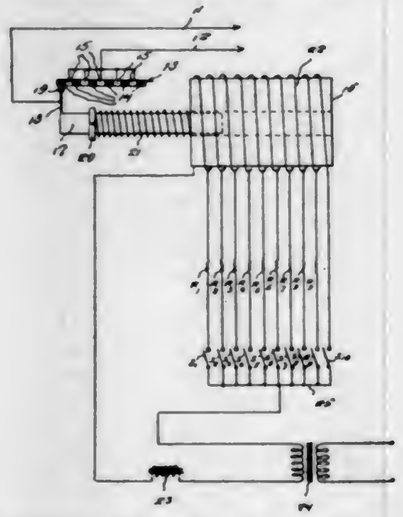
1. A direct action shock absorber comprising a cylinder, a piston movable in the cylinder and having a rod extending therefrom to the exterior from one end of the cylinder, a housing part extending from the other end of the cylinder, said housing part defining a chamber for communication with said cylinder for the interflow of hydraulic fluid, compensating structure in said chamber defining a closed space containing air, part of said compensating structure being movable in response to the pressure of fluid flowing into said chamber from said cylinder when the piston rod moves into the cylinder whereby the confined air is compressed and by its expanding tendency against the movable part of said compensating structure exerts pressure against the hydraulic fluid to keep the cylinder filled during outward movement of the piston and withdrawal of the piston rod from the cylinder, valve means on said piston adapted to function to permit comparatively free flow from one side of the piston to the other during inward movement of the piston and the rod but to restrict the flow when the piston and rod move outwardly, and valve means interposed between said cylinder and said chamber to function to resist flow from the cylinder into said chamber when the piston and piston rod move inwardly but to permit freer flow from the chamber into the cylinder when the piston and rod move outwardly whereby said valve means interposed between the cylinder and the chamber will control the resistance to inward movement of the piston and the valve means on the piston will control the resistance to outward movement thereof.

2,410,177
COMBINATION COMPRESSION AND OIL SCRAPING RING
Ralph J. Marvin and August Wiebke, Los Angeles, Calif.
Application October 20, 1945, Serial No. 623,572
4 Claims. (Cl. 309—44)



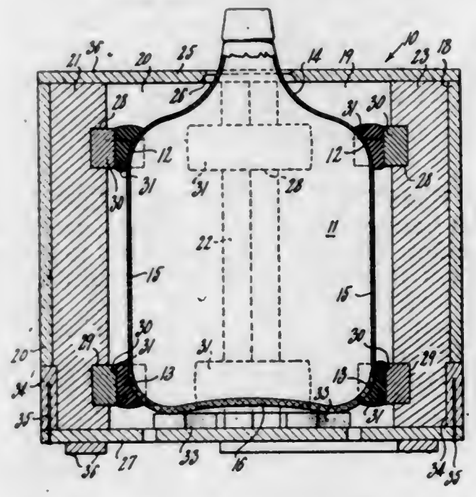
1. A combination compression and oil scraping ring including a ring body having its inner side extended downwardly beyond the normal depth of said body and forming a downwardly depending flange around the inner side of said ring body, said flange being cupped around its outer side, a flat steel ring fitted against the under side of said ring body and having its inner edge held in said cupped flange and its outer edge flush with the outer side of said ring body, the extended toe edge of said flange forming the inner wall of an oil catching space under said ring in front of said downwardly depending flange.

2,410,178
TELEPHONE LINE PULSING DEVICE
Aloysius G. Milasus, Roselle, N. J.
Application November 9, 1945, Serial No. 627,731
5 Claims. (Cl. 179—90)



1. A telephone line pulsing device comprising a bar member having a plurality of linearly spaced contact portions, a solenoid arranged with its axis parallel with said bar member, a movable plunger axially positioned in said solenoid, the outer end of said plunger carrying an element in movable engagement with said bar member, a retarding inductor connected in the energizing circuit of said solenoid, a first line conductor connected to said contact portions, a second line conductor connected to said plunger-carried element, and means for momentarily moving said plunger inwardly of said solenoid a predetermined distance.

2,410,179
CARBOY AND METHOD OF ASSEMBLING
Joseph W. Nygren, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation New Jersey
Application March 8, 1944, Serial No. 525,502
5 Claims. (Cl. 217—53)

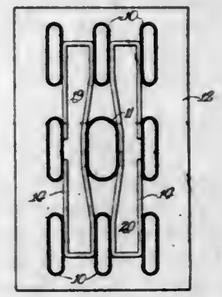


3. In a carboy construction, the combination of a bottle having upper and lower shoulders, a box structure encasing the bottle and including corner posts, said corner posts having transverse notches opposite to the upper and lower shoulders of the bottle, and resilient cushions affixed to carrying members set into said notches, the cushions overhanging and being in tight resilient engagement with the bottle around the shoulders thereof, whereby the bottle is supported on the corner posts when it is in an upright position.

5. The method of installing a bottle having upper and lower shoulders in a carboy box, which comprises assembling three sides and four corner posts of the box structure, the corner posts being provided with spaced notches located opposite the upper and lower shoulders of the bottle, inserting a member having cushioning elements anchored thereon in the upper and lower notches of the corner posts adjacent to the closed side of the box, locating the bottle in the structure to bring the shoulders opposite the cushions, inserting a member having resilient cushioning elements anchored thereon in each of the notches adjacent to the free ends of the sides by lengthwise movement of said member, and securing the fourth side to the box structure to apply pressure to the cushions laterally of the vertical axis of the bottle, whereby the cushions are deformed under pressure around the upper and lower shoulders of the bottle.

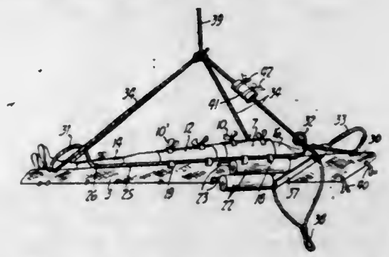
2,410,180
NONCONGEALING OIL COOLER CONSTRUCTION
Charles T. Perkins, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application October 1, 1942, Serial No. 460,334
4 Claims. (Cl. 257—130)

3. A heating conducting means in a core of a liquid cooler having tubes and fins, comprising a solid heat conducting member exposed to a cooling medium passing over said fins, said heat conducting member being of relatively large cross sectional area and relatively small surface area and carried between and bonded to certain tubes and secured contiguous with a fin, said member being of higher heat conductivity than said fin and providing a definite pathway for directed heat dissipation between tubes, said portion of



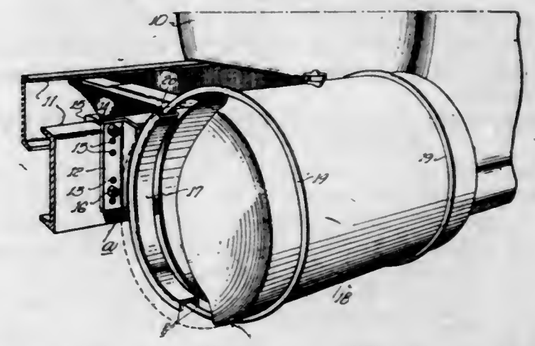
said fin immediately adjacent said heat conducting member also coacting with said member to increase said heat dissipation along the direction of said member.

2,410,181
STRETCHER
Malcolm R. Peters, San Mateo, Calif.
Application November 18, 1941, Serial No. 419,594
11 Claims. (Cl. 5—82)



10. An elongated stretcher having a head end and a foot end respectively at its opposite ends; a relatively slack length of rope extending along each of the longitudinal edges of said stretcher, means securing each of said lengths at their ends to the head and foot ends of said stretcher adjacent the ends of said longitudinal edges; said lengths between their said ends being slack and sufficiently long to enable swinging of the central portion of said lengths for engagement at a point substantially centrally over said stretcher for suspending the stretcher in a generally horizontal position by said lengths from said point; a section of rope connecting said lengths at the head end of the said stretcher for suspending said stretcher in a generally vertical position by said section.

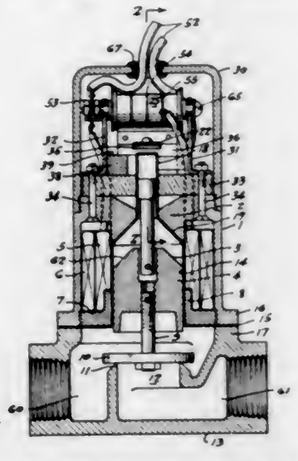
2,410,182
FUEL TANK MOUNTING
Fred Prior, Dallas, Tex.
Application October 20, 1944, Serial No. 559,494
2 Claims. (Cl. 280—5)



2. A fuel tank mounting including a bracket plate secured for vertical adjustment on a vehicle frame, an outwardly extending, arcuately re-

cessed flange on said plate, an arcuate brace secured in said recess in a vertical plane and of substantially U-shape in transverse section, a circular, tank embracing member having its ends secured to said brace and means for adjusting said member circumferentially to adapt the same to tanks of different diameters.

2,410,183
ELECTROMAGNETIC DEVICE
William A. Ray, Glendale, Calif., assignor to General Controls Co., a corporation
Application May 8, 1943, Serial No. 486,165
1 Claim. (Cl. 175—335)



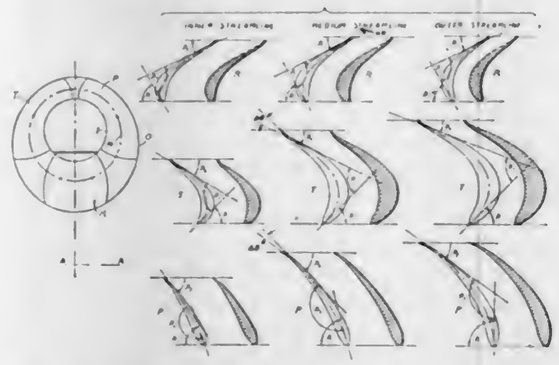
In an electromagnet structure: a magnetic circuit including a magnetic member movable to an attracted position with respect to the remainder of the magnetic circuit; an attracting coil associated with said magnetic circuit for moving said member to its attracted position when the attracting coil is energized; a holding coil associated with said magnetic circuit, for maintaining said member in its attracted position when the holding coil is energized; a dry disc full-wave rectifier structure having an input side and an output side, said output side being connected to the holding coil; a contact arm operated by the operation of the electromagnet between two positions corresponding respectively to the unattracted position and the attracted position of the member; contacts engaged by said arm respectively in said two positions; and an alternating current circuit connected by aid of the arm when the member is in the unattracted position, to energize the attracting coil, and connected by aid of the arm when the member is in attracted position to the input side of said rectifier.

2,410,184
EYE PROTECTION DEVICE
George H. Schauweker, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 21, 1944, Serial No. 550,399
5 Claims. (Cl. 2—14)



1. A device of the character described comprising a goggle eyecup having an opening in its side wall and connecting means adjacent the forward edge thereof, said wall, surrounding the opening, having an outwardly raised portion, a lens retaining ring having means for connection with said connecting means and a baffle plate carried by the eyecup overlying the opening in the side wall and spaced from said raised portion and having an entrance opening adjacent the forward edge thereof and located in the rear of the lens retaining ring when said ring is in position of use, the major portion of said entrance opening lying inwardly of the plane of the outer end surface of the raised portion.

2,410,185
ROTARY HYDRAULIC TORQUE CONVERTER
Heinrich Schneider, Hamilton, Ohio, and Adolf G. Schneider, Muncie, Ind., assignors to Schneider Brothers Company, a copartnership composed of Heinrich Schneider and Viva Schneider, Hamilton, Ohio, and Adolf G. Schneider and Erna Schneider, Muncie, Ind.
Application December 4, 1942, Serial No. 467,864
13 Claims. (Cl. 60—54)



1. A hydraulic torque converter, comprising three bladed wheels, namely, pump, turbine, and reaction member arranged to form a closed fluid circuit in which the pump blade exists and turbine blade entrances are at substantially the largest circuit radius and the reaction member is at substantially the smallest circuit radius, the blades having fish-shaped profiles and having along the middle streamline entrance angles for the pump between 60 and 90 degrees, for the turbine between 40 and 70 degrees, for the reaction member between 45 and 90 degrees, the exit angles of the blades in the pump being 30 and 60 degrees, and for the turbine and reaction member between 20 and 50 degrees, the exit angle on the inner streamline on the blades of at least one of said bladed wheels being greater than on the outer streamline and varying gradually therebetween.

2,410,186
SLIPPER
Francis J. Shields, Bombay, N. Y.
Application March 2, 1944, Serial No. 524,683
1 Claim. (Cl. 36—11)

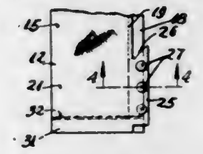


A slipper comprising a member forming the sole, front, sides, and back of the slipper, a plug stitched to the top front edges of said member, and said plug having free edges at the instep area, said plug and member along said free edges being provided with a series of eyelets, means for adjustably connecting said free edges together to control the diameter of the slipper at the instep area, said means comprising separate laces extending between the free edges and adapted to have their ends tied together in adjustable positions.

2,410,187
COATING COMPOSITION
Clifford Kanne Sloan, Thornton, Pa., and Gordon Derby Patterson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 28, 1943, Serial No. 484,881
9 Claims. (Cl. 260—19)

1. A metal protective, pigmented coating composition comprising at least 10% by weight, based on the total pigment present, of calcium chromate and a vehicle therefor, said vehicle being selected from the group consisting of an alkyd resin and a phenol/formaldehyde resin, and having a water-impermeability value of at least 5 at a film thickness of 0.005 inch after 6 months' outdoor exposure.

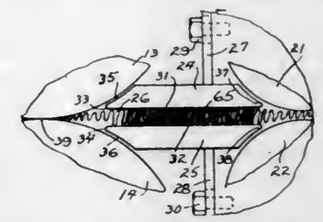
2,410,188
BUTTON WING FOR GARMENT SLEEVES
Charles Solomon, New York, N. Y.
Application October 23, 1944, Serial No. 559,907
1 Claim. (Cl. 2—270)



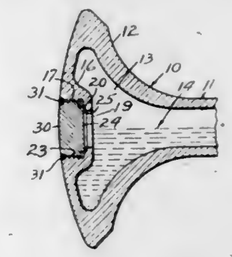
A garment comprising a body and sleeves, each of said sleeves being formed of a front strip of cloth and a rear strip of cloth, one of the seams therebetween being at the rear of the sleeve and the other of the seams being at the front of the sleeve spaced a short distance from the outer side thereof, and a secured reinforced button wing on the cuff of each of said sleeves extending from the front seam outwardly beyond said outer side, each of said button wings including an extension of said front strip and a folded extension of said rear strip forming three layers of cloth, and a row of buttons sewed through said three layers, said extensions each having a folded part projecting beyond said outer side, the insides of said folded parts located on each sleeve being connected by a seam, said seam firmly securing the position and form of said button wings.

2,410,189
CREPING MACHINE
Louis A. Straubel and James W. Straubel, Green Bay, Wis.; said Louis A. Straubel assignor to said James W. Straubel, as trustee
Application November 27, 1944, Serial No. 565,208
8 Claims. (Cl. 154—30)

1. In a creping machine for paper and other web material, a pair of smooth surfaced rolls forming a bite therebetween into which said web is drawn, a pair of rigidly mounted creping plates providing a restricted passage therebetween and extending into the delivery side of said bite, said plates having blunt leading edges closely adjacent to but not in pressure scraping relationship with said roll surfaces, said blunt edges in cooperation with the walls of said restricted passage having the effect of backing said web up upon itself in said bite ahead of said leading edges to be there creped, and means for drawing said creped web through and out of said restricted passage at a rate of speed such as to cause said web to retain much of its crepe.



2,410,190
METHOD OF MAKING PLUG TYPE HOLLOW POPPET VALVES
Arthur Townhill, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 4, 1944, Serial No. 521,115
1 Claim. (Cl. 29—156.7)

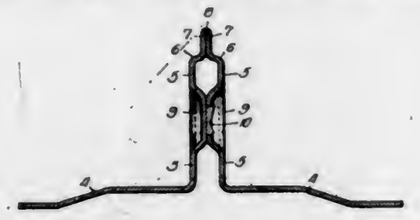


The method of sealing a coolant-filled hollow poppet valve body having an internally threaded plug-receiving filler aperture equipped with an annular axially tapered shoulder adjacent its inner end and so disposed as to block the advance of an externally threaded aperture-filling plug having a continuous annular skirt on the inner end disposed to engage the taper of the shoulder when the plug is advanced into initial shoulder-engaging position, which comprises screwing the plug into the aperture beyond the point where said skirt initially engages the shoulder to deflect the skirt by means of the taper of the shoulder as the skirt is rotated relative thereto and effect metal-to-metal contact with a substantial annular area of said shoulder and establishing a seal between the coacting skirt and shoulder surfaces throughout said annular area, and welding the plug to the valve body externally of said annular area and the hollow sealed by it.

2,410,191
RAILWAY CAR ROOF
Victor E. West, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application September 27, 1944, Serial No. 555,938
7 Claims. (Cl. 108—5.4)

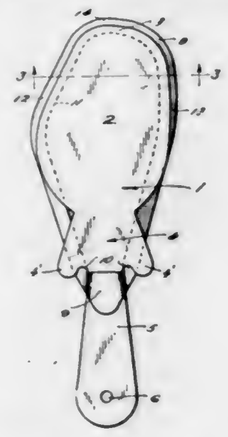
7. A railway car roof sheet having a body portion and a marginal flange extending substantially normal thereto, a portion of said flange being bent outwardly and adapted to engage and be secured to an adjacent similarly formed roof sheet flange, the body portion of said flange being

formed with integral outwardly projecting embossments adapted to engage and be secured to



similarly formed embossments of said adjacent flange.

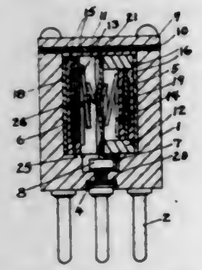
2,410,192
SCRAPER UTENSIL
Hattie B. Atha, Akron, Ohio
Application August 4, 1944, Serial No. 548,095
1 Claim. (Cl. 15—236)



A scraper utensil comprising a flat elongated member including a front section of substantially oval edge contour and provided with an edge groove therein, an intermediate fan-tail shaped section joined at its smaller end to the front section, a flat handle section joined at its front end to the wider end of the intermediate fan-tail section and centered relative to said wider end whereby the wider end of the intermediate fan-tail section provides a pair of ears upon opposite sides of the handle section, and a band of resilient flat material of greater width than the depth of said groove trained around said groove to the point where the front and intermediate fan-tail sections are joined and then passing across said ears on one side thereof and over the handle section on the opposite side thereof at the point where said handle section is joined to said intermediate fan tail section, said groove having straight and curved sections, respectively, at opposite side edges of the front section to shape the band into straight and curved scraping sections, respectively, for scraping flat and dished surfaces, said band being stretched around said groove and across said ears and over the handle whereby said band is held in place under tension.

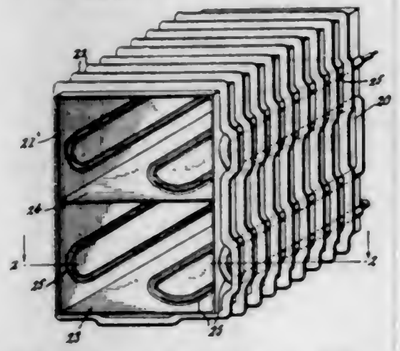
2,410,193
CRYSTAL HOLDER
Henry M. Bach, Lawrence, N. Y., assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y.
Application September 2, 1944, Serial No. 552,436
13 Claims. (Cl. 171—327)

1. A holder for a piezo-electric crystal comprising a body member formed with a cavity for receiving a crystal and electrode assembly, spring means maintaining the crystal and electrode assembly in operative compressed relation, said spring means bearing between an electrode and



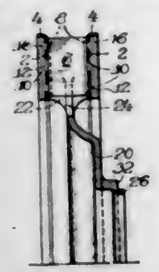
a contact plate, said contact plate being provided with corrugations, and means for supporting said contact plate at edge portions thereof to resist the pressure of the spring means.

2,410,194
DEFROSTER FOR ICE CUBE TRAYS
Robert H. Baker, Munster, Ind.
Application May 6, 1944, Serial No. 534,447
2 Claims. (Cl. 62—1)



1. A modified refrigerating evaporator for household refrigerators in which refrigerating coils surround a rectangular metallic frame having side walls, a bottom, a top and being without ends to admit slidable trays for ice cubes, the modification comprising pressed-out areas in the walls and bottom along definitive lines to produce grooves opening on the inner space of the unit, and heating coils lying in said grooves flush with the plane of the inner faces of the wall and upper face of the bottom.

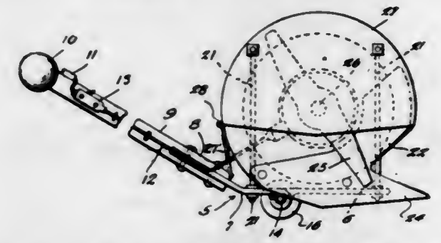
2,410,195
ROTOR AND METHOD OF MAKING
Walter H. Baselt, Tucson, Ariz., and Carl E. Tack, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 8, 1942, Serial No. 450,136
19 Claims. (Cl. 188—218)



1. The method of fabricating a rotor comprising the steps of welding a plurality of spaced radial blades at opposite edges thereof to a pair of spaced perforated annular backing members,

and then casting brake rings on the remote surfaces of said members and simultaneously casting a support hub with radial ribs extending between said members and into certain of the perforations therethrough.

2,410,196
LAWN EDGER
Frederick L. Benthall, Sr., Houston, Tex.
Application July 7, 1944, Serial No. 543,927
2 Claims. (Cl. 56—256)

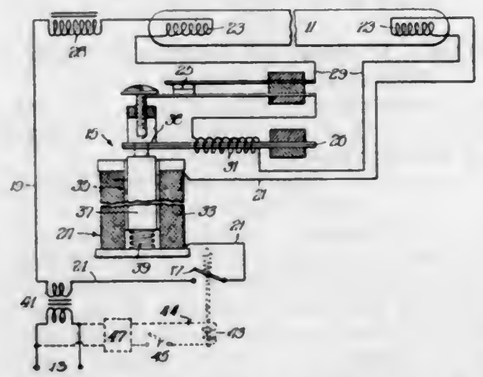


1. A lawn edger of the class described comprising a horizontally extending handle-equipped wheel-supported truck, a vertical adapter plate extending upwardly at one side of said truck, a motor on said plate extending inwardly therefrom over said truck, a guard on said plate extending outwardly therefrom, a stationary cutter blade on said plate extending horizontally outwardly of the lower portion of the plate and projecting forwardly from the front end of said truck, and a rotary cutter connected with the motor shaft and operating within the confines of said guard in cooperating relation to the stationary blade.

2,410,197
TETRAHYDROPYRROLE ALCOHOL ESTERS OF HALOGEN SUBSTITUTED CARBOXYLIC ACIDS
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 23, 1941,
Serial No. 394,880
4 Claims. (Cl. 260—313)

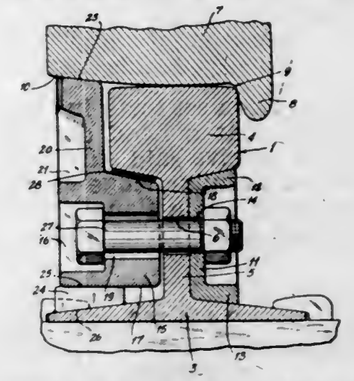
1. An ester of a halogen substituted carboxylic acid and a heterocyclic alcohol selected from the group consisting of tetrahydropyrrole alcohol and monomethyloltetrahydropyrrole.

2,410,198
CONTROL SYSTEM
Arthur H. Buckley, Chicago, Ill.
Application November 9, 1942, Serial No. 465,009
6 Claims. (Cl. 175—335)



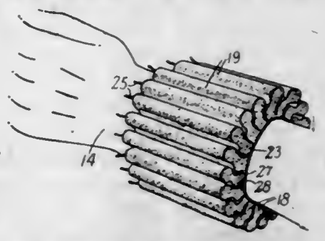
1. A control member comprising a coil, a movable armature magnetically associated with said coil whereby the armature is urged for movement in one direction from stand-by position when the coil is electrically energized, a bimetallic member operatively associated with said armature to yieldingly urge and hold the same against such movement, heating means operable to heat said bimetallic member when said coil is energized whereby, after a definite time interval, to disable said bimetallic member and allow armature movement to a shifted position, and means operable to disable the heating means in response to armature movement whereby to allow the bimetallic member to cool and reexert its urge on the armature, the urge of said bimetallic member, when cool, being insufficient to return the armature to stand-by position, against the contrary influence of the coil when energized.

2,410,199
RAIL JOINT TREAD BRIDGE
William G. Buhrer, Jerseyville, Ill.
Application January 5, 1946, Serial No. 639,214
4 Claims. (Cl. 238—218)



1. For combination with adjacent ends of standard railway rails, a rail joint comprising an outer plate extending parallel with the outer rail surfaces and across the adjacent side face of the rails and having a base section dimensioned and formed to be fastened between the underface of the rail tread sections and spaced from the upper faces of the rail flange and an integral upper section having a top surface inclined upwardly from each end forming a central section that extends above the crown of the rail ends at the joint, wedge blocks inserted within the space between the bottom surface of said plate and the upper face of the rail flange whereby the elevation of said plate may be adjusted relative to the crown of the rail ends, an inner plate positioned between the undersurface of the rail tread sections and the upper face of the rail flanges, and means for clamping said plates and said rail ends together.

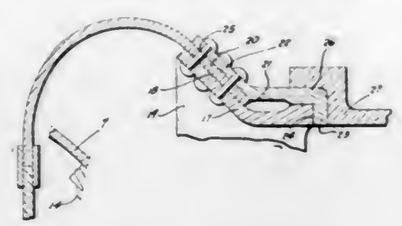
2,410,200
CIGARETTE CONTAINER
William E. Celestin, New York, N. Y.
Application June 29, 1944, Serial No. 542,674
6 Claims. (Cl. 224—28)



1. A cigarette container, comprising a bendable band conformable to a portion of the human

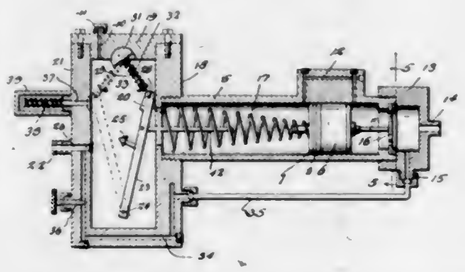
body, means for attaching the two ends of the band together, and waterproof pockets therein for holding cigarettes transversely of said band, said pockets being closed by end walls formed by marginal scallops bent up from said band.

2,410,201
PLATE STEEL CASING JOINT FOR ROTARY HYDRAULIC MACHINES
Joseph F. Corby, Philadelphia, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application April 26, 1944, Serial No. 532,899
2 Claims. (Cl. 253—122)



2. The combination set forth in claim 1 further characterized in that a head cover is provided with a recess to receive said stay vane ring, and said ring has an annular ledge at its innermost edge and the strap has a flanged portion seated in said recess and overlapping and engaging said edge.

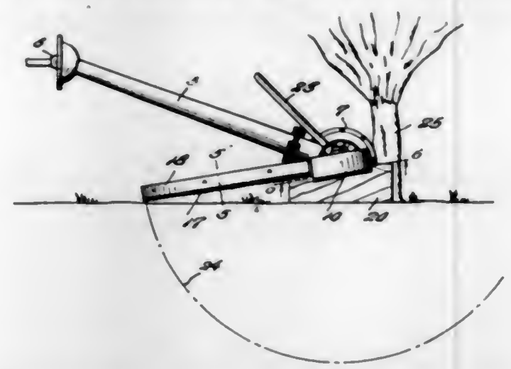
2,410,202
SAFETY DEVICE FOR FLUID BRAKE SYSTEMS
Victor L. Crawford, Altamont, Ill.
Application July 19, 1945, Serial No. 605,927
4 Claims. (Cl. 303—84)



1. A safety device for hydraulic brake systems comprising a valve housing having one side connected in the brake line, a cylinder also connected at one end in the brake line and having its other end connected to the housing, an off-center spring-actuated toggle mechanism in the housing, a valve carried by said mechanism for closing the brake line and normally maintained in open position, and a piston working in the cylinder and responsive to variations in fluid pressure at opposite sides of the piston to move the piston into engagement with the toggle mechanism to close the valve.

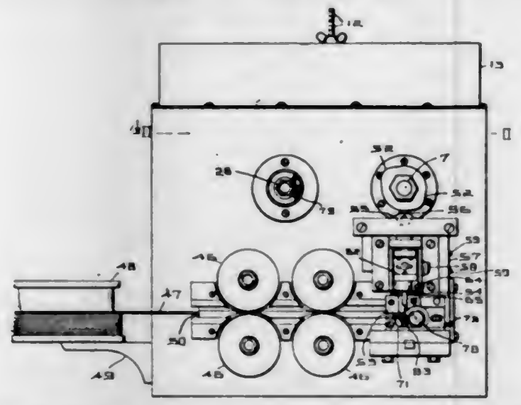
2,410,203
TREE TRANSPLANTING APPARATUS
Lewis L. Culley, Jackson, Miss.
Application August 22, 1945, Serial No. 612,083
4 Claims. (Cl. 37—2)

1. A tree transplanting device comprising an arcuate cutter, means for reciprocating the cutter, and means for moving the cutter through the earth under a standing tree to sever a portion of



the earth of semi-spherical form for removal with the tree.

2,410,204
SPLIT RING MANUFACTURE
Carl M. Cummins, Toledo, Ohio
Application December 6, 1943, Serial No. 513,068
5 Claims. (Cl. 10—73)



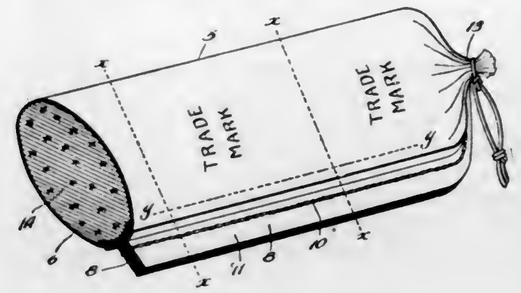
5. A strip stock handling machine, comprising a housing, a drive shaft and a driven shaft journaled in said housing, two intermittently acting grip devices to drive the driven shaft, independently adjustable means to actuate the grip devices from the drive shaft, a guide way for the strip stock, opposing pressure adjusted gripping rolls to feed the strip stock from a supply source thru said guide way, means to drive said feed rolls from said drive shaft, a receiver to engage the strip stock from the feed rolls, receiver opposing means including a plunger, and a cam on the drive shaft to actuate the plunger to engage the stock at the receiver.

2,410,205
LIGNEOUS RESINOUS COMPOSITION AND METHOD OF PRODUCING
Millard R. Dusenbury, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 31, 1942, Serial No. 453,041
25 Claims. (Cl. 260—124)

1. The method of producing a resinous composition which comprises heating a ligneous wood, water, and a material selected from the group consisting of higher fatty acids, which contain a conjugated system of double bonds and their esters, at a temperature within the range of from about 240° C. to about 330° C. under superatmospheric pressure until the cellular structure of the wood has disappeared, the water being present in

sufficient amount to substantially completely cover the wood, then recovering a resin as the residue remaining after removal of the water solution.

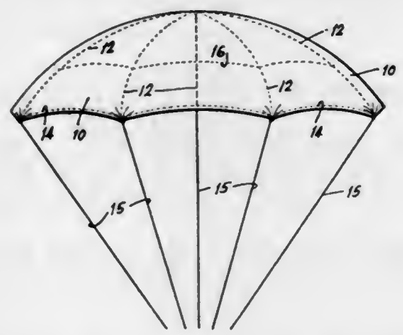
2,410,206
CASING
Alpheus J. Freeman, Chicago, Ill., assignor, by mesne assignments, to Glenn S. Noble, Chicago, Ill.
Application August 1, 1938, Serial No. 222,428
13 Claims. (Cl. 99—176)



1. A casing for food products, formed of a strip of parchmentized paper having its edges sewn together and having a longitudinal internal tubular welt which is flattened close to the inner wall of the casing for closing the joint formed by the seam the seam and stitching projecting longitudinally on the outside of the casing to form a rib which is useful in the ripping of the casing.

10. A tubular casing formed of a long strip of paper each edge of the strip being folded back upon itself with the outermost portion lying against the adjacent wall of the casing, the four thicknesses thus formed being fastened together by stitching close to the outer periphery of the casing and substantially tangential thereto when the casing is expanded, the edges extending beyond the stitching and forming a rib which is useful for removing the casing from any contents enclosed therein.

2,410,207
PARACHUTE
Leonard P. Frieder, New York, N. Y.
Application October 25, 1941, Serial No. 416,479
4 Claims. (Cl. 244—142)



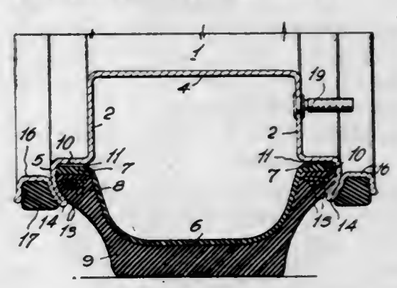
3. A parachute comprising a canopy or sail consisting of a substantially circular one-piece sheet of paper and reinforcing stitched seams extending radially of the sail, each of the said seams consisting of a substantially straight shuttle thread held in place by relatively loose loops in a needle thread extending through the paper and around the shuttle thread.

2,410,208
BUTTON PROTECTOR
Robert A. Gauldin, Enid, Okla., assignor of one-half to Truman H. Netherton, Enid, Okla.
Application August 17, 1944, Serial No. 549,929
1 Claim. (Cl. 68—235)



A shield adapted temporarily to be attached to a row of buttons on a garment during the laundering, dry cleaning or pressing of the garment which includes a bottom strip having a single row of closely spaced button holes adapted to receive the buttons on the garment, a cover strip permanently attached to the side edges of the bottom strip and adapted to overlie the buttons to protect them from injury or loss during the treatment of the garment, and an uncovered extension on the bottom strip having a button-hole therein whereby a second shield may be attached to the garment in alignment with the first shield to protect a series of buttons on the garment which might be left unprotected by the first shield.

2,410,209
COMBINED WHEEL RIM AND PNEUMATIC TIRE
H. Mitchell Godsey, Crockett, Tex.
Original application September 15, 1941, Serial No. 410,932. Divided and this application May 1, 1945, Serial No. 591,339
4 Claims. (Cl. 152—330)

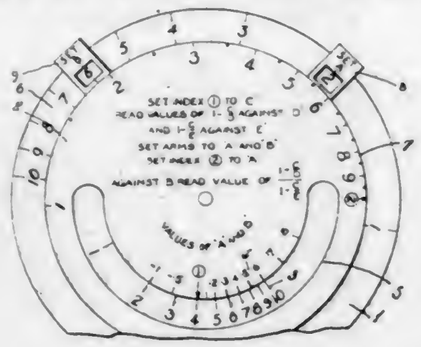


1. A vehicle tire structure comprising a drop center wheel rim having a bottom and two outwardly extending flanges forming a recess, the outer edges of said flanges being formed as grooves, said grooves having outwardly facing surfaces, a separate band of rubber extending across the open side of said recess and having its edges seated on said outwardly facing surfaces, the edge portions of said band being thicker than the center portion and of smaller circumference than said outwardly facing surfaces on which they are seated, so as to elastically press on said surfaces and aid in the sealing, and an outer casing covering said band.

2,410,210
COMPUTER OF THE SLIDE RULE TYPE
Paul Goudime-Levkovitsch, Wentworth, England, assignor to Simmonds Aerocessories Limited, London, England
Application July 7, 1943, Serial No. 493,774
In Great Britain July 29, 1942
2 Claims. (Cl. 235—84)

1. In a computer of the slide rule type for computing wind direction by the four point bearing

method, a member having a scale which is plotted in accordance with the expression $d'=K \log y'$, where d' is the linear distance from the origin of the scale of any given graduation y' and K is a



constant of proportionality, and a second relatively movable member having a scale which cooperates with the first-mentioned scale and which is plotted in accordance with the expression

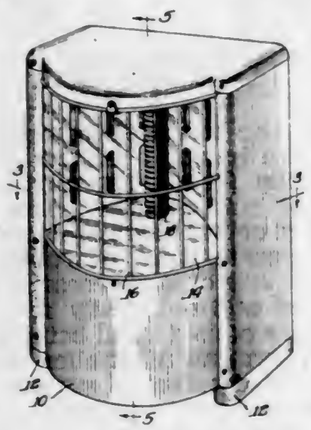
$$d=K \log \left(\frac{10^n}{10^n-y}\right)$$

where d is the linear distance from the origin of the scale of any given graduation y, n is a whole number chosen according to the decade over which y is to be measured, such that the value of

$$K \log \left(\frac{10^n}{10^n-y}\right)$$

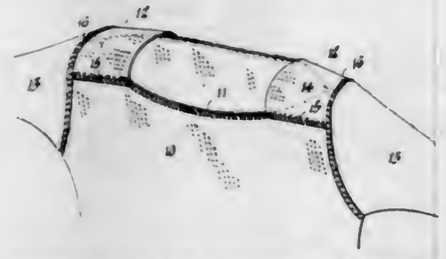
remains positive at the maximum value of y, and K is the same constant of proportionality as that used in plotting the first-mentioned scale.

2,410,211
PORTABLE ELECTRIC HEATER
James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 8, 1944, Serial No. 544,034
6 Claims. (Cl. 219—34)



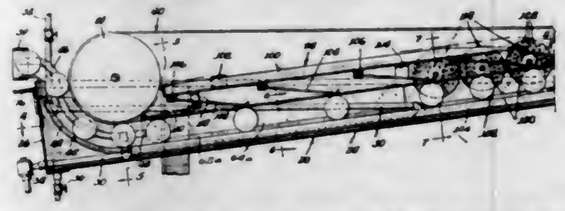
1. A portable electric room heater comprising a closed outer housing having an air inlet adjacent the bottom thereof, an electric heating element mounted within the upper portion of said housing, a cylindrical parabolic reflector positioned about said element in spaced relation to said housing, said reflector being provided with a plurality of generally longitudinal louver-like air passages for discharging air parallel to the direction of the reflected heat rays, and an electric fan mounted within said housing for producing a forced air circulation between said reflector and said housing.

2,410,212
GARMENT
Harry S. Heilbronner, Perry, N. Y.
Application November 15, 1945, Serial No. 628,739
3 Claims. (Cl. 2—111)



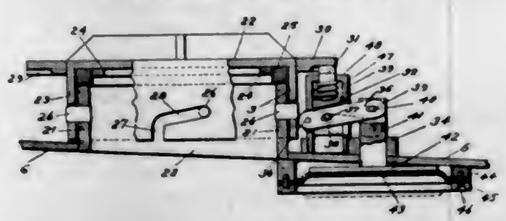
1. A garment of the character described, comprising a body having a neck opening of a size to freely slip over the head of the wearer, and means forming shoulder and neck-engaging elements secured at their front, rear and outer side edges to said body with the inner portions thereof extending inwardly from and spanning the companion ends of the neck opening in substantially chordal fashion.

2,410,213
ELECTROLYTIC CAN CLEANER
Alexander C. Herro and Paul Smart, Oconomowoc, Wis., assignors to Carnation Company, Oconomowoc, Wis., a corporation of Delaware
Application November 6, 1939, Serial No. 302,942
4 Claims. (Cl. 204—141)



1. A device of the class described for cleaning the surfaces of a metallic tin plate container to remove external foreign matter, which comprises an electrolytic cleaning bath, means for immersing said container in said bath, means for connecting said container as an electrode during at least a portion of its period of immersion in said bath to effect said electrolytic cleaning, and brush means at least partially in said bath and movable relative to the container surfaces for separating electrolytically loosened surface material therefrom.

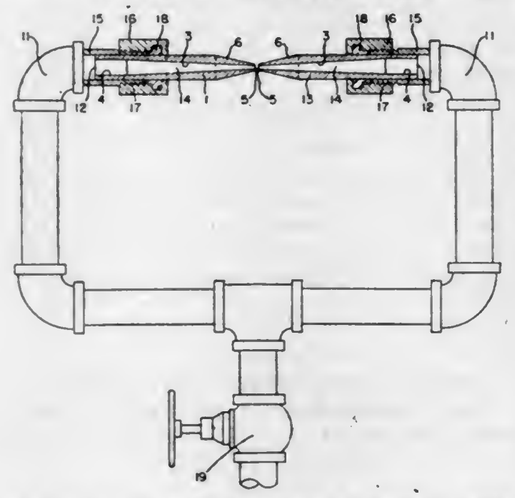
2,410,214
SAFETY MECHANISM FOR DYE KETTLES AND THE LIKE
Joseph H. Higginson and Homer C. Riggs, Andover, Mass., assignors to Riggs & Lombard, Inc., Lowell, Mass., a corporation of Massachusetts
Application January 7, 1944, Serial No. 517,460
3 Claims. (Cl. 220—40)



1. Safety closure mechanism for the sampling hole in a stock dye kettle or the like containing

fluid under pressure and having a cover plate provided with an outwardly extending cylindrical wall surrounding the sampling hole comprising a cover for said sampling hole having a flange telescopically and rotatably fitting said wall, cooperating means on said cover flange and wall operable upon rotation of the cover in one direction to clamp the cover on said wall and upon rotation in the opposite direction to release the cover therefrom, a peripheral rim on said cover provided with a series of recesses, a latch reciprocably mounted on the cover plate of said kettle in cooperative relation to the recess in said rim, and means operable by the fluid under pressure in said kettle to maintain the latch in engagement with a recess in said rim so long as fluid pressure in the kettle is maintained.

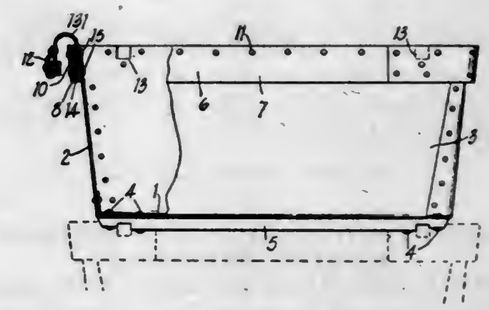
2,410,215
SPRAY NOZZLE
Henry G. Houghton, Wellesley Hills, Mass.
Application October 24, 1944, Serial No. 560,110
22 Claims. (Cl. 299—130)



13. A spray nozzle having a liquid discharge orifice, a liquid entrance aperture of diameter relatively large compared to the diameter of the orifice, and a longitudinally disposed interior passage uninterruptedly connecting the aperture and the orifice, the passage being conical of relatively small apex angle for a length in the region of the discharge orifice large compared to the maximum diameter of the conical passage, the dimensions of the nozzle and the length of the conical passage being such that the nozzle shall produce a laminar stream under a pressure substantially higher than 15 pounds per square inch.

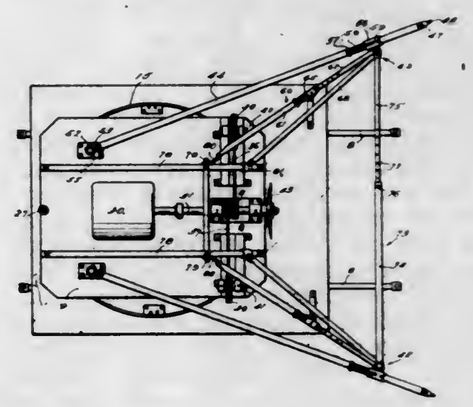
2,410,216
STACKING BOX
Edward T. Insoll, Chicago, Ill.
Application July 23, 1942, Serial No. 452,000
7 Claims. (Cl. 220—97)

3. A receptacle of the type described, comprising side and end wall panels, and top reinforcing rim members secured thereto, said rim members and panels being secured together in rigid distortion resistant relationship, stocking bars, flexible hinge-like means connecting said stacking bars to the ends of the box, said side top members having recesses in the top edges thereof for the reception of the stacking bars in operative stacking position thereof, and reinforcing elements on said top members at the corners of the box having portions extending in external covering relation to said recesses to prevent longitudinal displacement of said bars therein, said flexible hinge-like means being positioned to be moved across the ends of the recep-



tacle when said stacking bars are moved from an inoperative position outside said receptacle to an operative position in said recesses.

2,410,217
SUPPORT FOR SHEEPSHEARING APPARATUS
Ralph R. Just, Salem, Oreg.
Application March 31, 1944, Serial No. 529,021
3 Claims. (Cl. 248—2)

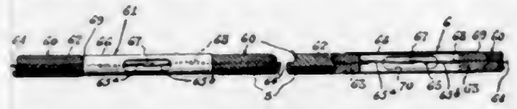


1. In apparatus of the class described, a horizontal support, and shearer cable hanger means comprising a pair of elongated hanger bars inclining upwardly from said support adjacent opposite sides thereof and having lower ends pivoted on said support whereby said bars are adjustable laterally and vertically into different set positions, and means to adjust said hanger bars comprising a pair of horizontal raised bars fixed on said support intermediate said pair of hanger bars, a pair of extensible sustaining bars hingedly connected to said hanger bars adjacent the upper ends thereof and also hinged to said parallel bars, a pair of brace bars pivoted to the hinged connection of the sustaining bars and also slidably connected to said parallel bars, and bridging means extending between said hinged connections.

2,410,218
THERMOPILE FOR FIRE ALARM SYSTEMS
Frederick G. Kelly, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application May 13, 1942, Serial No. 442,759
5 Claims. (Cl. 136—4)

4. A thermopile comprising a cable serially including at intervals a plurality of thermocouples, flexible metal sheathing covering the cable between adjacent thermocouples, and rigid metal

housings for the thermocouples secured to said metal sheathing, each of said housings having an



opening therein at the hot junction of the respective thermocouple.

2,410,219

PIGMENT OR DYESTUFF AND METHOD OF MAKING THE SAME

Theodore A. Langstroth, Montclair, N. J., assignor to Sun Chemical Corporation, a corporation of Delaware

No Drawing. Application December 22, 1942, Serial No. 469,824
14 Claims. (Cl. 106—289)

1. The method of coupling an azo compound with a methylenic coupling component to provide a pigment of clean color and high tinctorial strength, which comprises preparing a high concentration solution of the azo and a high concentration solution of the coupling component in relatively controlled molecular proportions, preparing an aqueous reaction bath having an acid pH into which said coupling components are to be added and having such constituency as to remain of substantially constant acid pH below about 5.0 throughout the reaction period, and introducing said components at a controlled rate and in equivalent reacting proportions into said reaction bath and maintaining the concentration of the components in the reaction bath below about 2% and causing intimate reacting admixture of said components as introduced, and continuing such controlled introduction of the components until substantially complete inter-reaction of both components is effected.

9. The method of preparing a pigment dyestuff of high tinctorial strength and capable of maintaining said strength substantially undiminished under adverse conditions equivalent to heating to 65° C. for two weeks or storage for periods as long as six months, which comprises preparing solutions of an azo component and of a methylenic developer component of relatively controlled reacting proportions, preparing a reaction bath in volume controlled according to the amount of components to be added thereto and comprising an aqueous acid solution buffered to maintain a pH below about 5.0 throughout the coupling reactions, simultaneously introducing azo solution and developer solution into said reaction bath, and effecting and maintaining intimate reacting relationship of the reactants to cause substantially complete reaction of the components, thereafter raising the temperature of the reaction bath to approximately 60–65° C., thereafter raising the pH in the bath with its contained coupled material to about 6.5, adding a resin solution and a precipitant component reactive with the resin to effect resination of the pigment particles in the bath, and thereafter recovering the resinated particles of pigment dye.

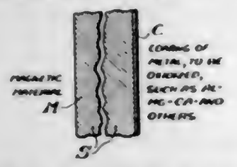
2,410,220

CORE LAMINATION AND METHOD OF PRODUCTION THEREOF

William P. Langworthy, Philadelphia, Pa.

Application December 9, 1943, Serial No. 513,604
9 Claims. (Cl. 148—6)

1. A method of producing ferro-magnetic core laminations having increased permeability resulting from high temperatre treatment in hydrogen which comprises applying to at least one face of a sheet of ferro-magnetic core material a discontinuous coat of a substance selected from the group consisting of aluminum, magnesium and calcium whereby a perforate coated sheet is formed permitting access to ferro-magnetic material in exposed porous areas and in the uncoated edges, forming laminations from the perforate coated sheet with uncoated edges, and subjecting the perforate coated laminations with porous areas and uncoated edges to a high temperature treatment in the presence of an oxygenated atmosphere containing hydrogen and at a temperature of at least 2000° F. to cause reduc-



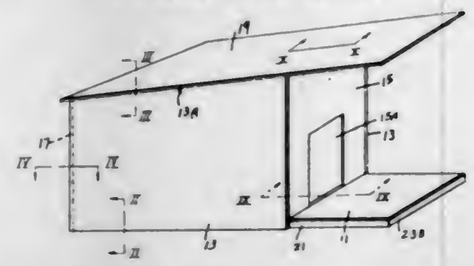
tion of material in porous areas and uncoated edges of said ferro-magnetic material while at the same time oxidizing said substance of said discontinuous coating whereby the permeability of the ferro-magnetic material is increased and the said substance is oxidized to form a self-adherent discontinuous coating preventing the sticking of one lamination with a neighboring one during the aforesaid high temperature operation and preventing electric conduction from one lamination to a neighboring one, preventing core losses and preventing magnetic fluxes from straying when said laminations are subsequently used in core structures subjected to alternating currents.

2,410,221

PREFABRICATED DOG HOUSE

John Joseph Latura, Memphis, Tenn.

Application April 20, 1945, Serial No. 589,305
1 Claim. (Cl. 20—2)



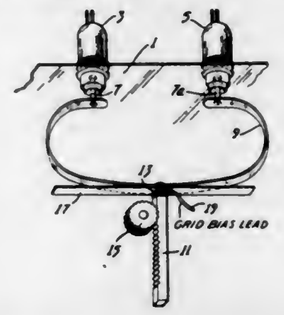
A structure including a prefabricated floor unit, a pair of side wall units, a front wall unit, a back end wall unit and a roof unit; said floor unit comprising a pair of longitudinal frame members, a plurality of transverse frame members and a floor sheet secured to said frame members; said side wall units each comprising a side wall sheet, an upper member and a lower member, said side wall sheet being secured to said upper and lower members, said lower members being each spaced above the lower edge of the said wall sheet secured thereto, each said lower member carrying a longitudinal tongue; said floor unit being of a length substantially greater than the length of said side wall units, said floor sheet being cut away along each side above said longitudinal frame members for the length of said side wall units to form shoulders; a channel along the upwardly disposed surface of each of said longitudinal frame members, said channels terminating at said shoulders, said tongue members slidably engaging said channels to join said wall units to said floor unit, said shoulders limiting forward movement of said side wall units along said floor unit; slidably engaged interlocking means joining said end wall units to said side wall units, cooperative means carried by said floor sheet and said end wall units, locking said side wall units against backward movement along said floor unit, slidably engaged interlocking means securing said roof unit to said side wall units, said roof unit overlying said side wall units and said end walls to prevent disengagement of said end walls, and means securing said roof against longitudinal displacement relatively to said wall.

2,410,222

TUNING MEANS

Howard C. Lawrence, Jr., Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 17, 1944, Serial No. 522,726
9 Claims. (Cl. 250—40)



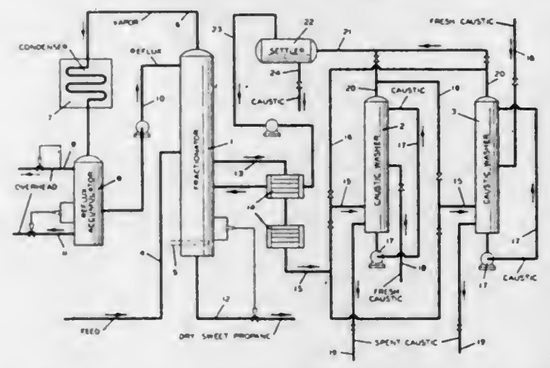
1. In combination, an electrically resonant circuit wherein the capacitance is fixed and the inductance comprises a flexible conductive loop of less than one full turn, and means for deforming said loop to vary the area embraced by and hence the effective inductance of said loop.

2,410,223

TREATMENT OF HYDROCARBONS

Harold R. Legatski, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application March 2, 1942, Serial No. 433,063
8 Claims. (Cl. 196—5)



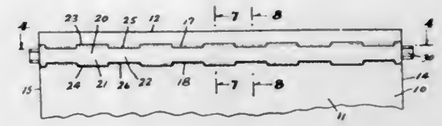
1. In a fractionation process for the removal of moisture and hydrogen sulfide from a low boiling fraction of impure hydrocarbons the steps comprising introducing the impure hydrocarbons into a fractionating column intermediate the ends thereof, removing overhead by fractionation moisture and a portion of the hydrogen sulfide, withdrawing at least a portion of the partially purified low boiling fraction from the fractionator at a point slightly below the impure hydrocarbon introduction point, caustic treating said withdrawn partially purified low boiling fraction for removal of the hydrogen sulfide, substantially separating said low boiling fraction from the caustic, reintroducing the caustic treated portion of the low boiling fraction into the fractionator at a point immediately below its withdrawal point and a substantial distance from the bottom of the fractionator, and completing removal of the hydrogen sulfide and moisture by continued fractionation, and removing the hydrogen sulfide free and dehydrated low boiling hydrocarbon fraction from the bottom portion of the fractionator.

2,410,224

PLEATING CURTAIN CONSTRUCTION

Edward Lepow, New York, N. Y., assignor to Home Curtain Corporation, Far Rockaway, N. Y., a corporation of New York

Application July 23, 1945, Serial No. 606,625
5 Claims. (Cl. 160—348)



4. Curtain construction comprising: a panel; a tape element secured to said panel along the longitudinal edges of the tape; said tape element having a pair of openings adjacent said tape element edges; whereby the portion of the tape element lying between said openings is substantially free of connection with the panel, and may buckle away from the panel when the panel and tape element are constricted laterally of the panel.

2,410,225

COATING BY FLAME-SPRAYING METHOD

Maurice L. Macht, Jersey City, and Malcolm M. Renfrew, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

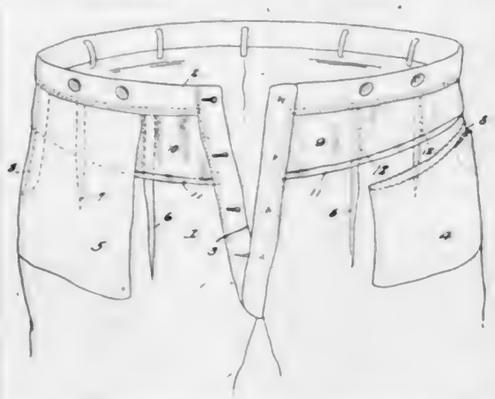
No Drawing. Application June 17, 1942, Serial No. 447,452
4 Claims. (Cl. 117—104)

1. Process of providing a surface with a dense, homogeneous resin coating which comprises feeding into a flame-spraying device along with a fuel gas and oxygen, an organic thermoplastic material in the form of particles passing a 50-mesh screen and substantially all retained on a 200-mesh screen, said thermoplastic material essentially comprising a polymer selected from the group consisting of polyvinyl butyral resins of the following composition, by weight:

	Per cent
Polyvinyl acetate	0.0 to 1.0
Polyvinyl alcohol	10 to 20
Polyvinyl butyral	79 to 90

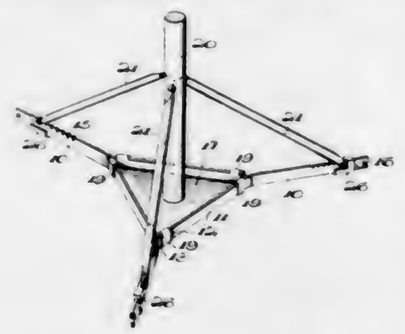
fusible ethylene polymers having a molecular weight of at least about 10,000 and containing from 0% to 80%, by weight thereof, of cyclorubber, and methyl methacrylate polymers substantially free of material soluble in ethyl alcohol, and said fuel gas, oxygen, and thermoplastic material being so proportioned to insure complete combustion of said fuel gas and to give a smokeless spray of said thermoplastic material in the form of completely fused, molten droplets, and directing said spray upon said surface with said flame-spraying device held sufficiently close to said surface so that the droplets of thermoplastic material impinge thereon while still in molten condition.

2,410,226
TROUSERS CONSTRUCTION
Earle Martin, Hutchinson, Kans.
Application October 2, 1945, Serial No. 619,839
2 Claims. (Cl. 2—227)



1. The combination with trousers having a waistband and pleats extending downwardly from the waistband, of fabric supporting elements secured throughout their lengths to the inner surface of the trousers, at the lower edge of the waistband, one of the ends of each fabric supporting element being secured to the main portion of the trousers at a point adjacent to the fly of the trousers, the opposite ends of the fabric supporting elements being secured to the main portion of the trousers adjacent to the pockets thereof, there being rows of stitches for attaching the supporting elements to the pleats, whereby said pleats are maintained closed.

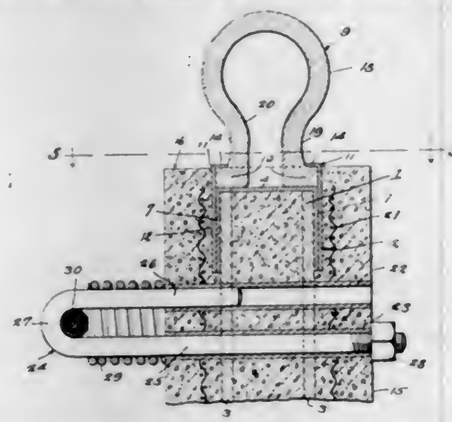
2,410,227
CHRISTMAS TREE HOLDER
Carlton T. Matthews, Green Bay, Wis.
Application June 7, 1946, Serial No. 675,168
8 Claims. (Cl. 248—48)



1. A tree holder including companion base bars having angularly disposed inner end portions adapted to mate and form a frame, a pan fitting in said frame and having resilient means thereon slidably engaged with the inner end portions of said bars and clamping the bars in assembled relation with the pan, said pan being adapted to receive the lower end of the trunk of a tree, and means extending between the tree trunk and the outer end portions of said bars bracing the tree in upright position.

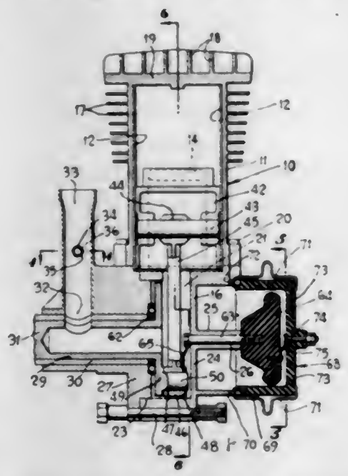
2,410,228
HIGHWAY TRAFFIC POST
Robert E. Lee Maxey, Akron, Ohio
Application April 17, 1944, Serial No. 531,465
2 Claims. (Cl. 256—13.1)

1. A highway guard including a supporting post having a pair of upper and lower transverse tubes extending therethrough, a hook bolt comprising a long arm and a short arm, and a curved portion connecting the long arm and short arm, said arms being slidably mounted within the transverse tubes, one end of the hook being extended beyond the side of the post, a coiled spring positioned



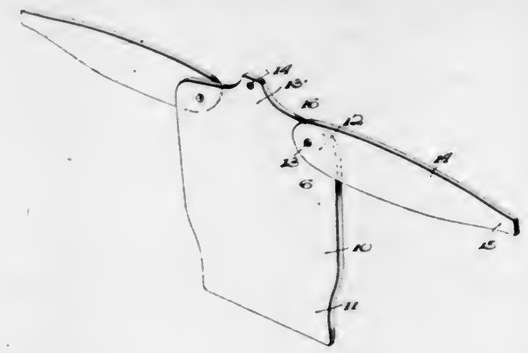
over the extended end of the hook and adapted to frictionally engage a cable held in the hook forcing the cable outwardly into engagement with the curved portion of the hook, whereby said hook and cable move against the tension of said spring, and means for securing the hook to the post.

2,410,229
MINIATURE GASOLINE ENGINE
Daniel Miller, Montebello, Calif.
Application October 4, 1944, Serial No. 557,133
15 Claims. (Cl. 123—59)



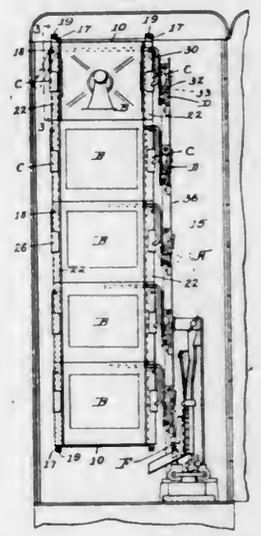
1. In an internal combustion engine, the combination of: first and second body members in side by side relation, each consisting of a cylinder and a crank case; a piston in each of said cylinders and a connecting rod extending from each piston into the cooperating crank case; an interconnecting crank shaft member extending from one of said crank cases to the other, said crank shaft member having a shaft portion with a first crank arm at one end thereof in the crank case of said first body and a crank member at the other end thereof in the crank case of said second body member; interconnecting means to connect said crank cases together having a shaft opening to receive said shaft portion, said means having a removable part to expose said shaft opening to one side so that said shaft portion may be placed in said shaft opening from the side of said interconnecting means; an output shaft extending into the crank case of said first body member in alignment with said shaft portion, said output shaft having a second crank arm spaced from said first crank arm; crank pin means connecting said first and second crank arms, said crank pin means engaging one of said connecting rods and being disengageable from one of said crank arms; and crank pin means on said crank member engaging the connecting rod in the crank case of said second body member.

2,410,230
CLOTHES DRYING, BLOCKING, OR STRETCHING DEVICE
Alvin Scott Parker, Jr., High Point, N. C.
Application July 24, 1945, Serial No. 606,814
4 Claims. (Cl. 223—69)



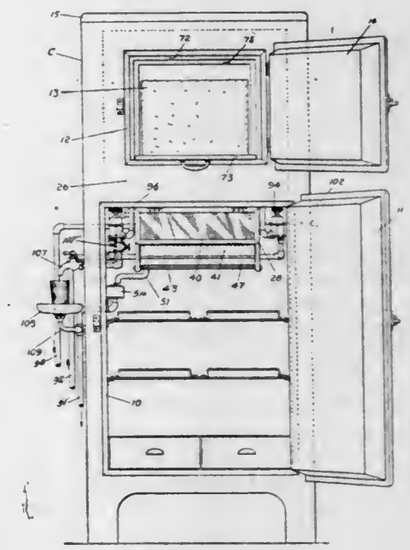
1. A device for drying, stretching or blocking a garment, such as a sweater or the like, comprising a body portion, arms arranged upon the opposite faces of the body portion, means permanently pivotally connecting the arms with the body portion, the arms being longer than the width of the body portion adjacent to the pivot means, the arrangement being such that the arms may be swung outwardly to a long-arm position, or across the body portion to a short-arm position.

2,410,231
VENDING MACHINE
Charles F. Pease, Long Beach, Calif.
Application May 24, 1943, Serial No. 488,131
5 Claims. (Cl. 312—146)



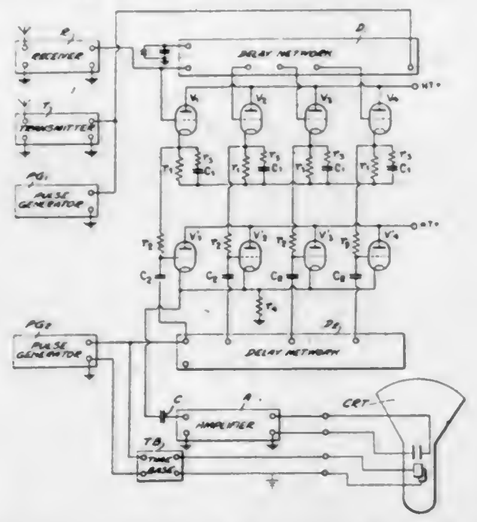
1. In a machine of the class set forth, a cabinet section having an opening in one of its walls, a series of dispensing units superimposed in said opening, a support having its ends bent forwardly and secured upon, and its intermediate portion spaced away from, the inner surface of said wall along each side portion of said opening, said dispensing units having side wings overlying said supports, and clasps hinged upon said supports and having jaw members adapted to separably engage and hold the supports and overlying wings of the dispensing units together, said cabinet section being open at its rear to give access to said clasps, whereby the dispensing units are readily interchangeable in the opening in said cabinet.

2,410,232
REFRIGERATING APPARATUS
Arthur J. Pedigo, Cookeville, Tenn.
Application March 11, 1944, Serial No. 526,021
16 Claims. (Cl. 62—89)



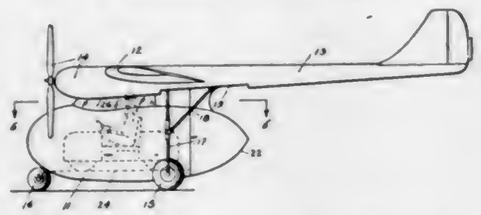
1. A refrigeration apparatus comprising, in combination with a casing, a horizontally disposed frame, hangers for suspending said frame in the casing, vertical spaced parallel walls mounted upon said frame and formed to connect between front and rear walls of the casing, the casing having a door controlled opening leading through the front wall into the space between the vertical walls, said vertical walls being spaced from the adjacent side walls of the casing to form vertical side air flues and being spaced from the top wall of the casing to form a horizontal air space, transverse walls connecting between said side walls and spaced from the front and rear walls of the casing to form vertical front and rear air flues, a top wall connecting the top edges of said spaced vertical walls and said transverse walls and forming therewith an ice chamber, a door controlled opening for the ice chamber through the said transverse wall adjacent to the first mentioned opening, means forming an ice supporting grid in the lower part of the ice chamber, said grid including a transverse water conducting pipe, water coils disposed in the first mentioned air flues and in the said horizontal air space and connected in series with the water pipes forming a part of said grid, means for connecting a source of water supply to said pipes and coils for circulation therethrough, a mechanical heat absorption unit in said front and rear air flues, and a mechanical heat absorption unit within the ice chamber.

2,410,233
METHOD AND APPARATUS FOR REDUCING THE EFFECT OF INTERFERENCE
William Spencer Percival, Ealing, London W. 5, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application June 13, 1942, Serial No. 446,975
In Great Britain November 30, 1939
10 Claims. (Cl. 250—20)



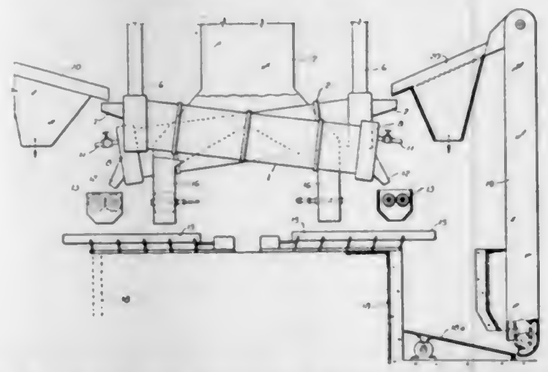
10. In the method of observing desired signals having predetermined time relationship in a train of signals including undesired random signals, the amplitude of said desired signals being comparable with or less than the amplitude of said undesired signals, the steps which comprise, in the order enumerated, selecting signals from said train during recurrently spaced time intervals, at least some of said intervals coinciding with corresponding recurrent parts of a plurality of said desired signals, integrating said selected signals, and deriving modified signals from said integrated selected signals, whereby the minimum value of the ratio of the amplitudes of said desired and said undesired signals is increased and the observation of said desired signals is rendered less difficult.

2,410,234
COMBINATION AERIAL AND LAND VEHICLE
Robert C. Read, Wilton, Conn., and Ernest W. Schlieben, Scarsdale, N. Y., assignors to York Research Corporation, New York, N. Y.
Application November 9, 1943, Serial No. 509,570
6 Claims. (Cl. 244—2)



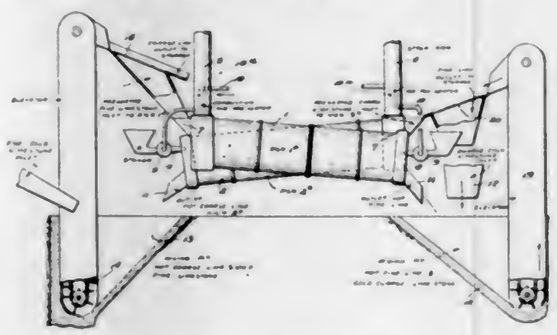
1. Means for transportation comprising in combination: an aircraft having a fuselage, a compartment in said fuselage, a motor car equipped with two front seats in said compartment, said motor car being secured to said compartment in a predetermined position and having control means for its operation which are in conventional way operable from one of said front seats, further control means arranged in said compartment for the operation of said aircraft, said further control means being operable from the other one of said front seats and comprising foot pedals, an opening at the front part of said motor car close to the last mentioned front seat at the level of said foot pedals, means for opening and closing said opening, said opening being dimensioned for the passage of said foot pedals into said motor car when said motor car is placed into its predetermined position so that said foot pedals can be readily operated by the pilot seated on the last mentioned of said front seats.

2,410,235
METHOD AND APPARATUS FOR HEAT-TREATING CALCAREOUS MATERIALS
Warford A. Reaney, Delaware, Ohio
Application June 23, 1943, Serial No. 491,962
7 Claims. (Cl. 263—53)



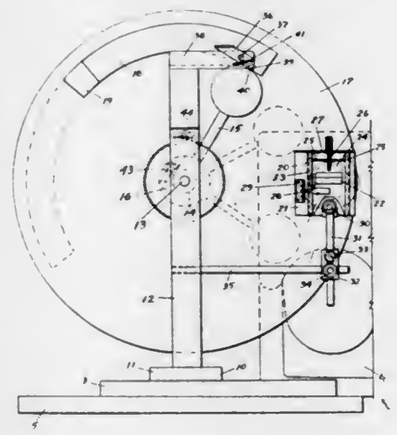
3. A plant for burning limestone comprising a pair of rotary cylindrical kilns arranged in side by side order with their material-receiving and discharging ends reversed, crushing means for receiving heated materials discharged from said kilns to reduce the particle or lump size thereof, a receiver for unheated limestone of relatively coarse particle or lump size, conveying apparatus arranged for the reception and intermingling of the unheated coarse materials discharged from said receiver and the relatively highly heated fine materials discharged from said crushing means, and screening means cooperative with said conveying apparatus for separating the heated fine materials and delivering the segregated and preheated coarser size materials to the inlet ends of said kilns.

2,410,236
METHOD AND APPARATUS FOR HEAT-TREATING LOOSE BULK MATERIALS
Warford A. Reaney, Delaware, Ohio
Application June 27, 1945, Serial No. 601,763
8 Claims. (Cl. 263—22)



5. Process for heat-treating loose bulk materials, which comprises advancing a stream of such materials composed of particles relatively coarse in size through a confined heating zone, simultaneously therewith advancing a second stream of such materials composed of particles of finer size through a separate heating zone, admixing with the hot coarse materials immediately upon their discharge from the first-named heating zone quantities of unheated material of fine particle size, the latter constituting the charging material for the second heating zone, following heat exchange between said admixed materials screening the same to separate the heat treated materials of coarse particle size from the preheated finer materials and delivering the latter to said second-named heating zone, admixing with hot materials of fine particle size immediately upon their discharge from the said second-named heating zone quantities of unheated coarse material to preheat the latter material, prior to its delivery to the inlet side of the first-named heating zone, and screening said last-named admixture to remove therefrom the heated material of fine particle size and delivering the preheated material of coarse particle size to the first-named heating zone.

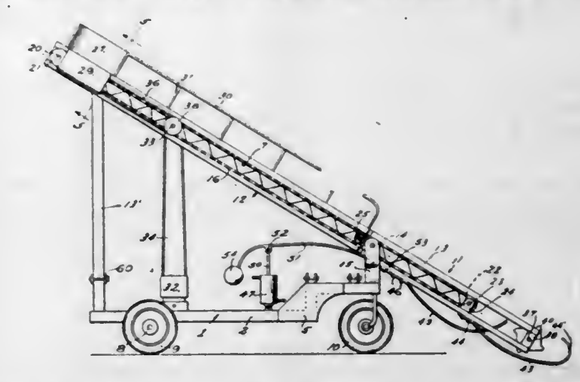
2,410,237
TACHISTOSCOPIC APPARATUS
Samuel Renshaw, Columbus, Ohio
Application April 6, 1944, Serial No. 529,789
5 Claims. (Cl. 88—20)



1. In a tachistoscope, a base frame, a rotatable shutter on said frame having a peripherally located light-transmitting region adapted for registration with a light sheaf projected from an associated light source, a member on said frame rotatable axially with said shutter, means for rotating said shutter at variable rates of speed embodying a pair of pendulum arms having their inner ends arranged in longitudinally aligned order on said rotatable member, and means for adjustably securing the inner ends of said arms to the rotatable member to vary arcuately the spacing thereof.

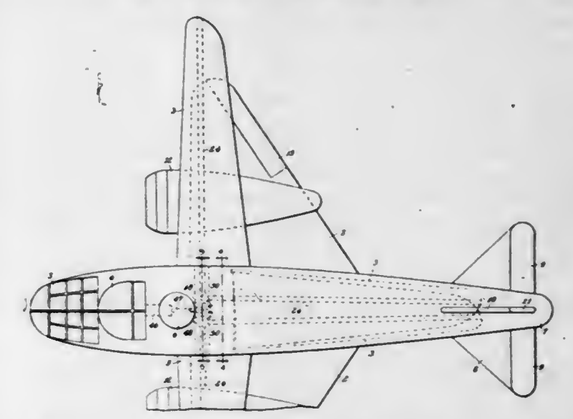
2,410,238
HAY LOADING APPARATUS
Joseph Elan Ringrose, Redmond, Oreg.
Application December 14, 1943, Serial No. 514,269
1 Claim. (Cl. 198—9)

Apparatus for loading bales of hay in a field onto a truck comprising a wheel-supported chassis frame, elevator structure surmounting said frame and inclining upwardly and rearwardly over the same, said structure comprising a vertically swingable front section, a transversely extending pick-up roller at the front end of said section, an endless conveyor extending into said section and having a front end terminating adjacent said roller, ground-engaging means on said section for maintaining the front end thereof and said roller off the ground comprising a pair of downwardly bowed bar-like side shoes having upwardly and rearwardly curved front ends in advance of said roller, and a guard plate on said section extending forwardly beneath the front



end of the conveyor and upwardly between said end and said pick-up roller to protect the front end of the conveyor against rocks on the ground, said front section being full floating vertically and having a range of swinging movement at its front end well below and above the ground line of the chassis supporting wheels.

2,410,239
AIRPLANE
Carl Roe, Mineola, N. Y.
Application November 20, 1942, Serial No. 466,267
10 Claims. (Cl. 244—49)

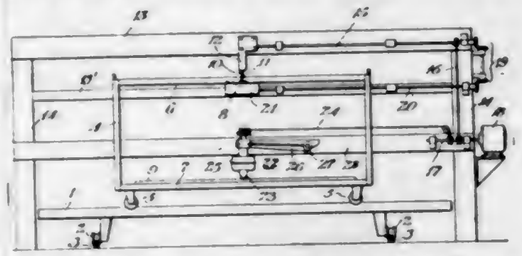


1. In an airplane, the combination of a fuselage having a roof portion and opening extending longitudinally of the fuselage on each side of said roof, a wing storage compartment under said roof, roof supporting members extending up through said wing storage compartment, and wings foldable into stored position in said compartment and having transverse slots to receive said roof supporting members.

2,410,240
FEEDING MECHANISM FOR QUILTING MACHINES AND THE LIKE
Theodore F. Schlicksupp, Long Island City, N. Y.
Application April 30, 1946, Serial No. 666,161
5 Claims. (Cl. 112—203)

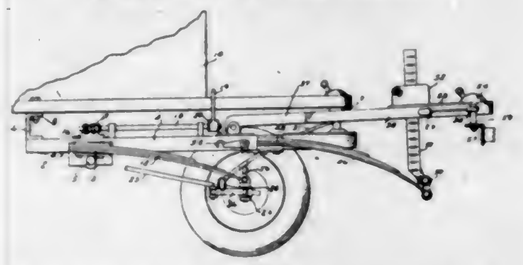
1. A feed device adapted to cooperate with a template to produce relative movement between a work-piece and a work-performing instrumentality along an irregular path, said feed device having a pair of traction wheels adapted to engage two side walls of the template, and power

transmitting means for driving said traction wheels, said means including differential gearing adapted to allow one traction wheel to be driven



faster than the other when the traction wheels are operating on curved portions of the template walls.

2,410,241
RIDING DOLLY
Arthur G. Schramm, Phoenix, Ariz.
Application June 15, 1945, Serial No. 599,675
4 Claims. (Cl. 280—33.44)



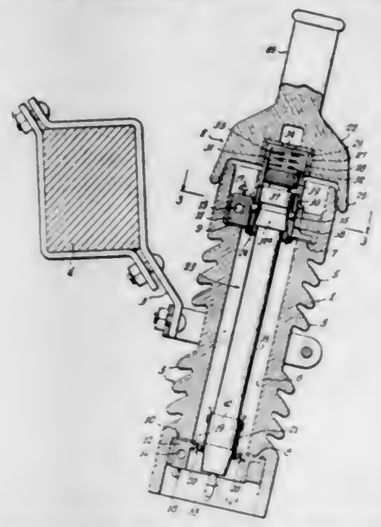
1. A riding dolly for trailers comprising a dolly frame, a pair of wheels supporting said frame, forwardly and downwardly extending quarter springs, mounted on said frame at their rear and to said wheels at their front, mounts for said springs on said frame adapted to rotate whereby the downward angle of said springs relative to said frame is increased, a hitch frame hinged to and extending forwardly above said dolly frame having a hitch socket at its front end, resilient adjustable means for maintaining said hitch frame downward relative to said dolly frame.

2,410,242
ELECTROCHEMICAL PROCESS OF TREATING CHROMITE ORE
Joseph Schulein, Corvallis, Oreg.
No Drawing. Application March 8, 1941, Serial No. 382,343
13 Claims. (Cl. 204—89)

1. A method of treating chromite ore to facilitate the recovery of chromium therefrom which comprises placing the ore in finely divided form adjacent the anode of an electrolytic cell having an aqueous alkaline solution of an alkali metal halate and passing a direct current of electricity through the cell to transform the ore adjacent the anode into chromium compounds which are soluble in the solution and non-chromium compounds which are insoluble in the solution.

2,410,243
BRAKE AND LOCK MECHANISM
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application November 27, 1942, Serial No. 467,121
10 Claims. (Cl. 188—67)

1. In combination, a pair of members comprising a first member and a second member, said members being movable, both relatively to each other and conjointly, along a prescribed path in two opposite directions alternately, spring means continuously biasing said members oppositely lengthwise of said path, a third member adjacent said path and relatively stationary with reference to said pair of members, said second member being interposed between said first and third members and having means co-operative with said first member for limiting relative movement lengthwise of said path between said first and second members, said first member having a surface which is acutely angular to the trend of said path, and a rollable member disposed between said first and third members and traversing said second member and located thereby in predetermined relation to said members length-

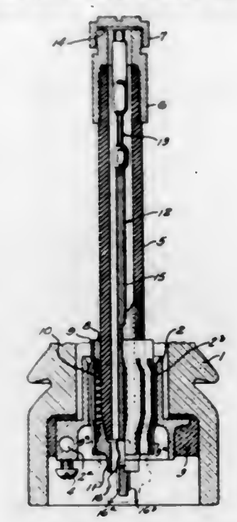


wise of said path, said rollable member normally having a limited free movement laterally of said path and actuable by said acutely angular surface into braking engagement with said first and third members in response to a movement of said first member relatively to said second member against the bias of said spring means and along said path in one only of said directions, said rollable member, conjointly with said third member, being effective, when actuated, to restrain said first member against further movement in said one direction, except movement in said one direction imparted to said first member by said second member.

2,410,244
FUSE
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application June 25, 1943, Serial No. 492,291
5 Claims. (Cl. 200—117)

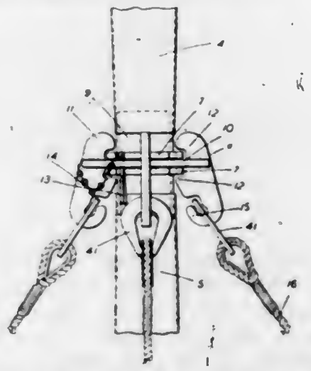
3. In combination, a fuse cartridge, a fuse link of the standard type within said cartridge having a terminal anchored at the upper end of said cartridge, the other end of said cartridge being open, said fuse link having as its other terminal a flexible conductive leader projecting out of the open end of the cartridge, a spring encircling said cartridge at its lower end and having one end anchored thereto, a terminal member carried by the other end of said spring at a point adjacent the open end of said cartridge, said terminal member having a passageway co-terminous with said open end of the cartridge and generally coaxial therewith, a metal clip attached to said flexible leader and having a plurality of pliable fingers which initially extend generally parallel to said leader so as to enable said clip to pass through the bores of said cartridge and terminal member, said fingers being bent after passing through the bores of said cartridge and

terminal member to form ears projecting radially from said leader and engaging said terminal member whereby said spring is maintained under compression and said fuse link is tensioned,



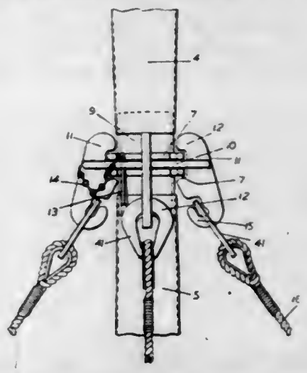
and a resilient contact carried by said cartridge frictionally engaging said terminal member to provide a counteracting force which in part nullifies the expansive force of said spring.

2,410,245
UNION FOR MASTS, POLES, AND THE LIKE
William Charles Scrivener and Alfred George Brewer, Sutton Coldfield, England, assignors to Masts Limited, Birmingham, England, a British company
Original application April 17, 1943, Serial No. 483,508. Divided and this application October 3, 1944, Serial No. 556,976. In Great Britain June 22, 1942
7 Claims. (Cl. 287—2)



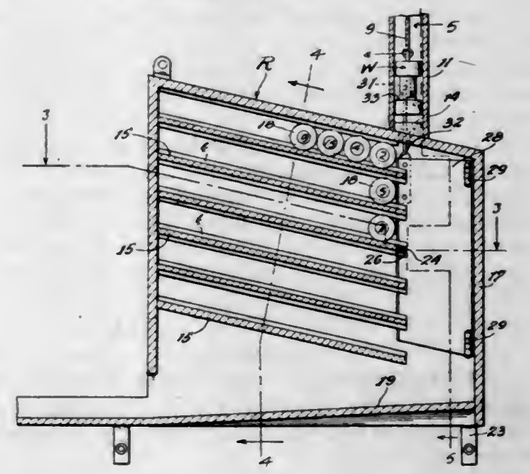
1. A union for effecting connection between the abutting ends of alined sections of sectional masts, poles and the like, comprising like radially-extending flanges on at least one end of each section having spaced, radially-extending peripheral slots therein with unslotted portions between said slots; a plate positioned between said flanges when said sections are arranged in axial alinement with their flanged ends in close proximity; and lugs associated with said plate and extending on opposite sides thereof, each lug having on its inner face a notch extending above and below said plate and defining opposed, overhanging shoulders spaced a distance equal to at least the combined thicknesses of said flanges and said intermediate plate, the spacing of said lugs with respect to said plate corresponding to the spacing of the slots in said flanges, whereby the sections may be placed in axial alinement with the plate between the flanges and with the lugs disposed within the slots therein and may be rotated about their axes to a limited extent with respect to said plate and lugs to cause the opposed shoulders of said lugs to overhang the unslotted portions of said flanges to thus secure said sections together in substantial axial alinement.

2,410,246
MAST, POLE, AND THE LIKE
William Charles Scrivener and Alfred George Brewer, Sutton Coldfield, England, assignors to Masts Limited, Birmingham, England, a British company
Original application April 17, 1943, Serial No. 483,508. Divided and this application October 3, 1944, Serial No. 556,978. In Great Britain June 22, 1942
4 Claims. (Cl. 189—26)



1. In a resilient mast, pole or the like, the combination of a plurality of rigid sections arranged in axial alinement, each of said sections having a flange at opposite ends thereof; a plate positioned between the flanged ends of each of said sections when said plurality of sections are arranged in axial alinement; lugs associated with each of the plates and extending on opposite sides thereof, said lugs cooperating with the adjacent flanges of adjacent sections to secure said sections together; and guys attached to the lugs and extending between said lugs and the ground or base on which said mast, pole or the like is mounted.

2,410,247
RACKING APPARATUS
John G. Smith, Brunswick, Ga.
Application January 5, 1944, Serial No. 517,121
6 Claims. (Cl. 211—15)



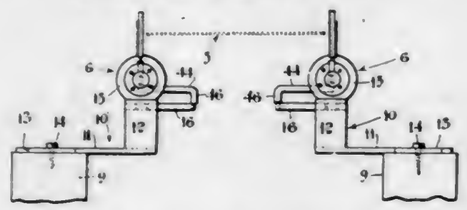
1. A bell racking apparatus comprising a sorting rack including vertically spaced tracks disposed on downward inclines, a vertically ar-

ranged door-like member in advance of and closely adjacent to the low ends of the tracks, means hingedly mounting that vertical margin of the member which is remote from the tracks to permit the member to swing on a vertical axis in a direction transversely of the tracks, means for constantly urging the member to swing to a position to dispose that vertical margin which is nearest the tracks in position across the low ends of the tracks to hold the balls on the tracks from dropping therefrom, said member when swung in the opposite direction moving into a position to allow the balls to drop, and means for moving the member into said second position.

2,410,248
TREATMENT OF FIBERS OR FIBROUS MATERIALS CONTAINING KERATIN
John Bamber Speakman, Far Headingley, Leeds, England, assignor to Perm Ltd., Dover, Del.
No Drawing. Application January 25, 1944, Serial No. 519,665. In Great Britain April 23, 1935
5 Claims. (Cl. 167—87.1)

1. Method of imparting a permanent set to hair, which comprises treating the hair with a sulphite solution at about pH6 and a temperature of from 50° to 70° C. while maintaining the hair in the form which it is desired to render permanent.

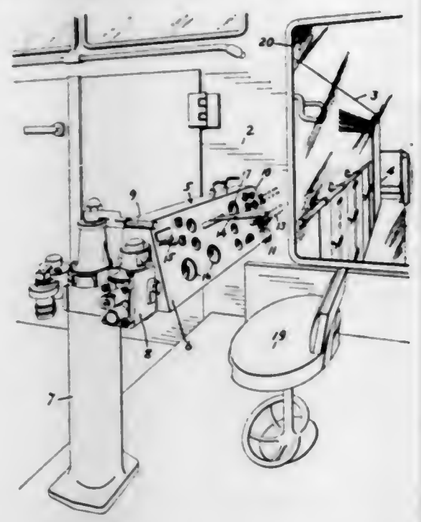
2,410,249
WARNING ALARM SIGNAL FOR PAPER MACHINES
Harry Story Spencer, Beauharnois, Quebec, Canada, assignor to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada
Application October 20, 1943, Serial No. 507,036
1 Claim. (Cl. 200—152)



A switch mechanism comprising a switch housing, a shaft extending through and rotatably journalled in one wall of said housing, a mercury switch mounted on said shaft within said housing, a member fitted on an end of the shaft located outside of said housing and provided with a transversely extending opening, an L-shaped arm having one arm thereof extending through said opening to provide a switch closing member, the other arm of said L-shaped member extending laterally to one side of said shaft and serving as a counterweight for biasing the shaft to a switch opening position, and a bracket carried by said housing and arranged to provide a supporting stop engageable with the last mentioned arm of the L-shaped member to limit rotation of said shaft in a switch opening direction.

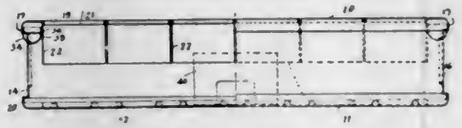
2,410,250
LOCOMOTIVE CONTROL PANEL
Dana R. Staples, Ridley Park, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application March 22, 1944, Serial No. 527,590
5 Claims. (Cl. 105—35)

1. The combination in a locomotive having a cab with a floor and a transverse cab wall and a window therein from which an operator looks forwardly from a normal operating position, a control panel comprising a substantially longitudinally extending panel structure with one end in juxtaposition to said wall so as to extend out-



wardly therefrom in a direction substantially longitudinally of the locomotive along one side of the operator's position, and means for supporting said panel in vertically spaced relation from the cab floor.

2,410,251
BOTTLE CRATE
Alphonso Taurman, Birmingham, Ala.
Application December 11, 1944, Serial No. 567,615
8 Claims. (Cl. 220—21)

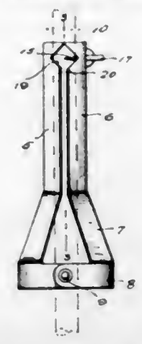


7. In a metal bottle crate having sides and ends, a handle member extending across the ends, abutting cylindrical bottle holders joined together and disposed in regular longitudinal and transverse rows with the side rows joined to the sides of the crate and the end rows joined to the handle members, and a top having a downturned flange fitting about the sides and ends of the crate and joined thereto, and also having downwardly flanged holes therein with the flanges fitting within and joined to the cylindrical holders.

2,410,252
CABLE STRIPPING TOOL
Edmond G. Torrence, Port Arthur, Tex.
Application October 18, 1944, Serial No. 559,195
4 Claims. (Cl. 81—9.5)

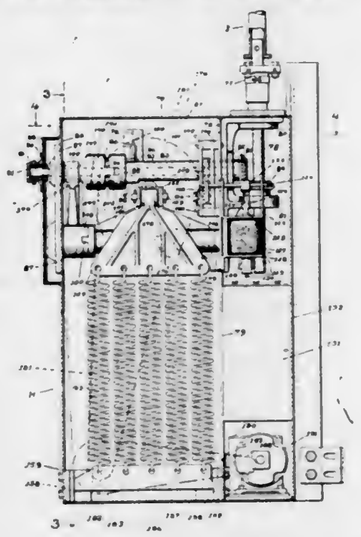
1. A cable stripping tool comprising a tubular member composed of a pair of longitudinally split sheet metal sections hingedly connected to each other at one end for opening movement of the free ends of the sections, the material of said sections at their free ends being thickened to provide rigid jaws, said sections being closed by a hand-gripping action, a transverse opening in the jaws at the split edges of the sections, said member being adapted for receiving a cable to be drawn longitudinally therethrough and said opening being adapted to receive a cable disposed transversely of the member for

rotary movement therein, and a cutter mounted in one of the jaws and projecting inwardly of the member in the path of the cable when posi-



tioned either transversely or longitudinally of the member for cutting into the surface of the cable during its movement therein.

2,410,253
OPERATING MECHANISM FOR ELECTRICAL SWITCHES
Arthur M. Trogner, East Stroudsburg, Pa., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application August 2, 1940, Serial No. 350,036
16 Claims. (Cl. 185—40)

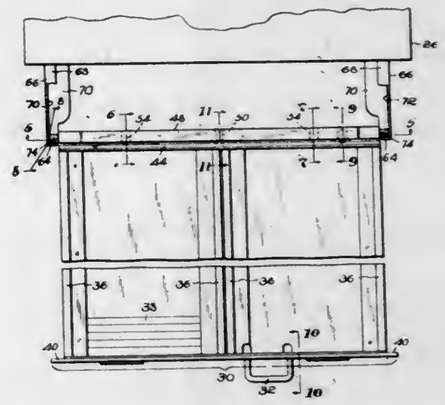


1. In a device of the class described, the combination with a rotatable shaft, of a latch preventing rotation of said shaft in one direction and permitting rotation thereof in the opposite direction, releasable catch means normally preventing rotation of said shaft in said opposite direction and automatically effective after release for stopping said opposite rotation of said shaft a predetermined distance in said opposite direction, and operating mechanism for effecting rotation of said shaft upon release of said catch means.

2,410,254
PROCESS FOR THE PRODUCTION OF VITAMIN D
James Waddell, Metuchen, N. J., and Warren W. Woessner, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 21, 1942, Serial No. 466,497
6 Claims. (Cl. 204—159)

6. In the process for producing vitamin D by antirachitically activating a mixture of sterols, at least thirty per cent by weight of which is provitamin D and at least twenty per cent by weight of which is an inactivatable sterol, thereafter removing the so-produced vitamin D from the mixture and subjecting the so-treated mixture to further antirachitic activation, the step which comprises adding sufficient provitamin D from mussels to said treated mixture to bring it within the aforesaid range before subjecting it to further antirachitic activation.

2,410,255
FILING CABINET
Roy E. Wells, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y., a corporation of Massachusetts
Application October 19, 1944, Serial No. 559,349
11 Claims. (Cl. 40—102)

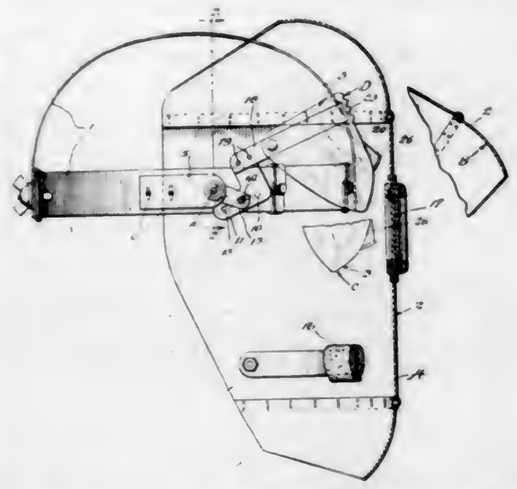


1. In a filing cabinet, the combination of a housing open at the front and having two vertical side walls, a horizontal drawer panel within said housing and between said side walls, a horizontal panel support within said housing and between said walls, a swivel connection between the rear end of said panel and said support and having its axis lengthwise of the lateral edges of said panel, panel and support guiding means supported by said side walls and having provision for projection of said panel and said swivel connection in a horizontal plane beyond the front of said housing, and cooperating means on the rear of said panel and the front of said support normally to prevent turning of said panel about said axis.

2,410,256
WELDERS' HELMET
Marshall N. Anderson and Melvin H. Sellstrom, Chicago, Ill., assignors to Sellstrom Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 26, 1943, Serial No. 496,106
3 Claims. (Cl. 2—8)

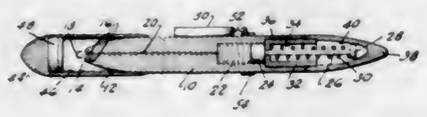
1. A head protector comprising a headband, a face mask pivotally carried thereby and movable from face shielding position to a position above the face, an eye shield pivotally carried by said headband and movable from eye shielding position to a position above the eyes, transmission means between said mask and eye shield whereby motion of the mask to nonshielding position moves the eye shield to shielding position and whereby motion of the mask to shielding position moves the eye shield to nonshielding position, said transmission comprising a first crank arm movable with the face mask and a second crank arm actuated by said first crank arm and movable with the eye shield, and means

for securing said first crank arm in a plurality of different positions of rotary adjustment with



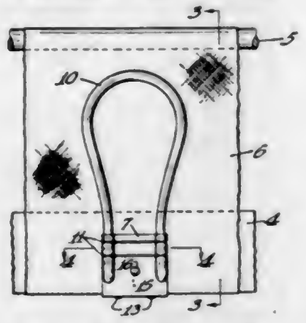
respect to said mask, said crank arms having a sliding pin-and-slot connection with each other.

2,410,257
MECHANISM FOR REMOVING FOREIGN PARTICLES FROM THE EYE
Clara Andrzejewski, Chicago, Ill., assignor to Joseph Belzowski, Robert L. Squire and Frank Z. Roder, Chicago, Ill.
Application December 5, 1945, Serial No. 632,936
8 Claims. (Cl. 128—1)



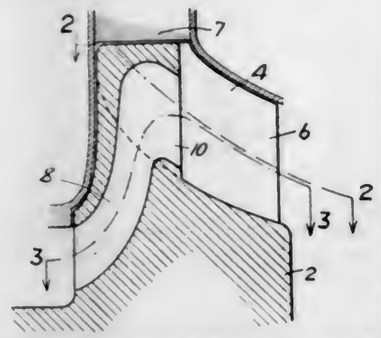
1. In an instrument of the character described, the combination of a barrel having a reservoir therein, a passageway from said reservoir leading to one end of said barrel, a plunger in said reservoir and a flexible U-shaped loop positioned in the end of said barrel having its legs secured upon opposite sides of said passageway.

2,410,258
HANDLE FOR BOX SPRINGS AND THE LIKE
Michael Bechik and William F. Caster, St. Paul, Minn.
Application January 31, 1945, Serial No. 575,488
2 Claims. (Cl. 16—125)



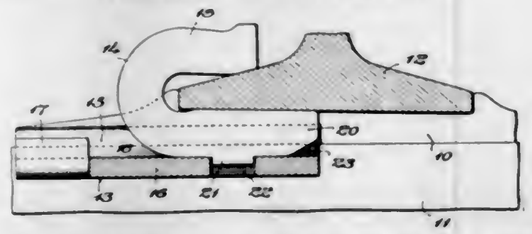
1. In a handle structure for box springs and the like, an attaching plate having relatively rigid angularly disposed flange portions for embracing respective base and wall portions of said box spring, and a looped bundle of flexible material fixedly attached to one of said flange portions to normally extend in the plane thereof adjacent the box spring wall.

2,410,259
ELASTIC FLUID MECHANISM
Rudolph Birmann, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia, a corporation of the United States of America
Application December 13, 1941, Serial No. 422,837
6 Claims. (Cl. 60—43)



1. An elastic fluid mechanism including a rotor mounted for rotation about an axis and provided with turbine passages, means for directing hot driving fluid into the turbine passages, and passages for elastic cooling fluid adjacent to said turbine passages, each of said elastic cooling fluid passages opening, through a nozzle constructed and arranged to expand the cooling fluid and impart to it a high velocity at least of the order of magnitude of the velocity of the driving fluid through the turbine passages, adjacent to the trailing wall of a turbine passage to discharge the cooling fluid at such high velocity along said wall in the direction of flow of driving fluid.

2,410,260
TIE PLATE AND RAIL ANCHOR ASSEMBLY
Edward J. Boland, Freeport, Ill., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application August 23, 1944, Serial No. 550,759
6 Claims. (Cl. 238—315)

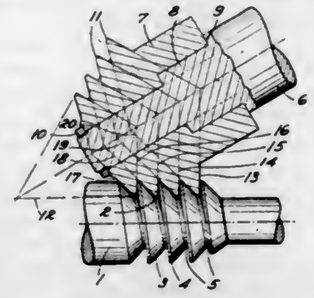


1. A tie plate having a lip extending from a side thereof for disposition at a side of a tie upon which the tie plate is to be seated, said lip being directed first downwardly and then outwardly and then upwardly from the side of the tie plate to provide therein an upwardly opening channel extending longitudinally relative to the tie plate to accommodate the lower portion of a C-shaped rail anchor to hold the rail anchor against sidewise movement relative to the tie plate.

2,410,261
THREAD PRODUCTION
John A. Bradner, Cleveland Heights, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Application April 19, 1943, Serial No. 483,580
5 Claims. (Cl. 90—11.42)

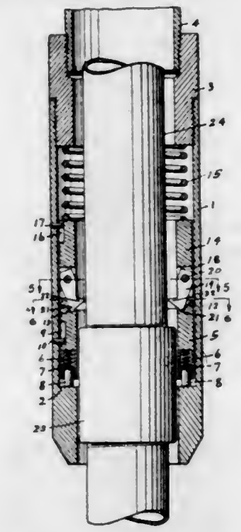
1. The method of cutting threads having helico-radial surfaces which comprises rotating a work piece about its axis, rotating a tool about an axis intersecting the axis of the work piece and

translating the tool and work relatively in the direction of the axis of the latter in synchronism with the rotation of the work, the tool having a



cutting edge arranged oblique to the tool axis and when brought into the plane defined by the tool and work axes being perpendicular to the latter.

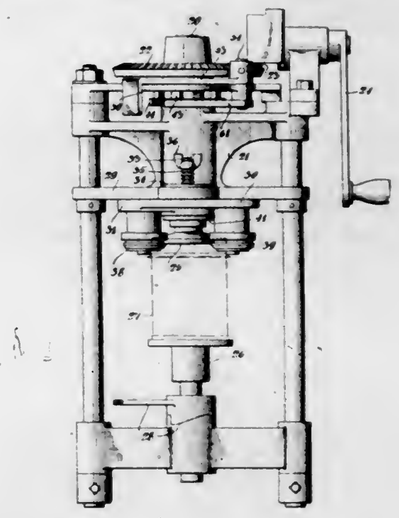
2,410,262
OVERSHOT
Neil T. Breaux, Houston, Tex.
Application August 20, 1945, Serial No. 611,487
8 Claims. (Cl. 294—86)



1. An overshot comprising, a tubular body adapted to telescope over a pipe in a well, an actuator yieldingly mounted in the body but keyed against rotation therein, a tubular carrier in the body, a yieldable seat above the carrier in the body against which the carrier is seated, dogs pivoted to and depending from the carrier, said actuator and dogs having co-operating parts effective to move the dogs inwardly into engagement underneath an external projection on the pipe upon downward movement of the carrier relative to the actuator.

2,410,263
CAN END SEAMING MECHANISM
Julius Brenzinger, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a corporation of New York
Application October 12, 1945, Serial No. 621,930
1 Claim. (Cl. 113—23)

In a seaming-mechanism having a rotatable shaft provided with means to engage and rotate the work-piece to be acted upon, and having a seamer-head provided with a plurality of seaming-rollers, said seamer-head mounted to have a bodily shifting movement to sequentially bring the seaming-rollers thereof into and out of seaming position with respect to said work-piece, and in which seaming-mechanism said bodily shifting movement of said seamer-head is effected by means of an eccentric bushing fixed to a sleeve that is mounted loosely on said shaft: the combination with said rotatable shaft and with said sleeve that is mounted loosely thereon, of a feeding-ratchet and a stop-ratchet, both mounted on, and to turn with, said sleeve, said feeding-ratchet constructed and arranged to be engaged intermittently by a feeding-dog, when the latter occupies its operative position, to turn said feeding-ratchet, and thereby said sleeve, one step constitutes a part of a revolution, and said stop-ratchet constructed and arranged to be engaged at the end of each step of said sleeve by an indexing-pawl, and to be engaged once to each revolution of said sleeve by a latch-pawl; a carrying-member, mounted on and rotatable with said shaft, constructed and arranged to support a pivotally mounted feeding-dog to engage said feeding-ratchet intermittently when the feeding-dog occupies its operative position, and to support a trip-cam to engage said indexing-pawl intermittently; a feeding-dog, pivotally mounted on said carrying-member, having means tending to urge it into operative position to engage said feeding-ratchet, and provided with a cam-roll



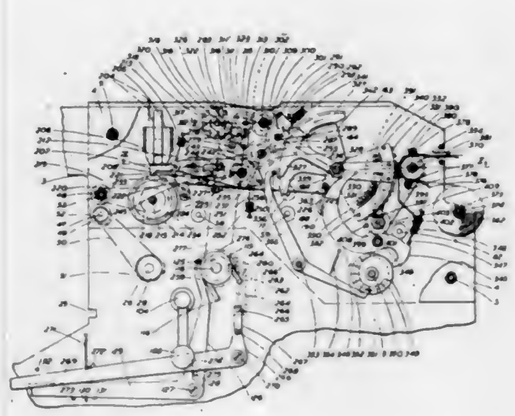
to engage a stationary circular cam to keep said feeding-dog in an inoperative position to prevent it from engaging said feeding-ratchet; a stationary circular cam to be engaged by the cam-roll carried by said feeding-dog that is mounted on said carrying-member to keep said feeding-dog in an inoperative position to prevent it from engagement with said feeding-ratchet, said circular cam having a gap and a manually movable wall-section to close or expose said gap, said gap when exposed releasing said feeding-dog and rendering it operative to engage said feeding-ratchet to advance said sleeve one step once to each revolution of said carrying-member; an indexing-pawl constructed and arranged to engage said stop-ratchet at the end of each step of said sleeve, and to be disengaged, by a trip-cam mounted on said carrying-member, from said stop-ratchet at the time when said feeding-dog engages said feeding-ratchet to turn said sleeve one step; a trip-cam mounted on said carrying-member constructed and arranged to move said indexing-pawl out of engagement with said stop-ratchet once to each revolution of said carrying-member to permit said sleeve to turn one step when said feeding-ratchet is engaged by said feeding-pawl; a manually releasable latch-pawl constructed and arranged to engage, at the end of one revolution of said sleeve after being man-

ually released, said stop-ratchet to latch said sleeve against motion; and connecting means between said latch-pawl and said wall-section of said stationary cam, whereby the engagement of said latch-pawl with said stop-ratchet moves said wall-section to close the gap in said stationary cam and whereby the manual release of said latch-pawl moves said wall-section to expose the gap in said stationary cam.

2,410,264
METHOD OF MAKING STARCH CONVERSION SYRUP
Frank H. Brock and Clifford E. Smith, Decatur, Ill., assignors to A. E. Staley Manufacturing Co., Decatur, Ill., a corporation of Delaware
No Drawing. Application January 28, 1944, Serial No. 520,137
3 Claims. (Cl. 127—40)

1. In the process of manufacturing a starch conversion syrup which consists in subjecting an aqueous starch suspension to hydrolysis to provide a starch conversion liquor having a dextrose equivalent of between 45–55 per cent, the improvement which comprises subjecting said liquor to dialysis against water through a semi-permeable membrane, and recovering a dialyzate having a dextrose equivalent greater than 55 per cent.

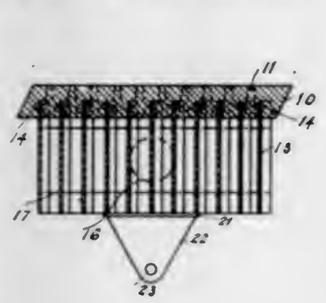
2,410,265
TABULATOR CONTROLLED BY SINGLE-LINE RECORDS
Daniel Broido, Cockfosters, near Barnet, England
Application May 19, 1942, Serial No. 443,653
In Great Britain September 24, 1941
6 Claims. (Cl. 235—61.7)



1. In a statistical machine controlled by records carrying information represented by differentially marked index areas arranged in a single line in denominational groups, a single stationary analysing device, means for feeding the records through the analysing device, a plurality of totalizing elements each associated with one of said groups of index areas, a plurality of counting elements for counting the number of records analysed by said analysing device, driving means for said totalizing and counting elements, a coupling operatively disposed between each of said elements and said driving means, a plurality of coupling actuators controlled by said analysing device, each actuator being associated with one group of said index areas and being controlled to render the respective coupling operative to drive the respective totalizing element when the analysing device is actuated by a mark in an index area of the respective group, locking means working in synchronism with said record feeding means to release each coupling actuator for operation by said analysing device only when the respective denominational group of index areas passes the analysing device, each actuator being operated by said locking means to render the respective coupling inoperative after the last index area of the respective group has passed the analysing device, means operatively associated with one of said actuators to render the coupling of the units counting element operative when this actuator is actuated by the analysing device, and escapement means for limiting the drive of said units counting element to one step at a time.

3. A statistical machine according to claim 1, wherein the said locking means comprise cams driven in synchronism with the record feeding means, each cam being operatively associated with one of said coupling actuators and being shaped so as to render its respective actuator free, if actuated by the analysing device, to render its respective coupling operative at any time during the passage of the index areas of the respective group through the analysing device, to cause the actuator to render the coupling inoperative and thus to stop the respective totalizing element shortly after the last index area of this group has passed the analysing device, and to render the actuator inoperative by the analysing device for the remainder of the operating cycle.

2,410,266
GRATE
Ellis W. Bullock, Birmingham, Ala., assignor to Fly Ash Arrestor Corporation, a corporation of Alabama
Application February 5, 1943, Serial No. 474,795
7 Claims. (Cl. 126—163)



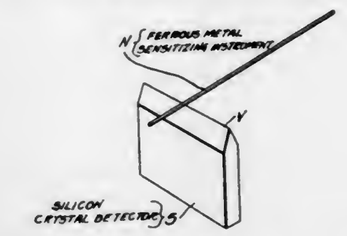
1. A cast iron furnace grate comprising a body portion having a plurality of sheet metal fins spaced throughout their lengths from adjacent fins embedded therein on the under side thereof and extending from end to end of the grate, and supporting trunnions welded on to the fins at the ends of the grates.

2,410,267
CARBOTHERMIC MAGNESIA
Alva C. Byrns, Los Altos, Calif., assignor to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware
No Drawing. Application November 27, 1944, Serial No. 565,423
8 Claims. (Cl. 106—306)

3. A process for the removal of nitrogen from carbothermic magnesia including magnesium nitride as impurity, said magnesia being obtained in the carbothermic process for making magnesium metal wherein nitrogen gas is present and available for reaction with the condensing magnesium, which comprises treating said carbothermic magnesia with water until the magnesium nitride contained therein is substantially completely hydrolyzed to produce ammonia, drying and driving off ammonia, and calcining the so-treated material.

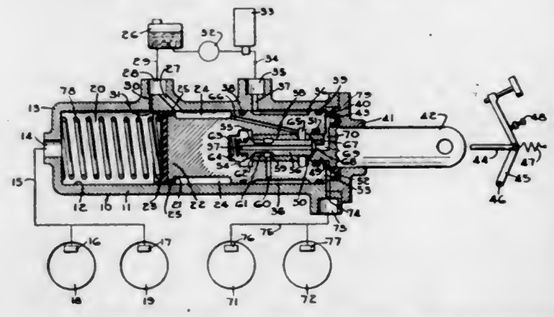
8. As a new composition of matter, carbothermic magnesia, said magnesia having been obtained in the carbothermic process for making magnesium metal wherein nitrogen gas is present and available for reaction with the condensing magnesium to form magnesium nitride, which has been treated to substantially completely hydrolyze the magnesium nitride contained therein to produce ammonia, dried to drive off ammonia, and calcined, said dried and calcined magnesia having a surface-protective coating of saturated fatty acid.

2,410,268
CRYSTAL DETECTOR
Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1942, Serial No. 432,381
12 Claims. (Cl. 250—31)



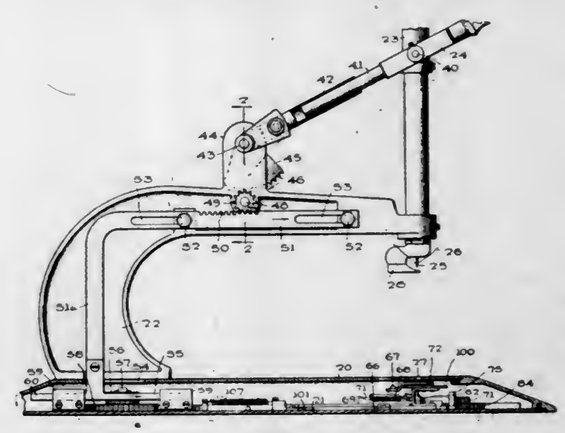
2. Method of increasing the sensitivity of a silicon element to oscillations of radio frequency, said method comprising forming a sub-microscopic ferrous deposit on a surface of said silicon element.

2,410,269
LIQUID PRESSURE SERVOMOTOR DEVICE
Leslie Cyril Choulngs, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application June 9, 1945, Serial No. 598,481
In Great Britain April 28, 1944
3 Claims. (Cl. 60—54.6)



1. A liquid pressure servo-motor comprising a cylinder, a plunger movable in the cylinder and normally urged toward one end thereof and dividing the same into two working spaces one at each end of the cylinder, said plunger having a valve chamber therein, a valve device disposed in the valve chamber, an inlet port having a connection to said valve chamber which is normally closed to the inlet port by said valve device, an exhaust port having a passageway communicating with the working space in one end of the cylinder, a passage communicating said valve chamber with the working space in said one end of the cylinder, said valve device including a valve member constituted to be hydraulically balanced at all times with respect to inlet pressure acting upon it and constructed and arranged to be moved in a direction to open said normally closed connection to said valve chamber to admit inlet pressure thereto and to said one end of the cylinder to move the plunger toward the other end of the cylinder, a thrust member having one end projecting into the working space in said one end of the cylinder and movable axially relative to the plunger and constructed and arranged to engage said valve member to move the same to open the valve chamber to inlet pressure and to close said exhaust port passageway to cut off communication between said one end of the cylinder and said exhaust port, said thrust member and plunger constructed and arranged to have areas exposed to the working space in said one end of the cylinder in such relationship that the total pressure acting on the effective area of the thrust member tending to move it in one direction is only a fraction of but proportional to the total pressure acting on the effective area of the plunger tending to move it in the opposite direction toward said other end of the cylinder, said plunger comprising a piston integral therewith and arranged to put liquid under pressure in the working space in said other end of the cylinder, the plunger being formed with a circumferential groove providing an annular chamber having a permanent connection with the exhaust port, and means for bypassing fluid from the annular chamber to the working space in said other end of the cylinder during movement of the piston to said one end of the cylinder, said annular chamber serving as a liquid supply chamber for maintaining the working space in said other end of the cylinder fully charged with liquid during movement of the plunger toward the aforesaid one end of the cylinder.

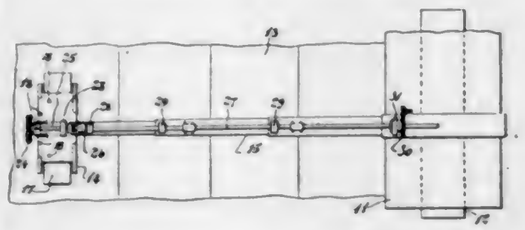
2,410,270
THREAD MARKER MECHANISM
Robert L. Dashew, Baltimore, Md.; Ruth L. Dashew administratrix of said Robert L. Dashew, deceased
Application April 13, 1944, Serial No. 530,888
17 Claims. (Cl. 112—2)



1. In a thread marking machine, a cloth supporting surface, a thread carrying needle normally positioned above said surface, means for depressing said needle to carry said thread to a point below said surface, means below said surface for engaging and retaining a loop of said thread below said surface as the needle returns to its normal position and withdraws the ends

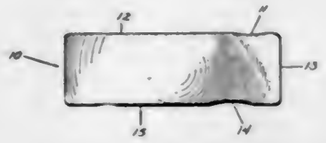
of said loop above said surface, and means for forming a knot in said looped portion of the thread while the ends of the loop are located above said surface.

2,410,271
VARIABLE TREAD VEHICLE
Trevor O. Davidson, Milwaukee, Wis., and Lawrence B. Schauer, Los Angeles, Calif., assignors to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application February 1, 1945, Serial No. 575,660
6 Claims. (Cl. 180—9.1)



1. In a variable tread vehicle, the combination of: a main frame; a traction support therefor; an outrigger frame; a traction support therefor; means for driving the main traction; a telescoping beam connecting the two frames, the beam's means of connection to the outrigger frame comprising: a substantially vertical pivot offset from the center-line of the traction support of the outrigger frame; and a series of selective locking means spaced radially from the vertical pivot and spaced from each other angularly with respect to the pivot as a center, whereby the outrigger frame may be locked in various selective angular relations with respect to the beam, to permit the outrigger frame to be steered by unlocking the outrigger frame, then driving the main frame, and then locking the outrigger frame in its new angular position, the outrigger frame thus locked in new angular position serving to expand or contract the telescoping beam as the vehicle progresses.

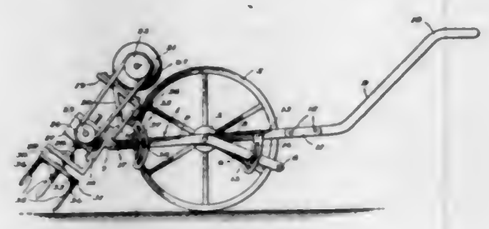
2,410,272
POCKET READING GLASS
George V. de Lery, New York, N. Y.
Application April 5, 1944, Serial No. 529,878
4 Claims. (Cl. 88—39)



1. A rectangular reading glass of the character described having a finger notch on each of the long sides adjacent one short side, said glass being double convex with like opposed curvatures, the faces being convex both longitudinally and transversely.

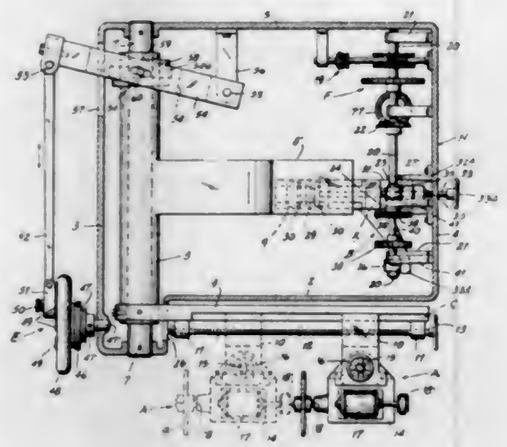
2,410,273
POWER-DRIVEN ROTARY GARDEN CULTIVATOR
George Otto Deubner, Lafayette, Calif.
Application May 22, 1944, Serial No. 536,775
2 Claims. (Cl. 97—43)

1. A cultivator comprising a main frame, a wheel rotatably mounted in said frame intermediate its ends and having an axle carried by the frame, bars pivoted to the axle and extending rearwardly at opposite sides of the wheel, a handle carried by said bars and extending rearwardly therefrom, members pivoted to said bars and extending downwardly across the rear portion of the frame at opposite sides thereof and formed with arcuate slots, bolts carried by side portions of the frame and passing through the



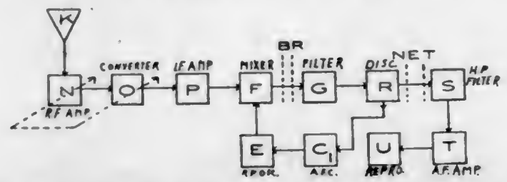
slots to hold the handle in a set position after vertical angular adjustment thereof, an auxiliary frame tiltably mounted on the forward end of said frame, a motor mounted on said auxiliary frame, and digging mechanism driven by said motor carried by said auxiliary frame at the lower end thereof for operating upon the ground in advance of the frame as the cultivator is intermittently moved rearwardly and swung up and down with the wheel serving as a fulcrum by an operator holding the handle.

2,410,274
MACHINE FOR SHARPENING CIRCULAR SAWS, MILLING-CUTTERS, AND THE LIKE
Claud E. Drake, Brentwood, Mo.
Application August 2, 1943, Serial No. 496,995
6 Claims. (Cl. 76—40)



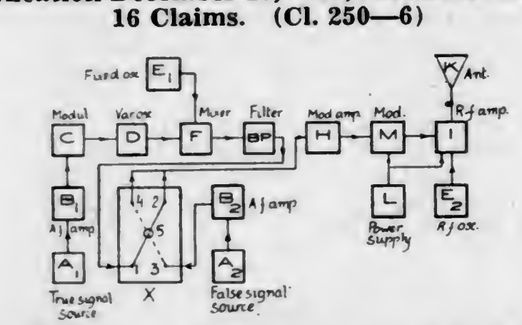
5. A machine for sharpening saws comprising an arbor for supporting the saw to be sharpened, an arm-like frame pivoted for rocking movement about an axis parallel to and spaced from the arbor, grinding means shiftably mounted on the frame for movement toward and away from the axis thereof, driving means for rotating the arbor, a cam operably connected to the frame and driven in timed relation to the driving means whereby to generatively grind a saw tooth having a predetermined contour depending upon the shape of the cam, and means for reciprocating the grinder longitudinally with respect to said axis during its tooth generating movement.

2,410,275
SIGNALING BY SUBMODULATION
Stanley D. Eilenberger, Kenosha, Wis., assignor, by mesne assignments, of sixty-five percent to S. E. Steen, Kenosha, Wis., seventeen and one-half percent to L. G. Voorhees, Macedonia, Ohio, and seventeen and one-half percent to Howard W. Taft, Balboa Heights, C. Z.
Application December 13, 1941, Serial No. 422,915
22 Claims. (Cl. 250—6)



22. The method of signaling, which comprises the steps of frequency modulating at a modulation index smaller than unity, a high frequency carrier with a signal containing the intelligence to be transmitted, transmitting said frequency modulated high frequency carrier to a receiving point, beating the received frequency modulated carrier to produce a frequency modulated beat frequency, the mean frequency of which shall be lower than the lowest signal frequency, to act as an audio frequency frequency-modulated subcarrier, and demodulating said audio frequency frequency-modulated subcarrier to recover the original signal.

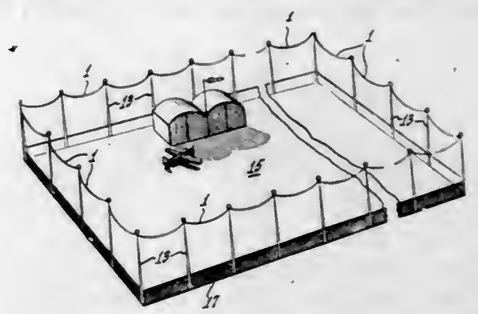
2,410,276
SECRET COMMUNICATION SYSTEM
Stanley D. Eilenberger, Kenosha, Wis., assignor, by mesne assignments, of sixty-five percent to S. E. Steen, Kenosha, Wis., seventeen and one-half percent to L. G. Voorhees, Macedonia, Ohio, and seventeen and one-half percent to Howard W. Taft, Balboa Heights, C. Z.
Application December 17, 1941, Serial No. 423,384
16 Claims. (Cl. 250—6)



1. The method of secret communication, which comprises the steps of producing an ultra-sonic carrier wave, frequency modulating said ultra-sonic carrier by a true signal containing the intelligence to be transmitted to an authorized receiver at a modulation index smaller than unity, producing a signal containing any arbitrary intelligence, and alternately amplitude modulating a high frequency carrier wave by the frequency modulated ultra-sonic carrier wave and by the false signal containing any arbitrary intelligence at an ultra-sonic rate of alternation.

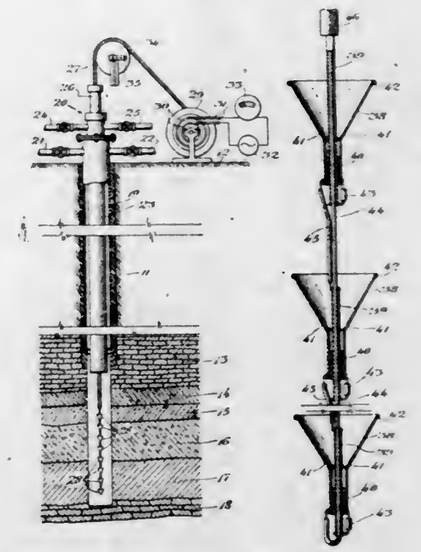
2,410,277
LUMINOUS MARKER FOR AIRPORTS
Emil M. Farris, Wayne, Pa.
Application February 7, 1945, Serial No. 576,537
5 Claims. (Cl. 250—71)

1. The combination with an airport skirted by a plurality of towers of a flexible marker connected between said towers, said marker comprising a flexible core constituting a first part, a transparent, flexible sheathing surrounding said



core and constituting a second part, and a luminescent material carried by one of said parts and visible through said sheathing.

2,410,278
WATER LOCATING SYSTEM
Riley Floyd Farris and Joseph B. Clark, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application October 30, 1941, Serial No. 417,184
19 Claims. (Cl. 175—182)

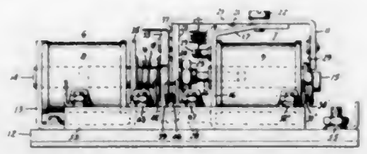


12. A method of locating a zone of ingress of conducting fluid to a well producing both conducting and nonconducting fluids comprising the steps of conditioning said well to remove conducting liquid therefrom, thereafter permitting fluids to enter said well, entrapping for an appreciable period of time a portion of said fluids within at least one constricted zone, accumulating conducting fluids in a lower portion of said zone and producing a change in a signal when the amount of said accumulated conducting fluid exceeds a predetermined minimum quantity.

2,410,279
ELECTROMAGNETIC RELAY DEVICE
John A. Favre, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application March 22, 1943, Serial No. 480,024
9 Claims. (Cl. 175—337)

1. An electromagnetic device comprising a hinged armature and a plunger armature, each

armature having a blocking and a blocked position, means for mechanically interlocking said armatures to prevent movement of either armature from its blocked position to its blocking position when the other armature is in its block-



ing position, means for moving an armature from its blocking position to its blocked position, and means for moving an armature from its blocked position to its blocking position when the other armature is moved to its blocked position.

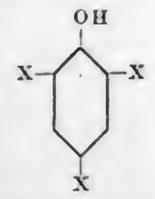
2,410,280
TRACTOR COUPLING DEVICE
Rector C. Fergason, La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 2, 1942, Serial No. 449,407
12 Claims. (Cl. 280—33.44)



10. A device for detachably coupling a trailing element to a tractor or the like, comprising a draft member for the tractor, a draft member for the trailing element, one of said draft members being provided with an aperture, the other of said draft members being provided with a coupling element passing through the aperture in said first draft member to effect coupling of said draft elements, said coupling element being of greater overall front to rear dimension than said aperture and including a portion constituting a normal draft transmitting medium between the coupled parts, and a second portion extending from said first portion in either a forward or rearward direction therefrom, said extending portion providing an abutment cooperatively engageable at one forward or rearward side thereof with the adjacent edge portion of the wall of said aperture to prevent accidental uncoupling of said draft elements during the application of both pulling and backing force to said trailing element and engageable at the opposite forward or rearward side with the adjacent edge portion of the wall of said aperture to prevent complete insertion of said coupling element to normal draft transmitting position in said aperture without accompanying fore or aft relative movement between said draft elements after partial reception of said coupling element within said aperture.

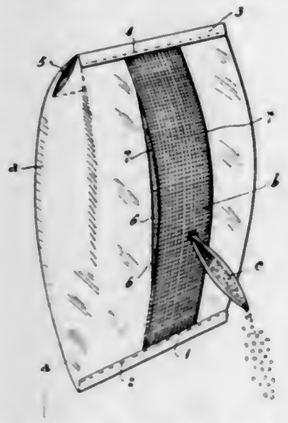
2,410,281
PARASITICIDAL COMPOSITIONS
Fred W. Fletcher and Eugene E. Kenaga, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 25, 1943, Serial No. 477,136
6 Claims. (Cl. 167—31)

1. An ovicidal composition for application to living trees including a dormant spray oil and as an active toxicant a compound having the formula



wherein one X represents a nitro radical, another X represents chlorine, and the third X is selected from the group consisting of chlorine, alkyl, cyclohexyl, and hydrogen.

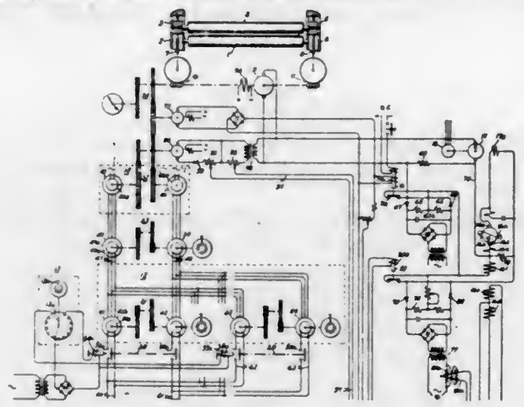
2,410,282
PAPER BAG HAVING A BURLAP SAMPLING ZONE
Pedro Amadeo Frixione, Buenos Aires, Argentina
Application December 7, 1944, Serial No. 567,018
4 Claims. (Cl. 229—55)



4. In combination with a bag having walls made of laminations of paper and provided along its top and bottom edges with reinforcements, a strip of burlap extending on the outside of the bag from the reinforcement at the top edge to the reinforcement at the bottom edge, said strip being secured with its ends to said two reinforcements respectively and having its longitudinal edges secured to the paper wall of the bag, a longitudinal plaiting being provided in said strip between the edges thereof so that the central zone of the strip rests loosely without tension on the paper wall of the bag.

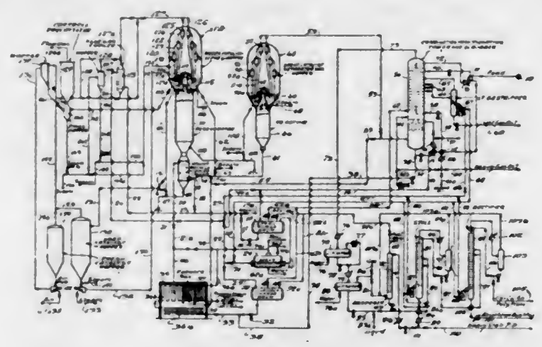
2,410,283
SCREW-DOWN CONTROL SYSTEM
Donald E. Garr, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 24, 1945, Serial No. 589,972
14 Claims. (Cl. 80—56)

14. A control system for a mill having a pair of rolls and a movable supporting means for one of the rolls comprising a motor for driving the supporting means to vary the pass opening between the rolls, means for controlling the supply of voltage to said motor comprising electric valve apparatus provided with a control grid, a pass opening selector device, means responsive to positional disagreement of said selector device and supporting means for supplying a control voltage to said grid to cause said motor to drive said supporting means toward correspondence with said selector device, a nonlinear resistance device included in circuit with said grid to provide a narrow dead zone, stabilizing means for controlling said valve means to prevent said supporting means from overshooting said position of correspondence, and means for rendering said stabilizing means ineffective for one direction of ro-



tation to permit overshooting said position of correspondence so that said supporting means is always moved in the same direction to rest in said position of correspondence.

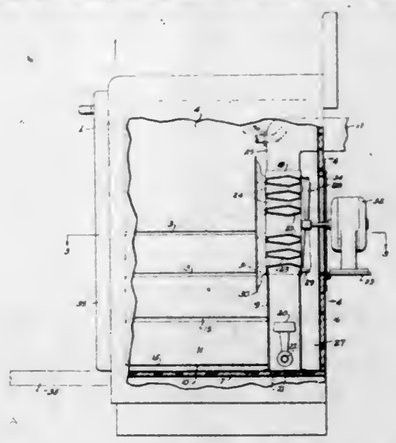
2,410,284
CATALYTIC CRACKING SYSTEM
Robert C. Gunness, Chicago, Ill., and Joseph W. Jewell, Summit, N. J., assignors of one-half to Standard Oil Company, a corporation of Indiana, and one-half to The M. W. Kellogg Company, a corporation of Delaware
Application April 24, 1941, Serial No. 390,204
6 Claims. (Cl. 196—52)



3. A fluid-type catalytic cracking system which comprises a gas oil surge drum, a regeneration system containing a heat exchanger, a fractionation system containing a heat exchanger, a steam generation system, means for passing gas oil from said surge drum to the heat exchanger in the regeneration system, means for passing hot gas oil from the regeneration system heat exchanger to the fractionation system heat exchanger, means for passing gas oil from said regeneration system heat exchanger to said steam generator, and means for passing gas oil from said fractionation system heat exchanger and steam generator respectively back to said gas oil surge drum.

2,410,285
GAS RANGE OVEN
George Herbster, Cleveland, Ohio, assignor to John H. Leonard, Cleveland, Ohio, as trustee
Application April 18, 1941, Serial No. 389,214
8 Claims. (Cl. 126—39)

6. In combination, a domestic cooking range oven having a door, a heating means, a blower means operable for recirculating air through the oven and into heat exchanging relationship to said heating means, and means operable to admit air inside the oven to the inlet side of the blower and means closely adjacent the inlet side of the

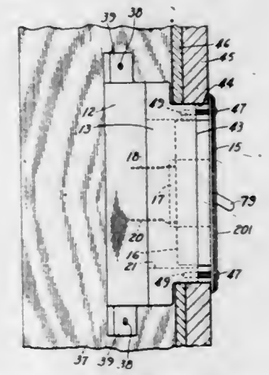


blower and operable selectively to admit and block passage of air from outside the oven to the inlet side of the blower.

2,410,286
GLASS HAVING LOW-POWER FACTOR
Harrison P. Hood, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application November 12, 1943, Serial No. 510,033
6 Claims. (Cl. 106—54)

1. The method of reducing the power factor of a borosilicate glass consisting of about 70% SiO_2, 26% to 27.5% B_2O_3, 2.5% to 4% alkali metal oxide and fluorine, which includes the step of introducing the boron content of the glass as crystalline boric oxide.

2,410,287
ELECTRICAL EQUIPMENT
Howard A. Jaberg, Cincinnati, Ohio
Application December 15, 1943, Serial No. 514,329
6 Claims. (Cl. 174—53)



1. In a device of the class described, the combination of a dielectric base block adapted for fixation relative to a support, fixed electrical contact means on the dielectric base block including means for attachment of electric conductors thereto, cover means for said base block, and electricity control means associated with said cover means, including conductor members to abut the fixed contact means of the base block, a deep open frame member of dielectric material detachably fixed to the base block and including peripheral walls forming a well through which the contact means of the base block are exposed, an elongated apertured plug on the back of the cover means surrounding the electricity control means,

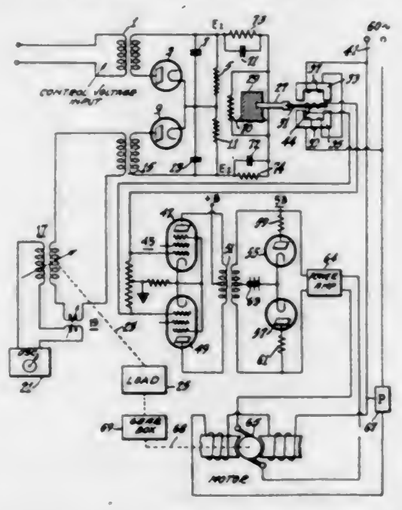
said plug being telescopically engageable with the well for guiding said conductor members of the control means into electricity conducting contact with the fixed contact means of the base block, as the cover means is applied, said telescopic engagement serving to seal off arcs and flame originating in the device, and being of sufficient range to maintain the seal at various degrees of spacing between the base block and the cover means occasioned by varying thicknesses of an interposed wall material.

2,410,288
INSTRUMENT BALANCE WEIGHT
Paul S. Johnson, Wakefield, and Joseph W. Dodds, Lynnfield, Mass., assignors to General Electric Company, a corporation of New York
Application July 29, 1944, Serial No. 547,252
5 Claims. (Cl. 116—136.5)



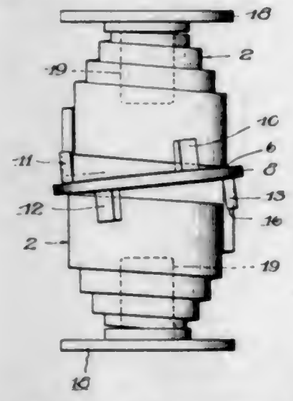
1. A weight for instrument crossarms and the like, comprising a double helix made of spring wire formed by first winding the wire on a round arbor to form a closely wound first helix, and winding the first helix on a round arbor of approximately the same diameter as the first arbor to form the double helix.

2,410,289
ELECTRICAL SERVO SYSTEM
Edward W. Kellogg, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application December 17, 1943, Serial No. 514,705
7 Claims. (Cl. 172—239)



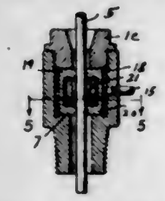
1. A servo system for controlling the position of a mechanical load device in accordance with a variable magnitude control voltage, including means for producing an auxiliary voltage bearing a predetermined magnitude relationship to the position of said load device, piezoelectric crystal means connected to respond by physical distortion to the difference between said control voltage and said auxiliary voltage, means providing balanced magnetic fields, magnetic armature means coupled to said crystal and supported thereby normally in neutral relationship to said balanced fields, a pick-up winding surrounding said armature, amplifier means connected to said pick-up winding, and an electric motor connected to said amplifier and coupled to said load device.

2,410,290
SPRING ASSEMBLY
Harold C. Keysor, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 2, 1943, Serial No. 497,031
24 Claims. (Cl. 267—62)



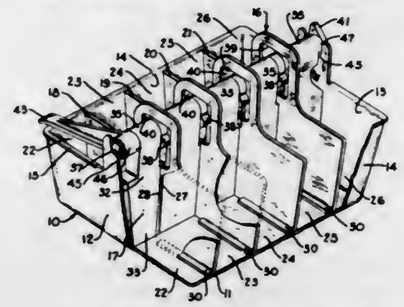
1. In a volute spring assembly, spaced volute springs each being formed of a flat bar comprising a plurality of telescoping coils, the portion of said bar forming the largest and outermost coil being of substantially uniform width and being of at least equal pitch to that of the other coils thereof, said springs being arranged with their large ends adjacent each other and their small ends remote from each other, and an equalizer between said springs and affording seats therefor, the adjacent end of the bar forming one of said springs being disposed at one side of said equalizer and the corresponding end of the bar forming the other of said springs being disposed at the opposite side of said equalizer, whereby said equalizer is disposed in a plane diagonal with respect to the axis of said assembly and said equalizer moves to a plane perpendicular with respect to said axis as load is applied to said assembly, and positioning means comprising a plurality of spaced lugs on said equalizer cooperating with each of said springs, certain of said lugs affording seats for the adjacent ends of respective bars to prevent relative turning movement between said springs and said equalizer.

2,410,291
STUFFING BOX
Robert B. Kinzbach, Houston, Tex.
Application January 10, 1944, Serial No. 517,739
2 Claims. (Cl. 286—38)



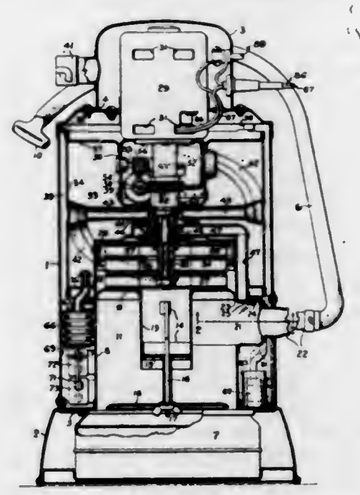
1. A stuffing box comprising, a housing having a rod passageway and an internal chamber, a rod sealing assembly in the chamber including an internal rigid cage having upper and lower rod-bearings and also having an internal chamber, sealing means filling both chambers and forming a seal around the rod through the stuffing box, the ends of the cage sealing said rod passageway, around the rod, at the top and bottom of the housing chamber, said assembly being laterally movable, with the rod in the housing.

2,410,292
REFRIGERATION
William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application February 26, 1938, Serial No. 192,723
12 Claims. (Cl. 62—108.5)



1. A removable grid for forming ice cubes in an ice tray including a partition and a plurality of transverse plates movable with respect to said partition, said transverse plates having cam engaging surfaces lying in successively higher planes, a cam associated with each of said cam surfaces, and means operable to bring said cams into engagement with said cam surfaces for moving said transverse plates with respect to said partition.

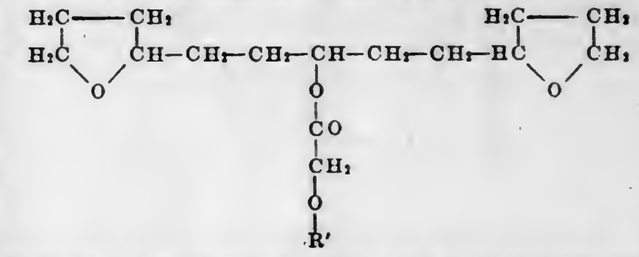
2,410,293
SUCTION CLEANER
William H. Kitto, Greentown, Ohio, assignor to The Hoover Company, North Canton, Ohio
Application August 7, 1943, Serial No. 497,753
8 Claims. (Cl. 183—57)



1. In a suction cleaner of the type having a main cleaning nozzle, an initial dirt separator connected to said nozzle, suction-creating means to draw dirt-laden air through said nozzle into said initial separator and nearly clean air therefrom, a relatively high speed motor to drive said suction-creating means, and a final dirt separator of the type in which the back pressure increases with the accumulation of dirt and into which air from said suction-creating means passes; a movable separator cleaning suction nozzle to remove foreign material from said final separator, permanent means connecting said separator cleaning nozzle to a point of low pressure in said initial separator and providing an air conduit therebetween at all times, a relatively slow speed driving motor to actuate said separator cleaning nozzle, and means to energize said slow speed motor upon a predetermined increase in the resistance to the flow of air through said final separator in the operation of the cleaner and with dirt-laden air entering said initial separator.

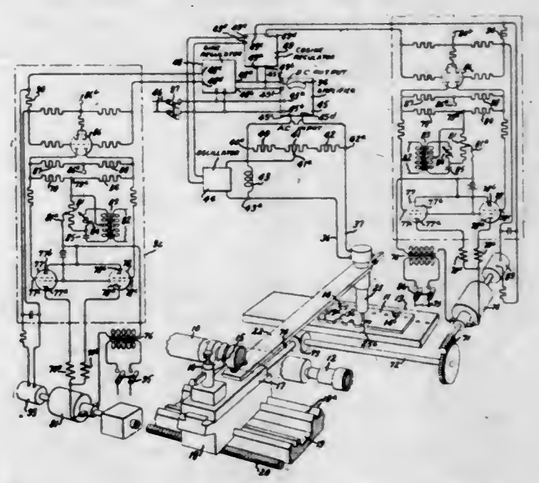
2,410,294
SOFTENING AGENT
Ernst Korten, Frankfort-on-the-Main-Fechenheim, Germany; vested in the Alien Property Custodian
No Drawing. Application February 6, 1941, Serial No. 377,711. In Germany February 8, 1940
3 Claims. (Cl. 260—345)

3. Softening agents of the general formula



wherein, R′ is selected from the group consisting of alkyl and aryl.

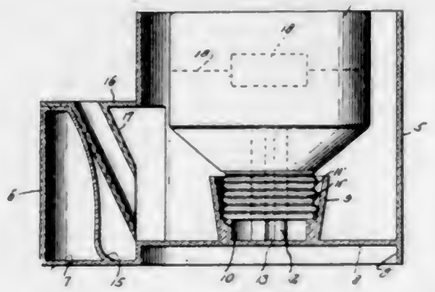
2,410,295
AUTOMATIC PATTERN CONTROLLED MACHINE TOOL
Hans P. Kuehni and Norman G. Branson, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application January 19, 1943, Serial No. 472,840
8 Claims. (Cl. 172—239)



1. A control system comprising in combination, a movable element having an initial position, a pair of members, a separate driving means for each of said members and means responsive to a continuously increasing displacement of said element from said initial position for producing a linearly varying voltage, means for deriving from said voltage two inversely varying control voltages, means responsive to one of said inversely varying voltages for energizing one of said driving means to effect a component of rela-

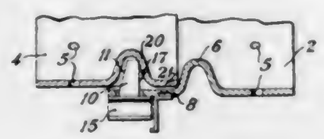
tive movement of said members with a velocity that varies continuously from a maximum value in one direction to a maximum value in the reverse direction and means responsive to the other of said inversely varying voltages for energizing the other of said driving means to effect an angularly displaced component of relative movement of said members with a velocity that varies continuously from a minimum value to a maximum value and from said maximum value to a minimum value.

2,410,296
INK FOUNTAIN
George Arthur MacDonald, Los Angeles, Calif.
Application July 5, 1944, Serial No. 543,548
2 Claims. (Cl. 120—59)



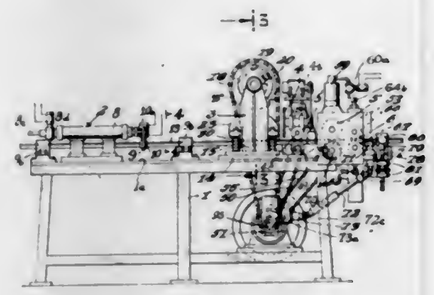
1. An ink fountain comprising a container having a bottom, a downwardly tapering cup on said bottom for receiving the neck of an inverted ink bottle therein, a shoulder in said cup above said bottom forming a seat for said neck spacing the neck above the bottom of the container, and an outlet port in one side of said cup between the bottom of the container and said shoulder for establishing the level of ink in the container.

2,410,297
COUPLING COMBINATION
Elroy F. Mahlberg, Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 17, 1943, Serial No. 498,918
5 Claims. (Cl. 285—174)



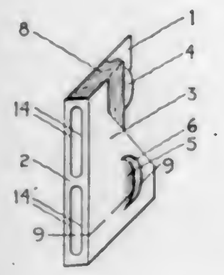
1. In a coupling device comprising a pair of tubular rings, one of said rings being an inner ring, a circumferential keeper channel in the inner ring and a tubular cylindrical spacing portion extending from the channel to the edge of said ring the wall of said inner ring being of uniform thickness throughout, an outer tubular ring formed with a cylindrical portion at one end for sliding over the inner ring, latches on the outer ring equally spaced from the outer edge thereof, said latches projecting inwardly from the inner surface of the ring and extending through openings in the ring, an inwardly extending circumferential rib on the outer ring spaced from said latches so as to provide a stop having sliding engagement with the outer end of the inner ring when the latches are seated in said channel and springs secured on said keeper latches and on the outer ring to retain the latches in seated position.

2,410,298
METALWORKING MACHINE
Arthur G. Mirel, New York, N. Y., assignor to Structural Planeparts, Inc., New York, N. Y., a corporation of New York
Application December 26, 1942, Serial No. 470,133
35 Claims. (Cl. 153—2)



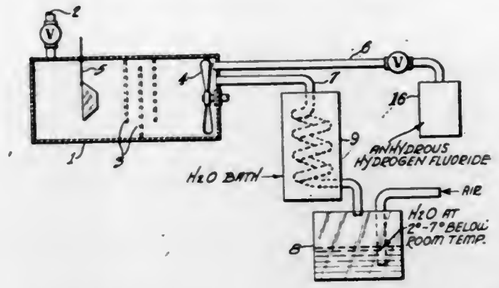
1. A machine of the class described comprising in combination, means for feeding angle bar stock in predetermined increments, a press for working upon said stock, adjustably positioned upper and lower cooperating joggling dies in said press, means for reciprocating the press to joggle the stock between said dies, means operative when the press is raised to elevate the stock to permit the joggled portion of the stock to pass by the lower die, means for cutting the press-worked portion of stock into lengths equal to the fed increments, means for advancing said lengths, and electrically controlled means including a switch for effectuating the operation of said feeding-advancing means and said cutting means sequentially.

2,410,299
SCREW OR THREADED ROD MOUNTING
Gilbert Murtagh, Port Washington, N. Y.
Application August 3, 1943, Serial No. 497,176
2 Claims. (Cl. 72—105)



1. A screw fastening unit comprising a metallic channel-shaped body having two side faces and a front face, one side face having its front edge offset from a plane perpendicular to the other side face and passing through the front edge of the second side face, the front face connecting the two front edges of the side faces to form said channel body, said front face being slotted, providing grip edges which are parallel to the front edges and are offset in the same sense as the front edges for engaging the opposite sides of the core of a screw inserted therebetween, said side faces having ears struck therefrom and projecting rearwardly into the space between the side faces, and a filler member confined in the channel body between the front face, the side faces and the ears for engaging and holding a screw.

2,410,300
NONREFLECTIVE FILM
Frederick H. Nicoll, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 21, 1943, Serial No. 495,612
3 Claims. (Cl. 41—42)



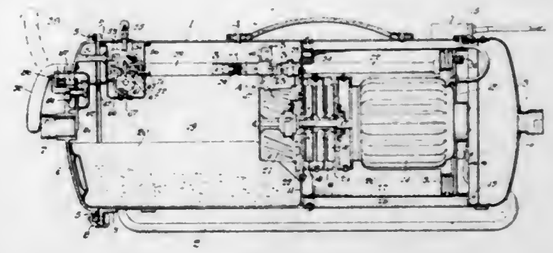
1. In an apparatus for producing a reflective element having a low reflection surface comprising a layer altered by the action of a vapor emanated from an acid solution, the combination of a treating chamber, means for supporting said element within said chamber, means for introducing acid vapor into said chamber at a temperature above the liquifying temperature of said acid, air supply means, means for saturating the supplied air with water at a temperature below said acid liquifying temperature, means for raising the temperature of said water saturated air to a temperature above said acid liquifying temperature and introducing it into said chamber, and means for producing a homogenous distribution of said acid vapor and water saturated air throughout said chamber.

2,410,301
MANUFACTURE OF COPPER PHTHALOCYANINE DYESTUFFS
Grady M. O'Neal, Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 15, 1943, Serial No. 502,506
24 Claims. (Cl. 260—314.5)

1. The method of making a copper phthalocyanine dyestuff which comprises reacting together at a temperature in the range from 135° to 300° C. and in proportions sufficient to produce copper phthalocyanine, biuret, an ortho compound having the formula: $R(COONH_4)_2$, minus xH_2O, minus yNH_3, and a copper-yielding compound, in the presence of a catalyst for the reaction, said formula being such that x is an integer varying from 0 through 3, y is an integer varying from 0 through 2, both while $x+y$ is not more than 3, and R is a benzene nucleus selected from the group consisting of the unsubstituted benzene nucleus and substituted benzene nuclei.

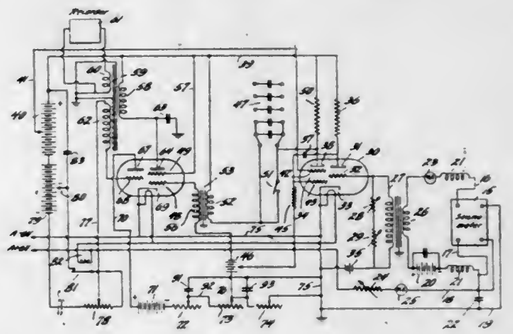
2,410,302
SUCTION CLEANER
Carl O. Penn, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 11, 1943, Serial No. 509,875
9 Claims. (Cl. 183—57)

1. In a suction cleaner, suction-creating means, a dirt separator, a dirt receptacle, a casing enclosing said parts and including a removable cover the removal of which gives access to said dirt receptacle, latching means retaining said cover in place on said casing, a program release mechanism positioning said latching means, means to actuate said mechanism to position said latching means to release said cover including a



manually operable handle, and means to clean said dirt separator concomitantly with the operation of said mechanism and actuated by said handle.

2,410,303
SEISMIC SURVEYING
Olive S. Petty, San Antonio, Tex.
Continuation of application Serial No. 290,928, August 18, 1939. This application May 27, 1943, Serial No. 488,764
4 Claims. (Cl. 177—352)

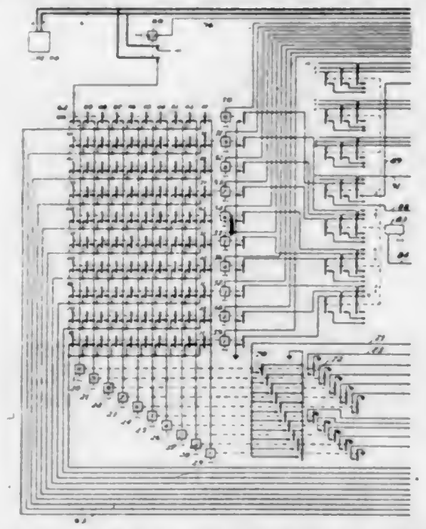


4. In apparatus for use in seismic surveying, the combination with a seismometer for converting incoming seismic energy into electrical waveform signals, and means for amplifying and recording such signals, of means operable in response to increase in signal energy above a predetermined ampliutde for decreasing the gain of said amplifying means, said last named means including a device for initiating operation of said means to decrease the gain, said device affording filtering action favoring the higher frequencies within the usable range, whereby the gain at all frequencies is decreased in greater degree by signals of large amplitude and predominantly high frequency than by signals of comparable amplitude and predominantly low frequency.

2,410,304
AUTOMATIC TELEPHONE SYSTEM
Winfred T. Powell, Rochester, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application March 20, 1944, Serial No. 527,298
5 Claims. (Cl. 179—18)

1. In a telephone system, a plurality of telephone lines, primary relays and secondary relays common to said telephone lines and less in number than the numbers of said lines, means responsive to the extension of a call over a certain telephone line for operating in combination a given primary relay and a given secondary relay, said combination being individual to said certain telephone line, and finder switching

means controlled by the operation of said given primary relay and by the operation of said given

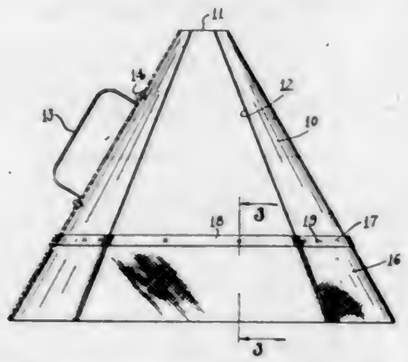


secondary relay for seizing said certain telephone line.

2,410,305
POLYMERIZED ESTERS OF CARBOXYLIC ACIDS AND PREPARATION OF SAME
Henry J. Richter and Henry S. Rothrock, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 13, 1940, Serial No. 323,722
10 Claims. (Cl. 260—78)

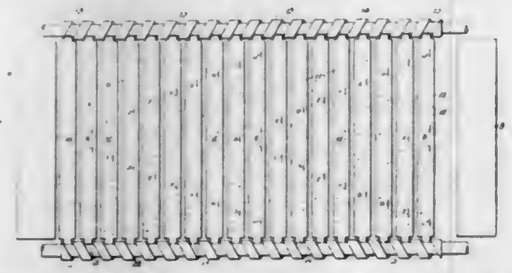
7. A resinous composition of matter comprising a polymer of an ester of an organic acid from the group consisting of carbonic acid and orthocarboxylic acids in which ester at least two acid groups of the organic acid are esterified with a monohydric unsaturated alcohol containing at least three carbon atoms and having an aliphatically unsaturated carbon-to-carbon linkage in the alpha, beta position with respect to the carbinol carbon atom therein.

2,410,306
WELDING SHIELD OR THE LIKE
Raymond A. Romberg, Orange, Conn.
Application October 18, 1944, Serial No. 559,145
1 Claim. (Cl. 189—2)



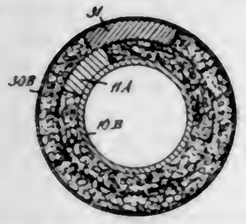
A portable welding shield comprising a hood having a rigid one-piece body portion of substantially frusto-conical form with openings at the top and bottom, said top opening being of circular shape and of relatively small diameter to closely embrace a pipe or like object, there being an opening in the wall of the body portion communicating with said top and bottom openings, the width of said opening being progressively greater from top to bottom of the shield, a flexible skirt secured to and projecting downwardly from the lower edge of the body portion, and a handle secured to the rigid body portion whereby the shield may be held by the operator during use.

2,410,307
APPARATUS FOR CONVERTING TOW TO TOP
Joseph B. Rumsey, Westwood, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 18, 1943, Serial No. 479,551
3 Claims. (Cl. 19—1)



1. An apparatus for directly converting tow to top while maintaining the substantial parallelism of the fibers and the continuity of the tow and sliver, which comprises a gill drafting frame having a plurality of gill bars, each of said gill bars being provided with a plurality of gill pins, a plurality of knife holders removably disposed on said gill pins in accordance with a predetermined pattern, and a knife positioned in and carried by each of said knife holders.

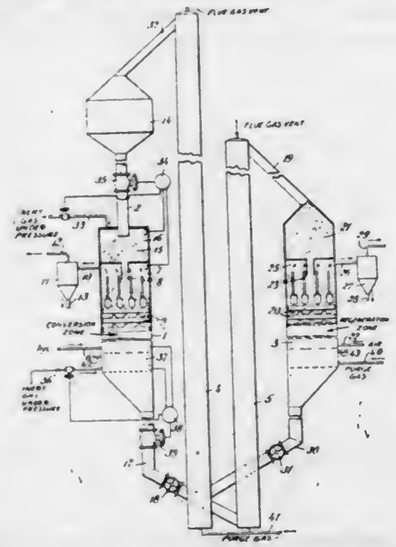
2,410,308
SELF-INSULATED CONDUIT
Clemens G. Scharwath, Long Branch, N. J.
Application September 11, 1943, Serial No. 501,931
2 Claims. (Cl. 138—64)



2. A self-insulated conduit comprising an inner conduit adapted to conduct a fluid, staggered lugs projecting outwardly therefrom, an outer shell, lugs projecting inwardly therefrom onto the lugs projecting from the inner conduit, and insulation between the inner conduit and the outer shell.

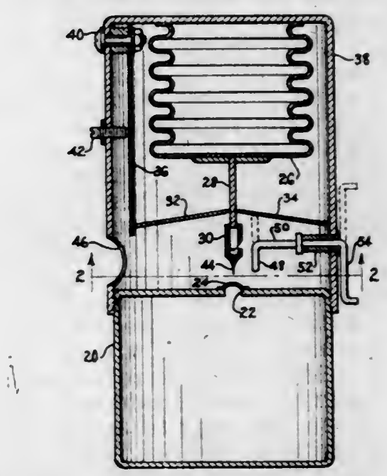
2,410,309
CONTINUOUS CATALYTIC SYSTEM
Thomas P. Simpson, John W. Payne, and John A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 1, 1942, Serial No. 441,316
18 Claims. (Cl. 196—52)

1. In a process of continuously catalytically cracking heavier petroleum hydrocarbons in the presence of particle-form solid catalyst material wherein the catalyst is moved downwardly through a conversion zone operating under pressure as a substantially compact column of particles and vapors of said heavier hydrocarbons are passed under cracking conditions through said column of catalyst and wherein active catalyst particles are introduced to said zone near the top thereof and spent particles are withdrawn near the bottom thereof so as to maintain a column of active catalyst while preventing the escape of a substantial amount of gaseous hydrocarbons through the catalyst-introducing and catalyst-withdrawing systems, the improvement which comprises establishing a compact upwardly extending stream of catalyst particles above said column of catalyst which forms a continuous body of catalyst with said column and which is long enough to have a substantially greater resistance to the flow of gas therethrough than through said column of catalyst and maintaining said stream of catalyst at sufficient height that the head of catalyst created thereby is greater than the pressure in said conversion zone so that catalyst feeds by gravity from the catalyst stream to said column of catalyst without passing through any vapor-sealing catalyst valve, and withdrawing spent catalyst from said column of catalyst in the form of a downwardly extending compact elongated stream of catalyst which is of such length and restricted cross-sectional area as to prevent substantial leakage of gaseous hydrocarbons therethrough without the use of a vapor-sealing catalyst valve.



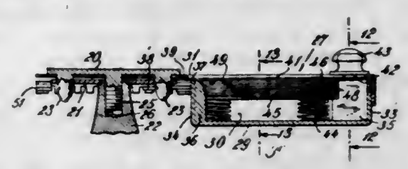
2. A continuous catalytic apparatus for converting hydrocarbons in gaseous form in the presence of solid catalyst particles which comprises a conversion chamber adapted to hold a substantially compact column of catalyst particles and having baffling structure disposed therein which is constructed so as to assist flow of gases upwardly through such a column of catalyst, said chamber also being provided at one end with a hydrocarbon charge stock inlet and at the opposite end with a converted product outlet and also with an inlet for catalyst in solid particle form at its upper end and an outlet for such catalyst at its lower end, said charge stock inlet and outlet being in free vapor communication with said baffling structure, a catalyst feed leg of less cross section than said chamber extending above said chamber and connected to said catalyst inlet for delivery of catalyst thereto by gravity, said catalyst feed leg being of sufficient height that a greater head of catalyst may be created therein than the operating pressure in said chamber, a catalyst withdrawal leg connected to said catalyst outlet and extending below said chamber for withdrawal of spent catalyst by gravity, said catalyst withdrawal leg being of less cross section than said chamber and terminating in the lower end of a spent catalyst elevator, flow throttling means associated with the lower section of said catalyst withdrawal leg, a catalyst regeneration chamber provided at its lower end with an air inlet and with a regenerated catalyst outlet and also provided at its upper end with a flue gas outlet and with a spent catalyst inlet, means to pass spent catalyst from the upper portion of said spent catalyst elevator to said spent catalyst inlet in said regeneration chamber, means to pass regenerated catalyst from said regenerated catalyst outlet to the lower portion of a regenerated catalyst elevator, and means to pass regenerated catalyst from the upper portion of said regenerated catalyst elevator to said catalyst feed leg of said conversion chamber.

2,410,310
REFRIGERATING APPARATUS
Jasper A. Smith, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 14, 1944, Serial No. 558,722
1 Claim. (Cl. 116—103)



A self-powered warning device for frozen food storage comprising a container containing a pleasant tasting and smelling odiferous fluid and a non-toxic volatile propellent normally a gas at atmospheric pressure maintained in liquid form therein under pressure, means responsive to a predetermined high temperature below 32° F. for releasing the fluid and propellent from the container whereby the existence of an abnormal temperature in the food storage device is indicated.

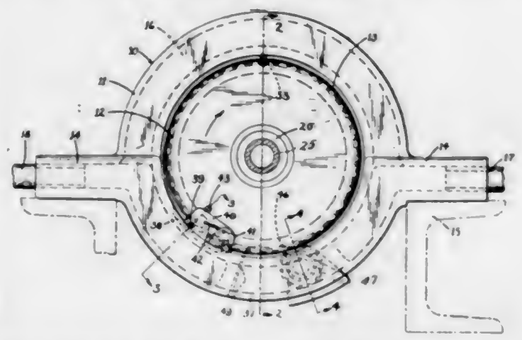
2,410,311
SAFETY RAZOR AND BLADE MAGAZINE THEREFOR
Warner Steinbach, Maplewood, N. J.
Application January 4, 1945, Serial No. 571,260
3 Claims. (Cl. 30—40)



1. A magazine for holding a stack of blades each having an open-ended longitudinal slot and having a blade discharge passage between its top and forward wall, means at the discharge end of the magazine for mounting it on the guard

plate of a safety razor, a projection forming part of a lock extending from the magazine at its discharge end, and means for discharging blades one by one.

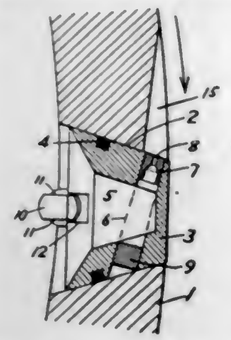
2,410,312
MOLDING APPARATUS
Harold A. Storch, Fairview Village, Ohio
Application July 15, 1944, Serial No. 545,114
5 Claims. (Cl. 18—9)



1. In apparatus for molding from plastic material elongated articles of revolution of the kind having a body which includes stem and shoulder portions, a ring member having a circumferential groove therein, a drum member rotatable in said ring member and also having a circumferential groove therein, the grooves of said ring and drum members cooperating to define a circumferentially extending mold chamber having a cross-sectional shape which is elongated transversely of the groove and corresponds substantially with the profile of the article to be produced, and said grooves having connected coextending portions of different depths spaced transversely of the grooves for forming the stem and shoulder portions of the articles means for rotating said drum member for rolling a body of said material in said chamber to shape the body to article form, said ring member having a feed opening disposed laterally of its groove and extending in the direction of the axis of the drum and communicating with said chamber at one point thereof for introducing said material in strip form and said ring also having a discharge opening communicating with said chamber at another point thereof for the delivery of the molded articles, a cutter pivotally mounted on said ring member for strip-cutting movement transversely of said feed opening, means on said drum member and engageable with said cutter for producing said strip-cutting movement, and a trimming means rotatably mounted on said ring member adjacent said discharge opening and having a cutting portion engaging said drum member for trimming the molded articles as they approach the discharge opening.

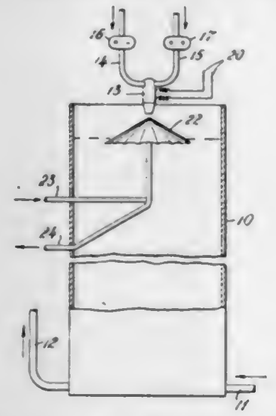
2,410,313
CENTRIFUGAL SEPARATING BOWL
George J. Strezynski, Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application April 19, 1944, Serial No. 531,789
11 Claims. (Cl. 233—47)

1. A centrifugal bowl the shell of which has an opening therethrough the upper wall of which slopes downward in an outward direction and affording a seat for a nozzle body, a nozzle body of a shape complementary to that of the hole and having a closed outer wall which, when positioned in the hole, is substantially flush with the outer wall of the bowl shell, the side wall of said body having through its outer part a discharge orifice extending in a direction approximating parallelism with a line tangential to the outer wall of the bowl shell, the latter being recessed adjacent to



said discharge to allow free and unobstructed escape of material ejected therethrough when the bowl is rotated in a direction opposite to the direction of discharge through said orifice.

2,410,314
APPARATUS FOR PREPARING FORMED GELS
Elbert O. Sowerwine, Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 20, 1943, Serial No. 487,714
3 Claims. (Cl. 252—359)

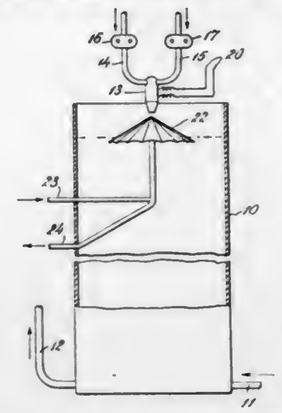


3. In an apparatus for forming and dividing a stream of a gelable sol into a plurality of smaller streams, a mixing nozzle comprising wall means defining a vertical longitudinal chamber open at the lower end, means to admit fluids to the upper end of said chamber and electrical heating means to heat said wall means, and in combination with said nozzle a divider comprising means defining a conical surface with its apex below the open lower end of said chamber, said conical surface being coated with a layer of ice.

2,410,315
APPARATUS FOR PREPARING FORMED GELS
Elbert O. Sowerwine, Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 20, 1943, Serial No. 487,715
2 Claims. (Cl. 252—359)

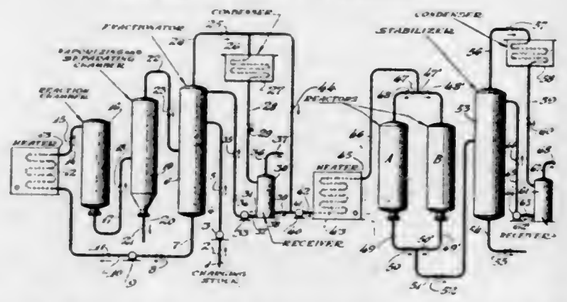
2. In a device for dividing a stream of a gelable sol into a plurality of smaller streams, a divider of generally conical shape, means to maintain said divider in position with the apex thereof directed upwardly, the outer surface of said divider having a plurality of grooves extending

down the surface thereof from about the apex, said grooves being coated with a layer of ice, means to conduct a heat transfer fluid in indirect



heat exchange relationship with said surface, and means to discharge a stream of gelable sol onto the apex of said divider.

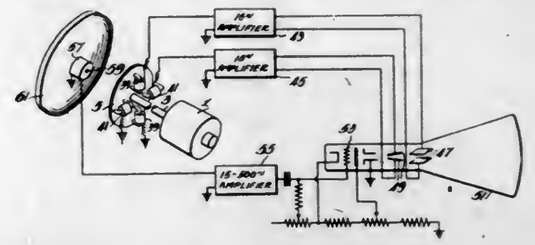
2,410,316
PRODUCTION OF MOTOR FUEL
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 11, 1941, Serial No. 406,286
6 Claims. (Cl. 196—52)



1. A process for the production of a high octane motor fuel which comprises subjecting a hydrocarbon oil boiling above the range of gasoline to thermal cracking at a temperature within the approximate limits of 900 to 975° F. and a pressure within the approximate limits of 15 to 150 pounds per square inch gage, fractionating the products to separate a gasoline and intermediate conversion products and subjecting said gasoline to the action of an olefin isomerizing catalyst at an isomerizing temperature within the approximate limits of 800 to 1100° F. and a pressure of from substantially atmospheric to mildly superatmospheric and for a time of contact such that cracking liquid volume loss is maintained below 5% and olefin isomerization is the principal reaction, and separating from the products of said olefin isomerizing step the reformed gasoline as a product of the process.

2,410,317
HEAT RESPONSIVE DEVICE
William A. Tolson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 1, 1943, Serial No. 485,315
9 Claims. (Cl. 178—6.8)

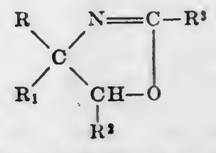
1. A heat responsive device including means for establishing an image of a scene including heat radiating objects, means for scanning said image whereby said image is subdivided into elements, a heat detector for converting said applied image elements into electric currents, and an indicator including elements responsive to scanning voltages and elements responsive to applied currents, said current responsive elements being connected



to said heat detector for indicating said electric currents and said elements responsive to scanning voltages being energized in synchronism with the operation of said scanning means thereby to form a visible image of said scene.

2,410,318
PROCESS FOR THE PRODUCTION OF ACYLATED AMINO HYDROXY COMPOUNDS BY THE ACTION OF ACID ANHYDRIDES ON 2-OXAZOLINES
Philip F. Tryon, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application April 12, 1943, Serial No. 482,761
5 Claims. (Cl. 260—561)

1. A method for the production of O-acylated amides which comprises reacting a fatty acid anhydride with an oxazoline of the following formula:



where R is selected from the group consisting of hydrogen, phenyl, alkyl, and acyloxyalkyl; R^1 is selected from the group consisting of alkyl and acyloxyalkyl; R^2 is hydrogen; and R^3 is alkyl, and then treating the resultant mixture with water.

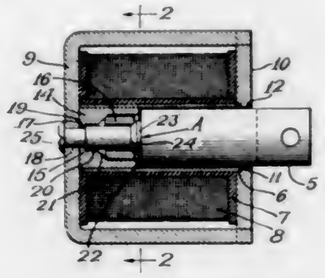
2,410,319
METHOD OF PRODUCING NITRO-CELLULOSE
Henry Von Kohorn, New York, N. Y.
No Drawing. Application May 22, 1941, Serial No. 394,619
5 Claims. (Cl. 260—222)

1. Process for the manufacture of nitro-cellulose having a high and stable nitrogen content, which comprises dissolving cellulose or cellulose containing materials according to the viscose method and then precipitating the said viscose in a bath containing by weight approximately two thirds sulphuric acid and one fifth nitric acid, the balance being water.

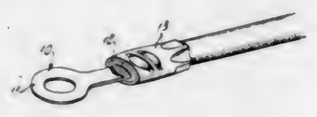
2,410,320
SHADED POLE CONSTRUCTION FOR SOLENOIDS
Henry G. Wasserlein, Park Ridge, Ill., assignor to Phillips Control Corporation, Chicago, Ill., a corporation of Illinois
Application June 28, 1945, Serial No. 602,095
5 Claims. (Cl. 175—338)

1. In a solenoid a frame, a plunger, a guide sleeve for said plunger and a plunger stop secured

to the frame comprising a shell having a seat therein, a core having a shoulder engaging said seat, the shell having an enlarged bore, with a tapered wall adjacent the shoulder, the core having a head thereon with a tapered surface opposite the tapered wall, and a shading ring wedged between said tapered surface and said tapered wall.



2,410,321
ELECTRICAL CONNECTOR
William S. Watts, Detroit, Mich., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J., a corporation of New Jersey
Application December 14, 1943, Serial No. 514,216
4 Claims. (Cl. 173—269)

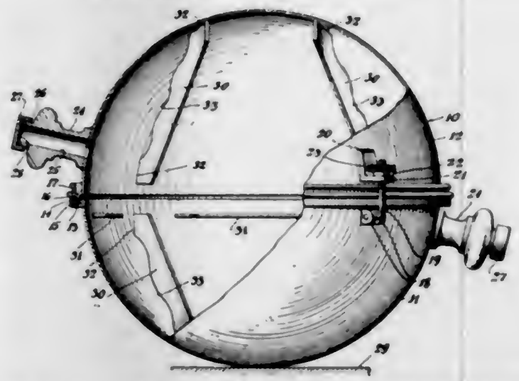


1. An electrical connector of the type intended to be crimped onto a wire and including a soft metal ferrule and a normally rigid tube of tough and stiffly-flexible insulating plastic tightly embracing said ferrule and covering the outer surface thereof, said tube having a resistance to cold plastic flow not significantly less than that of the metal of said ferrule, whereby said tube can transmit sufficient crimping pressure to the ferrule from a crimping tool to crimp the ferrule against a conductor by plastic flow in the metal thereof without cracking the tube or otherwise interfering with its mechanical and electrical effectiveness.

2,410,322
TREATMENT OF MANGANESE STEEL
Carl W. Weesner, Warren, Ohio, and Wallace B. Leffingwell, Sharon, Pa., assignors to Sharon Steel Corporation, Sharon, Pa., a corporation of Pennsylvania
No Drawing. Application September 28, 1943, Serial No. 504,146
7 Claims. (Cl. 134—3)

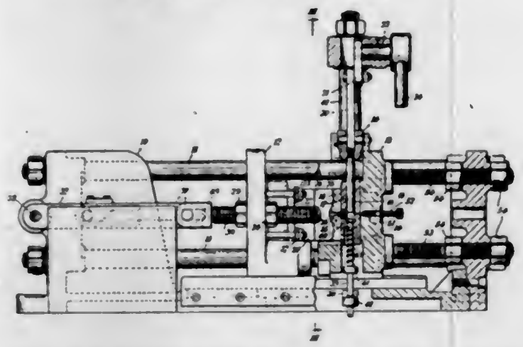
1. The method of removing brittle decarburized surface metal layers from austenitized, high manganese, high carbon strip steel, including the steps of treating the strip in a dilute aqueous solution of up to 5% nitric acid by weight in water maintained at a temperature of from 180° to 210° F. for from 1 to 5 minutes, then treating the strip in a dilute aqueous solution of an alkali metal hydroxide of about 10% by weight in water maintained at a temperature of from 160° to 180° F. for from 15 to 45 seconds, and then treating the strip in a dilute aqueous solution of about 2% hydrochloric acid by weight in water maintained at a temperature of 140° to 180° F. for a few seconds.

2,410,323
CLOTHES CLEANING DEVICE
Katharine Wellman, New York, N. Y., assignor to Bacwell Enterprises Incorporated, New York, N. Y., a corporation of New York
Application March 14, 1945, Serial No. 582,753
3 Claims. (Cl. 68—213)



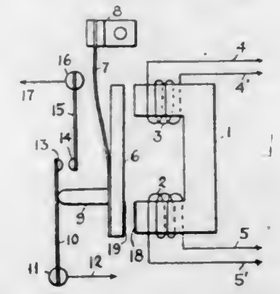
1. A manually operable clothes cleaning device comprising a substantially spherical clothes-and-cleaning liquid tumbling container formed of two substantially hemispherical sections detachably secured together in a liquid-tight manner in the vicinity of a medial plane, each of said sections having a relatively smooth curvilinear outer surface to permit ready manual rocking thereof on a relatively flat supporting base surface about any of a plurality of angularly related axes, and a pair of substantially diametrically opposed outwardly projecting hand grasps with one secured to one of said sections and the other secured to the other section relatively close to the medial plane leaving the major portions of the outer surfaces of said sections free for rocking contact.

2,410,324
MACHINE FOR MOLDING THERMOSETTING MATERIALS
Reginald Henry Windsor and Emeric Gaspar, London, England; said Gaspar assignor to said Windsor
Application February 7, 1945, Serial No. 576,656
In Great Britain December 8, 1943
8 Claims. (Cl. 18—30)



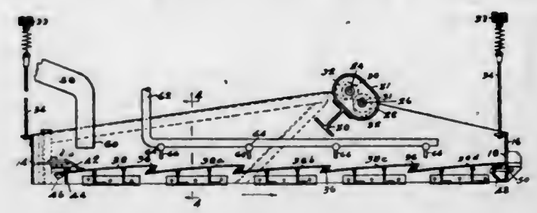
6. In a machine for molding thermosetting materials, the combination comprising stationary tie bars, an adjustable stationary platen affixed to said tie bars, a movable platen slidably mounted on said tie bars, means for removably securing a mold to each of said platens, whereby either a set of molds for end sprue molding or a set of molds for split center sprue molding may be mounted on said platens, means for moving said movable platen in relation to said fixed platen to open and close the molds, a cylinder block carried by said stationary platen, and having a bore extending transversely of the direction of movement of said movable platen and a passage transversely of said bore establishing communication between said bore and the mold cavity of one of the end sprue molds, a reciprocable injection plunger in registry with said bore and operable in a fixed path transverse to the direction of movement of the movable platen, and means for adjusting the stationary platen on said tie bars from a position in which said plunger operates at one end of the mold cavity defined by one set of molds for end sprue molding, to a position in which said plunger operates in the parting plane of the molds of the other set for split center sprue molding.

2,410,325
DELAYED ACTION RELAY
Michel N. Yardeny, New York, N. Y.
Original application September 20, 1940, Serial No. 357,660. Divided and this application September 11, 1943, Serial No. 502,055
2 Claims. (Cl. 175—372)



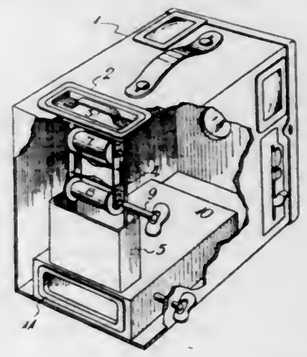
1. A delayed action relay comprising a stationary member and a movable member, one of the members being arranged to be energized for causing mutual attraction between the members while one of the members is energized, a portion of each member being arranged to contact a corresponding portion of the other member in response to one of the members being energized, and a layer of an adhesive viscous substance applied to one of the contacting portions for retarding separation of the movable member from the stationary member in response to deenergizing the energized member.

2,410,326
COMBINED VIBRATORY SCRUBBER, STRATIFIER, AND SCREEN FOR MINERALS
William L. Zeigler, Wallace, and Claude Y. Garber, Kellogg, Idaho, assignors to The Sink & Float Corporation, New York, N. Y., a corporation
Application November 12, 1943, Serial No. 509,982
3 Claims. (Cl. 209—44)



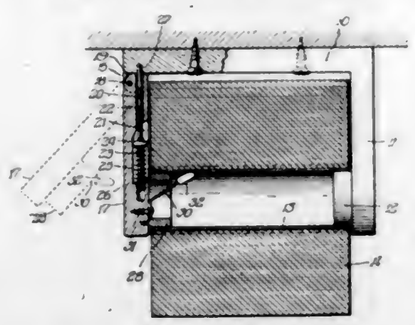
1. A vibratory separator, comprising: a serrated deck formed of inclined plates having risers between adjacent plates, each said plate being perforate adjacent its apex and imperforate adjacent the root, said plates being characterized by being smooth from the root across the imperforate and perforate portions to the apex, and means for vibrating said deck longitudinally thereof, whereby particle bearing fluid has the particles therein scrubbed and stratified and portions thereof intermittently decanted for the removal of a portion of the fluid and of particles of a size to pass through said screen.

2,410,327
MINIATURE CAMERA
Clifton V. Berry, West Haven, Conn.
Application March 24, 1943, Serial No. 480,291
5 Claims. (Cl. 95—13)



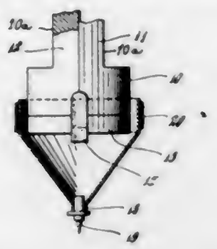
1. In a camera, a box formed with an opening through the rear portion of its top wall, a removable cover for said opening having a depending flange fitting tightly in the opening, strips extending downwardly from said cover, upper and lower pintles carried by said strips for rotatably mounting film-spools between the strips, the pintles of one strip being rotatably mounted, a key rotatably mounted through a side wall of the box and engageable with the lower one of the rotatable pintles for rotating the lower spool to wind film thereon from the upper spool, a handle, rods extending downwardly from ends of said handle through said cover and of appreciably greater length than said strips, a cup-shaped shield rigidly secured to lower ends of said rods and disposed about the lower portions of the rods and located below said strips when the handle is disposed against the cover, said shield when shifted upwardly by a pull upon the handle being disposed about the strips in enclosing relation to the strips and spools of film between the strips and having its upper end overlapped by the flange and tightly gripped thereby to provide a tight closure for the open upper end of the shield and prevent entrance of light into the shield when the cover is removed from the box and the shield drawn outwardly through the opening, a developing tank in said box mounted upon the bottom of the box and having an open rear end exposed through the rear wall of the box, a removable closure for closing the rear end of the tank, the open rear end of the tank being of dimensions adapting the shield to be thrust into the tank through the open rear end thereof and the cover fitted tightly into the rear end of the tank and the handle forced towards the cover to shift the shield to its extended position beyond the free ends of the strips and expose the film to action of developing fluid in the tank, and a key mounted through the said side wall of the box for engaging the upper pintle and rotating the upper spool to rewind film upon the upper spool and move the film through developing fluid in the tank.

2,410,328
TOILET ROLL DISPENSER
Edward Agamaite, Jr., Green Bay, Wis., assignor to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application April 9, 1945, Serial No. 587,323
4 Claims. (Cl. 242—55.2)



1. A roll supporting fixture comprising a base, an arm fixed to the base, said fixed arm carrying a roll support member, a swinging arm pivoted to the base and carrying a second roll support member, and a latch pin carried by the swinging arm and adapted to engage the base to latch the arm in supporting position, the latch pin having an actuating member, said member being normally covered by a roll supported by the fixture.

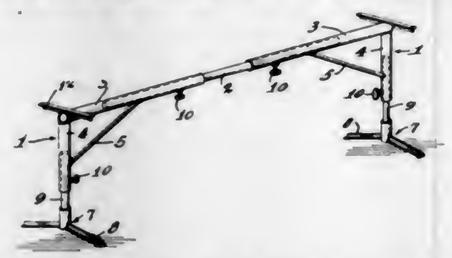
2,410,329
ELECTRICAL APPARATUS
Robert B. Albright, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 8, 1944, Serial No. 553,155
7 Claims. (Cl. 179—100.41)



1. In a phonograph pickup for varying the tuning of a resonant circuit, in combination a coil, a stylus, means for transmitting movement of said stylus to said coil, and a core within said coil, said core being formed partly of a high permeability magnetic material and partly of a high conductivity non-magnetic material, whereby movement of said coil with respect to said core will vary the inductance of said coil linearly about a normal value and the resonant frequency of the tuned circuit which may embody said coil will be accordingly varied.

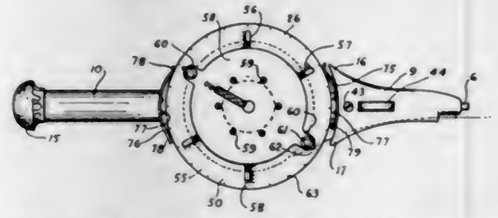
2,410,330
SCAFFOLD HORSE
William Ashenfelter, Swanton, Ohio
Application February 6, 1946, Serial No. 645,874
5 Claims. (Cl. 304—6)

1. A scaffold horse comprising a pair of frame members each having a long arm and a short arm rigidly connected together in right angular form and reversible in use so that either the long or the short arms of the frames may be horizontally disposed with the other arm vertically disposed to provide a supporting leg, and means for rigidly connecting either the long or short arms



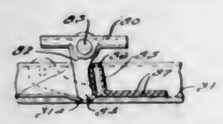
together in longitudinally aligned horizontal position.

2,410,331
FISHING ROD AND REEL
Ovila J. Aubertin, Matachewan, Ontario, Canada
Application January 27, 1945, Serial No. 574,874
5 Claims. (Cl. 43—20)



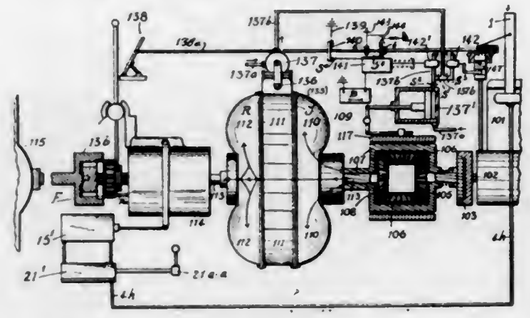
1. For a fishing rod and reel, a reel-carrying handle part consisting of front and rear hand grips and an intermediate offset reel nest, a reel rotatable in said offset nest, arcuate leaf springs on the confronting ends of said hand grips engaging the periphery of said reel and a relatively wide channel passage through the underside of the front hand grip, leading to said reel; the lower end of the leaf spring on the front hand grip being shorter and with a sharper bend.

2,410,332
VEHICLE BODY
Albert P. Ball, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application July 17, 1939, Serial No. 284,855. Divided and this application August 2, 1943, Serial No. 496,983
3 Claims. (Cl. 296—137)



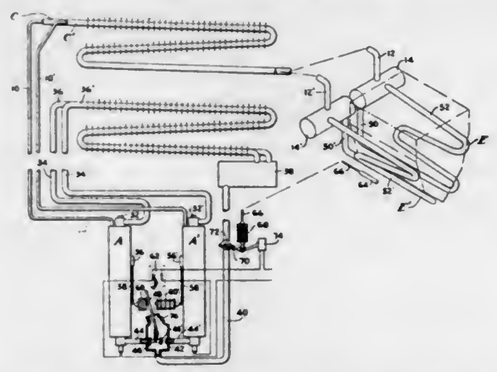
1. In a vehicle body, a fixed roof panel having a skylight opening, a drain panel extending beneath and spaced from said roof panel, transversely spaced longitudinal guides carried by said drain panel, a sliding panel movable longitudinally into and out of position to close said opening and having guide devices adjacent opposite side edges thereof engaging said guides for guiding said sliding panel, a pair of swinging members hinged to the trailing edge portion of said sliding panel adjacent opposite corners thereof and depending from the underside thereof, a pair of fixed stops extending upwardly from said drain panel into the path of said members, said swinging members movable automatically into position at the end of the closing movement of the sliding panel to engage said stops and by continued closing movement adapted to be swung in a direction opposite to the direction of closing movement of the sliding panel thereby to impart an upward movement to the trailing edge of the latter and effect sealing engagement thereof with the adjacent edge of said skylight opening.

2,410,333
HYDRAULIC MECHANISM
Jean A. H. Barkeij, Altadena, Calif.
Application April 29, 1940, Serial No. 332,522
35 Claims. (Cl. 74—189.5)



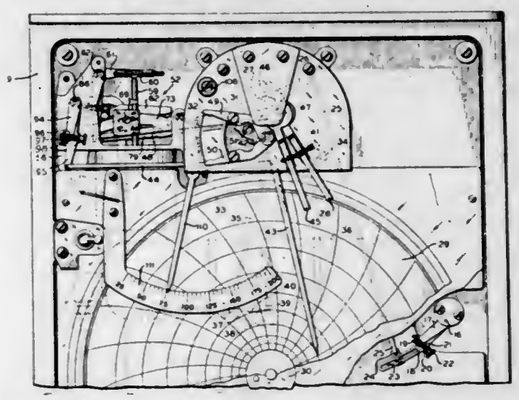
2. A prime mover, having an accelerator connected to a differential mechanism, including a housing, a fluid drive including an impeller and runner, one gear of said mechanism connected to the engine, and another gear thereof connected to the runner of the fluid drive, said gears geared to gears rotatably arranged on a differential housing, connected to the impeller of said fluid drive, said runner connected to a gearbox, a freewheel behind said gearbox, a brake operable on said differential housing to stop said housing and to effect operation of said freewheel, said brake being power operated and controlled by the accelerator of said prime mover.

2,410,334
REFRIGERATION
George A. Brace, Washington, D. C., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 21, 1941, Serial No. 419,815
13 Claims. (Cl. 62—5)



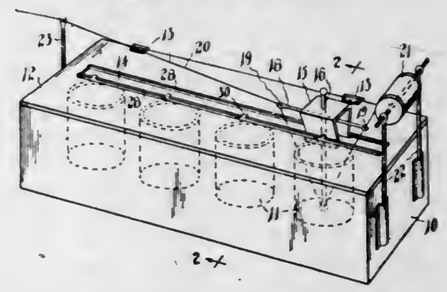
1. An absorption refrigerating apparatus comprising, a cabinet, two intermittently operating absorption refrigerating units assembled with said cabinet; each unit comprising a generator-absorber, a condenser and an evaporator connected by conduits to form a closed system; said evaporators being positioned on the interior of said cabinet; and an open combined ice freezer, temperature and humidity stabilizing water tank in thermal contact with the evaporator of one of said units; said tank being of large capacity, in open communication with the interior of said cabinet and exposed to air circulating within said cabinet; the arrangement being such that ice is frozen to the walls of said tank below the water level therein by the evaporation of refrigerant during the absorption-evaporation period of operation of said one unit and melted loose therefrom to float to the surface of the water in said tank by warm liquid refrigerant introduced into said evaporator during the generation-condensation period of operation of said one unit.

2,410,335
CONTROL MECHANISM
Edwin C. Burdick, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 22, 1942, Serial No. 462,950
4 Claims. (Cl. 137—164)



1. In a control system, means to measure the value of a first condition, means to measure and control the value of a second condition, mechanism operated by the means to measure the value of the first condition to adjust said second means and vary the value at which the second means will control the value of the second condition to maintain the value of the second condition at a fixed ratio to the value of the first condition, means responsive to the value of a third condition, and means operated by said last mentioned means to adjust said mechanism to vary the ratio said mechanism will keep between said first condition and said second condition.

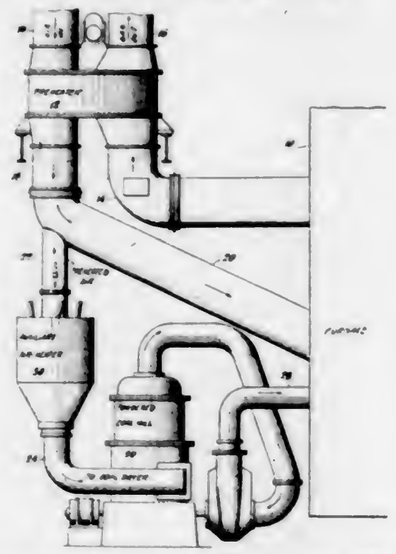
2,410,336
DYEING MACHINE
Frederick Carter and Donald C. Taylor, Westhill, Ontario, Canada
Application October 21, 1944, Serial No. 559,825
1 Claim. (Cl. 68—175)



In a dyeing machine of the class described, comprising a case for containing a row of vats and having a hinged cover including material guide means projecting through an elongated slot in said cover for movement from one to another of said vats, the improvement including slide means for supporting said material guide means, said slide means including a substantially U-shaped member of springy material having converging legs flanged at their distal ends for

interfitting engagement with side edges of said slot under outward tension, said material guide means being attached to the bight portion of said U-shaped member and having a material guiding element extending between said legs and protruding therefrom for projecting into one or another of said vats according to the position of the slide means, and an indexing device for said slide means comprising nodules on said cover of the case spaced at intervals along one edge of the slot therein for engaging in a locating aperture provided in the adjacent leg of said U-shaped member.

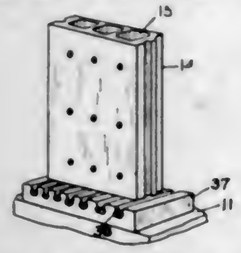
2,410,337
AIR PREHEATER FOR PULVERIZING MILLS
Roland S. Cooper, River Forest, Ill., and Sven Holm, Wellsville, N. Y., assignors to The Air Preheater Corporation, New York, N. Y.
Original application October 22, 1942, Serial No. 462,942. Divided and this application April 21, 1944, Serial No. 532,124
2 Claims. (Cl. 263—19)



1. A furnace for heating gaseous fluids comprising; means forming an elongated cylindrical furnace chamber closed at one end; a gas discharge duct connected centrally into the opposite end of said chamber; burners disposed for introducing fuel to be burned to said chamber through its wall near said one end and arranged in a circle to direct the fuel streams toward and tangentially to an imaginary circle centered on the longitudinal axis of said chamber and located in a plane transverse thereof; an air tube projecting through said one end wall within said burner circle and having an open end located at a point short of the opposite end wall, said tube being of smaller diameter than the cross sectional area of said chamber to provide an annular combustion space and being formed in its side wall with orifices inclined with respect to the axis of said chamber so as to direct air into said annular combustion space in directions opposite to those of the streams of fuel from said burners.

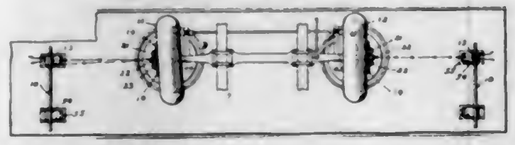
2,410,338
SILO
Zur W. Craine, Norwich, N. Y., assignor to Craine, Inc., Norwich, N. Y., a corporation of New York
Application October 27, 1942, Serial No. 463,501
2 Claims. (Cl. 72—6)

2. A tower silo comprising a founation having a grooved surface at least at the periphery of the foundation to form liquid outlet means to the exterior of the silo wall, a body erected in the form of a wall upon the grooved surface of the foundation and forming an enclosure for silage thereabove, and the wall being narrower than



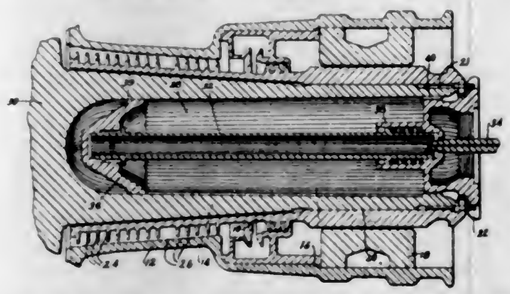
the grooved surface and located with respect to the grooves so that the ends thereof are exposed at the inner and outer faces of the wall thereby forming a plurality of liquid drainage outlets communicating with the interior of the wall of said enclosure.

2,410,339
WHEEL ALIGNMENT GAUGE
John L. Creagmile, Oakland, Calif.
Application February 15, 1943, Serial No. 475,945
4 Claims. (Cl. 88—74)



1. In apparatus for gauging an alignment relation of a dirigible wheel disposed for its swinging in place about an upright axis, an optical indicating means comprising a fixed source of light emitting a light beam directed horizontally in a line toward said axis of swinging for the wheel, a reflector mounted on the wheel for its disposal to intercept said light beam for the reflection thereof and having its reflecting face parallel to the plane of the wheel, and a fixed scale disposed to intercept the reflected beam at a point in a vertical zero line of the scale intersecting the beam line when a horizontal line of said reflecting face intersected by the beam line is perpendicular to the beam line.

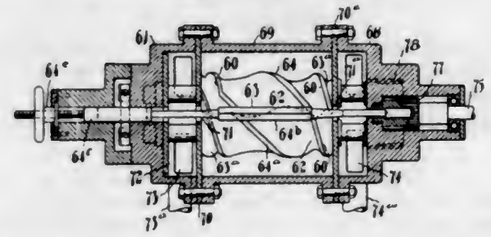
2,410,340
TURBINE SEAL
Val Cronstedt, Marlboro, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 11, 1943, Serial No. 486,618
2 Claims. (Cl. 308—36.1)



1. In a turbine, a rotor having a power section and a projecting shaft at one end, a recess in said shaft through which a coolant is directed, a casing in which said shaft is journaled and a sleeve mounted at its outer end only on the portion of the shaft in which the recess is located,

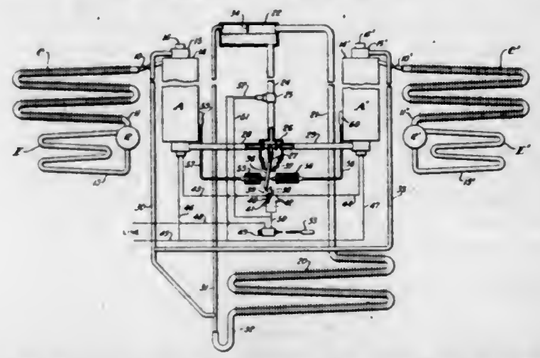
said sleeve adjacent to the inner end, and the casing having cooperating sealing elements defining a labyrinth seal, a part of the outer surface of said sleeve forming a bearing surface for the rotor.

2,410,341
DISPLACEMENT APPARATUS
Rudolf D. Delamere, Toronto, Ontario, Canada
Application March 2, 1942, Serial No. 432,972
6 Claims. (Cl. 230—143)



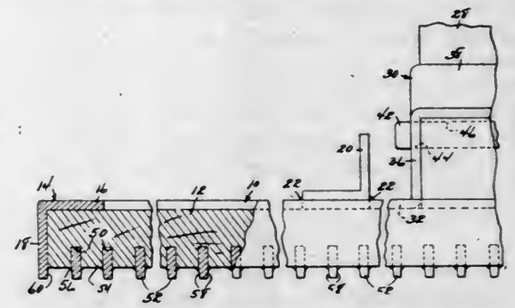
1. Apparatus of the class described comprising at least three rotatable elements, each element being provided with a plurality of helical ribs, each rib having a short pitch at each end and a comparatively long pitch intermediate the short pitched portions, the elements being meshed with one another and rotatable in the same direction to form a succession of pockets which change in size as they travel from one end of the ribs to the other during the rotation of the elements; means for admitting or exhausting gas into or from the pocket at one end of the elements; means for exhausting or admitting gas from or into the pocket at the other end of the elements; means to rotate or be rotated by the rotatable elements; and means for controlling the operation of a large pocket and either one of the small pockets or a portion thereof to permit the elements to be driven in either direction of rotation by the gas or to permit the elements to drive the gas in either direction through the pockets and to vary the compression and expansion ratio of the gas entering and leaving the pockets.

2,410,342
REFRIGERATION
Alfred G. Gross, Wilmette, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 16, 1942, Serial No. 465,686
8 Claims. (Cl. 62—5)



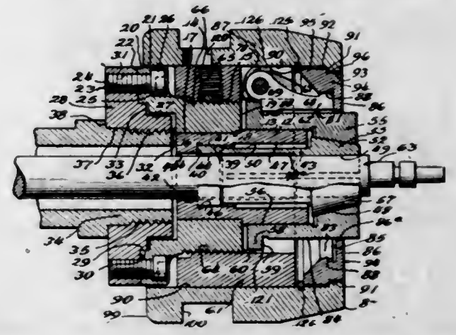
1. Refrigerating apparatus including a pair of intermittent refrigerating systems each including an absorber-generator, a condenser and an evaporator connected in circuit, said condensers and said evaporators being arranged with respect to each other and to said absorber-generators to prevent gravity flow of liquid refrigerant into said absorber-generators, a cooling system for said absorber-generators including a heat rejecting part, a heat absorbing part in heat exchange with each absorber-generator, a gas and liquid separating chamber, means for conveying condensate from said separating chamber to each absorber-generator, a vapor lift pump for conveying condensate from said heat rejecting part to said separating chamber, means for conveying vapor from said separating chamber to said heat rejecting part, means for conveying vapor from each of said heat absorbing parts to said vapor lift pump, means for heating said absorber-generators, and control means arranged to govern said heating means and said cooling system to apply heat to one absorber-generator to cool the other absorber-generator.

2,410,343
CONCRETE FLOAT
William S. Haivala, Kennewick, Wash.
Application January 29, 1944, Serial No. 520,308
2 Claims. (Cl. 72—136)



1. A concrete float comprising a body composed of a rectangular metal frame having an open lower face, a wooden block in said frame with its lower face above a plane with the lower edge of the frame, said block having transverse grooves in its lower face, blades arranged in said grooves with their lower edges flush with the lower edges of the frame and their ends welded to the inner vertical walls of the frame, and a handle carried by the body.

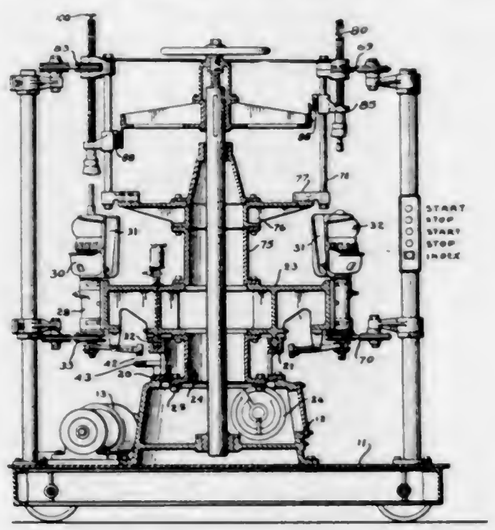
2,410,344
COLLET CHUCK
Rufus E. Hines, Chicago, Ill.
Application August 7, 1944, Serial No. 548,325
2 Claims. (Cl. 279—50)



1. In an actuating mechanism for a collet chuck incorporating a collet provided with an axial bore, a locating surface at one end and a tapered peripheral surface at the other end, a supporting body having an axial bore for receiving the collet and including a shoulder for locating the collet axially thereof, a collet closing member slidably mounted for axial movement on said supporting member and having a tapered inner end surface coacting with said tapered peripheral surface of the collet to urge the locat-

ing surface of the collet against said shoulder of the supporting body and to effect closing action of the collet, and said collet closing member having a thrust surface opposed to the tapered inner and surface thereof, the combination comprising, a plurality of axially projecting fingers pivotally mounted in circumferentially spaced relationship on the supporting body and having shoulders engaging said thrust surface of the collet closing member, a chuck actuating member mounted for axial sliding movement on the supporting body, said chuck actuating member having an integral internal radial shoulder in opposed relationship to the collet locating shoulder of said supporting member, and a floating camming member of substantially less diameter than the chuck actuating member adjacent said shoulder carried by said chuck actuating member and having an internal camming surface in position for coaction with the ends of said projecting fingers during axial movement of the chuck actuating member to effect axial movement of the collet closing member, said camming member being axially located relative to the chuck actuating member by said radial shoulder and against which it is movable radially relative to the actuating member so that substantially equal force is applied radially to each of said fingers, whereby to balance the forces applied to said collet closing member.

2,410,345
PERFORATING AND TUBULATING APPARATUS
Ray A. Hinkley, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application August 4, 1942, Serial No. 453,583
3 Claims. (Cl. 49—1)

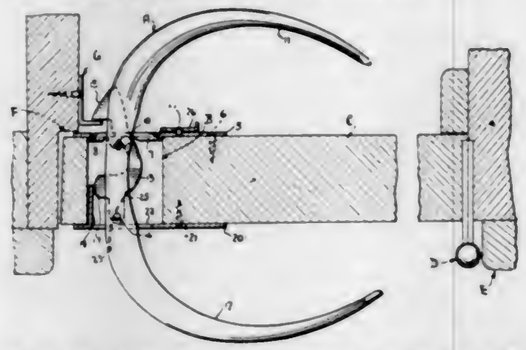


1. In a glass working apparatus, a chuck adapted to hold a glass article, means adjacent said chuck for heating to plasticity a restricted wall area of a glass article held by said chuck, a suction gathering unit adjacent said chuck, means operatively connected to said unit for moving it from a discharge position into juxtaposed relation to the plasticized wall area of the article and back to its discharge position, means adjacent said chuck for applying pressure to the plasticized wall area of the article in a direction towards said unit while said unit is moving toward the article, means operatively connected to said unit for establishing communication between it and a vacuum line and for maintaining the same during movement of said unit from such juxtaposed relation toward its discharge position to seize and draw plasticized glass away from the article proper, thermal means adjacent said chuck for severing the major portion of the seized glass from the article proper, and means operatively associated with said unit for ejecting the seized glass therefrom upon its arrival at the discharge position.

2,410,346
LUBRICANT
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application December 5, 1945, Serial No. 633,043
8 Claims. (Cl. 252—49.6)

1. The method of lubricating relatively moving metallic bodies which comprises maintaining between their bearing surfaces a lubricant film comprising a liquid polymeric organo-siloxane whose organic substituents consist essentially of lower alkyl and phenyl radicals attached to silicon through carbon-silicon linkages, said siloxane containing at least 40 mol. per cent of the recurring structural unit corresponding to the formula $(C_6H_5)RSiO$ where R is a lower alkyl radical.

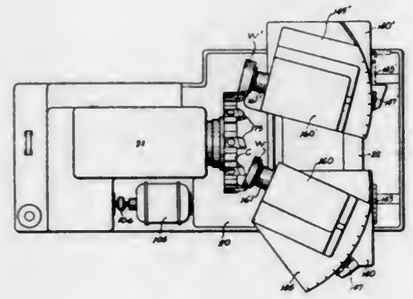
2,410,347
DOOR LATCH
Justus C. Irwin, Minneapolis, Minn., assignor to Wright Products, Inc., St. Paul Park, Minn., a corporation of Minnesota
Application January 29, 1944, Serial No. 520,235
15 Claims. (Cl. 292—126)



1. A latch for operation in a hole bored in a door at a point spaced from the edge thereof, comprising a handle member extending through the hole and pivotally mounted for swinging movement about an axis disposed adjacent to the inner surface of the door, a latch dog pivotally secured to a swingable part of the handle member at a point spaced substantially outwardly with respect to said first pivot axis and having a hook end extending inwardly and to a point beyond the inner surface of the door for engagement with a keeper.

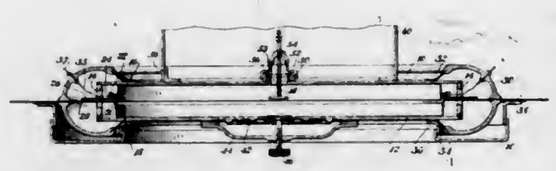
2,410,348
METHOD AND MACHINE FOR RELIEVING GEAR CUTTERS
Magnus H. Johanson, Rochester, and Ernest Wildhaber, Brighton, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York
Application December 23, 1943, Serial No. 515,366
13 Claims. (Cl. 51—95)

2. The method of relieving side surfaces of blades of a face-mill gear cutter which comprises adjusting two grinding wheels, which are adapted to grind opposite side surfaces of the blades, respectively, into engagement with opposite side surfaces of blades of the cutter so that the line of contact between each wheel and a blade profile



lies in the same plane as the cutter axis, and grinding each side surface of the blades by rotating the corresponding wheel in engagement with the blades while effecting a relative helical motion between the wheel and cutter about the cutter axis.

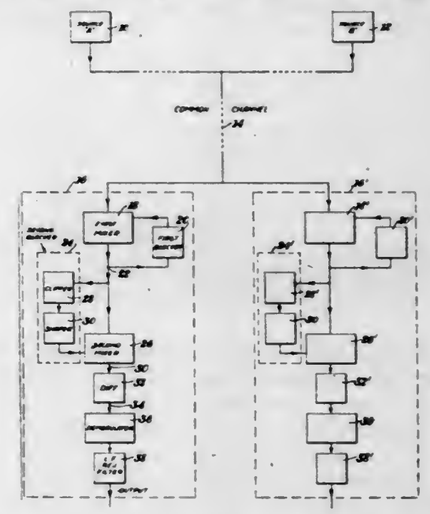
2,410,349
VACUUM TUBE
Emile Labin, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application December 15, 1942, Serial No. 469,055
16 Claims. (Cl. 250—27.5)



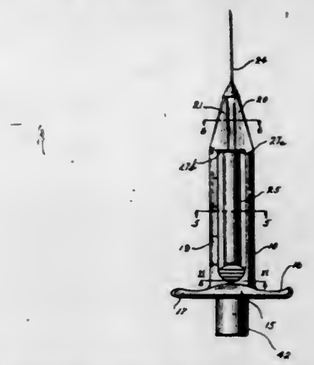
1. A cavity resonator electron tube including a pair of spaced-apart metal plates, each point on one plate being at substantially the same distance from the corresponding point on the other plate, as measured along a line normal to the surface at these points, an anode electrode electrically connected to and positioned about the periphery of one of said plates, a second electrode connected to and positioned about the periphery of the other plate and spaced from the anode, said electrodes and said plates forming the perimeter of a cavity resonator, and sealing means enclosing said electrodes, closing the space between the two plates.

2,410,350
METHOD AND MEANS OF COMMUNICATION
Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application February 6, 1943, Serial No. 474,960
9 Claims. (Cl. 179—15)

1. The method of selecting a desired modulated pulse train from among a plurality of modulated pulse trains having a slight frequency difference relatively to the desired pulse train, which includes the steps of blocking out the undesired pulses whenever they do not overlap the desired pulses, and blocking out at least the pulse portions of those desired pulses which are overlapped by the undesired pulses.



2,410,351
HYPODERMIC SYRINGE
Marshall L. Lockhart, Detroit, Mich., assignor of one-half to Margaret L. Lockhart, Detroit, Mich.
Application February 10, 1944, Serial No. 522,188
4 Claims. (Cl. 128—215)

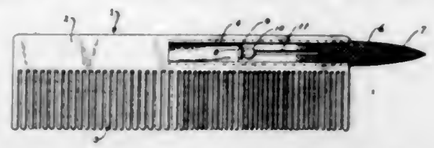


1. A hypodermic syringe including a body comprising a base, a pair of legs fixedly connected adjacent their inner ends to said base, said legs extending from said base in spaced relationship to define an ampule-receiving chamber between them and having free outer ends, said body being formed of material such that the outer ends yieldingly resist separation, needle-gripping portions adjacent the outer ends of said legs and disposed beyond the end of said chamber, said portions providing between them a needle-gripping structure such that, by flexing said legs to separate the gripping portions, a needle may be moved laterally into position therebetween, and said base being formed with an opening in line with the space defined between said legs whereby an ampule may be projected therethrough into such chamber.

2,410,352
TOILET IMPLEMENT
Carl U. Maenpa, Rome, Ohio
Application November 10, 1944, Serial No. 562,803
1 Claim. (Cl. 132—76.2)

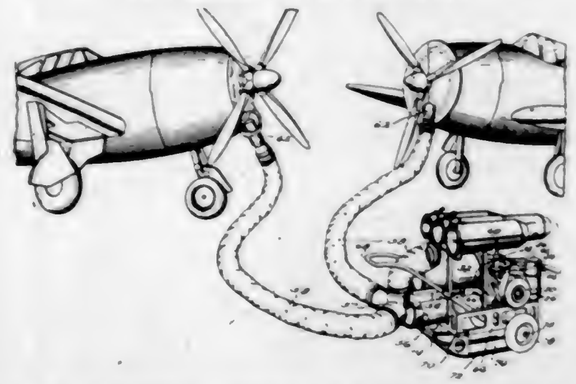
A toilet implement comprising a holder having a back and a longitudinal slideway in one side of said back extending along said side from one end

of the holder, a finger nail file in said slideway having sides interfitting with the sides of said slideway and slidable therein whereby said file is adapted to be projected out of the slideway and retracted into the same, and a lateral lug on said file forming a finger grip extending out of the slideway for use in projecting and retracting said file, said file being provided with a longitudinal slot therein, and said back having a stud thereon



extending through said slot for limiting projection of said file, said file in the limit of projection thereof having a substantial filing portion disposed in said slideway and accessible for use through said slideway while being backed by said holder to render said portion rigid while in use, said slideway being open to said end of the holder to expose the entire length of the file for use even when said file is retracted.

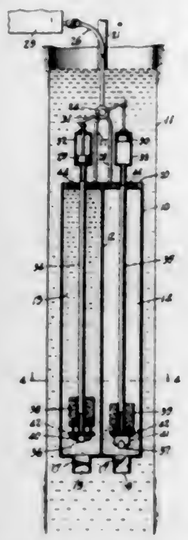
2,410,353
HEATER
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased
Application April 17, 1942, Serial No. 439,342
16 Claims. (Cl. 126—116)



1. In a heating system for airplanes and the like, the combination of an internal combustion heater burning a combustible mixture of fuel and air, an internal combustion engine, a source of fuel, a carburetor receiving fuel from said source, a pump driven by said engine to withdraw and compress a combustible mixture of vaporized and atomized fuel and air from said carburetor, means including a passage conveying said mixture to said engine for combustion therein, means including a passage conveying said mixture to said heater for combustion therein, and means including a blower driven by said engine to pass air in heating relation through said heater.

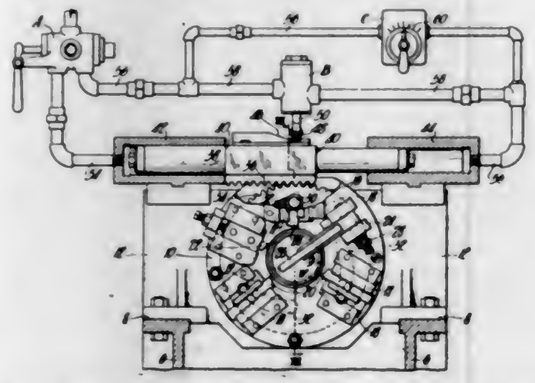
2,410,354
FLUID PRESSURE PUMP
Joseph B. Meyer, Kenosha, Wis.
Application February 17, 1945, Serial No. 578,442
1 Claim. (Cl. 103—246)

In a pump of the character described the combination of a narrow elongated container divided to form two separate gravity filled chambers, discharge means for said chambers extending upwardly through said container, valve means operable to admit fluid pressure to said chambers alternatively, a removable closure member for the top of each chamber, a fluid pressure conductor extending into each of said chambers and supported by said closure member thereof, a float controlled valve carried by the lower end of each of said conductors, and



means actuated through said conductors for actuating said first named valve means, each of said conductors and associated float controlled valve being removable, as a unit, from a chamber upon removal of its supporting closure member.

2,410,355
SEVERING TOOL
Andrew B. Nesbitt and Samuel Webb, Pittsburgh, Pa., assignors to National Tube Company, a corporation of New Jersey
Application January 29, 1945, Serial No. 575,104
5 Claims. (Cl. 164—36)



1. A machine tool for severing elongated bar or pipe stock, comprising means for rotating the stock on its longitudinal axis, a tool support having an opening therethrough adapted to encompass said stock while held by said rotating means, a plurality of cutting tools slidably mounted on said support for movement transversely and radially of the longitudinal axis of said stock, rotatable cam means for moving said cutting tools transversely and radially of said stock, means to rotate said cam means, said means comprising at least an hydraulic cylinder, means for admitting fluid under pressure thereto to rotate said cam and move said tools inwardly of said support, means for controlling the rate of exhaust therefrom to control the speed of advance of said tools, said means comprising a variable control valve and a shunt, a shut-off valve in said shunt and means operable to close said shut-off valve when said tools are moved adjacent said stock whereby said tools may be moved rapidly inwardly until they approach said stock and are thereafter moved inwardly at a rate controlled by said variable control valve.

2,410,356
PURIFICATION OF TETRAETHYL LEAD
Alfred Edwin Parmelee, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 29, 1943, Serial No. 489,067
7 Claims. (Cl. 260—437)

1. The method of purifying steam distilled tetraethyl lead, containing sludge-forming impurities, which comprises washing the tetraethyl lead with at least ⅓ volume of an aqueous solution of hydrogen peroxide containing from about 0.35 to about 5% of hydrogen peroxide.

2,410,357
PAPER SIZING
Donald K. Pattilloch, Springfield, Mass., assignor of one-half to Chemical Development, Inc., Chicago, Ill., a corporation of Illinois, and one-half to George B. Fowler, Springfield, Mass.
No Drawing. Application June 20, 1942, Serial No. 447,774
9 Claims. (Cl. 106—79)

1. A precipitable sizing material comprising a mixture of substantial quantities each of a protein-containing cereal flour, rosin and an alkali silicate from the group consisting of metasilicate and sesquisilicate.

2,410,358
PROCESS FOR PREPARING ANTIMONY PENTAFLUORIDE
Melvin A. Perkins and Carl F. Irwin, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 7, 1943, Serial No. 505,414
3 Claims. (Cl. 23—98)

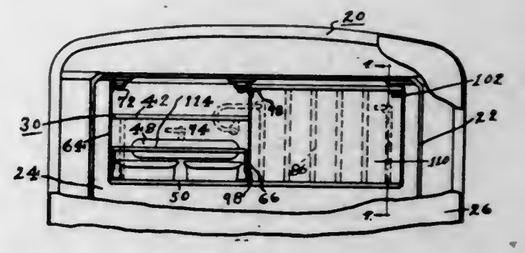
2. The process which comprises reacting $SbCl_5$ with HF to produce SbF_5 in an aluminum apparatus.

2,410,359
BONDED REFRACTORY FOR FURNACE LININGS
John Samuel Clifford Perry and Alan Theodore Prince, Kilmar, Quebec, Canada, assignors to Canadian Refractories Limited, Montreal, Quebec, Canada
No Drawing. Application November 24, 1944, Serial No. 565,063. In Canada December 2, 1943
10 Claims. (Cl. 106—58)

1. In the production of refractory furnace linings and brick therefor the method which comprises mixing with a mass of magnesia-containing particles dilute sulphuric acid as gauging liquid and a substantially water-insoluble sulphate and moulding and pressing the mixture into form.

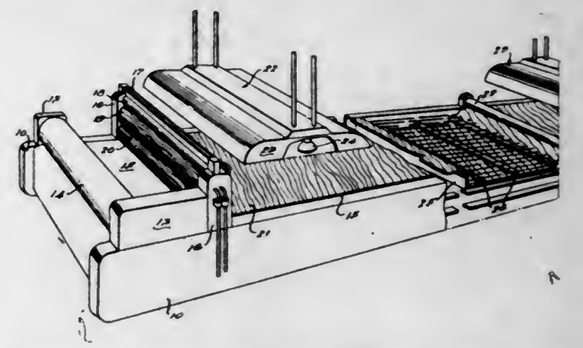
2,410,360
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application January 25, 1945, Serial No. 574,479
8 Claims. (Cl. 62—126)

1. A refrigerant evaporating unit comprising a C-shaped section having a single refrigerant flow passage and a second C-shaped section having a plurality of parallel passages and a single refrigerant flow passage communicating at one end with



said parallel passages and at the other end with said first mentioned single refrigerant flow passage.

2,410,361
METHOD FOR MAKING PLASTIC ARTICLES
Alvin W. Prance, Royal Oak, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 6, 1943, Serial No. 513,080
12 Claims. (Cl. 18—47.5)

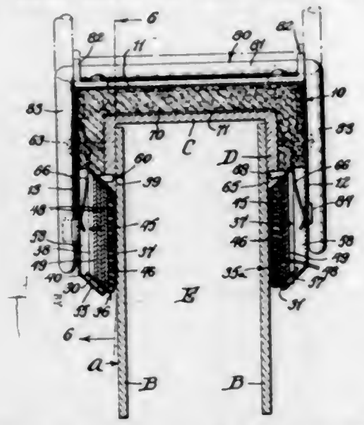


1. In the method of making plastic articles the steps of applying an inked design or pattern to the surface of a cellulosic sheet, drying the ink of said pattern, treating said sheet with a thermo-setting resin in an intermediate stage of polymerization to leave a film of said resin as a coating over said pattern, drying the sheet, preforming said sheet in a press to approximately the shape of the final article, removing the sheet from the press, heating the sheet, and finally forming the sheet in a second press by the simultaneous action of heat and pressure.

2,410,362
ELECTRICAL CONTACT HEATER
Alfred A. Reiser, Buffalo, N. Y., assignor, by mesne assignments, to H. & A. Manufacturing Co., Binghamton, N. Y., a partnership composed of Maurice Harowitch, Clarence H. Ackley, and Harold Horowitz
Application September 26, 1942, Serial No. 459,793
14 Claims. (Cl. 219—19)

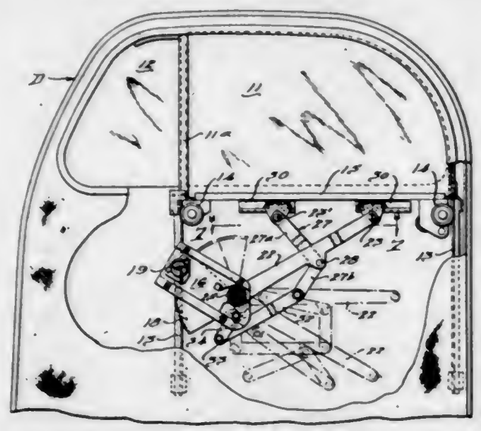
11. A heating apparatus comprising in combination a plurality of heating pads arranged in thermal contact with two sides of the part to be heated, a flexible channel-shaped casing embracing said two sides of the part to be heated and said heating pads in spaced relation thereto and bodily movable with respect thereto, spring means interposed between each of said heating pads and the adjacent part of said casing, and a rigid U-shaped holder embracing said casing and engaging the exterior thereof in compressive relation thereto and in position to transfer

the resultant of the forces of said spring means on one of said sides of said part to be heated



to said spring means on the other of said sides of said part to be heated.

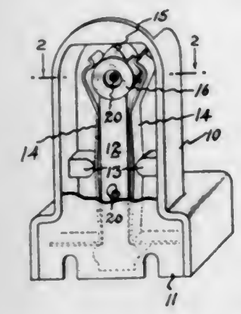
2,410,363
WINDOW REGULATOR
John H. Roethel, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application January 29, 1943, Serial No. 473,915
17 Claims. (Cl. 268—126)



1. A window regulator for raising and lowering a window panel, comprising a swinging driving arm, a balance arm pivoted intermediate its ends to the driving arm at a point intermediate the ends of the latter, said arms when raised extending in diverging relation and swingable in opposite directions past each other during operation and having means for connection at corresponding ends to the lower edge of the window panel, means for swinging the driving arm, said balance arm having an angular extension, a shiftable link connected to said angular extension at a point spaced from the driving arm, and means operatively connecting said link and second named means and cooperating with said extension to maintain said link and driving arm in vertically spaced substantially parallel relation in all operative positions of the regulator.

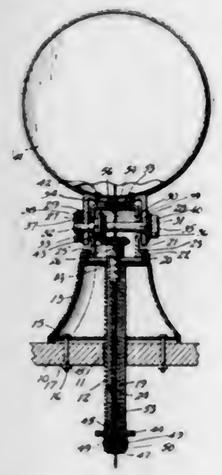
2,410,364
ELECTRICAL JUMPER FOR SHORT-CIRCUITING THE CONTACTS OF FLUORESCENT LAMP SOCKETS
Harry Rosenthal, Belle Harbor, N. Y.
Application April 19, 1944, Serial No. 531,731
1 Claim. (Cl. 173—328)

A fluorescent lamp socket comprising an insulating housing having lamp prong openings in the front wall thereof, an integral rib within said housing having an enlarged end extending between said openings, a pair of spring contact fingers lying along the sides of said rib and shaped to receive lamp contact pins between them and



said enlarged end, and a cup shaped contact mounted on said enlarged end and having notches in which said rib lies, said contact serving to short circuit the lamp prongs when engaged by said spring contact fingers.

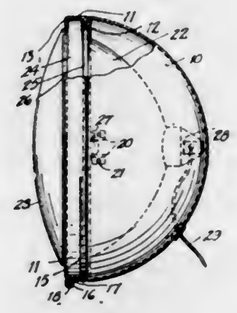
2,410,365
DIRIGIBLE SEARCHLIGHT
Henry J. Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut
Application February 21, 1944, Serial No. 523,201
2 Claims. (Cl. 240—61.13)



1. In a dirigible search-light, a mounting element adapted to be fixed to a supporting structure, a rotatable vertical sleeve member having bearing in said mounting element, a gear housing member secured to the upper end of said sleeve member and rotatable therewith, and having a conductor wire slot in its upper side in vertical line with the vertical axis of rotation of said sleeve and housing and extending forwardly and rearwardly of said axis, a rotatable vertical tubular shaft engaged in said rotatable sleeve member, a bevel gear secured to the upper end of said shaft within said housing member, a horizontal shaft journaled in said housing member, a bevel gear secured to said horizontal shaft and meshing with said first mentioned bevel gear, a lamp supporting yoke member having side legs disposed at each side of said housing member and rigidly connected to the ends of said horizontal shaft, and having a conductor wire opening in the upper side in the same vertical plane with said slot in register therewith and adapted through swinging movement of said yoke member

to traverse said slot, a lamp connected to said yoke member, a conductor wire extending from said lamp through said conductor wire opening and slot to said housing and from said housing through said vertical tubular shaft, and actuating means for said vertical sleeve and vertical shaft connected to said shaft to rotate it independently and connectable to said sleeve to rotate said sleeve and shaft as a unit.

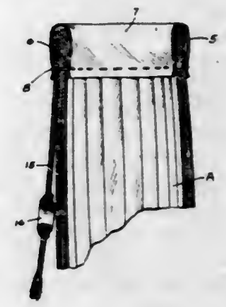
2,410,366
LAMP
Henry J. Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut
Application April 17, 1944, Serial No. 531,342
6 Claims. (Cl. 240—41.5)



1. In a lamp, a casing comprising a body part and a circumferential rim part permanently connected together, inwardly projecting abutment means permanently connected to said casing at a point within said casing between said body part and said rim part, a retaining flange at the forward edge of said rim part, said rim part including a flexibly movable portion extending partially about its circumference defined by a circumferential cut between said abutment means and said retaining flange, there being a transverse split extending forwardly from said circumferential cut through said retaining flange, and fastening means connected between the opposed edges of said transverse split adapted to contract said flexible rim portion with respect to its normal open relation relatively to said rim part and whereby a lens inserted within said rim portion in opposed relation to said abutment means is retained therein through contraction of said flexibly movable rim portion.

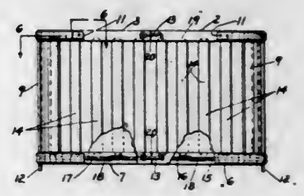
2,410,367
DOUCHE RECEPTACLE
Jacob Shapiro, Brooklyn, N. Y.
Application August 17, 1945, Serial No. 610,905
2 Claims. (Cl. 128—227)

1. A receptacle for an irrigating douche, comprising a sheet of flexible water-proof material shaped to bag form by gathering together into pleats the marginal portion of the sheet and secured in pleated condition by stitching to constitute the mouth of the bag, a flap juxtaposed to the outer side of the pleated mouth forming portion of the bag having a portion with the edge flush with the edge of the pleated portion extending about the mouth for more than one-half the circumference thereof and attached thereto by the stitching securing the mouth forming pleats, said flap arranged with an eyelet and adapted to be moved laterally from the body of the bag and folded upon itself to project outwardly from the mouth of the bag and the eyelet engage a support to suspend the bag therefrom,



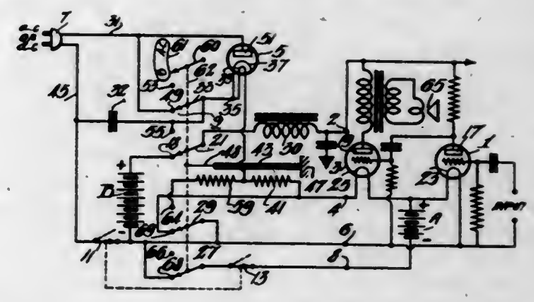
and a flexible tube connecting nipple secured in an opening in the bottom of the bag.

2,410,368
BABY PLAY PEN
Milroy G. Stackhouse, Homewood, Ala.
Application February 21, 1945, Serial No. 578,988
1 Claim. (Cl. 5—93)



A baby play pen comprising a top rail in a plurality of sections with posts and panel slots therein, a bottom rail in a plurality of sections with posts and panel slots therein, each corner portion of said sections being substantially shaped as a quarter circle and made up of segments held together by a piece of flexible material attached to their outer faces; posts with tongue ends adapted to fit into said rail slots, panels with tongue ends adapted to fit into slots in said rail-sections, said posts and panels serving as means to hold said top and bottom rail-sections in parallel position together; dowel joints and hooks adapted to hold the abutting ends of said rail-sections together; a floor having a plurality of boards hinged together, said floor supported by cross members positioned within the bottom assembled rail.

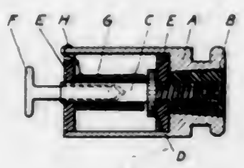
2,410,369
POWER SUPPLY CIRCUITS
George C. Sziklai, Bloomington, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application September 1, 1942, Serial No. 456,865
18 Claims. (Cl. 315—96)



12. In thermionic apparatus, an amplifier including an anode and a filamentary cathode, a

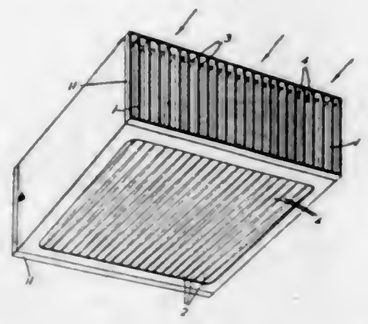
rectifier tube having an anode and a cathode with a heating element, a power supply circuit including said rectifier tube for energizing said amplifier from an alternating or direct current power mains, said rectifier anode being connected to one side of said mains and said rectifier cathode being connected in direct current relation with said amplifier anode for supplying high voltage operating potential thereto, said heating element having one terminal connected to said rectifier cathode and another terminal connected to one terminal of said amplifier cathode in series relation therewith for supplying low voltage rectified current thereto, the other terminal of said amplifier cathode being connected to the other side of said mains.

2,410,370
THERMAL CIRCUIT INTERRUPTER
Ernst Martin Thielers, Stockholm, and Walter Otto Wilhelm Broberg, Nynashamn, Sweden, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application September 20, 1943, Serial No. 503,118
In Sweden October 20, 1942
8 Claims. (Cl. 200—123)



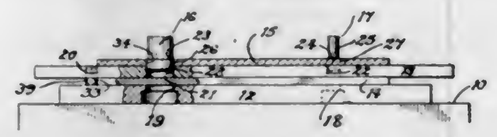
1. In a device of the character described, an electrically conductive cover, an electrically conductive tube arranged within the cover, insulating means supporting said tube in said cover, a pin soldered in said tube, a heating coil wound on said tube for fusing the pin solder, the pin and cover being engageable with fastening springs and the heat capacity of the heating coil and parts heated by said coil and heat losses of said insulating means and fastening springs being so reduced that the interruption point for all excess currents over the limiting current attains its fusing temperature at least as early as the leading coil attains a temperature injurious thereto.

2,410,371
FILTER
Cecil Gordon Vokes, London, England
Application March 15, 1944, Serial No. 526,574
In Great Britain February 8, 1943
6 Claims. (Cl. 183—71)



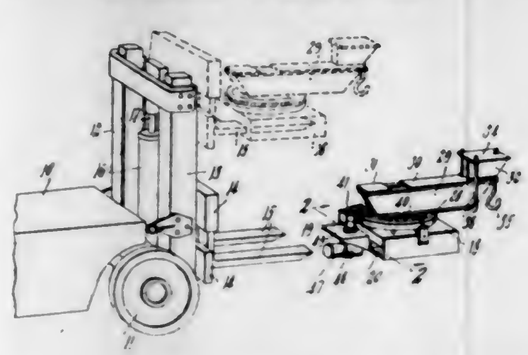
1. A filter element formed of filtering material folded to include alternating top and bottom sections of shape roughly triangular or wedge shaped, the top sections tapering in one direction and the bottom sections tapering in the opposite direction, and side wall sections lying between the top and bottom sections and having their edges joined in the front and back at the apexes of the triangular top and bottom sections.

2,410,372
METHOD OF AND APPARATUS FOR PUNCHING BY TRANSFER MEANS
George F. Wales, Kenmore, N. Y.
Application December 18, 1944, Serial No. 568,637
34 Claims. (Cl. 164—94)



1. A method of manufacture consisting in transferring a plurality of punch mediums by pressure from their lodging places in one of two work-pieces, to guide means located between said work-pieces, thence into lodging places which they form in the other of the work-pieces.

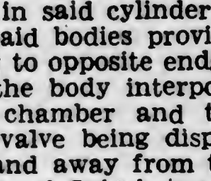
2,410,373
REVOLVING CRANE ACCESSORY FOR FORK TRUCKS
John R. Westervelt, Jr., Duxbury, Mass., assignor to National Fireworks, Inc., West Hanover, Mass., a corporation of Massachusetts
Application April 7, 1944, Serial No. 529,924
14 Claims. (Cl. 214—112)



1. The combination with a truck having an elevator and a fork carried by the elevator, of a crane comprising a base separably engaged with and supported by said fork, a disk-form turntable mounted rotatably on top of said base and supported by the upper surface thereof and a carrier arm or boom secured rigidly to the turntable and projecting beyond the periphery thereof.

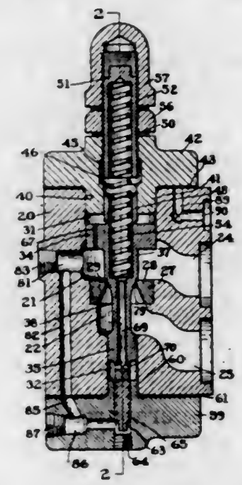
2,410,374
INFANT'S GARMENT
Caroline Wiese and Harold E. Wiese, Cleveland, Ohio
Application November 8, 1943, Serial No. 509,364
1 Claim. (Cl. 128—284)

A diaper embodying two outer layers of fabric and two inner layers of gauze disposed in superimposed relationship, the fabric and gauze being substantially the same length, but the gauze being narrower than the fabric and being spaced centrally thereof, whereby the fabric has substantially equal longitudinally extending marginal portions projecting beyond the gauze on each side thereof, a line of stitching extending across the gauze and fabric at one end thereof and connecting all together, other lines of stitching connecting together the longitudinal edges of the fabric beyond the longitudinal edges of the



gauze, said diaper having buttonholes extending along opposite ends thereof, some of said buttonholes extending through the gauze and fabric, and some of said buttonholes extending only through the layers of fabric.

2,410,375
HYDRAULIC APPARATUS
Fred J. Wright, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application June 19, 1943, Serial No. 491,499
12 Claims. (Cl. 137—153)



1. A fluid pressure operated valve comprising, in combination, a valve body having a passage therethrough including high and low pressure chambers, one of said chambers forming a cylinder; a movable body in said passage including a piston slidable in said cylinder and including a valve, one of said bodies providing a restricted passage leading to opposite ends of the piston; a valve seat in the body interposed between the high pressure chamber and the low pressure chamber, said valve being disposed so as to be movable onto and away from the seat for controlling the flow of fluid between the chambers, said valve body forming a second cylinder communicating with one of said chambers, said movable body including a piston slidable in the second mentioned cylinder, said valve body forming a third cylinder extending outwardly from the first mentioned cylinder, said movable body including a piston extending outwardly from the first mentioned piston and slidable in the third mentioned cylinder, said movable body including a stem connecting the first and second mentioned pistons and extending through the valve seat and through one of said chambers, said valve body forming a fourth cylinder, a fourth piston operatively associated with the movable body, said fourth cylinder being connected with one of said chambers, one of said bodies forming a passage connecting the second and third mentioned cylinders.

2,410,376
BENEFICIATION OF IRON ORES
Robert Ben Booth, Springdale, and Earl Conrad Herkenhoff, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 5, 1943, Serial No. 481,906
8 Claims. (Cl. 209—166)

1. A method of beneficiating oxidized iron ores by froth flotation of the ore in the form of an aqueous pulp, which comprises conditioning the ore with an inorganic acid substance, the anion of which is a constituent of an inorganic acid having a dissociation constant of at least 10^{-7}, the amount of said acid substance being such that on dilution to froth flotation density and floating, the rougher tailing in the absence of added alkali shows a pH in the range of 2 to 6, and subjecting the aqueous pulp of said treated ore to froth flotation in the presence of a collector for oxidized iron minerals, the major constituent of which is an oil soluble petroleum sulfonate obtained in the refining of petroleum lubricating oils and removing a concentrate relatively rich in iron and a tailing relatively poor in iron.

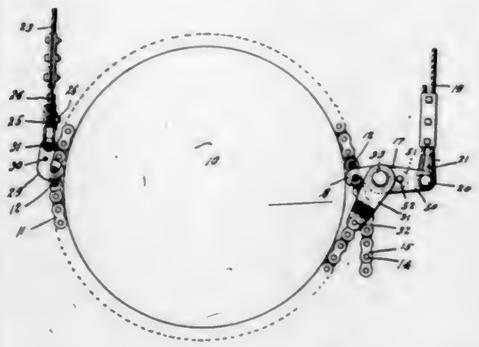
2,410,377
BENEFICIATION OF IRON ORES
Robert B. Booth, Springdale, and Earl C. Herkenhoff, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 18, 1943, Serial No. 491,384
6 Claims. (Cl. 209—166)

1. A method of beneficiating oxidized iron ores by froth flotation which comprises conditioning the ore at high solids with an acid substance, the anion of which is a constituent of an acid having a dissociation constant not less than 10^{-7}, and which does not adversely affect flotation, an unsulfonated oil, and a collector for oxidized iron minerals containing as its major active constituent water soluble petroleum sulfonates of the green acid type obtained in the refining of petroleum lubricating oils, diluting the thus conditioned pulp to froth flotation density, subjecting it to froth flotation to produce a concentrate relatively rich in iron and a tailing relatively poor in iron, the amount of the acid substance being sufficient so that, in the absence of added alkali, the pH of the rougher tailing is in the range of 2 to 6.

2,410,378
GRIP FOR HOISTS
Oliver H. Gallamore, Indianapolis, Ind., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind., a corporation of Indiana
Application January 1, 1944, Serial No. 516,625
3 Claims. (Cl. 294—74)

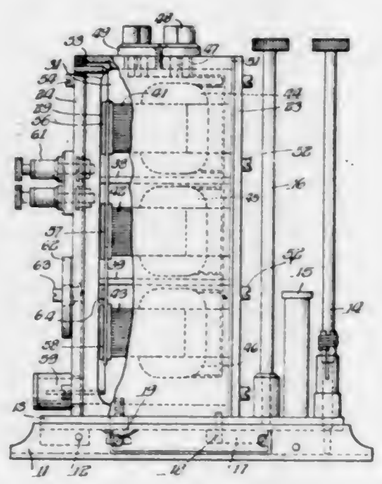
1. A hoisting device, comprising a flexible chain having a series of longitudinally spaced transverse elements, a lever, one end of said chain being connected to said lever, said lever being provided with a hook engageable with any of said transverse elements to retain the chain in position embracing an object to be hoisted with the lever projecting generally radially from such object, a hoisting member connected to said lever near the outer end thereof, said hook and the points of connection of said lever to said chain-end and hoisting member being so arranged that lifting effort applied to the hoisting member will

tend to rotate the lever and tighten the chain on the object it embraces, a second hoisting mem-



ber and a hook on said second member, said last named hook engaging said chain at a point approximately opposite said lever.

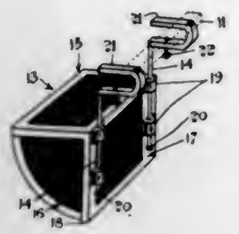
2,410,379
GALVANOMETER
Claude M. Hathaway, Denver, Colo., assignor to Hathaway Instrument Company, a corporation of Colorado
Application September 25, 1944, Serial No. 555,686
6 Claims. (Cl. 171—95)



1. A cell for a galvanometer comprising a block of metal formed of two similar pieces so that when assembled said block has a recess extending from the back of said block to a plane adjacent the front of said block, said recess having stepped sides to form a plurality of shelves for supporting core members, a rear panel for said block for closing one end of said recess, a front panel for closing the other end of said recess, and means mounted on said front panel for supporting moving coil members.

2,410,380
LABEL SCRAPING ATTACHMENT FOR BOTTLE WASHING MACHINES
Marcel Jamieson and Laurent Tremblay, Chicoutimi, Quebec, Canada, assignors to Liquid Carbonic Canadian Corporation Limited, Montreal, Quebec, Canada
Application December 21, 1944, Serial No. 569,186
3 Claims. (Cl. 134—104)

1. A label scraping attachment of the character described comprising a scraper provided with vertically disposed guide brackets, vertically disposed guide rods extending slidably through said brackets and equipped, at their low-



er ends, with stops engageable with certain of said brackets, and means at the upper ends of said rods for attaching them to a part of the bottle carrier of a bottle washing machine.

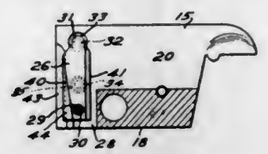
2,410,381
LUBRICATING OIL COMPOSITION
Vance N. Jenkins, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application September 22, 1943, Serial No. 503,449
2 Claims. (Cl. 252—59)

2. A lubricating oil composition comprising about 25% to about 99% by weight of a mineral lubricating oil and about 1% to about 75% by weight of a synthetic lubricating oil blending agent having a viscosity above about 10,000 seconds Saybolt Universal at 210° F., said lubricating oil blending agent being produced by chlorinating paraffin wax, dechlorinating said chlorinated paraffin wax at temperatures between about 400° F. and 600° F. to cause dechlorination without effecting substantial polymerization thereby producing wax olefins, distilling the wax olefins to remove therefrom polymerized material formed during the dechlorination step, catalytically polymerizing the polymer-free wax olefins and subsequently extracting said polymerization product with a normally gaseous hydrocarbon solvent having more than two and less than five carbon atoms per molecule and having a high solvent power for paraffin wax and wax olefins and a low solvent power for said lubricating oil blending agent at the temperature of extraction to separate a solution of paraffin wax and wax olefins in said solvent from said lubricating oil blending agent.

2,410,382
MANUFACTURE
Saul Kaplan, Rutherford, N. J., assignor to Onyx Oil & Chemical Company, a corporation of Delaware
No Drawing. Application September 12, 1942, Serial No. 458,172
5 Claims. (Cl. 106—135)

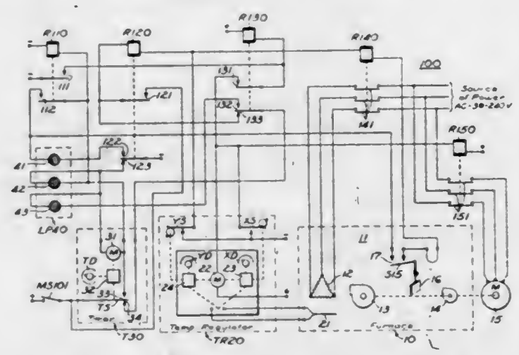
1. An oil-in-water emulsion having, as the disperse phase, a mono-ester of a glycol having from 2 to 3 carbon atoms with a higher fatty acid having 10 to 14 carbon atoms, and a continuous phase comprising an aqueous solution of a film-forming protective colloid, and a water-soluble organic carboxylic compound selected from the group consisting of carboxylic acids and their acidic reacting salts.

2,410,383
LOOM SHUTTLE
John J. Kaufmann, Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 11, 1945, Serial No. 572,358
7 Claims. (Cl. 139—217)



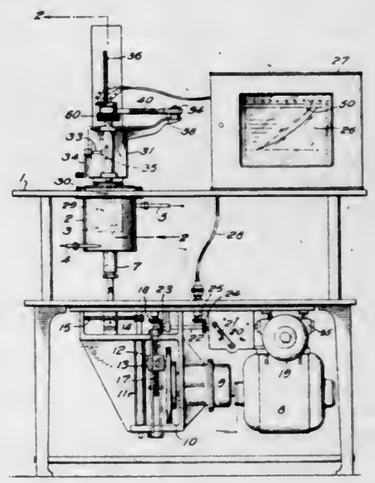
1. In a loom shuttle of the automatic threading type a tension device comprising a pair of spring pressed tension members between which the filling yarn passes, said tension members having flat coacting faces tapered from the top toward the bottom.

2,410,384
FURNACE CONTROL SYSTEM
Harold W. Lindsay, Oakland, Calif., assignor to the Government of the United States as represented by the Director of the Office of Scientific Research and Development, Office for Emergency Management
Application February 3, 1945, Serial No. 576,125
4 Claims. (Cl. 219—20)



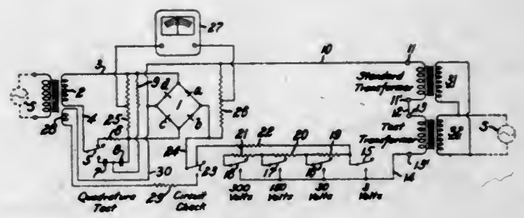
1. A heating system comprising a furnace, a heating element associated with said furnace and operative to supply heat thereto, first and second signals associated with said furnace, a temperature regulator adapted to be set selectively within a given range to a desired furnace temperature, a timer adapted to be set selectively within a given range to a desired timing operation, start means for initiating operation of said heating element and for initiating operation of said first signal, whereby the temperature of said furnace is increased from an ambient temperature toward said desired furnace temperature, means controlled by said temperature regulator in response to the temperature of said furnace reaching said desired furnace temperature for arresting operation of said first signal and for initiating operation of said second signal and for initiating said desired timing operation of said timer, means governed by said temperature regulator after the temperature of said furnace reaches said desired furnace temperature for selectively controlling the operation of said heating element, thereby to maintain the temperature of said furnace substantially at said desired furnace temperature, and stop means controlled by said timer in response to the completion of said desired timing operation thereof for arresting operation of said second signal and for arresting operation of said heating element.

2,410,385
PLASTOMETER
Serge A. Loukomsky, Bound Brook, N. J., and Charles R. Stock, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application April 5, 1945, Serial No. 586,782
6 Claims. (Cl. 73—59)



1. An improved viscosimeter of the spinning cup type comprising in combination a vertical shaft, a cup mounted thereon, a second vertical shaft extending into the center of the cup, a cylindrical element mounted vertically on said second vertical shaft at the end extending into the cup, said latter shaft being rotatably mounted and being provided with a torque measuring device, driving means, a continuously variable drive interconnecting said driving means to the cup shaft, means for varying the ratio of the drive from a predetermined minimum cup speed to a predetermined maximum through a predetermined time interval, automatic reversing means actuated when the speed of the cup reaches the predetermined maximum, said automatic means actuating means which vary the drive ratio so that the cup speed decreases from the maximum to the minimum through a predetermined time interval.

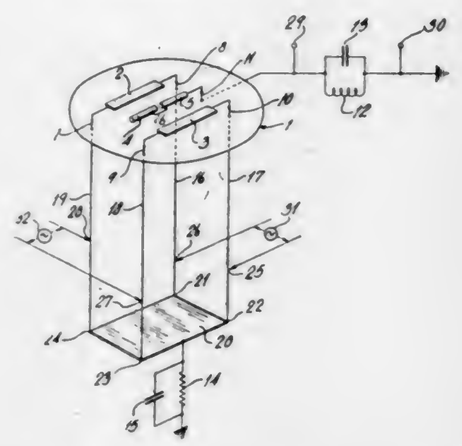
2,410,386
ELECTRICAL TESTING APPARATUS
John H. Miller, Short Hills, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application March 13, 1942, Serial No. 434,577
5 Claims. (Cl. 175—183)



1. In a portable apparatus for measuring the in-phase and quadrature voltage components of a test source of alternating current with respect to a reference voltage, a modulator bridge having rectifier elements arranged in the same sense in the respective side arms thereof, a transformer having a primary winding for connection to the

source of reference voltage and a secondary winding for developing a voltage sufficient to saturate the modulator bridge, an energizing circuit connected across one set of opposed junctions of said bridge and comprising said secondary winding in series with a phase-shifting network, said phase-shifting network including a resistive and a capacitive impedance with a switch for completing said energizing circuit through the resistive or alternatively the capacitive impedance, an actuating circuit connected to the other set of opposed junctions of said bridge and including terminals for receiving connections from the test source of alternating current, a center-tapped resistor connected across each set of opposed bridge junctions, and a direct current measuring instrument connected between the center taps of said resistors.

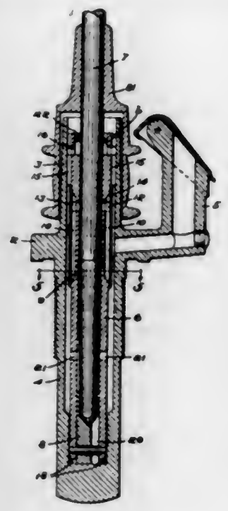
2,410,387
HIGH-FREQUENCY WAVE SIGNALING SYSTEM
William P. Mueller, Emporium, Pa., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application February 14, 1942, Serial No. 430,863
17 Claims. (Cl. 250—20)



1. A high frequency wave converting system, comprising a double diode tube having the cathodes connected together with a common single lead-in, a tuned tank circuit connected between said lead-in and ground, a pair of tuned double transmission lines, one line being connected in push-pull relation to corresponding points of respective diode plates, the other line being connected in push-pull relation to other corresponding points of said plates, means to connect high frequency signals across the first line, means to connect a source of local oscillations across said other line, and means to lead off a resultant intermediate frequency from across said tank circuit.

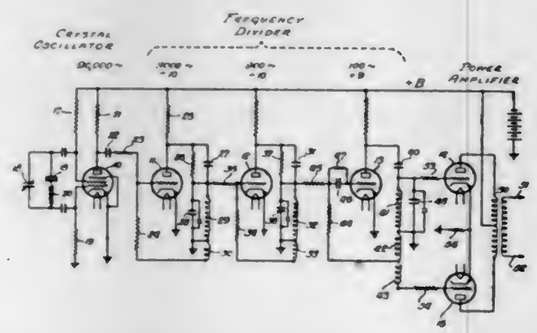
2,410,388
OIL CIRCULATING SPINDLE
Charles M. Neal, Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application September 28, 1943, Serial No. 504,087
6 Claims. (Cl. 308—169)

1. In a spindle structure for spinning and twister frames, the combination of a spindle base having an oil well therein, an upright spindle blade mounted in said well, a bolster in said base supporting said blade in its operative position, said bolster having an outlet for the oil at a point at which a relatively high pressure is created in the oil between the blade and the bolster bearing surface due to the rotation of the blade, said bolster being provided with an internal channel



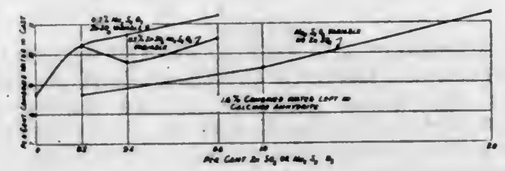
for conducting the oil from said outlet along a path outside the internal bearing surface of the bolster to a point above the gravity level of the oil in said well but spaced widely from the top of the bolster and there delivering it to said surface.

2,410,389
FREQUENCY DIVIDER
Ernst Norrman, Delavan, Wis., assignor to George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application February 26, 1943, Serial No. 477,237
10 Claims. (Cl. 250—36)



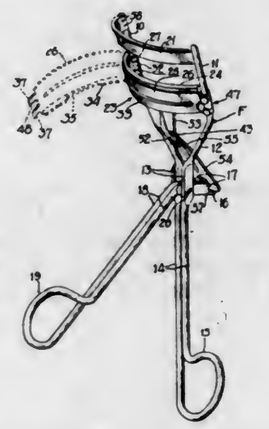
7. In a frequency divider, an oscillator comprising a space discharge device, a tuned circuit coupled to the plate of said device, a grid circuit for said device coupled to said tuned circuit, whereby current changes in said tuned circuit produce grid voltages in said grid circuit, a high resistance in said grid circuit, a control circuit extending to the grid of said device, a high resistance in said control circuit, said resistances being connected together at said grid and means for transmitting control voltages over said control circuit to control said oscillator at a frequency which is a sub-multiple of the frequency of said control voltages, the values of said resistances being so proportioned that the control voltage impressed on said grid by said control circuit is not more than 30% of the voltage impressed on said grid by said grid circuit.

2,410,390
QUICK-SETTING ANHYDRITE AND ITS MANUFACTURE
Lewis A. Paley, Glen Ellyn, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application July 5, 1941, Serial No. 401,212
1 Claim. (Cl. 106—109)



A plastic mixture suitable for molding purposes, comprising calcined anhydrite, zinc sulfate, sodium thiosulfate, glue and water.

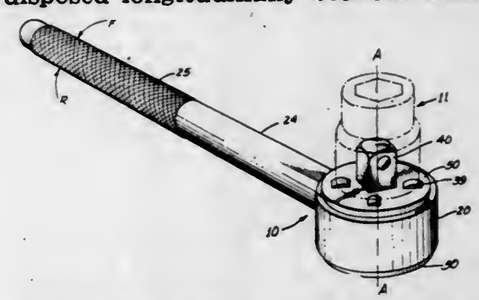
2,410,391
EYELASH CURLER
Charles M. Palmer, Washington, D. C.
Application May 10, 1944, Serial No. 534,845
28 Claims. (Cl. 132—32)



14. In an eyelash curler, a casing having a rear wall having a forwardly extending flange, a resilient pad removably seated on said flange and disposed against said wall, spaced and alined sockets extending from said wall, said casing having a swingable door having a bearing interposed between said sockets, spaced and alined ears extending from said wall, a pair of spaced posts for slidably guiding said sockets and ears, said bearing being mounted on one of said posts and rotatable and slidable thereon; a latch rotatably mounted on the other post of said pair and guided between said ears, keeper means extending from said door for removably interlocking with said latch to hold said door closed to sustain said pad against said wall, a bar secured to said posts, a link connected to said flange, and pivoted means for driving said link to displace said casing towards or away from said bar.

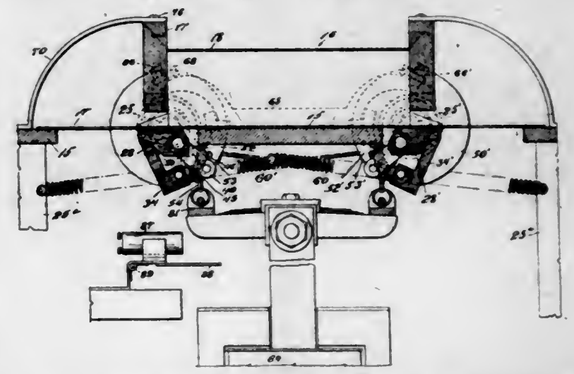
2,410,392
WRENCH
Clayton L. Rich, Los Angeles, Calif.
Application February 26, 1945, Serial No. 579,698
4 Claims. (Cl. 192—44)

1. A wrench comprising: a housing element provided with a longitudinally-directed, circular bore therethrough defining a peripheral wall; an end plate adjacent each end of said housing element adapted to enclose said bore, each of said end plates having a centrally-located, polygonal hole therethrough; a restraining member adjacent each side of said polygonal hole disposed longitudinally within said bore, each end of each restraining member being attached to one of said end plates; a drive member of a polygonal cross section complementary to said polygonal holes, said drive member being longitudinally slidable through said polygonal holes and said bore and extending longitudinally from said bore; and a roller disposed longitudinally between each face



of said polygonal drive member and said peripheral wall adjacent one of said restraining members, said rollers being adapted to engage said faces and said peripheral wall to prevent relative motion thereof during forward rotation of said housing element, and being adapted to engage said restraining members during rearward rotation of said housing element to prevent engagement of said rollers with said faces and said peripheral wall simultaneously whereby relative motion thereof is permitted.

2,410,393
BOX END FOLDING MACHINE
Albert H. Rines, Amesbury, and John Hardy and Daniel J. O'Keefe, Newburyport, Mass., assignors to Hytron Corporation, a corporation of Massachusetts
Application March 16, 1944, Serial No. 526,742
10 Claims. (Cl. 93—49)

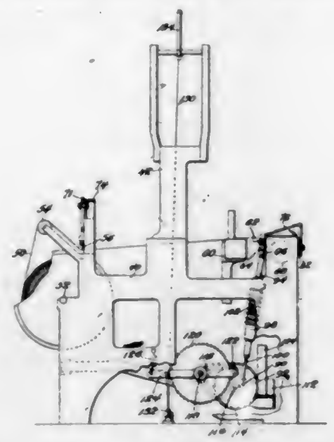


1. In a box end folding machine, a support for the box, box end engaging means comprising a pair of movable members, means for initially moving said members together for movement of the box end and subsequently stopping one of said members while the other member continues to move the box end into final position.

2,410,394
MANUFACTURE OF TEXTILES
Lawrence Alexander Savage, Pelzer, S. C., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Application April 28, 1944, Serial No. 533,156
16 Claims. (Cl. 139—35)

1. The method of weaving which comprises inserting filling picks in a warp, and while weav-

ing is taking place moving the yarns of the warp in relation to the path of insertion of the filling picks while maintaining the same tension on the warp yarns across the warp in accordance with



a predetermined pattern of change to produce a fabric in which the angular relation of following filling picks to the perpendicular to a line extending in the direction of the warp changes in accordance with the dictation of said pattern.

2,410,395

ACID-CURING SYNTHETIC RESIN COMBINED WITH OLEFINE-SULFUR DIOXIDE POLYMER

Leonard Smidth, New York, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

No Drawing. Application August 4, 1942, Serial No. 453,552

7 Claims. (Cl. 260—42)

1. A composition comprising an incompletely-reacted acid-curing synthetic resin combined with a latent curing catalyst comprising an olefin-sulfur dioxide polymer.

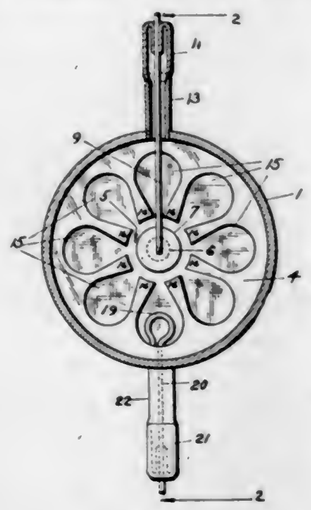
2,410,396

HIGH EFFICIENCY MAGNETRON

Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, West Newton, Mass., a corporation of Delaware

Application January 25, 1943, Serial No. 473,557

2 Claims. (Cl. 250—27.5)



2. An electron-discharge device comprising: a cathode; and an anode structure, spaced from said cathode, and including a plurality of anode members; each pair of adjacent anode members, together with that portion of said anode structure lying therebetween, defining a cavity resonator; each anode member having substantially straight side walls which converge for an appreciable distance between the inner and outer ends thereof.

2,410,397

PREPARATION OF ARYLIDES OF AROMATIC ORTHO-HYDROXY CARBOXYLIC ACIDS

Robert H. Weiss, Plainfield, and Andrews C. Wintringham, Glen Ridge, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 26, 1943, Serial No. 488,591

20 Claims. (Cl. 260—559)

1. In a method of isolating an arylide of an aromatic orthohydroxy carboxylic acid from a reaction mixture resulting from the reaction of the hydroxy acid with an aromatic amine in the presence of a condensing agent, the improvement which comprises neutralizing any acid present and effecting filtration in the presence of an inert organic solvent for tarry impurities selected from the group consisting of liquid hydrocarbons of the benzene series and liquid chlorinated hydrocarbons, the amount of the solvent being from 25 to 200% by weight of the arylide.

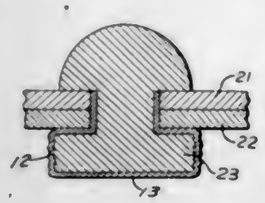
2,410,398

RIVET

Lewis E. Williams, Jr., and Paul L. Smith, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.

Application August 24, 1945, Serial No. 612,424

8 Claims. (Cl. 85—37)



1. A rivet comprising: a shank; a head formed at one end of said shank; and means surrounding and snugly engaging the shank and at least a portion of the end face thereof, said means being formed of a relatively soft material easily deformed during the rivet-upsetting operation, whereby the material thereof flows into and seals the joint held by the rivet when the latter is upset.

2,410,399

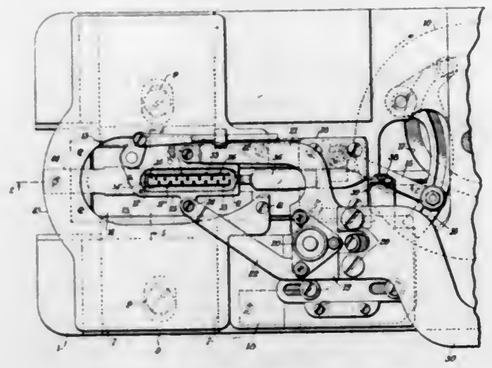
WORK CLAMP FOR SEWING MACHINES

Alfred R. Wood, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application May 23, 1945, Serial No. 595,269

17 Claims. (Cl. 112—114)

1. In a sewing machine, in combination, stitch-forming mechanism including a reciprocatory needle, a work-clamp provided with a needle-clearance opening, means for relatively moving said needle and work-clamp lengthwise of the work-clamp opening, a work-presser disposed within said opening of the work-clamp and provided with a needle-clearance slot, and supporting means providing for relative movement of said



work-clamp and work-presser lengthwise of said needle-clearance opening of the work-clamp.

2,410,400

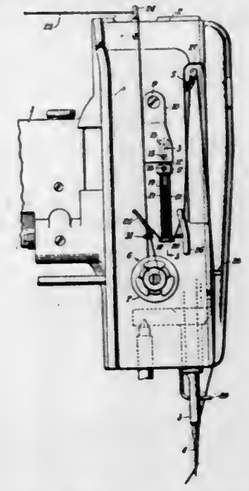
THREAD CONTROLLING DEVICE

Alfred R. Wood, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application June 15, 1945, Serial No. 599,584

5 Claims. (Cl. 112—247)

1. A yielding thread-guide for sewing machines comprising a mounting means, a post having one end portion thereof carried by said mounting means and being provided with a transverse thread-slot extending longitudinally through the other end portion of said post, a thread-engaging element freely slidable endwise of said post, a stop associated with the slotted end of the post, and spring means carried by said



post for urging said thread-engaging means toward said stop.

2,410,401

PREPARATION OF A THIOPHENE

Donald Drake Coffman, Lindamere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 22, 1942, Serial No. 462,992

12 Claims. (Cl. 260—329)

2. A process for the preparation of a thiophene which comprises reacting a conjugated diene hydrocarbon in the gaseous state with sulfur vapor by contacting the hydrocarbon with the sulfur vapor at a temperature between 445° C. and the thermal decomposition temperature of the conjugated diene.

DESIGNS

OCTOBER 29, 1946

145,830
DESIGN FOR A LADLE
Roberta H. Abel, Jeffersontown, Ky.
Application December 22, 1945, Serial No. 124,958
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a ladle, as shown.

145,831
DESIGN FOR A COMBINED WRIST WATCH AND HOLDER STRAP THEREFOR
Claude Arpels, New York, N. Y.
Application August 2, 1946, Serial No. 132,227
Term of patent 3½ years
(Cl. D42—8)



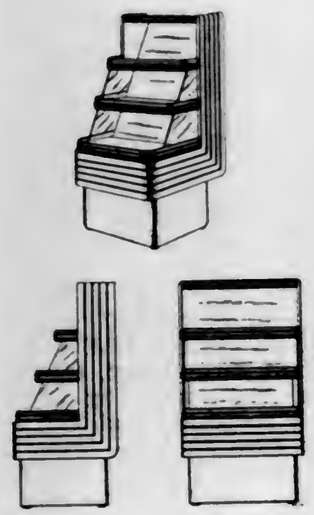
The ornamental design for a combined wrist watch and holder strap therefor, substantially as shown.

145,832
DESIGN FOR A MAIL BOX OR SIMILAR ARTICLE
Ralph E. Burt, Longmeadow, Mass.
Application June 20, 1946, Serial No. 130,890
Term of patent 7 years
(Cl. D74—9)



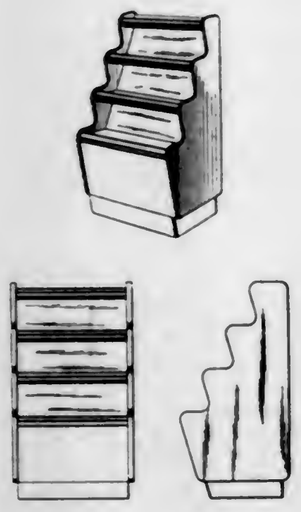
The ornamental design for a mail box or similar article, as shown.

145,833
DESIGN FOR A SHOWCASE
Henry C. Chase, Chicago, Ill.
Application December 15, 1945, Serial No. 124,758
Term of patent 14 years
(Cl. D80—11)



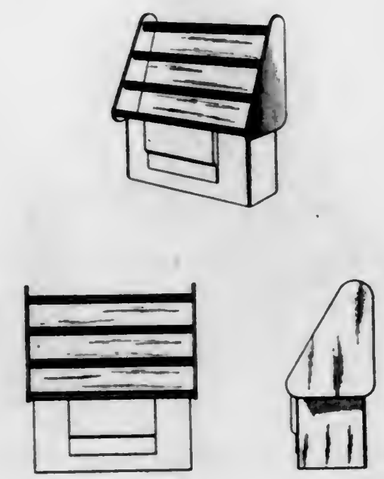
The ornamental design for a showcase, substantially as shown.

145,834
DESIGN FOR A SHOWCASE
Henry C. Chase, Chicago, Ill.
Application December 15, 1945, Serial No. 124,759
Term of patent 14 years
(Cl. D80—11)



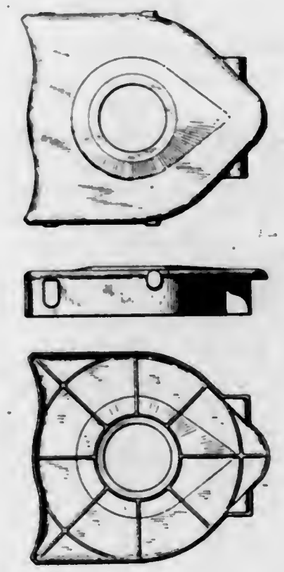
The ornamental design for a showcase, substantially as shown.

145,835
DESIGN FOR A SHOWCASE
Henry C. Chase, Chicago, Ill.
Application December 15, 1945, Serial No. 124,760
Term of patent 14 years
(Cl. D80—11)



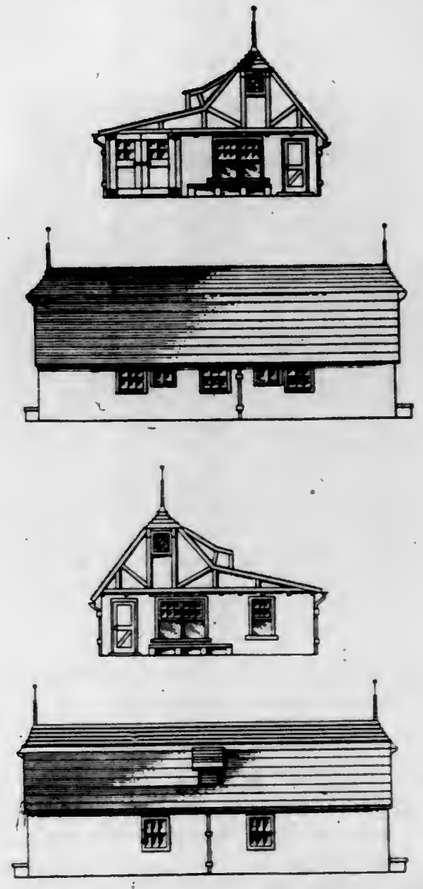
The ornamental design for a showcase, substantially as shown.

145,836
DESIGN FOR A ROTARY MOWER HOUSING
Joel G. Doyle, Kansas City, Mo.
Application December 22, 1945, Serial No. 124,967
Term of patent 14 years
(Cl. D40—1)



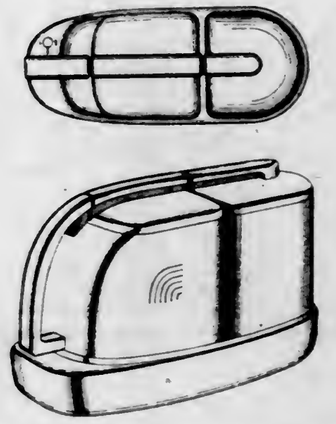
The ornamental design for a rotary mower housing, substantially as shown.

145,837
DESIGN FOR A BUILDING
William A. Fennell, Huntington Park, Calif., assignor to Little Castles, Incorporated, a corporation of Delaware
Application October 8, 1945, Serial No. 122,666
Term of patent 14 years
(Cl. D13—1)



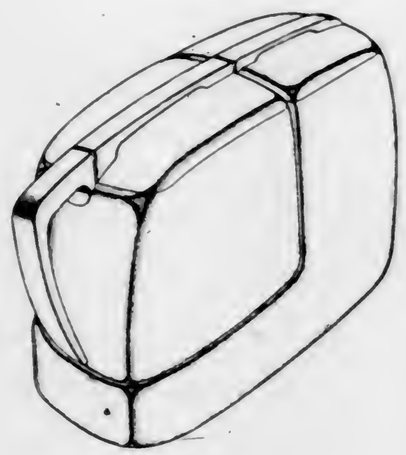
The ornamental design for a building, as shown.

145,838
DESIGN FOR AN ELECTRIC COFFEE MAKER
Gordon W. Florian, Bridgeport, Conn., assignor to Reeves-Ely Laboratories, Inc., New York, N. Y.
Application June 27, 1945, Serial No. 120,361
Term of patent 14 years
(Cl. D44—26)



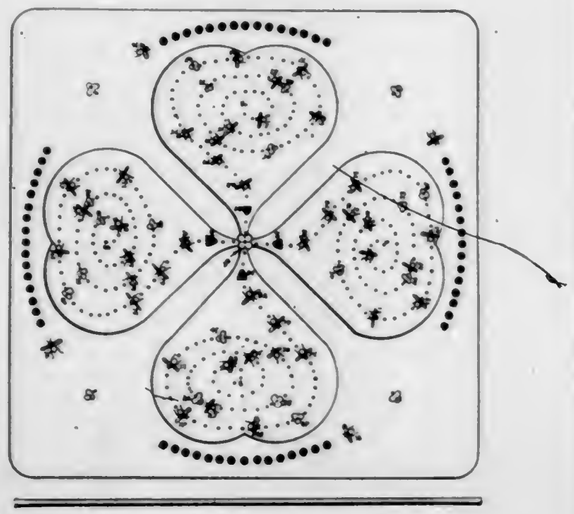
The ornamental design for an electric coffee maker, substantially as shown and described.

145,839
DESIGN FOR A COFFEE MAKER
Gordon W. Florian, Trumbull, Conn., assignor to General Electric Company, a corporation of New York
Application October 15, 1945, Serial No. 122,830
Term of patent 14 years
(Cl. D44—26)



The ornamental design for a coffee maker, substantially as shown and described.

145,840
DESIGN FOR A GAME BOARD
Dan Fillson and David Bud Crollard, Fairbanks, Territory of Alaska
Application December 22, 1945, Serial No. 124,954
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game board, as shown.

145,841
DESIGN FOR A STATUETTE
Frederic J. Frechette, Sr., and Frederic J. Frechette, Jr., Charleston, S. C.
Application January 12, 1946, Serial No. 125,495
Term of patent 14 years
(Cl. D29—23)



The ornamental design for a statuette, as shown and described.

145,842
DESIGN FOR A BROOCH
Frank J. Gargano, Providence, R. I.
Application February 12, 1946, Serial No. 126,494
Term of patent 3½ years
(Cl. D45—19)



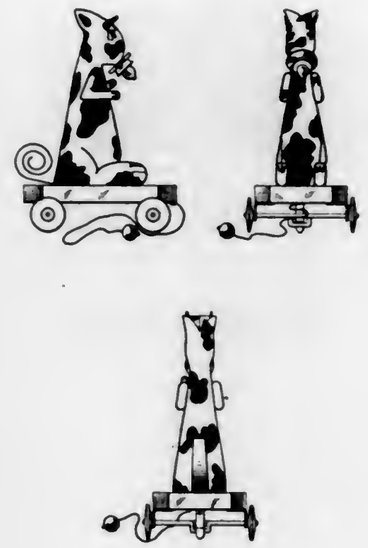
The ornamental design for a brooch, as shown.

145,843
DESIGN FOR A DRESS
David M. Goodstein, New York, N. Y.
Application July 23, 1946, Serial No. 131,828
Term of patent 3½ years
(Cl. D3—26)



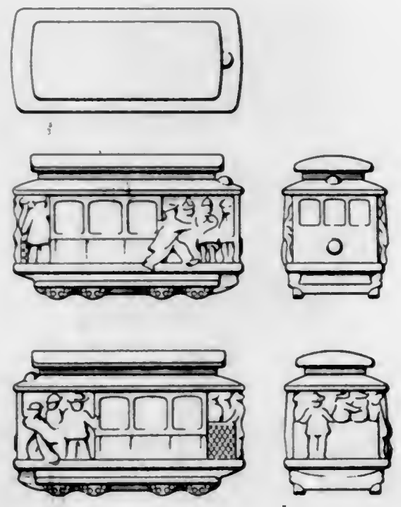
The ornamental design for a dress, substantially as shown.

145,844
DESIGN FOR A PULL TOY OR SIMILAR ARTICLE
Jane F. Griffith, New York, N. Y.
Application April 4, 1946, Serial No. 128,280
Term of patent 3½ years
(Cl. D34—15)



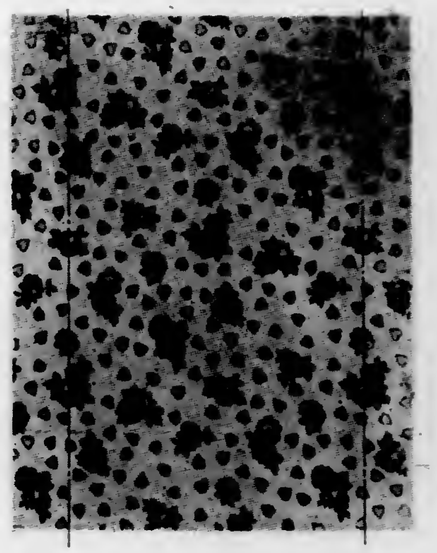
The ornamental design for a pull toy or similar article, substantially as shown.

145,845
DESIGN FOR A CONTAINER FOR CANDY, PERFUME, FLOWERS, AND THE LIKE
King Harrington, San Francisco, Calif.
Application December 5, 1945, Serial No. 124,371
Term of patent 14 years
(Cl. D58—11)



The ornamental design for a container for candy, perfume, flowers and the like, as shown.

145,846
DESIGN FOR A PRINTED FABRIC
Ethel S. Kales, Los Angeles, Calif.
Application May 3, 1946, Serial No. 129,237
Term of patent 3½ years
(Cl. D92—1)



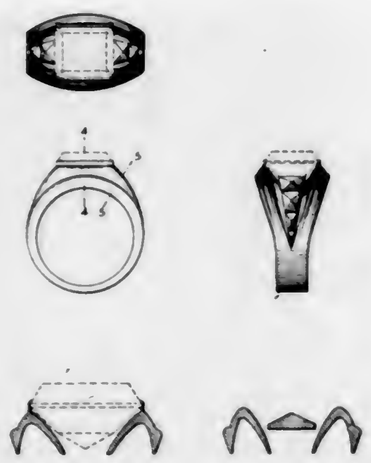
The ornamental design for a printed fabric, as shown and described.

145,847
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 126,843
Term of patent 7 years
(Cl. D45—19)



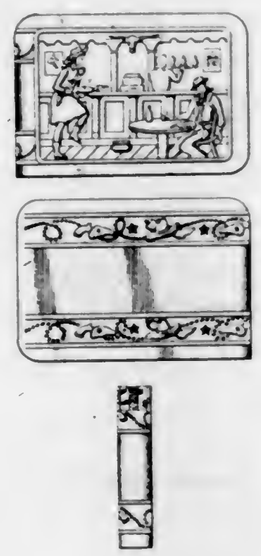
The ornamental design for a brooch or similar article, substantially as shown.

145,848
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
Albert Nalick, Los Angeles, Calif.
Application March 16, 1946, Serial No. 127,576
Term of patent 7 years
(Cl. D45—10)



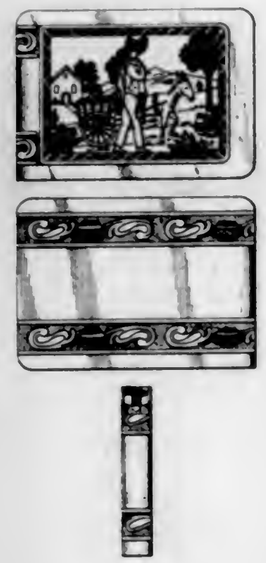
The ornamental design for a finger ring or similar article, substantially as shown.

145,849
DESIGN FOR A WALLET
Charles Panzer, New York, N. Y.
Application November 13, 1945, Serial No. 123,691
Term of patent 3½ years
(Cl. D87—3)



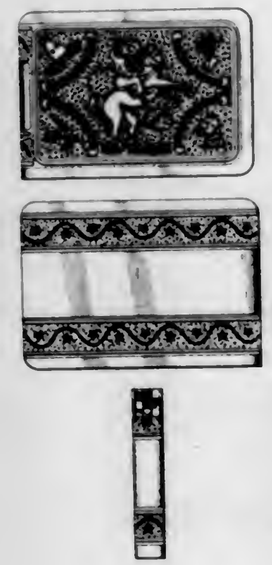
The ornamental design for a wallet, as shown.

145,850
DESIGN FOR A WALLET
Charles Panzer, New York, N. Y.
Application December 3, 1945, Serial No. 124,283
Term of patent 3½ years
(Cl. D87—3)



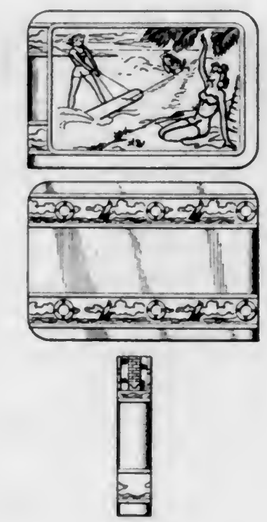
The ornamental design for a wallet, as shown.

145,851
DESIGN FOR A WALLET
Charles Panzer, New York, N. Y.
Application December 3, 1945, Serial No. 124,284
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a wallet, as shown.

145,852
DESIGN FOR A WALLET
Charles Panzer, New York, N. Y.
Application December 15, 1945, Serial No. 124,781
Term of patent 3½ years
(Cl. D87—3)



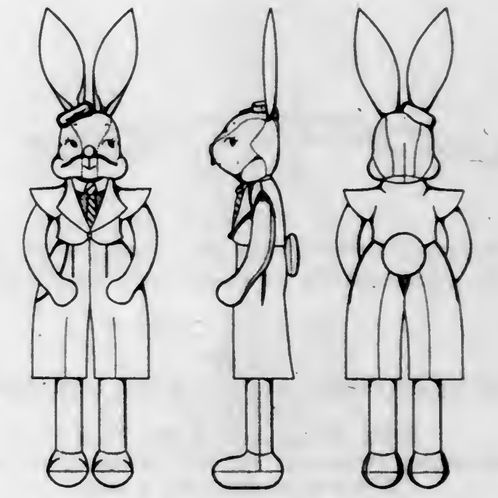
The ornamental design for a wallet, as shown.

145,853
DESIGN FOR A WALLET
Charles Panzer, New York, N. Y.
Application December 15, 1945, Serial No. 124,782
Term of patent 3½ years
(Cl. D87—3)



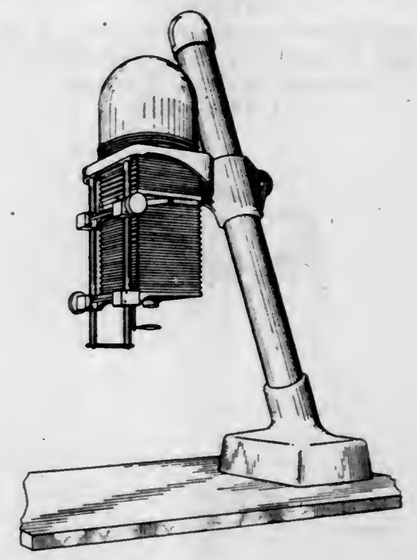
The ornamental design for a wallet, as shown.

145,854
DESIGN FOR A TOY ANIMAL FIGURE OR SIMILAR ARTICLE
Mary Lu Quinby, Los Angeles, Calif.
Application July 11, 1946, Serial No. 131,510
Term of patent 14 years
(Cl. D34—2)



The ornamental design for a toy animal figure or similar article, substantially as shown.

145,855
DESIGN FOR A PHOTOGRAPHIC ENLARGER
Karl Racine, Houston, and Vernon P. Shelton, San Antonio, Tex., assignors to National Instrument Corporation, Houston, Tex., a corporation of Texas
Application January 3, 1946, Serial No. 125,254
Term of patent 14 years
(Cl. D61—1)



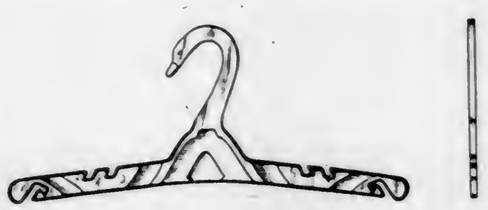
The ornamental design for a photographic enlarger, substantially as shown and described.

145,856
DESIGN FOR A HANGER OR SIMILAR ARTICLE
Julia Read, New York, N. Y.
Application February 9, 1946, Serial No. 126,416
Term of patent 3½ years
(Cl. D80—8)



The ornamental design for a hanger or similar article, substantially as shown and described.

145,857
DESIGN FOR A HANGER OR SIMILAR ARTICLE
Julia Read, New York, N. Y.
Application February 9, 1946, Serial No. 126,417
Term of patent 3½ years
(Cl. D80—8)



The ornamental design for a hanger or similar article, substantially as shown and described.

145,858
DESIGN FOR A TOY TABLE OR SIMILAR ARTICLE
Irving Rosenbloom, New York, N. Y.
Application January 9, 1946, Serial No. 125,392
Term of patent 7 years
(Cl. D34—15)





The ornamental design for a toy table or similar article, substantially as shown.

145,859
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application March 8, 1946, Serial No. 127,255
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,860
DESIGN FOR A PLAQUE OR SIMILAR ARTICLE
Joseph Russo, New York, N. Y.
Application June 22, 1945, Serial No. 120,242
Term of patent 14 years
(Cl. D29—23)



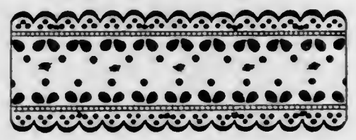
The ornamental design for a plaque or similar article, as shown.

145,861
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application July 6, 1946, Serial No. 131,344
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered trimming or similar article, substantially as shown.

145,862
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application July 16, 1946, Serial No. 131,606
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered trimming or similar article, substantially as shown.

145,863
DESIGN FOR A CIGARETTE SERVER
Fred Zimbalist, Cleveland Heights, Ohio
Application December 22, 1945, Serial No. 125,018
Term of patent 7 years
(Cl. D85—2)



The ornamental design for a cigarette server, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Brick Company, Fort Worth, Tex. Fire brick and refractory shapes. Serial No. 504,142; Oct. 29. Class 12.

Aerojet Engineering Corporation, Pasadena, Calif. Thrust motors. Serial No. 479,744; Oct. 29. Class 23.

Amco Athletic Apparel Corporation, Brooklyn, N. Y. Articles made of felt and chenille. Serial No. 497,058; Oct. 29. Class 50.

American Breddo Corp., New York, N. Y. Emulsifier. Serial No. 501,490; Oct. 29. Class 46.

American Lava Corporation, Chattanooga, Tenn. High dielectric constant ceramics. Serial No. 489,431; Oct. 29. Class 21.

American Varnish Company, The, Chicago, Ill. Linoleum lacquer. Serial No. 497,767; Oct. 29. Class 16.

Ampco Metal, Inc., Milwaukee, Wis. Electric terminals and contacts; electric trolley shoes, electric switch contacts. Serial No. 492,020; Oct. 29. Class 21.

Ampco Metal, Inc., Milwaukee, Wis. Spot welding tips and resistance welding electrodes. Serial No. 492,022; Oct. 29. Class 21.

Ams, Max, Inc., New York, N. Y. Tea. Serial No. 498,975; Oct. 29. Class 46.

Associated Merchandising Corporation, New York, N. Y. Misses' and girls' dresses, coats, suits, etc. Serial No. 488,684; Oct. 29. Class 39.

B. B. Yarn Co., New York, N. Y. Woolen yarns. Serial No. 497,913; Oct. 29. Class 43.

Bangor Mills, Inc., Bangor, Pa. Window curtains, draperies, and bedspreads. Serial No. 489,251; Oct. 29. Class 42.

Barnstead Still and Sterilizer Co., Boston, Mass. Water demineralizing apparatus of the filter type. Serial No. 495,210; Oct. 29. Class 31.

Bernard Edward Co., Chicago, Ill. Drapery fixtures. Serial No. 497,171; Oct. 29. Class 13.

Caar Canning Company, Redkey, Ind. Canned tomatoes, canned tomato puree, canned tomato juice, etc. Serial No. 485,191; Oct. 29. Class 46.

Cal-Cap Fisheries, Wilmington, Calif. Canned fish. Serial No. 492,820; Oct. 29. Class 46.

Carborundum Company, The, Niagara Falls, N. Y. Sheet material coated with abrasive grain. Serial No. 497,780; Oct. 29. Class 4.

Carney Rockwool Co., Mankato, Minn. Rockwool insulation batts. Serial No. 501,308; Oct. 29. Class 12.

Casey, Dennis A., New Orleans, La. Meat sandwiches. Serial No. 494,953; Oct. 29. Class 46.

Cavalcade Products, New York, N. Y. Radio receiving sets. Serial No. 484,616; Oct. 29. Class 21.

Character Foundations: *See*—
Kress, Herman.

Childhood Interests, Inc., Roselle, N. J. Exercisers for babies. Serial No. 505,334; Oct. 29. Class 22.

Church & Dwight Co., Inc., New York, N. Y. Bicarbonate of soda and sal soda. Serial No. 493,536; Oct. 29. Class 6.

Church & Dwight Co., Inc., New York, N. Y. Bicarbonate of soda and baking soda. Serial No. 493,537; Oct. 29. Class 6.

Clayborne Manufacturing Company, Chicago, Ill. Engine overhaul stands. Serial No. 500,945; Oct. 29. Class 23.

Cohen, Jack, New York, N. Y. Slacks, blouses, jackets, etc. Serial No. 499,695; Oct. 29. Class 39.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Household cleanser. Serial No. 495,591; Oct. 29. Class 4.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap and household cleanser. Serial No. 495,592; Oct. 29. Class 4.

College Inn Food Products Company, Chicago, Ill. Canned chili beans in tomato sauce, and chili con carne; also chili dinner. Serial No. 498,401; Oct. 29. Class 46.

Colonial Laboratories: *See*—
Katz Drug Company.

Concord Radio Corporation, Chicago, Ill. Radio and/or public address amplifying units. Serial No. 496,201; Oct. 29. Class 21.

Conn, C. G., Ltd., Elkhart, Ind. Stroboscopic apparatus. Serial No. 496,767; Oct. 29. Class 26.

Cooper, O. A., Co., The, Humboldt, Nebr. Poultry feeds. Serial No. 482,922; Oct. 29. Class 46.

Crystal Products, Inc., New York, N. Y. Processed cheese. Serial No. 501,719; Oct. 29. Class 46.

Culbreath, Ernest F., Charlotte, N. C. Automatic spinning controls. Serial No. 489,104; Oct. 29. Class 23.

Davidson, Edward M., New York, N. Y. Liquid preparation for coating soft or hard rubber. Serial No. 498,888; Oct. 29. Class 6.

Detroit Development & Manufacturing Company, Inc., Detroit, Mich. Portable electric novelty night lights. Serial No. 497,377; Oct. 29. Class 21.

De Tuvaché, M., assignor to Tuvaché Co., New York, N. Y. Cologne, hair lotion, and toilet water. Serial No. 477,547; Oct. 29. Class 6.

Diversey Corporation, The, assignee: *See*—
Trojan Products & Mfg. Co.

Dorsett-Jones, Inc., Baltimore, Md. Insecticides and insect sprays. Serial No. 499,996; Oct. 29. Class 6.

Durant Insulated Pipe Company: *See*—
Isenberg, Alexander H.

Economic Stampings Limited, Leicester, England. Chains being parts of knitting and textile machines, and parts thereof. Serial No. 485,945; Oct. 29. Class 23.

Electronic Corporation of America, New York, N. Y. Radio receiving sets and parts thereof. Serial No. 496,224; Oct. 29. Class 21.

Ellis Paint Company, Long Beach, Calif. Ready mixed paints, paint enamels, and varnishes. Serial No. 496,225; Oct. 29. Class 16.

Eloy Ranches, Inc., Eloy, Ariz. Fresh asparagus, fresh broccoli, fresh cabbage, etc. Serial No. 486,572; Oct. 29. Class 46.

Engelke Engineering: *See*—
Engelke, Herman G.

Engelke, Herman G., doing business as Engelke Engineering, Hartford, Wis. Stainless steel hose racks. Serial No. 496,550; Oct. 29. Class 13.

Faber, A. W., Inc., Newark, N. J. Combination brush and rubber eraser. Serial No. 489,729; Oct. 29. Class 37.

Fawcett Publications, Inc., Greenwich, Conn. Periodical publication. Serial No. 500,378; Oct. 29. Class 38.

Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Scientific devices. Serial No. 491,470; Oct. 29. Class 26.

Ferguson, Thomas S., Medina, N. Y. Wooden toys. Serial No. 490,425; Oct. 29. Class 22.

Firestone Tire & Rubber Company, The, Akron, Ohio. Home, automobile, and portable radio receiving sets and parts thereof, radio dry cell storage batteries. Serial No. 498,221; Oct. 29. Class 21.

Florence: *See*—
Lustig, Florence.

Foreman Fabrics Inc., New York, N. Y. Piece goods of rayon yarns. Serial No. 498,892; Oct. 29. Class 42.

Fuld, Paul A., Glen Burnie, Md. Push and pull wheel trundle toys. Serial No. 491,711; Oct. 29. Class 22.

G-M Laboratories, Inc., Chicago, Ill. Electric portable heater-fan combination. Serial No. 501,382; Oct. 29. Class 34.

Gailstyn Company, The, New York, N. Y. Ashtrays and cigarette boxes. Serial No. 499,131; Oct. 29. Class 8.

General Chemical Company, New York, N. Y. Insecticides. Serial No. 500,002; Oct. 29. Class 6.

Globe Leather Corporation, New York, N. Y. Leather. Serial No. 498,991; Oct. 29. Class 1.

Grain Materials, Inc., Chicago, Ill. Dehydrated ground potatoes. Serial No. 501,505; Oct. 29. Class 46.

Grant, Joe, and Dick Huemer, Glendale, Calif. Cologne. Serial No. 497,176; Oct. 29. Class 6.

Greensboro Manufacturing Co., New York, N. Y. Women's and children's night gowns and pajamas. Serial No. 498,694; Oct. 29. Class 39.

Hafner Associates, Inc., New York, N. Y. Piece goods of cotton, wool, silk, etc. Serial No. 493,619; Oct. 29. Class 42.

Hall Brothers, Incorporated, Kansas City, Mo. Greeting cards. Serial No. 501,983; Oct. 29. Class 38.

Hawksbill Cannery, Luray, Va. Canned fruits and vegetables. Serial Nos. 501,129–30; Oct. 29. Class 46.

Health Builders, The: *See*—
Williams, Walden R.

Hemisphere Fabrics Corporation, New York, N. Y. Piece goods of silk, wool, cotton, etc. Serial No. 498,519; Oct. 29. Class 42.

Holly Shoe Company, Boston, Mass., and Littleton, N. H. Shoes. Serial No. 494,271; Oct. 29. Class 39.

Imperial Knife Company, Inc., Providence, R. I. Pocket knives. Serial No. 467,318; Oct. 29. Class 23.

Inland Container Corporation, Indianapolis, Ind. Corrugated paperboard boxes. Serial No. 472,458; Oct. 29. Class 2.

International Nickel Company, Inc., The, New York, N. Y. Coated welding electrodes. Serial No. 497,246; Oct. 29. Class 14.

Isenberg, Alexander H., doing business as Durant Insulated Pipe Company, Palo Alto, Calif. Thermal insulated pipe fittings and separate parts. Serial No. 486,530; Oct. 29. Class 13.

Island Equipment Corp., New York, N. Y. Conveyor apparatus of the endless belt type. Serial Nos. 496,143–5; Oct. 29. Class 23.

Jarman-Williamson Company, Portland, Oreg. Collapsible carts. Serial No. 490,662; Oct. 29. Class 22.

Jensen, Charles A., doing business as Midland Manufacturing Co., Buffalo, N. Y. Penetrating oil. Serial No. 489,178; Oct. 29. Class 6.

Kane, Irwin E., Providence, R. I. Electrical vacuum cleaners. Serial No. 499,840; Oct. 29. Class 21.

Katz Drug Company, doing business as Colonial Laboratories, Kansas City, Mo. Detergent preparation. Serial No. 477,704; Oct. 29. Class 4.

Keystone Flashing Company: *See*—
Orth, Herbert P.

Kress, Herman, doing business as Character Foundations, New York, N. Y. Corsets and girdles. Serial No. 501,513; Oct. 29. Class 39.

Kurihara, Don, Orosi, Calif. Fresh vegetables. Serial No. 491,414; Oct. 29. Class 46.

Land O'Sun Dairies, Inc., Miami Beach, Fla. Fresh milk and ice cream. Serial No. 493,860; Oct. 29. Class 46.

Lauralu Company, assignor to Laura-Lu Company, Inc., New York, N. Y. Women's, misses', and children's play suits, pajamas, housecoats, etc. Serial No. 499,841; Oct. 29. Class 39.

Laura-Lu Company, Inc., assignee: *See*—
Lauralu Company.

Leduc, Marcel, Rochester, N. Y. Deodorants. Serial No. 493,132; Oct. 29. Class 6.

Library of International Relations, Chicago, Ill. Monthly index of selected materials on foreign affairs. Serial No. 500,810; Oct. 29. Class 38.

Lord Jeff Knitting Company Incorporated, New York, N. Y. Sweaters, mufflers and cotton basque shirts. Serial No. 500,400; Oct. 29. Class 39.

Lustig, Florence, doing business as Florence, New York, N. Y. Women's cingles. Serial No. 478,330; Oct. 29. Class 39.

Lystad & Redick, East Grand Forks, Minn., and Devils Lake, N. Dak., assignor to Lystad & Redick, Inc., East Grand Forks, Minn. Chemical disinfectant, deodorant, and germicidal material, etc. Serial No. 475,916; Oct. 29. Class 6.

Lystad & Redick, Inc., assignee: *See*—
Lystad & Redick.

Magid Handbags, New York, N. Y. Handbags. Serial No. 493,790; Oct. 29. Class 3.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electrical contacts. Serial No. 488,913; Oct. 29. Class 21.

Man of Manhattan, Inc, New York, N. Y. Men's toiletries. Serial No. 491,652; Oct. 29. Class 6.

Mason Tackle, Otisville, Mich. Fishing line leaders. Serial No. 504,117; Oct. 29. Class 22.

Maxan Garment Co., New York, N. Y. Bridal negligees, nightgowns, and combinations thereof. Serial No. 501,465; Oct. 29. Class 39.

Mentone Heights Association, Mentone, Calif. Fresh citrus fruits. Serial No. 501,136; Oct. 29. Class 46.

Mentone Heights Association, Mentone, Calif. Fresh citrus fruits. Serial No. 501,519; Oct. 29. Class 46.

Michigan Products Company, Mount Clemens, Mich. Nursing bottle holders. Serial No. 493,138; Oct. 29. Class 44.

Midland Manufacturing Co.: *See*—
Jensen, Charles A.

Monsanto Chemical Company, St. Louis, Mo. Stabilizing agents. Serial No. 501,522; Oct. 29. Class 46.

Morrissey, Stephen J., Rapid City, S. Dak. Trailer-type, mobile powered cranes. Serial No. 491,928; Oct. 29. Class 23.

Mulder, William H., Grand Rapids, Mich. Playing cards. Serial No. 508,739; Oct. 29. Class 22.

Myers, D. E., doing business as Earle Myers Co., Oceano, Calif. Fresh vegetables. Serial No. 501,260; Oct. 29. Class 46.

Myers, Earle, Co.: *See*—
Myers, D. E.

National Jet Company, Cumberland, Md. Drills, punches, reamers, etc. Serial No. 499,850; Oct. 29. Class 23.

National Paper Box Co. Inc., West Springfield, Mass. Set up doll houses. Serial No. 506,335; Oct. 29. Class 22.

New England Bedding Co., Medford, Mass. Frame hammocks. Serial No. 505,979; Oct. 29. Class 32.

Northwest Metal Products, Inc., Seattle, Wash. Garbage cans, garbage pails, water pails, etc. Serial No. 502,915; Oct. 29. Class 2.

Nukem Products Corporation, Buffalo, N. Y. Acid and alkali proof plastic paint product. Serial No. 496,516; Oct. 29. Class 16.

O'Donnell Shoe Corporation, Humboldt, Tenn. Footwear. Serial No. 486,433; Oct. 29. Class 39.

Olin, Oscar C., doing business as Olin Products Co., Hartsdale, N. Y. Depilatories, deodorant and anti-perspirant, etc. Serial No. 488,919; Oct. 29. Class 6.

Olin Products Co.: *See*—
Olin, Oscar C.

Olson Manufacturing Company, Boise, Idaho. Power operated lifts and hoists. Serial No. 493,020; Oct. 29. Class 23.

Organic Factor & Chemical Company, and also doing business as Organic Factors and Chemicals, South San Francisco, Calif. Mixture of sheep manure and peat moss. Serial No. 496,098; Oct. 29. Class 10.

Organic Factors and Chemicals: *See*—
Organic Factor & Chemical Company.

Orth, Herbert P., doing business as Keystone Flashing Company, Philadelphia, Pa. Metal closed or friction type gutters forming receivers for flashings. Serial No. 498,250; Oct. 29. Class 12.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Bagatelle type of game. Serial No. 505,120; Oct. 29. Class 22.

Patek Manufacturing Corp., Jackson Heights, Long Island, N. Y. Pull, and spring wound animated toys. Serial No. 505,980; Oct. 29. Class 22.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. Serial Nos. 503,218–19; Oct. 29. Class 46.

Plastiform Co.: *See*—
Sawicki, Sophie C.

Pollak, Henry, Inc., New York, N. Y. Hat braids. Serial No. 487,795; Oct. 29. Class 40.

Protection Products Co., Chicago, Ill. Furniture slip covers, furniture seat covers, made of cloth, rayon, leather, and/or combinations thereof, etc. Serial No. 490,854; Oct. 29. Class 32.

Rainwear Supply, Inc., Passaic, N. J. Pliable plastic sheeting. Serial No. 491,430; Oct. 29. Class 42.

Reliable Shoulder Pad, New York, N. Y. Camisoles equipped with shoulder pads. Serial No. 496,162; Oct. 29. Class 39.

Reliance Textile Co., New York, N. Y. Window drapes, window curtains, blankets, etc. Serial No. 483,926; Oct. 29. Class 42.

Revlon Products Corporation, New York, N. Y. Nail enamel, lipsticks, face powder and rouge. Serial No. 494,235; Oct. 29. Class 6.

St. Louis Independent Packing Company, St. Louis, Mo. Butter, cheese, eggs, etc. Serial No. 494,461; Oct. 29. Class 46.

San Fernando Fruit Growers Association, San Fernando, Calif. Fresh citrus fruits. Serial No. 501,411; Oct. 29. Class 46.

Sani-Hanky Company, Portland, Oreg. Paper handkerchiefs. Serial No. 493,876; Oct. 29. Class 37.

Santa Maria Distributors, Santa Maria, Calif. Fresh vegetables. Serial No. 501,283; Oct. 29. Class 46.

Saponified Products Company, Inc., Oakland, Calif. Preparation for cleaning and protecting the skin. Serial No. 495,911; Oct. 29. Class 4.

Sewicki, Sophie C., doing business as Plastiform Co., Brooklyn, N. Y. Bassinets. Serial No. 504,394; Oct. 29. Class 32.

Shannon Hosiery Mills, Inc., Columbus, Ga. Hosiery. Serial No. 501,778; Oct. 29. Class 39.

Shindler, James T., Hempstead, Tex. Motor vehicle lifting jacks. Serial No. 495,995; Oct. 29. Class 23.

Sibley, Edward L., Manufacturing Company, Inc., Bennington, Vt. Presses or machines for setting and removing eyelets. Serial No. 499,861; Oct. 29. Class 23.

Simon Mattress Manufacturing Co., San Francisco, Calif. Mattresses, pillows, box springs, etc. Serial No. 487,645; Oct. 29. Class 32.

Societe Rhodiaceta, Paris, France. Thread and yarn. Serial No. 494,940; Oct. 29. Class 43.

Sonneborn, L., Sons, Inc., New York, N. Y. Surface active liquid composition. Serial No. 484,984; Oct. 29. Class 6.

Southern Cotton Oil Company, The, New Orleans, La. Shortening compound. Serial No. 484,916; Oct. 29. Class 46.

Southern Spring Bed Company, Atlanta, Ga. Mattresses. Serial No. 508,752; Oct. 29. Class 32.

Spiegel, Inc., Chicago, Ill. Textile yard goods, upholstery fabrics in the piece, and drapery material in the piece, etc. Serial No. 492,289; Oct. 29. Class 42.

Stanley, John T., Co., Inc., New York, N. Y. Wetting agent and cleanser. Serial No. 493,984; Oct. 29. Class 4.

Stapling Machines Co., Wilmington, Del., and Rockaway, N. J. Shipping containers. Serial No. 505,320; Oct. 29. Class 2.

Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. Serial No. 494,292; Oct. 29. Class 37.

Superba Cravats, Rochester, N. Y. Neckties. Serial No. 481,723; Oct. 29. Class 39.

Superior Engineering Company, North Hollywood, Calif. Combination appliance embodying a jigger, a corkscrew, and a bottle opener. Serial No. 495,913; Oct. 29. Class 23.

Taylor, Charles H., Springfield, Mass. Games. Serial No. 491,524; Oct. 29. Class 22.

Trojan Products & Mfg. Co., assignor to The Diversey Corporation, Chicago, Ill. Hand soap, polish (having water softening properties), etc. Serial No. 483,703; Oct. 29. Class 4.

Truax-Traer Coal Company, Chicago, Ill. Coal. Serial No. 496,673; Oct. 29. Class 1.

Tuvaché Co., assignee: *See*—
De Tuvaché, M.

Universal Products Corporation, Norristown, Pa. Portable electric diagnostic sets. Serial No. 491,601; Oct. 29. Class 44.

Wallace & Tiernan Products, Incorporated, Belleville, N. J. Pharmaceutical for preparation of cleansing and astringent solutions. Serial No. 499,524; Oct. 29. Class 6.

Wenger, George, New York, N. Y. Travelling cases. Serial No. 493,862; Oct. 29. Class 3.

Williams, Walden R., doing business as The Health Builders, Los Angeles, Calif. Booklet giving information on foods and diet. Serial No. 500,338; Oct. 29. Class 38.

Wilson Manufacturing Co., Inc., The, Boston, Mass. Coin purses and combination billfolds and coin purses. Serial No. 502,360; Oct. 29. Class 3.

Zitomer Chemists, Inc., New York, N. Y. Soap. Serial No. 496,357; Oct. 29. Class 4.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace-Hi Hat Reducer Mfg. Co.: *See*—
Miller, Irving B.

Ahalt, Floyd W., doing business as Lovely Dame Candy Shop, Hagerstown, Md. Candy. 220,340; renewed Nov. 9, 1946. O. G. Oct. 29. Class 46.

Aircraft Machinery Corporation, Burbank, Calif. Metal working machinery and parts thereof. 424,870; Oct. 29; Serial No. 482,191; published July 23, 1946. Class 23.

Airtronics Development Corporation, Dayton, Ohio. Plastics blocks. 425,067; Oct. 29. Class 22.

Alan's Baking Co.: *See*—
Goldman, Maurice.

Alexandrine, Paris, France. Gloves. 206,729; renewed Dec. 8, 1945. O. G. Oct. 29. Class 39.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Children's coats, suits, dresses, etc. 425,040–1; Oct. 29. Class 39.

Aloff, Alexander, doing business as Chicago Packing Company, Chicago, Ill. Smoked dried boneless fish. 424,897; Oct. 29; Serial No. 486,709; published Aug. 13, 1946. Class 46.

Alpena Leather Corporation, Buffalo, N. Y., to J. Greenebaum Tanning Co., Chicago, Ill. Full grained and buffed sole leather. 221,046; renewed Nov. 23, 1946. O. G. Oct. 29. Class 1.

American Cellulose & Chemical Manufacturing Company Ltd., The, to Celanese Corporation of America, New York, N. Y. Yarns and threads. 220,983; renewed Nov. 23, 1946. O. G. Oct. 29. Class 43.

American Cellulose & Chemical Manufacturing Company Ltd., The, to Celanese Corporation of America, New York, N. Y. Men's half hose. 221,247; renewed Nov. 23, 1946. O. G. Oct. 29. Class 39.

American Cereal Company, The, Akron, Ohio, Chicago, Ill., and Cedar Rapids, Iowa, to The Quaker Oats Company, Chicago, Ill. Prepared rice. 56,706; re-renewed Oct. 16, 1946. O. G. Oct. 29. Class 46.

American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Lawn mowers. 424,877; Oct. 29; Serial No. 482,962; published July 23, 1946. Class 23.

American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Lawn mowers. 424,878; Oct. 29; Serial No. 482,965; published July 23, 1946. Class 23.

American Device Manufacturing Co.: *See*—
American Device Manufacturing Company.

American Device Manufacturing Company, St. Louis, Mo., to American Device Manufacturing Co., Red Bud, Ill. Mail chutes and boxes. 214,,551; renewed June 29, 1946. O. G. Oct. 29. Class 2.

American Lady Specialties Mfg. Co.: *See*—
Vogel, William D.

American Medical Instrument Company, New York, N. Y. Surgical dressings, surgical forceps, surgical bandages, etc. 424,922; Oct. 29; Serial No. 490,050; published Aug. 13, 1946. Class 44.

American Road Machinery Company, Inc., to Good Roads Machinery Corporation, Kennett Square, Pa. Road-grading machines, rocks crushers, elevators, etc. 215, 404; renewed July 20, 1946. O. G. Oct. 29. Class 23.

American Safety Razor Corporation, Brooklyn, N. Y. Razor blades. 424,986; Oct. 29; Serial No. 495,783; published July 23, 1946. Class 23.

American Slicing Machine Company, Chicago, Ill. Slicing machinery. 220,685; renewed Nov. 16, 1946. O. G. Oct. 29. Class 23.

American Stencil Mfg. Co., Denver, Colo. Duplicating supplies. 424,927; Oct. 29; Serial No. 490,620; published Aug. 13, 1946. Class 37.

American Thread Company, The: *See*—
Leeson, J. R., & Co.

Andrew Forbes Incorporated, New York, N. Y. Ladies' and misses' hats. 425,042; Oct. 29. Class 39.

Anemostat Corporation of America, New York, N. Y. Diffuser type ventilating units. 424,882–3; Oct. 29; Serial Nos. 483,886–7; published Aug. 13, 1946. Class 34.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Ladies' handbags and shoulder bags. 425,021; Oct. 29; Serial No. 499,096; published Aug. 13, 1946. Class 3.

Arden Farms Co., Los Angeles, Calif. Dairy products. 425,043; Oct. 29. Class 46.

Aristocrat Leather Products, Inc., New York, N. Y. Wallets. 425,053; Oct. 29. Class 3.

Arrowhead Rubber Company, Vernon, Calif. Prefabricated duct sections. 424,941; Oct. 29; Serial No. 491,794; published Aug. 13, 1946. Class 34.

Art Steel Co. Inc., New York, N. Y. Certain named steel boxes and cases, and steel tills and trays. 220,881; renewed Nov. 16, 1946. O. G. Oct. 29. Class 2.

Associated Merchandising Corporation, New York, N. Y. Junior and girls' dresses, coats, suits, etc. 425,092; Oct. 29. Class 39.

Associated Pennsylvania Constructors, to Associated Pennsylvania Constructors, Harrisburg, Pa. Monthly magazine. 214,275; renewed June 15, 1946. O. G. Oct. 29. Class 38.

Associated Products, Inc.: *See*—
Miner, Henry C., Inc., Estate.

Automatic Pump & Softener Corporation, Rockford, Ill. Electric ozone generators and apparatus. 424,903; Oct. 29; Serial No. 487,758; published July 23, 1946. Class 21.

Barbour, Perley E., doing business as Barbour Welting Company, Montello Station, Brockton, to Barbour Welting Company, Brockton, Mass. Welting for boots and shoes. 210,413; renewed Mar. 16, 1946. O. G. Oct. 29. Class 39.

Barbour Welting Company: *See*—
Barbour, Perley E.

Barcalo Manufacturing Company, Buffalo, N. Y. Wrenches and pliers. 424,879; Oct. 29; Serial No. 482,969; published Jan. 15, 1946. Class 23.

Bardaniel, Frances Center: *See*—
Center, George H.

Baron Hartsough, Los Angeles, Calif. Electric speaker units. 424,909; Oct. 29; Serial No. 488,691; published Aug. 6, 1946. Class 21.

Basic Refractories, Inc., Cleveland, Ohio. Cementitious and moldable refractory preparations. 424,880; Oct. 29; Serial No. 483,604; published Aug. 13, 1946. Class 12.

Bastrup, Louis, and Kickham Scanlan, administrators of John B. Canepa, deceased, assignors to The John B. Canepa Company, Chicago, Ill. Macaroni, vermicelli, spaghetti, etc. 52,971; re-renewed May 22, 1946. O. G. Oct. 29. Class 46.

Bates, A. J., Co., to Bates Shoe Company, Webster, Mass. Leather shoes. 53,371; re-renewed June 5, 1946. O. G. Oct. 29. Class 39.

Bates Shoe Company: *See*—
Bates, A. J., Co.

Becton, Dickinson & Company, Rutherford, N. J. Device used for the collection of blood specimens. 424,957; Oct. 29; Serial No. 493,946; published Aug. 13, 1946. Class 44.

Behr, Herman, & Co., New York, to Behr-Manning Corporation, Troy, N. Y. Paper and cloth coated with abrasive material. 57,289; re-renewed Nov. 13, 1946. O. G. Oct. 29. Class 4.

Behr-Manning Corporation: *See*—
Behr, Herman, & Co.

Belgrade Fabrics, Inc., New York, N. Y. Synthetic rubber coated cotton textile fabrics in the piece. 424,904; Oct. 29; Serial No. 487,819; published Aug. 6, 1946. Class 42.

Bemis Bro. Bag Company, St. Louis, Mo. Waterproof bags. 424,930; Oct. 29; Serial No. 490,920; published Aug. 13, 1946. Class 2.

Bemis Bro. Bag Company, St. Louis, Mo. Fabric bags and sacks. 424,933; Oct. 29; Serial No. 491,056; published Aug. 13, 1946. Class 2.

Ben-Mont Papers, Inc.: *See*—
Bennington Wax Paper Company.

Bennington Wax Paper Company, to Ben-Mont Papers, Inc., Bennington, Vt. Wax paper, wax lunch rolls, dry and waxed shredded paper, etc. 218,610–13; renewed Sept. 28, 1946. O. G. Oct. 29. Class 37.

Berlin Tanning and Manufacturing Co., The, doing business as Lam-Skin Slipper Co., Berlin, Wis. Bedroom slippers, lounging shoes, and stadium boots. 425,047; Oct. 29. Class 39.

Best, Alfred M., Company, Inc., New York, N. Y. Monthly publication of which there are three separate editions. 220,151; renewed Nov. 2, 1946. O. G. Oct. 29. Class 38.

Best, John H., to John H. Best & Sons, Inc., Galva, Ill. Display-racks. 53,161; re-renewed May 29, 1946. O. G. Oct. 29. Class 32.

Best, John H., & Sons, Inc.: *See*—
Best, John H.

BIC Manufacturing Corporation, New York, N. Y. Clothes line supports, clothes line tighteners, and clothes line pulleys. 424,965; Oct. 29; Serial No. 494,300; published Aug. 6, 1946. Class 13.

Bissell Carpet Sweeper Company, Grand Rapids, Mich., and New York, N. Y., to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet-sweepers. 28,616; re-renewed July 14, 1946. O. G. Oct. 29. Class 23.

Blackhawk Mfg. Co., Milwaukee, Wis. Socket wrenches, box wrenches, open end wrenches, etc. 424,871; Oct. 29; Serial No. 482,457; published July 23, 1946. Class 23.

Black Star Coal Company, to Black Star Coal Corporation, Louisville, Ky. Coal. 221,212; renewed Nov. 23, 1946. O. G. Oct. 29. Class 1.

Black Star Coal Corporation: *See*—
Black Star Coal Company.

Blue Ridge Manufacturers, Incorporated, Baltimore, Md. Overalls, work pants, dungarees, etc. 424,969; Oct. 29; Serial No. 494,424; published Aug. 6, 1946. Class 39.

Bon Ami Company, The, New York, N. Y. Scouring soap. 218,840; renewed Oct. 5, 1946. O. G. Oct. 29. Class 4.

Bon Marche, The: *See*—
Allied Stores Corporation.

Bonomo, Joe, doing business as Bra-Zooms Company, New York, N. Y. Brassières. 424,924; Oct. 29; Serial No. 490,227; published July 16, 1946. Class 39.

Bra-Zooms Company: *See*—
Bonomo, Joe.

Bradley & Vrooman Company, Chicago, Ill. Ready-mixed paint. 219,837; renewed Oct. 26, 1946. O. G. Oct. 29. Class 16.

Brewers Scientific Laboratories, Rahway, N. J. Chemical substance of vegetable origin used exclusively in the clarification of beer and ale. 425,073; Oct. 29. Class 48.

British West Indies Co., New York, N. Y. Women's and misses' boots and shoes. 425,056; Oct. 29. Class 39.

Brooks, J. B., & Co. Ltd., Birmingham, England. Trunks, portmanteaus, traveling cases, etc. 424,898; Oct. 29; Serial No. 486,885; published Aug. 13, 1946. Class 3.

Brown, Boveri & Cie, Baden, Switzerland. High vacuum electronic tubes. 424,963–4; Oct. 29; Serial Nos. 494,209–10; published July 23, 1946. Class 21.

Brown, W. G., doing business as Vigoray Ozone Generator Company, Seattle, Wash. Electro-therapy machines. 424,928; Oct. 29; Serial No. 490,633; published Aug. 13, 1946. Class 44.

Buckeye Laboratories Corporation, Cleveland, Ohio. Unitary apparatus. 424,856; Oct. 29; Serial No. 476,658; published July 23, 1946. Class 23.

Burnham & Morrill Company, Portland, Maine. Canned vegetables. 220,903; renewed Nov. 16, 1946. O. G. Oct. 29. Class 46.

Burnham & Morrill Company, Portland, Maine. Canned clams, clam chowder, and clam bouillon. 220,905; renewed Nov. 16, 1946. O. G. Oct. 29. Class 46.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill., to Brunswick Radio Corporation, Wilmington, Del., and New York, N. Y. Machines of the record type. 220,771; renewed Nov. 16, 1946. O. G. Oct. 29. Class 36.

Brunswick Radio Corporation: *See*—
Brunswick-Balke-Collender Company, The.

Buxton, Incorporated, Springfield, Mass. Tobacco pouches. 221,068; renewed Nov. 23, 1946. O. G. Oct. 29. Class 8.

Cairns, Alexander, & Sons, Limited, London, England, and Dundee, Scotland, to The Crossé & Blackwell Company, Baltimore, Md. Marmalade. 219,460; renewed Oct. 19, 1946. O. G. Oct. 29. Class 46.

California Stucco Company, Los Angeles, Calif. Prepared tile grout. 425,080; Oct. 29. Class 12.

Canepa, John B.: *See*—
Bastrup, Louis, and Scanlan, administrators.

Canepa, John B., Company, assignee: *See*—
Bastrup, Louis, and Scanlan.

Canepa, John B., Company, The, Chicago, Ill. Cereal paste foods. 52,980; re-renewed May 22, 1946. O. G. Oct. 29. Class 46.

Cantello, Carl, doing business as Gripso Flat Clasp Company, Jersey City, N. J. Garter clasps. 425,045; Oct. 29. Class 40.

Capital City Products Co., The, Columbus, Ohio. Oleomargarine. 425,020; Oct. 29; Serial No. 499,044; published Aug. 13, 1946. Class 46.

Casterline, Willard B., doing business as Dr. Quack Candy Co., Chicago, Ill. Candy. 424,855; Oct. 29; Serial No. 476,197; published Aug. 6, 1946. Class 46.

Celanese Corporation of America: *See*—
American Cellulose & Chemical Manufacturing Company Ltd., The.

Cellulo Company, The, Sandusky, Ohio. Filtermass. 424,951; Oct. 29; Serial No. 498,395; published Aug. 6 1946. Class 31.

Center, George H., Du Quoin, Ill., to Frances Center Berdaniel, Cleveland, Ohio. Preparation for the internal treatment of coughs, colds, and bronchitis. 211,625; renewed Apr. 13, 1946. O. G. Oct. 29. Class 6.

Challenge Cream & Butter Association, Los Angeles, Calif. Butter, eggs, and cheese. 221,042; renewed Nov. 23, 1946. O. G. Oct. 29. Class 46.

Chicago Faucet Company, The, Chicago, Ill. Aerators attached to water faucets. 424,954; Oct. 29; Serial No. 493,743; published Aug. 13, 1946. Class 13.

Chicago Packing Company: *See*—
Aloff, Alexander.

Citrus Foods Co., Inc., La Habra, Calif. Frozen lemon juice. 425,003; Oct. 29; Serial No. 496,427; published Aug. 6, 1946. Class 46.

Clark, J. S., Company, The, Detroit, Mich. Portable dust collectors. 424,884; Oct. 29; Serial No. 483,960; published Aug. 6, 1946. Class 23.

Cleveland Steel Products Corporation, The: *See*—
Cleveland Universal Parts Company, The.

Cleveland Universal Parts Company, The, to The Cleveland Steel Products Corporation, Cleveland, Ohio. Oilburning equipment. 220,687; renewed Nov. 16, 1946. O. G. Oct. 29. Class 34.

Clinton Industries, Inc., St. Louis, Mo. Peanut bars. 425,013; Oct. 29; Serial No. 498,585; published Aug. 13, 1946. Class 46.

Clinton Industries, Inc., Chicago, Ill. Candy. 425,014; Oct. 29; Serial No. 498,593; published Aug. 13, 1946. Class 46.

Coaltoter Conveyer Co., Chicago, Ill. Portable power driven belt conveying apparatus. 424,912; Oct. 29; Serial No. 489,102; published Aug. 6, 1946. Class 23.

Cogswell Company, New York, N. Y. Children's suits, dresses, playsuits, etc. 424,953; Oct. 29; Serial No. 493,658; published Aug. 6, 1946. Class 39.

Cohn-Hall Marx Co., New York, N. Y. Piece goods of cotton, rayon and/or combinations thereof. 424,861; Oct. 29; Serial No. 479,030; published June 19, 1945. Class 42.

Commerce Manufacturing Company, Inc., Commerce, Ga. Overalls and dungarees. 425,006; Oct. 29; Serial No. 497,070; published Aug. 13, 1946. Class 39.

Commonwealth Plywood Company Limited, Ste. Therese, Quebec, Canada. Plywood. 425,004; Oct. 29; Serial No. 496,431; published Aug. 6, 1946. Class 12.

Continental Can Company, Inc., New York, N. Y. Can making machines. 424,864; Oct. 29; Serial No. 480,164; published Aug. 13, 1946. Class 23.

Continental Can Company, Inc., New York, N. Y. Food and beverage containers. 425,027; Oct. 29. Class 2.

Corbin, B. A., & Son Co., Marlborough, Mass. Shoes. 425,063; Oct. 29. Class 39.

Cornell Wood Products Company, Milwaukee, Wis. Laminated industrial boards and wall boards. 424,966; Oct. 29; Serial No. 494,312; published Aug. 13, 1946. Class 12.

Correctosite Appliance Company, Los Angeles, Calif. Eye exercising apparatus. 425,033; Oct. 29. Class 44.

Cortell Shoe Company, Manchester, N. H. Women's and misses' shoes. 425,025; Oct. 29. Class 39.

Crane & Co., Inc.: *See*—
Crane, Z. & W. M.

Crane, Z. & W. M., to Crane & Co., Inc., Dalton, Mass. Writing paper and envelops. 29,024; re-renewed Oct. 20, 1946. O. G. Oct. 29. Class 37.

Cresca Company, Inc., New York, N. Y. French crackers, skinless preserved figs, fruit jelly, etc. 220,684; renewed Nov. 16, 1946. O. G. Oct. 29. Class 46.

Crest Fabrics Corp., New York, N. Y. Vinyl type plastic sheeting. 425,088; Oct. 29. Class 42.

Cretex Companies, Inc., The: *See*—
Elk River Concrete Products Co.

Crissman, John R., Detroit, Mich. Spring mounted foot devices. 424,931; Oct. 29; Serial No. 490,932; published Aug. 13, 1946. Class 22.

Crocker-McElwain Company, Holyoke, Mass. Bond and ledger paper. 220,536; renewed Nov. 9, 1946. O. G. Oct. 29. Class 37.

Crosse & Blackwell Company, The: *See*—
Cairns, Alexander, & Sons, Limited.

Cruse-Kemper Company, Ambler and Philadelphia, Pa. Gas holders, shells, and tanks. 220,787; renewed Nov. 16, 1946. O. G. Oct. 29. Class 2.

Cryns Products, Inc., Chicago, Ill. Cake liner in grease form. 424,996; Oct. 29; Serial No. 496,203; published Aug. 13, 1946. Class 46.

Cryns Products, Inc., Chicago, Ill. Food for yeast. 424,997; Oct. 29; Serial No. 496,205; published Aug. 13, 1946. Class 46.

Cuesta, Rey & Company, Tampa, Fla. Cigars. 218,946; renewed Oct. 5, 1946. O. G. Oct. 29. Class 17.

Dapco Products, Inc.: *See*—
Defiance Alloyed Products Co., The.

Darby, Harry, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Fire doors for buildings, metal doors, metal concrete forms, and penstocks. 424,839; Oct. 29; Serial No. 465,735; published Aug. 6, 1946. Class 12.

Darby, Harry, Manufacturer: *See*—
Darby, Harry.

Davidson Brothers, to The Davidson Brothers Corp., New York, N. Y. Ladies' undergarments. 216,009; renewed Aug. 3, 1946. O. G. Oct. 29. Class 39.

Davidson Brothers Corp.: *See*—
Davidson Brothers.

Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Power transmission and conveyor belts. 424,888; Oct. 29; Serial No. 484,120; published Aug. 13, 1946. Class 35.

Defiance Alloyed Products Co., The, Defiance, Ohio, now by change of name to Dapco Products, Inc. Diaphragm compressors. 424,840; Oct. 29; Serial No. 466,324; published Aug. 13, 1946. Class 23.

Desmond Clothing Company, to Desmond's, Inc., Los Angeles, Calif. Men's wearing apparel. 209,165; renewed Feb. 16, 1946. O. G. Oct. 29. Class 39.

Desmond's, Inc.: *See*—
Desmond Clothing Company.

Desmond's, Inc., Los Angeles, Calif. Men's and boys' suits, overcoats, topcoats, etc. 425,011; Oct. 29; Serial No. 498,122; published Aug. 13, 1946. Class 39.

Desprez, Jean, Paris, France. Perfumes and rouges. 425,077; Oct. 29. Class 6.

Dey Brothers & Company: *See*—
Allied Stores Corporation.

Dinny & Robbins Inc., New York, N. Y. Leather shoes. 425,082; Oct. 29. Class 39.

Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Saws. 53,699; re-renewed June 12, 1946. O. G. Oct. 29. Class 23.

Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Saws. 54,244; re-renewed June 26, 1946. O. G. Oct. 29. Class 23.

Disston, Henry, & Sons, Incorporated, Philadelphia, to Henry Disston & Sons, Incorporated, Tacony, Philadelphia, Pa. Saws. 53,702; re-renewed June 12, 1946. O. G. Oct. 29. Class 23.

Disston, Henry, & Sons, Incorporated, Philadelphia, to Henry Disston & Sons, Incorporated, Tacony, Philadelphia, Pa. Saws. 53,752; re-renewed June 12, 1946. O. G. Oct. 29. Class 23.

Dixie Hosiery Mills, Inc., Fort Worth, Tex., to J. C. Penney Company, New York, N. Y. Infants' hosiery. 218,568; renewed Sept. 28, 1946. O. G. Oct. 29. Class 39.

DoAll Company, The, Des Plaines, Ill. Metal working and forming dies, molding dies, cutting tools, etc. 424,899; Oct. 29; Serial No. 487,178; published Aug. 13, 1946. Class 23.

Dr. Quack Candy Co.: *See*—
Casterline, Willard B.

Dossert Mfg. Corp., Brooklyn, N. Y. Electrical lug connectors. 424,971; Oct. 29; Serial No. 494,662; published Aug. 6, 1946. Class 21.

Dromona & Maine Limited, Cullybackey, Northern Ireland. Cotton and linen piece goods. 424,973; Oct. 29; Serial No. 494,894; published Aug. 6, 1946. Class 42.

Du Pont, E. I., de Nemours and Company: *See*—
Roessler & Hasslacher Chemical Company, The.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Window-shade material. 216,046; renewed Aug. 3, 1946. O. G. Oct. 29. Class 42.

Eagle Stove Works, Rome, Ga. Wood and coal stoves and ranges. 217,574; renewed Sept. 7, 1946. O. G. Oct. 29. Class 34.

Edgarton, C. A., Manufacturing Company, The, to President Suspender Company (of 1936), Shirley, Mass. Suspenders. 57,138; re-renewed Nov. 6, 1946. O. G. Oct. 29. Class 39.

Edgarton, C. A., Manufacturing Company, The, to President Suspender Company (of 1936), Shirley, Mass. Suspenders. 57,290; re-renewed Nov. 13, 1946. O. G. Oct. 29. Class 39.

Edison and Swan United Electric Light Company Limited, The, to The Edison Swan Electric Company, Limited, London, England. Incandescent electric-lamps and fittings. 52,320: re-renewed May 8, 1946. O. G. Oct. 29. Class 21.

Edison Swan Electric Company, Limited, The: *See*—
Edison and Swan United Electric Light Company Limited, The.

Electro-Physical Laboratories, Inc., New York, N. Y. Electrocardiographs. 424,881; Oct. 29; Serial No. 483,767; published Aug. 13, 1946. Class 44.

Elk River Concrete Products Co., to The Cretex Companies, Inc., Elk River, Minn. Reenforced sections for forming culverts, sewers, and drains. 215,800; renewed July 27, 1946. O. G. Oct. 29. Class 12.

Elsworth, J. & J. W., Co., New York, N. Y. Oysters. 425,069; Oct. 29. Class 46.

Empire Plow Company, The, Cleveland, Ohio. Plows, cultivators, harrows, handles for agricultural instruments, etc. 213,686; renewed June 1, 1946. O. G. Oct. 29. Class 23.

Empire State Wine Co., to R. C. Williams Wineries, Inc., Penn Yan, N. Y. Champagne. 55,678; re-renewed Aug. 21, 1946. O. G. Oct. 29. Class 47.

Empire State Wine Company, to R. C. Williams Wineries, Inc., Penn Yan, N. Y. Wine. 216,734; renewed Aug. 17, 1946. O. G. Oct. 29. Class 47.

Engelman Gardens Association, The, Elsa, Tex. Fresh citrus fruits and fresh vegetables. 424,893; Oct. 29; Serial No. 484,736; published Aug. 13, 1946. Class 46.

Erco Radio Laboratories, Inc., Hempstead, N. Y. Radio equipment. 424,865; Oct. 29; Serial No. 480,283; published July 23, 1946. Class 21.

Exmoor Knitwear Co., New York, N. Y. Women's and misses' knitted outer garments. 425,062; Oct. 29. Class 39.

Facs Company, The, San Antonio, Tex. Corn chips. 425,054; Oct. 29. Class 46.

Fearn Laboratories, Inc., Chicago, Ill., assignor to Northwestern Yeast Company, Chicago, Ill. Compositions in powder form for seasoning and curing meat and meat-containing food products. 425,032; Oct. 29. Class 46.

Finkelstein, David, doing business as Reliable Yarn & Trimming Co., Brooklyn, N. Y. Cotton, silk, rayon, and wool yarns. 425,075; Oct. 29. Class 43.

Firmenich & Co.: *See*—
Naef, M., & Cie.

First Pan-American, Mercantile Corporation, New York, N. Y. Stamp pad ink and fountain pen ink. 425,037; Oct. 29. Class 11.

Fishburger Company, The: *See*—
Manning, James G.

Five-In-One Ventilator Company: *See*—
Shortlidge, Wentworth H.

Flexible Slate Products Co., to The Tile-Tex Company, Chicago Heights, Ill. Tile flooring. 219,107; renewed Oct. 12, 1946. O. G. Oct. 29. Class 12.

Follsain Metals Ltd., Lutterworth, near Rugby, England. Electrical appliances and parts thereof. 424,857; Oct. 29; Serial No. 477,604; published Aug. 6, 1946. Class 21.

Frank, Murray & Associates, Chicago, Ill. Pharmaceutical preparations. 425,046; Oct. 29. Class 6.

Free Sewing Machine Co.: *See*—
Free Sewing Machine Company.

Free Sewing Machine Company, to Free Sewing Machine Co., Rockford, Ill. Electric sewing machines. 212,636; renewed May 11, 1946. O. G. Oct. 29. Class 23.

Freel, John A., doing business as Michigan Specialty and Manufacturing Co., Bay City, Mich. Fremum guides, circumcision clamps, surgical scissors, tonsilotomes, and speculums. 424,872; Oct. 29; Serial No. 482,484; published Aug. 13, 1946. Class 44.

Friedman, David, doing business as David Friedman Co., New York, N. Y. Negligees, housecoats, pajamas, etc. 425,089; Oct. 29. Class 39.

Friedman, David, Co.: *See*—
Friedman, David.

Fuller Manufacturing Co., Kalamazoo, Mich. Combination hydraulic torque converters and fluid couplings. 424,860; Oct. 29; Serial No. 478,811; published July 23, 1946. Class 23.

Furniture Developments Co., Los Angeles, Calif. Sectional divans. 424,934; Oct. 29; Serial No. 491,084; published Aug. 13, 1946. Class 32.

Gagnon, Armand, Montreal, Quebec, Canada. Leather shoes and slippers. 424,923; Oct. 29; Serial No. 490,113; published Aug. 6, 1946. Class 39.

Gail Carnogy Classics: *See*—
Keiman, Jack H.

Gailstyn Company, The, New York, N. Y. Kitchen, table, and household cutlery and parts thereof. 424,981; Oct. 29; Serial No. 495,372; published Aug. 6, 1946. Class 23.

Gellin Co., The, Cleveland, Ohio. Industrial floor composition—namely, asphalt and asphalt cement, concrete, etc. 424,862; Oct. 29; Serial No. 479,672; published Aug. 6, 1946. Class 12.

General Mills, Inc.: *See*—
Larrowe Milling Company, The.

Georgie Porgie Company: *See*—
Willey, R. F.

Gerber & Co., Inc., New York, N. Y. Cheese. 220,169; renewed Nov. 2, 1946. O. G. Oct. 29. Class 46.

Gibson Refrigerator Company, Greenville, Mich. Electric cooking ranges and deep well cookers. 424,919; Oct. 29; Serial No. 489,734; published Aug. 13, 1946. Class 21.

Ginsberg, Isaac, & Bros., Inc., New York, N. Y. Dresses. 425,086; Oct. 29. Class 39.

Gisholt Machine Company, Madison, Wis. Lathes, millingmachines, boring-mills, etc. 56,496; re-renewed Oct. 2, 1946. O. G. Oct. 29. Class 23.

Globe Knitwear Co., Philadelphia, Pa. Sweaters. 424,974; Oct. 29; Serial No. 494,898; published Aug. 6, 1946. Class 39.

Globe Novelty House, New York, N. Y. Suspenders, armbands, garters, etc. 425,064; Oct. 29. Class 39.

Globe Valve Corporation, Delphi, Ind. Metallic tub fillers and valves. 424,950; Oct. 29; Serial No. 493,347; published Aug. 13, 1946. Class 13.

Golden Arrow Toiletries, New York, N. Y. Unfilled vanity cases, unfilled compacts, and unfilled lipstick holders. 424,929; Oct. 29; Serial No. 490,809; published Aug. 13, 1946. Class 2.

Golden Rule, Incorporated, The, Columbus, Ohio. China dishes. 216,392; renewed Aug. 10, 1946. O. G. Oct. 29. Class 30.

Golden Rule, Incorporated, The, Columbus, Ohio. Wool blankets. 217,148; renewed Aug. 24, 1946. O. G. Oct. 29. Class 42.

Goldman, Maurice, doing business as Alan's Baking Co., Utica, N. Y. Cookies. 424,998; Oct. 29; Serial No. 496,233; published Aug. 6, 1946. Class 46.

Goldsmith Brothers Manufacturing Co. Inc., New York, N. Y. Ladies' handbags. 424,975; Oct. 29; Serial No. 494,968; published Aug. 13, 1946. Class 3.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Tire repair materials. 424,925; Oct. 29; Serial No. 490,241; published Aug. 13, 1946. Class 35.

Good Roads Machinery Corporation: *See*—
American Road Machinery Company, Inc.

Goodwill Shoe Company: *See*—
Williams, Arthur A.

Grand Specialties Company, Chicago, Ill. Work holding clamps. 424,982; Oct. 29; Serial No. 495,377; published Aug. 6, 1946. Class 23.

Greater New York Bedding Company: *See*—
Lipps, Morris.

Greenebaum, J., Tanning Co.: *See*—
Alpena Leather Corporation.

Greentree, Meyer, Richmond, Va. Men's and boys' suits, topcoats, raincoats, etc. 220,426; renewed Nov. 9, 1946. O. G. Oct. 29. Class 39.

Griggs, Cooper & Company, to Griggs, Cooper & Company, St. Paul, Minn. Salt, laundry starch, borax, etc. 220,648; renewed Nov. 16, 1946. O. G. Oct. 29. Classes 6 and 46.

Gripso Flat Clasp Company: *See*—
Cantello, Carl.

Groff's Inc., Toledo, Ohio. Hosiery, kerchiefs, collars, etc. 425,055; Oct. 29. Class 39.

Haas E. Manufacturing Co., Chicago, Ill. Liquid fuel burning lighters. 424,984; Oct. 29; Serial No. 495,736; published Aug. 6, 1946. Class 34.

Hammerman, Jay Kay & Sons, Inc., Chicago, Ill. Ladies' pajamas, slips, panties, etc. 425,026; Oct. 29. Class 39.

Hanfling, K., & Son, Chicago, Ill. Leather shoe soles. 424,873; Oct. 29; Serial No. 482,487; published Aug. 13, 1946. Class 39.

Hanover Cordage Company, Hanover, Pa. Certain named twines, hemp tarred goods, jute tarred goods, etc. 220,780; renewed Nov. 16, 1946. O. G. Oct. 29. Class 7.

Hansen Glove Corporation, Milwaukee, Wis. Leather gloves. 425,050–51; Oct. 29. Class 39.

Harris, Walter P., doing business as Walter P. Harris & Co., New York, N. Y. Hosiery. 425,079; Oct. 29. Class 39.

Harris, Walter P., & Co.: *See*—
Harris, Walter P.

Harrow-Taylor Butter Company, Kansas City, Mo. Butter. 217,610; renewed Sept. 7, 1946. O. G. Oct. 29. Class 46.

Haynes, John E., doing business as Texarkana Candy Company, Texarkana, Tex. Candy. 424,874; Oct. 29; Serial No. 482,626; published Aug. 13, 1946. Class 46.

Henry, Paul, doing business as Raitronics, Ltd., Los Angeles, Calif. Electrical relays. 424,863; Oct. 29; Serial No. 479,874; published Aug. 6, 1946. Class 21.

Himber, Samuel, doing business as Quick Steaks Co., Wilmington, Del. Beefsteaks. 425,028; Oct. 29. Class 46.

Hirsch, Clement L., doing business as Packers Canning Company, Los Angeles, Calif. Canned dog food. 424,978; Oct. 29; Serial No. 495,139; published Aug. 13, 1946. Class 46.

Hlavaty Insulations: *See*—
Hlavaty, Rudolf F.

Hlavaty, Rudolf F., doing business as Hlavaty Insulations, Cicero, Ill. Sheet material resistant to acid, flame, and water. 424,980 Oct. 29; Serial No. 495,235; published Aug. 6, 1946. Class 12.

Hobby Hill, Chicago, Ill. Pull toys having a plurality of removable colored pegs. 424,885; Oct. 29; Serial No. 484,022; published Aug. 13, 1946. Class 22.

Hobby Hill, Chicago, Ill. Toys in the form of animals. 424,886; Oct. 29; Serial No. 484,024; published Aug. 13, 1946. Class 22.

Hobby Hill, Chicago, Ill. Toys. 424,887; Oct. 29; Serial No. 484,025; published Aug. 6, 1946. Class 22.

Hobson, Houghton & Co., Limited, Sheffield, England. Steel in bars, plates, rods, and wire. 54,661; re-renewed June 26, 1946. O. G. Oct. 29. Class 14.

Hoff-Lite Paint Works: *See*—
Hoffman Wall Paper Co., Inc.

Hoffman, J. S., Company, Chicago, Ill. Sausage. 207,977; renewed Jan. 12, 1946. O. G. Oct. 29. Class 46.

Hoffman Wall Paper Co., Inc., The, doing business as Hoff-Lite Paint Works, Hartford, Conn. Dry, paste, and ready-mixed paints and varnishes. 221,254; renewed Nov. 23, 1946. O. G. Oct. 29. Class 16.

Holleran Metal Products: *See*—
O'Halloran, Edward P.

Holloway, M. J., & Co., Chicago, Ill. Candy. 425,078; Oct. 29. Class 46.

Hollyvogue Ties, Los Angeles, Calif. Neckties. 424,891; Oct. 29; Serial No. 484,570; published July 16, 1946. Class 39.

Holmes-Darst Coal Corporation, Knoxville, Tenn. Coal. 424,944 Oct. 29; Serial No. 493,005; published Aug. 13, 1946. Class 1.

Holophane Company, Inc.: *See*—
Holophane Glass Company, Inc.

Holophane Company, Inc., New York, N. Y. Glass, plastics, combinations of glass and metal, etc. 424,908; Oct. 29; Serial No. 488,525; published Aug. 6, 1946. Class 34.

Holophane Glass Company, Inc., to Holophane Company, Inc., New York, N. Y. Prismatic glass gloves, reflectors, and plates. 217,786; renewed Sept. 7, 1946. O. G. Oct. 29. Class 33.

Homelite Corporation, East Port Chester, Conn. Gasoline-engine-driven blower units, etc. 424,967; Oct. 29; Serial No. 494,324; published Aug. 6, 1946. Class 34.

Howell Manufacturing Company, The, Philadelphia, Pa. Overhead garage doors. 425,093 Oct. 29. Class 12.

Hudnut, Richard, New York, N. Y. Talcum powder, face powder, bath salts, etc. 221,122; renewed Nov. 23, 1946. O. G. Oct. 29. Class 6.

Hudson American Corporation, New York, N. Y. Marine radio telephone units and parts thereof. 424,958–60; Oct. 29; Serial Nos. 493,963–5; published Aug. 13, 1946. Class 21.

Hughes, K. A., Company, Boston, Mass. Tablets. 221,245; renewed Nov. 23, 1946. O. G. Oct. 29. Class 6.

Hugon and Company, Limited: *See*—
Hugon & Co., Limited.

Hugon & Co., Limited, Pendleton, to Hugon and Company, Limited, Manchester, England. Rendered or refined beef-suet or beef-fat. 29,203; re-renewed Nov. 24, 1946. O. G. Oct. 29. Class 46.

Hume, G. W., Company, San Francisco, Calif. Canned fruit. 219,828; renewed Oct. 26, 1946. O. G. Oct. 29. Class 46.

Huyler's, New York, N. Y., to Huyler's, Long Island, N. Y. Candy. 221,261; renewed Nov. 23, 1946. O. G. Oct. 29. Class 46.

Hyer, C. H., & Sons, Olathe, Kans. Boots and shoes. 425,057; Oct. 29. Class 39.

Imperial Oil Ltd., Toronto, Ontario, Canada. Refined, semirefined, and unrefined oils, greases, and other products made from petroleum. 217,266; renewed Aug. 13, 1946. O. G. Oct. 29. Class 15.

International Shoe Company, St. Louis, Mo. Boots and shoes of leather, fabric, and/or combinations thereof. 424,853; Oct. 29; Serial No. 474,853; published Aug. 6, 1946. Class 39.

Irvington Varnish & Insulator Co., Irvington, N. J. Yellow varnished cambric tape. 424,948; Oct. 29; Serial No. 493,193; published July 23, 1946. Class 21.

Jenkins, Harold F., Elmira, N. Y. Motion picture travel films. 425,081; Oct. 29. Class 26.

Johnson Brothers (Hanley) Limited, Stoke-on-Trent, England. Table earthenware. 207,950; renewed Jan. 12, 1946. O. G. Oct. 29. Class 30.

Johnson & Johnson, New Brunswick, N. J. Toothbrush bristles. 424,946; Oct. 29; Serial No. 493,125; published Aug. 6, 1946. Class 1.

Kahn Tailoring Co., doing business as Sterling Tailoring Company, Indianapolis, Ind. Men's outer wearing apparel. 219,155; renewed Oct. 12, 1946. O. G. Oct. 29. Class 39.

Kahn Tailoring Co., doing business as Sterling Tailoring Company, Indianapolis, Ind. Men's outer wearing apparel. 219,350; renewed Oct. 19, 1946. O. G. Oct. 29. Class 39.

Katz, Joseph M., Pittsburgh, Pa. Stationery. 424,914; Oct. 29; Serial No. 489,179; published Aug. 13, 1946. Class 37.

Katz, Joseph M., Pittsburgh, Pa. Stationery. 425,049; Oct. 29. Class 37.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 425,001; Oct. 29; Serial No. 496,313; published July 23, 1946. Class 21.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 425,002; Oct. 29; Serial No. 496,316; published July 23, 1946. Class 21.

Kellogg Switchboard and Supply Company, Chicago, Ill. Telephones, switchboards, telephone field sets. 425,058; Oct. 29. Class 21.

Kelman, Jack H., doing business as Gail Carnogy Classics, New York, N. Y., and Philadelphia, Pa. Ladies', children's, and infants' wear. 425,044; Oct. 29. Class 39.

Ken Products: *See*—
Rosenberg Brothers.

Khambata, Jehangir, New York, N. Y. Bottled chutney. 425,060; Oct. 29. Class 46.

Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Fixed fire detecting and extinguishing apparatus. 424,894; Oct. 29; Serial No. 485,298; published July 23, 1946. Class 23.

Kirk Milling Company, The, Findlay, Ohio. Wheat flour. 217,569; renewed Sept. 7, 1946. O. G. Oct. 29. Class 46.

Kloczewski & Co., to Kloczewski & Co., Washington, D. C. Vegetable compound. 53,224; re-renewed May 29, 1946. O. G. Oct. 29. Class 6.

Knitted Sales Company, New York, N. Y. Knitted sportswear. 425,083; Oct. 29. Class 39.

Kompolite Co., Inc., Brooklyn, N. Y. Fireproof and nonsmoke producing high strength hydraulic cement composition. 424,849; Oct. 29; Serial No. 472,390; published Aug. 6, 1946. Class 12.

Kresge, S. S., Company, Detroit, Mich. Hosiery. 425,012; Oct. 29; Serial No. 498,288; published Aug. 13, 1946. Class 39.

Krupka, S. G., Co. Inc., to Ostermoor & Company, Inc., Bridgeport, Conn. Mattresses. 220,773; renewed Nov. 16, 1946. O. G. Oct. 29. Class 32.

Kutlery for Kits, Chicago, Ill. Knives. 425,066; Oct. 29. Class 23.

Lacy Oil Tool Company, Los Angeles, Calif. Air balanced actuating heads for deep well pumps. 424,972; Oct. 29; Serial No. 494,753; published Aug. 13, 1946. Class 23.

Lambert Pharmacal Company, St. Louis, Mo., to Lambert Pharmacal Company, Wilmington, Del. Tooth-powder. 55,690; re-renewed Aug. 21, 1946. O. G. Oct. 29. Class 6.

Lambert Pharmacal Co., St. Louis, Mo., to Lambert Pharmacal Company, Wilmington, Del. Soaps for hygienic and antiseptic personal use. 57,563; re-renewed Nov. 13, 1946. O. G. Oct. 29. Class 4.

Lam-Skin Slipper Co.: *See*—
Berlin Tanning and Manufacturing Co.

La Resista Corset Company, The, Bridgeport, Conn. Corsets, corselets, girdles, etc. 425,031; Oct. 29. Class 39.

Larrowe Milling Company, The, Detroit, Mich., to General Mills, Inc., Minneapolis, Minn. Poultry feed. 208,869; renewed Feb. 9, 1946. O. G. Oct. 29. Class 46.

Leeson, J. R., & Co., Boston, Mass., to The American Thread Company, New York, N. Y. Cotton yarn and threads. 28,952; re-renewed Oct. 6, 1946. O. G. Oct. 29. Class 43.

Lektrolite Corporation, New York, N. Y. Cigar, cigarette, and pipe lighters of the catalytic type and parts, etc. 424,961; Oct. 29; Serial No. 494,086; published Aug. 6, 1946. Class 34.

Leonardo Furniture Co. Incorporated, New York, N. Y. Living room, dining room, and bedroom furniture. 424,896; Oct. 29; Serial No. 485,916; published Aug. 13, 1946. Class 32.

Les Etablissements Poulenc Freres to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Pomatum with a base of propidon vaccine. 213,715; renewed June 1, 1946. O. G. Oct. 29. Class 6.

Les Etablissements Poulenc Freres, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Novarsenbenzol in tablet form. 213,716; renewed June 1, 1946. O. G. Oct. 29. Class 6.

Les Etablissements Poulenc Freres, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Theobrominacetate of soda. 213,717; renewed June 1, 1946. O. G. Oct. 29. Class 6.

Levinsohn Bros. Co. Inc., New York, N. Y. Clothing. 424,869; Oct. 29; Serial No. 482,168; published Aug. 13, 1946. Class 39.

Liebig Extract Company, to Liebig Products Co. Inc., New York, N. Y. Beef extracts and beef, iron, and wine. 52,782; re-renewed May 15, 1946. O. G. Oct. 29. Class 6.

Liebig Products Co. Inc.: *See*—
Liebig Extract Company.

Lipps, Morris, doing business as Greater New York Bedding Company, Brooklyn, N. Y. Bed bolsters. 424,936; Oct. 29; Serial No. 491,165; published Aug. 6, 1946. Class 32.

Lovely Dame Candy Shop: *See*—
Ahalt, Floyd W.

Lowe, Joe, Corporation, New York, N. Y. Power driven, endless chain conveyor doughnut coolers. 424,918; Oct. 29; Serial No. 489,670; published Aug. 13, 1946. Class 23.

Lumberman's Door & Trim Company, The, Cleveland, Ohio. Combination storm and screen panel structures. 425,022; Oct. 29; Serial No. 499,643; published Aug. 6, 1946. Class 12.

Machined Parts Corporation, The, Detroit, Mich. Certain named ignition and other electrical parts. 219,910; renewed Oct. 26, 1946. O. G. Oct. 29. Class 21.

Malone, Molly, Inc., New York, N. Y. Ladies' and misses' dresses. 425,087; Oct. 29. Class 39.

Manning, James G., doing business as The Fishburger Company, Gardner, Kans. Canned fish bait. 424,915; Oct. 29; Serial No. 489,228; published Aug. 13, 1946. Class 22.

Marianna Girl Coat Co., assignor to Marianna Girl Coat Co. Ltd., New York, N. Y. Girls' and misses' coats and coat ensembles. 425,065; Oct. 29. Class 39.

Marianna Girl Coat Co. Ltd., assignee: *See*—
Marianna Girl Coat Co.

Marsh, Floyd R., doing business as Marsh Fur Farm, Portland, Oreg. Live mink. 424,846; Oct. 29; Serial No. 469,960; published Aug. 13, 1946. Class 1.

Marsh Fur Farm: *See*—
Marsh, Floyd R.

Marsh, Jordan, Company, Boston, Mass. Women's and children's coats, suits, socks, etc. 425,072; Oct. 29. Class 39.

Martin, J. B., Company, Norwich, Conn. Pile-fabric piece goods. 220,986; renewed Nov. 23, 1946. O. G. Oct. 29. Class 42.

Martin, J. B., Company, Norwich, Conn. Pile-fabric piece goods. 221,113; renewed Nov. 23, 1946. O. G. Oct. 29. Class 42.

Martin, J. B., Company, Norwich, Conn. Pile-fabric piece goods. 221,123; renewed Nov. 23, 1946. O. G. Oct. 29. Class 42.

Maryland Baking Company, Inc., Baltimore, Md. Ice cream cones. 425,094; Oct. 29. Class 46.

Mattison, Raymond J., doing business as Sun-Bird Packing Co., Ltd., Arcadia, Calif. Canned citrus juice. 424,991; Oct. 29; Serial No. 496,092; published Aug. 13, 1946. Class 46.

McKinney, William W., doing business as Telstop Manufacturing Co., Mount Healthy, Ohio. Metal signals for rural mail boxes. 424,916; Oct. 29; Serial No. 489,335; published Aug. 13, 1946. Class 2.

Melcraft, Saginaw, Mich. Miniature model internal combustion engines, miniature fuel tanks, miniature carburetors. 424,977; Oct. 29; Serial No. 495,082; published Aug. 6, 1946. Class 23.

Merryweather Products Company, Akron, Ohio. Fireplace fixture or front. 424,917; Oct. 29; Serial No. 489,339; published Aug. 6, 1946. Class 34.

Metronome Corporation: *See*—
Metronome Publishing Co. Inc., The.

Metronome Publishing Co. Inc., The, to Metronome Corporation, New York, N. Y. Semi-monthly magazine. 214,874; renewed July 6, 1946. O. G. Oct. 29. Class 38.

Michigan Specialty and Manufacturing Co.: *See*—
Freel, John A.

Midland Grocery Company, The, Columbus, Ohio. Canned fruits and vegetables, canned fish, canned soup, etc. 424,956; Oct. 29; Serial No. 493,890; published Aug. 6, 1946. Class 46.

Miller, Irving B., doing business as Ace-Hi Hat Reducer Mfg. Co., Chicago, Ill. Hat size reducer in the nature of a strip of flexible material. 424,945; Oct. 29; Serial No. 493,017; published Aug. 6, 1946. Class 39.

Millin Drug Co.: *See*—
Millin Drug Company.

Millin Drug Company, Wilmington, Del., and Memphis, to Edna G. Wellman, doing business as Millin Drug Co., Memphis, Tenn. Perfumes, rouge, face powders, etc. 206,646; renewed Dec. 8, 1945. O. G. Oct. 29. Class 6.

Miner, Henry C., Inc., Estate, New York, N. Y., to Associated Products, Inc., Chicago, Il. Perfumery, toilet lotions, hair tonic, etc. 216,651; renewed Aug. 17, 1946. O. G. Oct. 29. Class 6.

Moench, R. G., & Co., Inc., New York, N. Y. Edible powdered mixture. 425,015–16; Oct. 29; Serial Nos. 498,646–7; published Aug. 6, 1946. Class 46.

Moncey Products Corp., Chicago, Ill. Shoes and boots. 424,952; Oct. 29; Serial No. 493,447; published Aug. 6, 1946. Class 39.

Monsanto Chemical Company: *See*—
Monsanto Chemical Works.

Monsanto Chemical Works, to Monsanto Chemical Company, St. Louis, Mo. Insecticides. 220,902; renewed Nov. 16, 1946. O. G. Oct. 29. Class 6.

Moore, E. R., Company, Chicago, Ill. Children's garments. 424,937; Oct. 29; Serial No. 491,211; published Aug. 13, 1946. Class 39.

Muth, Mary E., Columbus, Ohio. Infants' restraining and protecting garments. 425,034; Oct. 29. Class 39.

Naef, M., & Cie, to Firmenich & Co., Geneva, Switzerland. Artificial and synthetical perfumes and essential oils. 210,907; renewed Mar. 30, 1946. O. G. Oct. 29. Class 6.

Naef, M., & Cie., to Firmenich & Co., Geneva, Switzerland. Artificial and synthetical perfumes and essential oils. 210,910–20; renewed Mar. 30, 1946. O. G. Oct. 29. Class 6.

Naef, M., & Cie., to Firmenich & Co., Geneva, Switzerland. Artificial and synthetical perfumes and essential oils. 210,922; renewed Mar. 30, 1946. O. G. Oct. 29. Class 6.

Naef, M., & Cie., to Firmenich & Co., Geneva, Switzerland. Artificial and synthetical perfumes and essential oils. 210,968; renewed Mar. 30, 1946. O. G. Oct. 29. Class 6.

Naef, M., & Cie., to Firmenich & Co., Geneva, Switzerland. Artificial and synthetical perfumes and essential oils. 210,971–2; renewed Mar. 30, 1946. O. G. Oct. 29. Class 6.

Nagao, Shimpei, doing business as Soya Bean Products Company, Garland, Utah. Soya bean sauce. 424,854; Oct. 29; Serial No. 475,396; published Aug. 6, 1946. Class 46.

National Lead Company, New York, N. Y. Journal bearings. 424,913; Oct. 29; Serial No. 489,139; published July 23, 1946. Class 23.

National Screen Door Company, Montgomery, Ala. Screen doors and screen windows. 424,938; Oct. 29; Serial No. 491,497; published Aug. 13, 1946. Class 12.

Night & Day Chemical Company, Water Valley, Miss., to Night & Day Chemical Company, Memphis, Tenn. Hairdressing. 218,528; renewed Sept. 28, 1946. O. G. Oct. 29. Class 6.

Norris Inc., Atlanta, Ga. Candy. 219,556; renewed Oct. 19, 1946. O. G. Oct. 29. Class 46.

Northwest Packing Co., Portland, Oreg. Canned dog and cat food. 425,018–19; Oct. 29; Serial Nos. 498,918–19; published Aug. 13, 1946. Class 46.

Northwestern Kite Co., Minneapolis, Minn. Toy kites. 425,010; Oct. 29; Serial No. 498,022; published Aug. 13, 1946. Class 22.

Northwestern Yeast Company: *See*—
Fearn Laboratories, Inc.

Oakes & Company, doing business as Tru-Test, Chicago, Ill. Electric tools. 424,866; Oct. 29; Serial No. 480,614; published Aug. 6, 1946. Class 21.

O'Halloran, Edward P., doing business as Holleran Metal Products, Detroit, Mich. Dishwashing machines. 424,895; Oct. 29; Serial No. 485,791; published July 23, 1946. Class 23.

Old Colony Shoe Company, Brockton, Mass. Leather boots and shoes. 220,048; renewed Nov. 2, 1946. O. G. Oct. 29. Class 39.

Olney, John, doing business as John Olney Products, Beaver Falls, Pa. Cleaner. 425,024; Oct. 29. Class 4.

Olney, John, Products: *See*—
Olney, John.

Osborn, C. D., Co., Chicago, Ill. Gloves. 205,513; renewed Nov. 10, 1945. O. G. Oct. 29. Class 39.

Osborn, C. D., Co., Chicago, Ill. Gloves. 205,515; renewed Nov. 10, 1945. O. G. Oct. 29. Class 39.

Ostermoor & Company Inc.: *See*—
Krupka, S. G., Co. Inc.

Oxford-Pyke, Inc., New York, N. Y. Cigar and cigarette lighters. 425,071; Oct. 29. Class 34.

Pacific Mills, Boston, Mass., and New York, N. Y. Woolen fabrics in the piece. 424,983; Oct. 29; Serial No. 495,689; published Aug. 6, 1946. Class 42.

Packers Canning Company: *See*—
Hirsch, Clement L.

Palace Clothing Company, The, Kansas City, Mo. Certain named clothing. 220,649; renewed Nov. 16, 1946. O. G. Oct. 29. Class 39.

Parfümerie Scherk: *See*—
Scherk, Ludwig.

Patek Brothers, Inc., Milwaukee, Wis. Semipaste paint. 221,180; renewed Nov. 23, 1946. O. G. Oct. 29. Class 16.

Patek Brothers, Inc., Milwaukee, Wis. Plastic oil paint. 221,185; renewed Nov. 23, 1946. O. G. Oct. 29. Class 16.

Patek Brothers, Inc., Milwaukee, Wis. Varnish. 221,262; renewed Nov. 23, 1946. O. G. Oct. 29. Class 16.

Patek Brothers, Inc., Milwaukee, Wis. Lacquers. 221,265; renewed Nov. 23, 1946. O. G. Oct. 29. Class 16.

Paula Products, New York, N. Y. Miniature toy furniture sets and toy houses. 425,009; Oct. 29; Serial No. 497,737; published Aug. 13, 1946. Class 22.

Paxton Diesel Engineering Company, Omaha, Nebr. Valve spring depressors. 425,061; Oct. 29. Class 23.

Peirson-Moore Co., Lexington, Ky. Apparatus for conditioning air. 425,090; Oct. 29. Class 34.

Penn Hosiery Mills, Inc., Reading, Pa. Hosiery. 424,851; Oct. 29; Serial No. 473,545; published Dec. 12, 1944. Class 39.

Penney, J. C., Company: *See*—
Dixie Hosiery Mills, Inc.

Penney, J. C., Company, Wilmington, Del., and New York, to J. C. Penney Company, New York, N. Y. Overalls and work clothes. 216,168; renewed Aug. 3, 1946. O. G. Oct. 29. Class 39.

Penney, J. C., Company, Wilmington, Del., to J. C. Penney Company, New York, N. Y. Overalls and work clothes. 216,274; renewed Aug. 10, 1946. O. G. Oct. 29. Class 39.

Pereles Bros., Inc., Milwaukee, Wis. Shoe heels. 424,900; Oct. 29; Serial No. 487,436; published Aug. 6, 1946. Class 39.

Perry Knitting Company, The, Perry, N. Y. Sleeping garments. 424,970; Oct. 29; Serial No. 494,626; published Aug. 6, 1946. Class 39.

Peter Pan Manufacturing Co., Boston, Mass. Infants' and children's overalls, coveralls, crawlers, etc. 424,992; Oct. 29; Serial No. 496,151; published Aug. 6, 1946. Class 39.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Medicinal preparation. 220,370; renewed Nov. 9, 1946. O. G. Oct. 29. Class 6.

Philes, Romaine M., Washington, D. C. Facial cream, astringent cream, acne cream, etc. 216,652; renewed Aug. 17, 1946. O. G. Oct. 29. Class 6.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' outer shirts and pajamas. 424,850; Oct. 29; Serial No. 473,291; published Mar. 20, 1945. Class 39.

Phillips Petroleum Company, Bartlesville, Okla. Battery cables, flashlights, automobile fuses, etc. 424,841; Oct. 29; Serial No. 468,730; published July 23, 1946. Class 21.

Phillips Petroleum Company, Bartlesville, Okla. Wearing apparel. 424,842; Oct. 29; Serial No. 468,732; published Aug. 13, 1946. Class 39.

Phillips Petroleum Company, Bartlesville, Okla. Polishing cloths. 424,843; Oct. 29; Serial No. 468,735; published Aug. 13, 1946. Class 42.

Picker X-ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Timers, starters, and voltage limiters, etc. 424,902; Oct. 29; Serial No. 487,522; published Aug. 6, 1946. Class 21.

Piezo Manufacturing Corporation, New York, N. Y. Pipe and cigarette tobacco, cigarettes, and cigars. 424,949; Oct. 29; Serial No. 493,212; published Aug. 6, 1946. Class 17.

Pinaud Incorporated, New York, N. Y. Certain named toilet preparations. 220,778; renewed Nov. 16, 1946. O. G. Oct. 29. Class 6.

Pipe & Tube Products, Inc., Jersey City, N. J. Brass, copper, and steel tubing. 425,052; Oct. 29. Class 13.

Pittsburgh Crushed Steel Company: *See*—
Pittsburgh Crushed Steel Co. Limited.

Pittsburgh Crushed Steel Co. Limited, to Pittsburgh Crushed Steel Company, Pittsburgh, Pa. Abrasives. 57,201; re-renewed Nov. 6, 1946. O. G. Oct. 29. Class 4.

Plastron, Inc., New York, N. Y. Costume bags, garment bags, lingerie bags, etc. 424,920; Oct. 29; Serial No. 489,981; published Aug. 13, 1946. Class 2.

Porter, N., Saddle and Harness Company, Phoenix, Ariz. Martingales. 424,976; Oct. 29; Serial No. 494,978; published Aug. 13, 1946. Class 3.

Portland Footwear Co., Portland, Maine. Leather shoes for women. 424,935; Oct. 29; Serial No. 491,118; published Aug. 6, 1946. Class 39.

Posner, David H., Inc., Boston, Mass. Certain articles of clothing. 219,660; renewed Oct. 19, 1946. O. G. Oct. 29. Class 39.

Power Machinery Company, Tulsa, Okla. Engine driven oil pumping units. 425,038–9; Oct. 29. Class 23.

Precision Parts Company, Ann Arbor, Mich. Baling presses. 424,979; Oct. 29; Serial No. 495,152; published July 23, 1946. Class 23.

President Suspender Company (of 1936): *See*—
Edgarton, C. A., Manufacturing Company, The.

Puget Sound Pulp & Timber Co., Bellingham, Wash. Material used as a filler in plastics, etc. 424,905; Oct. 29; Serial No. 487,915; published Aug. 13, 1946. Class 1.

Py-Mak Company, The, Dallas, Tex. Pie filling. 425,076; Oct. 29. Class 46.

Pyraglass, Inc.: *See*—
Pyraglass Products, Inc.

Pyraglass Products, Inc., to Pyraglass, Inc., Newburgh, N. Y. Advertising display signs and art panels and pictures. 216,523; renewed Aug. 10, 1946. O. G. Oct. 29. Class 50.

Pyramid Electric Company, Jersey City, N. J. Electrical capacitors. 424,940; Oct. 29; Serial No. 491,773; published July 23, 1946. Class 21.

Quackenbush Company: *See*—
Allied Stores Corporation.

Quaker Oats Company, The: *See*—
American Cereal Company, The.

Quaker Oats Company, The, Chicago, Ill. Poultry feed. 217,032; renewed Aug. 24, 1946. O. G. Oct. 29. Class 46.

Quick Steaks Co.: *See*—
Himber, Samuel.

Radio Chef, Inc., Chicago, Ill. Electric high frequency induction vending machine. 424,962; Oct. 29; Serial No. 494,121; published July 23, 1946. Class 23.

Rain-Beau Products Company, Canton, Mass. Fishing lines. 424,955; Oct. 29; Serial No. 493,822; published Aug. 6, 1946. Class 22.

Raingard, Inc., New York, N. Y. Women's, misses', girls', teens' and juniors' coats. 425,059; Oct. 29. Class 39.

Raitronics, Ltd.: *See*—
Henry, Paul.

Raspler, Murray, New York, N. Y. Cravats, necktles, sport shirts, etc. 424,942; Oct. 29; Serial No. 492,396; published Aug. 13, 1946. Class 39.

Reeves Brothers, Inc., New York, N. Y. Work shirts, pants, work coats, etc. 424,987; Oct. 29; Serial No. 495,905; published Aug. 6, 1946. Class 39.

Reeves, J. S., & Co., Nashville, Tenn. Knitted underwear and hosiery. 57,627; re-renewed Nov. 20, 1946. O. G. Oct. 29. Class 39.

Reliable Yarn & Trimming Co.: *See*—
Finkelstein, David.

Renze Cigar Co.: *See*—
Renze, Nick Raffaele.

Renze, Nick Raffaele, doing business as Renze Cigar Co., Connellsville, Pa. Cigars. 209,803; renewed Mar. 2, 1946. O. G. Oct. 29. Class 17.

Revoc, Inc., New York, N. Y. Cigars, cigarettes, pipe and chewing tobacco. 424,906; Oct. 29; Serial No. 488,371; published Aug. 13, 1946. Class 17.

Revoc, Inc., New York, N. Y. Tampons, sanitary pads, and sanitary napkins. 424,907; Oct. 29; Serial No. 488,376; published Aug. 13, 1946. Class 44.

Rice-Stix Dry Goods Company, St. Louis, Mo. Radio receiving sets. 424,999; Oct. 29; Serial No. 496,274; published Aug. 6, 1946. Class 21.

Riordan, Harold P., Dallas, Tex. Electrical fire alarm apparatus. 424,943; Oct. 29; Serial No. 492,955; published Aug. 13, 1946. Class 21.

Rite-Way Products Company, Chicago, Ill. Pulsators for milking machines. 424,892; Oct. 29; Serial No. 484,703; published Aug. 13, 1946. Class 23.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Piece goods of cotton, rayon, wool, etc. 424,988–9; Oct. 29; Serial Nos. 495,907–8; published Aug. 6, 1946. Class 42.

Robvon Backing Ring and Fabricating Company: *See*—
Von Ahrens, Robert H.

Rockwell Manufacturing Company: *See*—
Stover Manufacturing & Engine Co.

Roessler & Hasslacher Chemical Company, The, New York, N. Y., to E. I. du Pont de Nemours and Company, Wilmington, Del. Fluids used in refrigeration. 216,805; renewed Aug. 24, 1946. O. G. Oct. 29. Class 6.

Rosenberg Brothers, doing business as Ken Products, Boston, Mass. Leather goods. 424,993; Oct. 29; Serial No. 496,163; published Aug. 13, 1946. Class 3.

Rosenberg, Joseph, Co., Inc., Boston, Mass. Sportswear consisting of slacks, skirts, dresses, etc. 425,000; Oct. 29; Serial No. 496,275; published Aug. 13, 1946. Class 39.

Rossi, Peter, & Sons, Inc., Braidwood, Ill. Alimentary pastes. 219,930; renewed Oct. 26, 1946. O. G. Oct. 29. Class 46.

Rubin, J. M., & Sons, Gloversville, N. Y. Gloves. 425,068; Oct. 29. Class 39.

Rueda & Co., Buenos Aires, Argentina. Garments. 424,911; Oct. 29; Serial No. 489,015; published July 16, 1946. Class 39.

Russell-Newman Manufacturing Company, Denton, Tex. Women's and children's panties, vests, bloomers, slips, etc. 424,985; Oct. 29; Serial No. 495,764; published Aug. 13, 1946. Class 39.

Salfair, New York, N. Y. Women's hats. 425,035; Oct. 29. Class 39.

Samuels, L. J., & Co., Inc., Boston, Mass. Men's and young men's suits, topcoats, and overcoats. 424,890; Oct. 29; Serial No. 484,428; published Aug. 13, 1946. Class 39.

Scanlan, Kickham, administrator, et al.: *See*—
Bastrup, Louis, and Scanlan.

Scherk, Ludwig, doing business as Parfümerie Scherk, Berlin, Germany, to Ludwig Scherk, Inc., Brooklyn, N. Y. Certain named toilet preparations, incense, essential oils, etc. 220,834; renewed Nov. 16, 1946. O. G. Oct. 29. Class 6.

Scherk, Ludwig, doing business as Parfümerie Scherk, Berlin, Germany, to Ludwig Scherk, Inc., Brooklyn, N. Y. Certain named cosmetics and toilet preparations; ethereal oils, etc. 220,835; renewed Nov. 16, 1946. O. G. Oct. 29. Class 6.

Scherk, Ludwig, doing business as Parfümerie Scherk, Berlin, Germany, to Ludwig Scherk, Inc., Brooklyn, N. Y. Certain named cosmetics and toilet preparations, essential oils, etc. 220,876; renewed Nov. 16, 1946. O. G. Oct. 29. Class 6.

Scherk, Ludwig, Inc.: *See*—
Scherk, Ludwig.

Schlitters, Michael J., doing business as Screw Machine Tool Company, Detroit, Mich. Screw machine and turret lathe tool holders and parts. 425,005; Oct. 29; Serial No. 496,521; published Aug. 6, 1946. Class 23.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 220,353; renewed Nov. 9, 1946. O. G. Oct. 29. Class 44.

School House Candy Co.: *See*—
School House Candy Company.

School House Candy Company, Providence, R. I., assignor to School House Candy Co. Designated candies. 425,048; Oct. 29. Class 46.

Schutter Candy Division: *See*—
Schutter-Johnson Candy Co.

Schutter-Johnson Candy Co., to The Universal Match Corporation, doing business as Schutter Candy Division, Chicago, Ill. Candy. 220,191; renewed Nov. 2, 1946. O. G. Oct. 29. Class 46.

Schutter-Johnson Candy Company, to The Universal Match Corporation, doing business as Schutter Candy Division, Chicago, Ill. Candy. 220,858; renewed Nov. 16, 1946. O. G. Oct. 29. Class 46.

Screw Machine Tool Company: *See*—
Schlitters, Michael J.

Sewall Paint & Varnish Company, Kansas City, Mo. Paints in paste or semi-paste form. 425,029; Oct. 29. Class 16.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Flush valve bulbs. 424,845; Oct. 29; Serial No. 469,366; published Aug. 6, 1946. Class 13.

Sherman Bows: *See*—
Sherman, Sol.

Sherman, Sol, doing business as Sherman Bows, New York, N. Y. Neckties and bow ties. 425,036; Oct. 29. Class 39.

Shields Chemical Products: *See*—
Shields, Ronald E.

Shields, Ronald E., doing business as Shields Chemical Products, West Pittston, Pa. Furniture polish and floor wax. 425,084; Oct. 29. Class 16.

Shortlidge, Wentworth H., doing business as Five-In-One Ventilator Company, Pittsburgh, Pa. Window ventilators. 425,017; Oct. 29; Serial No. 498,718; published Aug. 6, 1946. Class 34.

Siegel, Jacob, Company, Philadelphia, Pa. Men's and boys' clothing. 425,085; Oct. 29. Class 39.

Silex Company, The, Hartford, Conn. Electric pressing irons and electric combination steaming and pressing irons. 424,994; Oct. 29; Serial No. 496,169; published July 23, 1946. Class 21.

Simon Millinery Company: *See*—
Simon Millinery Supply Co.

Simon Millinery Supply Co., to Simon Millinery Company, San Francisco, Calif. Ladies' and misses' hats. 219,624; renewed Oct. 19, 1946. O. G. Oct. 29. Class 39.

Singer Manufacturing Company, The, Elizabeth, N. J. Family and manufacturing sewing machines, their parts and attachments, etc. 424,852; Oct. 29; Serial No. 473,547; published Aug. 6, 1946. Class 23.

Societe des Usiness Chimiques Rhone-Poulenc: *See*—
Les Etablissements Poulenc Freres.

Societe Francaise des Produits de Beaute, Paris, France. Certain toilet preparations. 219,369; renewed Oct. 19, 1946. O. G. Oct. 29. Class 6.

Southern Biscuit Company, Incorporated, Richmond, Va. Cookies in the nature of sandwiches. 424,844; Oct. 29; Serial No. 469,066; published May 14, 1946. Class 46.

Soya Bean Products Company: *See*—
Nagao, Shimpei.

Sport Products Inc., Cincinnati, Ohio. Tennis rackets. 424,932; Oct. 29; Serial No. 491,033; published Aug. 6, 1946. Class 22.

Spring-Air Company, Holland, Mich. Mattresses and mattress spring units. 424,939; Oct. 29; Serial No. 491,592; published Aug. 13, 1946. Class 32.

Springfield Tomato Co. Inc., Springfield, Mass. Fresh tomatoes. 425,091; Oct. 29. Class 46.

Standard Oil Company of New Jersey: *See*—
Standard Oil Company (New Jersey).

Standard Oil Company (New Jersey), Bayonne, N. J., to Standard Oil Company of New Jersey, Wilmington, Del. Certain named oils and greases. 219,157; renewed Oct. 12, 1946. O. G. Oct. 29. Class 15.

Standard Oil Company (New Jersey), Bayonne, N. J., and New York, N. Y., to Standard Oil Company of New Jersey, Wilmington, Del. Certain named oils and greases. 219,763; renewed Oct. 26, 1946. O. G. Oct. 29. Class 15.

Statler Manufacturing Company, Chicago, Ill. Toy pistols. 425,023; Oct. 29; Serial No. 500,634; published Aug. 13, 1946. Class 22.

Steinman Bros., New York, N. Y. Handbags and purses. 424,995; Oct. 29; Serial No. 496,171; published Aug. 6, 1946. Class 3.

Sterling Tailoring Company: *See*—
Kahn Tailoring Co.

Stover Manufacturing & Engine Co., Freeport, Ill., to Rockwell Manufacturing Company, Pittsburgh, Pa. Mops and handles therefor. 213,642; renewed June 1, 1946. O. G. Oct. 29. Class 29.

Stover Manufacturing & Engine Co., Freeport, Ill., to Rockwell Manufacturing Company, Pittsburgh, Pa. Stove dampers and spindles therefor. 214,464; renewed June 22, 1946. O. G. Oct. 29. Class 34.

Stover Manufacturing & Engine Co., Freeport, Ill., to Rockwell Manufacturing Company, Pittsburgh, Pa. Mops and handles therefor. 216,198; renewed Aug. 3, 1946. O. G. Oct. 29. Class 29.

Stover Manufacturing & Engine Co., Freeport, Ill., to Rockwell Manufacturing Company, Pittsburgh, Pa. Stove dampers and spindles therefor. 217,139; renewed Aug. 24, 1946. O. G. Oct. 29. Class 34.

Sun-Bird Packing Co., Ltd.: *See*—
Mattison, Raymond J.

Superior Hat Co., St. Louis, Mo. Harvest, outing, and sport hats. 220,929; renewed Nov. 16, 1946. O. G. Oct. 29. Class 39.

Taylor & Caldwell, Inc.: *See*—
Taylor, Henry P., Jr.

Taylor, Henry P., Jr., Richmond, Va., to Taylor & Caldwell, Inc., Walkerton, Va. Canned fruits and vegetables. 220,782; renewed Nov. 16, 1946. O. G. Oct. 29. Class 46.

Taylor, Henry P., Jr., to Taylor & Sledd, Inc., Richmond, Va. Canned fruits and vegetables. 220,939; renewed Nov. 16, 1946. O. G. Oct. 29. Class 46.

Taylor, Henry P., Jr., Richmond, to Taylor & Caldwell, Inc., Walkerton, Va. Canned fruits and vegetables. 220,940; renewed Nov. 16, 1946. O. G. Oct. 29. Class 46.

Taylor & Sledd, Inc.: *See*—
Taylor, Henry P., Jr.

Telstop Manufacturing Co.: *See*—
McKinney, William W.

Texarkana Candy Company: *See*—
Haynes, John E.

Texarkana Cotton Oil Co., Texarkana, Ark. Cottonseed meal, and cottonseed hulls. 221,077; renewed Nov. 23, 1946. O. G. Oct. 29. Class 46.

Tile-Tex Company, The: *See*—
Flexible Slate Products Co.

Timely Accessories, Inc., New York, N. Y. Dickeys. 425,030; Oct. 29. Class 39.

Titan Safety Shoe Co., Spencer, Mass. Leather and rubber shoes. 424,968; Oct. 29; Serial No. 494,414; published July 16, 1946. Class 39.

Titanine, Inc., Union, N. J. Certain paints and painters' materials. 221,217; renewed Nov. 23, 1946. O. G. Oct. 29. Class 16.

Tru-Test: *See*—
Oakes & Company.
Tyler, W. S., Company, The, Cleveland, Ohio. Woven-wire screen cloth. 220,284; renewed Nov. 9, 1946. O. G. Oct. 29. Class 13.
United States Rubber Company, New York, N. Y. Synthetic rubber material. 424,926; Oct. 29; Serial No. 490,345; published Aug. 13, 1946. Class 35.
Universal Engineering Corporation, Cedar Rapids, Iowa. Crushers, screeners, conveyors, etc. 424,848; Oct. 29; Serial No. 470,360; published Aug. 6, 1946. Class 23.
Universal Match Corporation, The: *See*—
Schutter-Johnson Candy Co.
Schutter-Johnson Candy Company.
Universal Mills, Fort Worth, Tex. Poultry feed. 219,573; renewed Oct. 19, 1946. O. G. Oct. 29. Class 46.
Universal Ribbon Company, New York, N. Y. Ribbons sold by the spool. 424,947; Oct. 29; Serial No. 493,156; published Aug. 13, 1946. Class 42.
Utica Cutlery Company, Utica, N. Y. Cutlery. 425,070; Oct. 29. Class 23.
Vallanos Company, The: *See*—
Vallanos, John N.
Vallanos, John N., doing business as The Vallanos Company, assignor to The Vallanos Company, San Francisco, Calif. Canned mackerel. 425,007; Oct. 29; Serial No. 497,147; published Aug. 13, 1946. Class 46.
Vandam, Albert H., Co., Inc., New York, N. Y. Fabrics of cotton. 424,876; Oct. 29; Serial No. 482,860; published Mar. 12, 1946. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods of rayon fibres, cotton, wool, or silk, and of mixtures thereof. 424,867; Oct. 29; Serial No. 480,848; published Aug. 13, 1946. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods of rayon fibres, cotton, wool, or silk, and mixtures thereof. 424,868; Oct. 29; Serial No. 480,850; published Aug. 13, 1946. Class 42.
Vigoray Ozone Generator Company: *See*—
Brown, W. G.
Vogel, William D., doing business as American Lady Specialties Mfg. Co., St. Louis, Mo. Hair nets. 424,859; Oct. 29; Serial No. 477,959; published Apr. 24, 1945. Class 39.
Von Ahrens, Robert H., doing business as The Robvon Backing Ring and Fabricating Company, Denver, Colo. Welding backing rings. 424,910; Oct. 29; Serial No. 488,839; published Aug. 13, 1946. Class 13.
Walther, John, Fabrics, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 425,074; Oct. 29. Class 42.
Wellman, Edna G.: *See*—
Millin Drug Company.
Wesson Company, Ferndale, Mich. Milling cutters. 424,990; Oct. 29; Serial No. 495,924; published Aug. 6, 1946. Class 23.
West Virginia Pulp and Paper Company, New York, N. Y. Bond paper. 424,889; Oct. 29; Serial No. 484,286; published Aug. 13, 1946. Class 37.
White Rock Corporation, New York, N. Y. Sparkling water and other nonalcoholic, maltless, carbonated, and noncarbonated beverages. 425,008; Oct. 29; Serial No. 497,430; published July 23, 1946. Class 45.
Whiting Corporation, Harvey, Ill. Electric arc furnaces. 424,875; Oct. 29; Serial No. 482,826; published July 23, 1946. Class 21.
Willey, R. F., doing business as Georgie Porgie Company, Council Bluffs, Iowa. Cereal breakfast foods and popcorn. 424,921; Oct. 29; Serial No. 490,000; published Aug. 6, 1946. Class 46.
Williams, Arthur A., doing business as Goodwill Shoe Company, to Goodwill Shoe Company, Holliston, Mass. Shoes, slippers, and boots. 221,007; renewed Nov. 23, 1946. O. G. Oct. 29. Class 39.
Williams, R. C., Wineries, Inc.: *See*—
Empire State Wine Co.
Willys-Overland Company, The, to The Willys-Overland Motors, Inc., Toledo, Ohio. Passenger-carrying automobiles. 219,790; renewed Oct. 26, 1946. O. G. Oct. 29. Class 19.
Willys-Overland Motors, Inc., The: *See*—
Willys-Overland Company, The.
Windsor-Lloyd Products, Inc., Philadelphia, Pa. Asphalt roofing paper. 424,858; Oct. 29; Serial No. 477,727; published Aug. 6, 1946. Class 12.
Wullschleger & Co., New York, N. Y. Fabrics in the piece. 424,901; Oct. 29; Serial No. 487,453; published Aug. 13, 1946. Class 42.
Wyman, Anthony J., Orange, N. J. Golf balls, golf bags, and wrist band grips. 424,847; Oct. 29; Serial No. 470,325; published Aug. 13, 1946. Class 22.
Wyner, I. A., & Co., Inc., New York, N. Y. Knitted piece goods. 217,651; renewed Sept. 7, 1946. O. G. Oct. 29. Class 42.
Wyner, I. A., & Co., Inc., New York, N. Y. Knitted piece goods. 218,273; renewed Sept. 21, 1946. O. G. Oct. 29. Class 42.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bristles, Toothbrush. Johnson & Johnson. 424,946; Oct. 29; Serial No. 493,125; published Aug. 6, 1946.
Coal. Black Star Coal Company. 221,212; renewed Nov. 23, 1946. O. G. Oct. 29.
Coal. Holmes-Darst Coal Corporation. 424,944; Oct. 29; Serial No. 493,005; published Aug. 13, 1946.
Leather. Full grained and buffed sole. Alpena Leather Corporation. 221,046; renewed Nov. 23, 1946. O. G. Oct. 29.
Material used as a filler in plastics, etc. Puget Sound Pulp & Timber Co. 424,905; Oct. 29; Serial No. 487,915; published Aug. 13, 1946.
Mink, Live. F. R. Marsh. 424,846; Oct. 29; Serial No. 469,960; published Aug. 13, 1946.

CLASS 2

Bags and sacks, Fabric. Bemis Bro. Bag Company. 424,933; Oct. 29; Serial No. 491,056; published Aug. 13, 1946.
Bags, garment bags, lingerie bags, etc., Costume. Plastron, Inc. 424,920; Oct. 29; Serial No. 489,981; published Aug. 13, 1946.
Bags, Waterproof. Bemis Bro. Bag Company. 424,930; Oct. 29; Serial No. 490,920; published Aug. 13, 1946.
Boxes and cases, and steel tills and trays, Certain named steel. Art Steel Co. Inc. 220,881; renewed Nov. 16, 1946. O. G. Oct. 29.
Cases, unfilled compacts, and unfilled lipstick holders, Unfilled vanity. Golden Arrow Toiletries. 424,929; Oct. 29; Serial No. 490,809; published Aug. 13, 1946.
Chutes and boxes, Mail. American Device Manufacturing Company. 214,551; renewed June 29, 1946. O. G. Oct. 29.
Containers, Food and beverage. Continental Can Company, Inc. 425,027; Oct. 29.
Holders, shells, and tanks, Gas. Cruse-Kemper Company. 220,787; renewed Nov. 16, 1946. O. G. Oct. 29.
Signals for rural mail boxes, Metal. W. W. McKinney. 424,916; Oct. 29; Serial No. 489,335; published Aug. 13, 1946.

CLASS 3

Handbags and purses. Steinman Bros. 424,995; Oct. 29; Serial No. 496,171; published Aug. 6, 1946.
Handbags and shoulder bags, Ladies'. Elizabeth Arden Sales Corporation. 425,021; Oct. 29; Serial No. 499,096; published Aug. 13, 1946.
Handbags, Ladies'. Goldsmith Brothers Manufacturing Co. Inc. 424,975; Oct. 29; Serial No. 494,968; published Aug. 13, 1946.
Leather goods. Rosenberg Brothers. 424,993; Oct. 29; Serial No. 496,163; published Aug. 13, 1946.
Martingales. N. Porter Saddle and Harness Company. 424,976; Oct. 29; Serial No. 494,978; published Aug. 13, 1946.
Trunks, portmanteaus, traveling cases, etc. J. B. Brooks & Co. Ltd. 424,898; Oct. 29; Serial No. 486,885; published Aug. 13, 1946.
Wallets. Aristocrat Leather Products, Inc. 425,053; Oct. 29.

CLASS 4

Abrasives. Pittsburgh Crushed Steel Co. Limited. 57,201; re-renewed Nov. 6, 1946. O. G. Oct. 29.
Cleaner. J. Olney. 425,024; Oct. 29.
Paper and cloth coated with abrasive material. Herman Behr & Co. 57,289; re-renewed Nov. 13, 1946. O. G. Oct. 29.
Soap, Scouring. Bon Ami Company. 218,840; renewed Oct. 5, 1946. O. G. Oct. 29.
Soaps for hygienic and antiseptic personal use. Lambert Pharmacal Co. 57,563; re-renewed Nov. 13, 1946. O. G. Oct. 29.

CLASS 6

Cosmetics and toilet preparations, essential oils, etc., Certain named. L. Scherk. 220,876; renewed Nov. 16, 1946. O. G. Oct. 29.
Cosmetics and toilet preparations; ethereal oils, etc., Certain named. L. Scherk. 220,835; renewed Nov. 16, 1946. O. G. Oct. 29.
Cream, astringent cream, acne cream, etc., Facial. R. M. Philes. 216,652; renewed Aug. 17, 1946. O. G. Oct. 29.
Extracts, and beef, iron, and wine, Beef. Liebig Extract Company. 52,782; re-renewed May 15, 1946. O. G. Oct. 29.
Fluids used in refrigeration. Roessler & Hasslacher Chemical Company. 216,805; renewed Aug. 24, 1946. O. G. Oct. 29.
Hairdressing. Night & Day Chemical Company. 218,528; renewed Sept. 28, 1946. O. G. Oct. 29.

Insecticides. Monsanto Chemical Works. 220,902; renewed Nov. 16, 1946. O. G. Oct. 29.
Medicinal preparation. S. Pfeiffer Mfg. Co. 220,370; renewed Nov. 9, 1946. O. G. Oct. 29.
Novarsenbenzol in tablet form. Les Etablissements Poulenc Freres. 213,716; renewed June 1, 1946. O. G. Oct. 29.
Perfumery, toilet lotions, hair tonic, etc. Estate Henry C. Miner, Inc. 216,651; renewed Aug. 17, 1946. O. G. Oct. 29.
Perfumes and essential oils, Artificial and essential. M. Naef & Cie. 210,971–2; renewed Mar. 30, 1946. O. G. Oct. 29.
Perfumes and essential oils, Artificial and synthetical. M. Naef & Cie. 210,907; renewed Mar. 30, 1946. O. G. Oct. 29.
Perfumes and essential oils, Artificial and synthetical. M. Naef & Cie. 210,910–20; renewed Mar. 30, 1946. O. G. Oct. 29.
Perfumes and essential oils, Artificial and synthetical. M. Naef & Cie. 210,922; renewed Mar. 30, 1946. O. G. Oct. 29.
Perfumes and essential oils, Artificial and synthetical. M. Naef & Co. 210,968; renewed Mar. 30, 1946. O. G. Oct. 29.
Perfumes and rouges. J. Desprez. 425,077; Oct. 29.
Perfumes, rouge, face powders, etc. Millin Drug Company. 206,646; renewed Dec. 8, 1945. O. G. Oct. 29.
Pharmaceutical preparations. Murray Frank & Associates. 425,046; Oct. 29.
Pomatum, with a base propidon vaccine. Les Etablissements Poulenc Freres. 213,715; renewed June 1, 1946. O. G. Oct. 29.
Powder, face powder, bath salts, etc., Talcum. R. Hudnut. 221,122; renewed Nov. 23, 1946. O. G. Oct. 29.
Preparation for the internal treatment of coughs, colds, and bronchitis. G. H. Center. 211,625; renewed Apr. 13, 1946. O. G. Oct. 29.
Salt, laundry starch, borax, etc. Griggs, Cooper & Company. 220,648; renewed Nov. 16, 1946. O. G. Oct. 29.
Tablets. K. A. Hughes Company. 221,245; renewed Nov. 23, 1946. O. G. Oct. 29.
Theobrominacetate of soda. Les Etablissements Poulenc Freres. 213,717; renewed June 1, 1946. O. G. Oct. 29.
Toilet preparations, Certain. Societe Francais des Produits de Beaute. 219,369; renewed Oct. 19, 1946. O. G. Oct. 29.
Toilet preparations, Certain named. Pinaud Incorporated. 220,778; renewed Nov. 16, 1946. O. G. Oct. 29.
Toilet preparations, incense, essential oils, etc., Certain named. L. Scherk. 220,834; renewed Nov. 16, 1946. O. G. Oct. 29.
Tooth-powder. Lambert Pharmacal Company. 55,690; re-renewed Aug. 21, 1946. O. G. Oct. 29.
Vegetable compound. Kloczewski & Co. 53,224; re-renewed May 29, 1946. O. G. Oct. 29.

CLASS 7

Twines, hemp tarred goods, jute tarred goods, etc., Certain named. Hanover Cordage Company. 220,780; renewed Nov. 16, 1946. O. G. Oct. 29.

CLASS 8

Pouches, Tobacco. Buxton, Incorporated. 221,068; renewed Nov. 23, 1946. O. G. Oct. 29.

CLASS 11

Ink, and fountan pen ink, Stamp pad. First Pan-American, Mercantile Corporation. 425,037; Oct. 29.

CLASS 12

Asphalt roofing paper. Windsor-Lloyd Products, Inc. 424,858; Oct. 29; Serial No. 477,727; published Aug. 6, 1946.
Cement composition, Fireproof and non-smoke producing high strength hydraulic. Kompolite Co., Inc. 424,849; Oct. 29; Serial No. 472,390; published Aug. 6, 1946.
Cementitious and moldable refractory preparations. Basic Refractories, Inc. 424,880; Oct. 29; Serial No. 483,604; published Aug. 13, 1946.
Culverts, sewers, and drains, Reenforced sections for forming. Elk River Concrete Products Co. 215,800; renewed July 27, 1946. O. G. Oct. 29.
Doors for buildings, metal doors, metal concrete forms and penstocks, Fire. H. Darby. 424,839; Oct. 29; Serial No. 465,735; published Aug. 6, 1946.
Doors, Overhead garage. Howell Manufacturing Company. 425,093; Oct. 29.
Floor composition, namely, asphalt and asphalt cement, concrete, etc., Industrial. Gellin Co. 424,862; Oct. 29; Serial No. 479,672; published Aug. 6, 1946.
Flooring, Tile. Flexible Slate Products Co. 219,107; renewed Oct. 12, 1946. O. G. Oct. 29.
Laminated industrial boards and wall boards. Cornell Wood Products Company. 424,966; Oct. 29; Serial No. 494,312; published Aug. 13, 1946.
Panel structures, Combination storm and screen. Lumberman's Door & Trim Company. 425,022; Oct. 29; Serial No. 499,643; published Aug. 6, 1946.
Plywood. Commonwealth Plywood Company Limited. 425,004; Oct. 29; Serial No. 496,431; published Aug. 6, 1946.
Screen doors and screen windows. National Screen Door Company. 424,938; Oct. 29; Serial No. 491,497; published Aug. 13, 1946.
Sheet material resistant to acid, flame and water. R. F. Hlavaty. 424,980; Oct. 29; Serial No. 495,235; published Aug. 6, 1946.
Tile grout, Prepared. California Stucco Company. 425,080; Oct. 29.

CLASS 13

Aerators attached to water faucets. Chicago Faucet Company. 424,954; Oct. 29; Serial No. 493,743; published Aug. 13, 1946.
Rings, Welding backing. R. H. Von Ahrens. 424,910; Oct. 29; Serial No. 488,839; published Aug. 13, 1946.
Supports, clothes line tighteners, and clothes line pulleys, Clothes line. BIC Manufacturing Corporation. 424,965; Oct. 29; Serial No. 494,300; published Aug. 6, 1946.
Tub fillers and valves, Metallic. Globe Valve Corporation. 424,950; Oct. 29; Serial No. 493,347; published Aug. 13, 1946.
Tubing, Brass, copper, and steel. Pipe & Tube Products, Inc. 425,052; Oct. 29.
Valve bulbs, Flush. J. A. Sexauer Mfg. Co., Inc. 424,845; Oct. 29; Serial No. 469,366; published Aug. 6, 1946.
Woven-wire screen cloth. W. S. Tyler Company. 220,284; renewed Nov. 9, 1946. O. G. Oct. 29.

CLASS 14

Steel in bars, plates, rods, and wire. Hobson, Houghton & Co., Limited. 54,661; re-renewed June 26, 1946. O. G. Oct. 29.

CLASS 15

Oils and greases, Certain named. Standard Oil Company (New Jersey). 219,157; renewed Oct. 12, 1946. O. G. Oct. 29.
Oils and greases, Certain named. Standard Oil Company (New Jersey). 219,763; renewed Oct. 26, 1946. O. G. Oct. 29.
Oils, greases, and other products made from petroleum, Refined, semirefined, and unrefined. Imperial Oil Ltd. 217,266; renewed Aug. 31, 1946. O. G. Oct. 29.

CLASS 16

Lacquers. Patek Brothers, Inc. 221,265; renewed Nov. 23, 1946. O. G. Oct. 29.
Paint, Plastic oil. Patek Brothers, Inc. 221,185; renewed Nov. 23, 1946. O. G. Oct. 29.
Paint, Ready-mixed. Bradley & Vrooman Company. 219,837; renewed Oct. 26, 1946. O. G. Oct. 29.
Paint, Semipaste. Patek Brothers, Inc. 221,180; renewed Nov. 23, 1946. O. G. Oct. 29.
Paints and painters' materials, Certain. Titanine, Inc. 221,217; renewed Nov. 23, 1946. O. G. Oct. 29.
Paints and varnishes, Dry, paste, and ready-mixed. Hoffman Wall Paper Co., Inc. 221,254; renewed Nov. 23, 1946. O. G. Oct. 29.
Paints in paste or semi-paste form. Sewall Paint & Varnish Company. 425,029; Oct. 29.
Polish and floor wax, Furniture. R. E. Shields. 425,084; Oct. 29.
Varnish. Patek Brothers, Inc. 221,262; renewed Nov. 23, 1946. O. G. Oct. 29.

CLASS 17

Cigars. Cuesta, Rey & Company. 218,946; renewed Oct. 5, 1946. O. G. Oct. 29.
Cigars. N. R. Renze. 209,803; renewed Mar. 2, 1946. O. G. Oct. 29.
Cigars, cigarettes, pipe and chewing tobacco. Revoc, Inc. 424,906; Oct. 29; Serial No. 488,371; published Aug. 13, 1946.
Tobacco, cigarettes and cigars, Pipe and cigarette. Piezo Manufacturing Corporation. 424,949; Oct. 29; Serial No. 493,212; published Aug. 6, 1946.

CLASS 19

Automobiles, Passenger-carrying. Willys-Overland Company. 219,790; renewed Oct. 26, 1946. O. G. Oct. 29.

CLASS 21

Cables, flashlights, automobile fuses, etc., Battery. Phillips Petroleum Company. 424,841; Oct. 29; Serial No. 468,730; published July 23, 1946.
Capacitors, Electrical. Pyramid Electric Company. 424,940; Oct. 29; Serial No. 491,773; published July 23, 1946.
Cords, Extensible electrical. Kellogg Switchboard and Supply Company. 425,001; Oct. 29; Serial No. 496,313; published July 23, 1946.
Cords, Extensible electrical. Kellogg Switchboard and supply Company. 425,002; Oct. 29; Serial No. 496,316; published July 23, 1946.
Electric cooking ranges and deep well cookers. Gibson Refrigerator Company. 424,919; Oct. 29; Serial No. 489,734; published Aug. 13, 1946.

Electric-lamps and fittings, Incandescent. Edison and Swan United Electric Light Company Limited. 52,320; re-renewed May 8, 1946. O. G. Oct. 29.
Electric speaker units. Baron Hartsough. 424,909; Oct. 29; Serial No. 488,691; published Aug. 6, 1946.
Electric tools. Oakes & Company. 424,866; Oct. 29; Serial No. 480,614; published Aug. 6, 1946.
Electrical appliances and parts thereof. Follsain Metals Ltd. 424,857; Oct. 29; Serial No. 477,604; published Aug. 6, 1946.
Electrical fire alarm apparatus. H. P. Riodan. 424,943; Oct. 29; Serial No. 492,955; published Aug. 13, 1946.
Electrical lug connectors. Dossert Mfg. Corp. 424,971; Oct. 29; Serial No. 494,662; published Aug. 6, 1946.
Furnaces, Electric arc. Whiting Corporation. 424,875; Oct. 29; Serial No. 482,828; published July 23, 1946.
Generators and apparatus, Electric ozone. Automatic Pump & Softener Corporation. 424,903; Oct. 29; Serial No. 487,758; published July 23, 1946.
Ignition and other electrical parts, Certain named. Machined Parts Corporation. 219,910; renewed Oct. 26, 1946. O. G. Oct. 29.
Irons and electric combination steaming and pressing irons, Electric pressing. Silex Company. 424,994; Oct. 29; Serial No. 496,169; published July 23, 1946.
Radio equipment. Erco Radio Laboratories, Inc. 424,863; Oct. 29; Serial No. 480,283; published July 23, 1946.
Radio receiving sets. Rice-Stix Dry Goods Company. 424,999; Oct. 29; Serial No. 496,274; published Aug. 6, 1946.
Radio telephone units and parts thereof, Marine. Hudson American Corporation. 424,958–60; Oct. 29; Serial No. 493,963–5; published Aug. 13, 1946.
Relays, Electric. P. Henry. 424,863; Oct. 29; Serial No. 479,874; published Aug. 6, 1946.
Tape, Yellow varnished cambric. Irvington Varnish & Insulator Co. 424,948; Oct. 29; Serial No. 493,193; published July 23, 1946.
Telephones, switchboards, telephone field sets. Kellogg Switchboard and Supply Company. 425,058; Oct. 29.
Timers, starters and voltage limiters, etc. Picker X-Ray Corporation. Waite Manufacturing Division, Inc. 424,902; Oct. 29; Serial No. 487,522; published Aug. 6, 1946.
Tubes, High vacuum electronic. Brown, Boveri & Cie. 424,963–4; Oct. 29; Serial Nos. 494,209–10; published July 23, 1946.

CLASS 22

Blocks, Plastic. Airtronics Development Corporation. 425,067; Oct. 29.
Golf balls, golf bags, and wrist band grips. A. J. Wyman. 424,847; Oct. 29; Serial No. 470,325; published Aug. 13, 1946.
Fish bait, Canned. J. G. Manning. 424,915; Oct. 29; Serial No. 489,228; published Aug. 13, 1946.
Fishing lines. Rain-Beau Products Company. 424,955; Oct. 29; Serial No. 493,822; published Aug. 6, 1946.
Foot devices, Springmounted. J. R. Crissman. 424,931; Oct. 29; Serial No. 490,932; published Aug. 13, 1946.
Tennis rackets. Sport Products Inc. 424,932; Oct. 29; Serial No. 491,033; published Aug. 6, 1946.
Toy furniture sets and toy houses, Miniature. Paula Products. 425,009; Oct. 29; Serial No. 497,737; published Aug. 13, 1946.
Toy kites. Northwestern Kite Co. 425,010; Oct. 29; Serial No. 498,022; published Aug. 13, 1946.
Toy pistols. Statler Manufacturing Company. 425,023; Oct. 29; Serial No. 500,634; published Aug. 13, 1946.
Toys. Hobby Hill. 424,887; Oct. 29; Serial No. 484,025; published Aug. 6, 1946.
Toys having a plurality of removable colored pegs, Pull. Hobby Hill. 424,885; Oct. 29; Serial No. 484,022; published Aug. 13, 1946.
Toys in the form of animals. Hobby Hill. 424,886; Oct. 29; Serial No. 484,024; published Aug. 13, 1946.

CLASS 23

Bearings, Journal. National Lead Company. 424,913; Oct. 29; Serial No. 489,139; published July 23, 1946.
Can making machines. Continental Can Company, Inc. 424,864; Oct. 29; Serial No. 480,164; published Aug. 13, 1946.
Carpet-sweepers. Bissell Carpet Sweeper Company. 28,616; re-renewed July 14, 1946. O. G. Oct. 29.
Clamps, Work holding. Grand Specialties Company. 424,982; Oct. 29; Serial No. 495,377; published Aug. 6, 1946.
Converters and fluid couplings, Combination hydraulic torque. Fuller Manufacturing Co. 424,860; Oct. 29; Serial No. 478,811; published July 23, 1946.
Conveying apparatus, Portable power driven belt. Coaltoter Conveyer Co. 424,912; Oct. 29; Serial No. 489,102; published Aug. 6, 1946.
Conveyor doughnut coolers, Power driven, endless chain. Joe Lowe Corporation. 424,918; Oct. 29; Serial No. 489,670; published Aug. 13, 1946.
Crushers, screeners, conveyors, etc. Universal Engineering Corporation. 424,848; Oct. 29; Serial No. 470,360; published Aug. 6, 1946.
Cutlery. Utica Cutlery Company. 425,070; Oct. 29.
Cutlery and parts thereof, Kitchen, table and household. Gailstyn Company. 424,981; Oct. 29; Serial No. 495,372; published Aug. 6, 1946.
Cutters, Milling. Wesson Company. 424,990; Oct. 29; Serial No. 495,924; published Aug. 6, 1946.
Depressors, Valve spring. Paxton Diesel Engineering Company. 425,061; Oct. 29.
Diaphragm compressors. Defiance Alloyed Products Co. 424,840; Oct. 29; Serial No. 466,324; published Aug. 13, 1946.
Dies, molding dies, cutting tools, etc., Metal working and forming. DoALL Company. 424,899; Oct. 29; Serial No. 487,178; published Aug. 13, 1946.
Dishwashing machines. E. P. O'Halloran. 424,895; Oct. 29; Serial No. 485,791; published July 23, 1946.
Dust collectors, Portable. J. S. Clark Company. 424,884; Oct. 29; Serial No. 483,960; published Aug. 6, 1946.
Fire detecting and extinguishing apparatus, Fixed. Walter Kidde & Company, Inc. 424,894; Oct. 29; Serial No. 485,298; published July 23, 1946.
Heads for deep well pumps, Air balanced actuating. Lacy Oil Tool Company. 424,972; Oct. 29; Serial No. 494,753; published Aug. 13, 1946.
Internal combustion engines, miniature fuel tanks, miniature carburetors, Miniature model. Melcraft. 424,977; Oct. 29; Serial No. 495,082; published Aug. 6, 1946.
Knives. Kutlery for Kits. 425,066; Oct. 29.
Lathes, milling-machines, boring-mills, etc. Gisholt Machine Company. 56,496; re-renewed Oct. 2, 1946. O. G. Oct. 29.
Lawn mowers. American Chain & Cable Company, Inc. 424,787; Oct. 29; Serial No. 482,965; published July 23, 1946.
Lawn mowers. American Chain & Cable Company, Inc. 424,877; Oct. 29; Serial No. 482,962; published July 23, 1946.
Machinery and parts thereof, Metal working. Aircraft Machinery Corporation. 424,870; Oct. 29; Serial No. 482,191; published July 23, 1946.
Plows, cultivators, harrows, handles for agricultural instruments, etc. Empire Plow Company. 213,086; renewed June 1, 1946. O. G. Oct. 29.
Pulsators for milking machines. Rite-Way Products Company. 424,892; Oct. 29; Serial No. 484,703; published Aug. 13, 1946.
Pumping units, Engine driven oil. Power Machinery Company. 425,038–9; Oct. 29.
Presses, Baling. Precision Parts Company. 424,979; Oct. 29; Serial No. 495,152; published July 23, 1946.
Razor blades. American Safety Razor Corporation. 424,986; Oct. 29; Serial No. 495,783; published July 23, 1946.
Road-grading machines, rock crushers, elevators, etc. American Road Machinery Company, Inc. 215,404; renewed July 20, 1946. O. G. Oct. 29.
Saws. Henry Disston & Sons, Incorporated. 53,699; renewed June 12, 1946. O. G. Oct. 29.
Saws. Henry Disston & Sons, Incorporated. 53,702; renewed June 12, 1946. O. G. Oct. 29.
Saws. Henry Disston & Sons, Incorporated. 53,752; renewed June 12, 1946. O. G. Oct. 29.
Saws. Henry Disston & Sons, Incorporated. 54,244; renewed June 26, 1946. O. G. Oct. 29.
Sewing machines, Electric. Free Sewing Machine Company. 212,636; renewed May 11, 1946. O. G. Oct. 29.
Sewing machines, their parts and attachments, etc., Family and manufacturing. Singer Manufacturig Company. 424,852; Oct. 29; Serial No. 473,547; published Aug. 6, 1946.
Slicing machinery. American Slicing Machine Company. 220,685; renewed Nov. 16, 1946. O. G. Aug. 29.
Tool holders and parts, Screw machines and turret lathe. M. J. Schlitters. 425,005; Oct. 29; Serial No. 496,521; published Aug. 6, 1946.
Unitary apparatus. Buckeye Laboratories Corporation. 424,856; Oct. 29; Serial No. 476,658; published July 23, 1946.
Vending machine, Electric high frequency induction. Radio Chef, Inc. 424,962; Oct. 29; Serial No. 494,121; published July 23, 1946.
Wrenches and pliers. Barcalo Manufacturing Company. 424,879; Oct. 29; Serial No. 482,969; published Jan. 15, 1946.
Wrenches, box wrenches, open end wrenches, etc., Socket. Blackhawk Mfg. Co. 424,871; Oct. 29; Serial No. 482,457; published July 23, 1946.

CLASS 26

Films, Motion picture travel. H. F. Jenkins. 425,081; Oct. 29.

CLASS 29

Mops and handles therefor. Stover Manufacturing & Engine Co. 213,642; renewed June 1, 1946. O. G. Oct. 29.
Mops and handles therefor. Stover Manufacturing & Engine Co. 216,198; renewed Aug. 3, 1946. O. G. Oct. 29.

CLASS 30

Dishes, China. Golden Rule, Incorporated. 216,392; renewed Aug. 10, 1946. O. G. Oct. 29.
Earthenware, Table. Johnson Brothers, (Hanley) Limited. 207,950; renewed Jan. 12, 1946. O. G. Oct. 29.

CLASS 31

Filtermass. Cellulo Company. 424,951; Oct. 29; Serial No. 498,395; published Aug. 6, 1946.

CLASS 32

Bed bolsters. M. Lipps. 424,936; Oct. 29; Serial No. 491,165; published Aug. 6, 1946.
Display-racks. J. H. Best. 53,161; re-renewed May 29, 1946. O. G. Oct. 29.
Divans, Sectional. Furniture Developments Co. 424,934; Oct. 29; Serial No. 491,084; published Aug. 13, 1946.
Furniture, Living room, dining room and bedroom. Leonardo Furniture Co. Incorporated. 424,896; Oct. 29; Serial No. 485,916; published Aug. 13, 1946.
Mattresses. S. G. Crupka Co. Inc. 220,773; renewed Nov. 16, 1946. O. G. Oct. 29.
Mattresses and mattress spring units. Spring-Air Company. 424,939; Oct. 29; Serial No. 491,592; published Aug. 13, 1946.

CLASS 33

Glass globes, reflectors, and plates, Prismatic. Holophane Glass Company, Inc. 217,786; renewed Sept. 7, 1946. O. G. Oct. 29.

CLASS 34

Apparatus for conditioning air. Peirson-Moore Co. 425,090; Oct. 29.
Dampers and spindles therefor, Stove. Stover Manufacturing & Engine Co. 214,464; renewed June 22, 1946. O. G. Oct. 29.
Dampers and spindles therefor, Stove. Stover Manufacturing & Engine Co. 217,139; renewed Aug. 24, 1946. O. G. Oct. 29.
Duct sections, Prefabricated. Arrowhead Rubber Company. 424,941; Oct. 29; Serial No. 491,794; published Aug. 13, 1946.
Fireplace fixture or front. Merryweather Products Company. 424,917; Oct. 29; Serial No. 489,339; published Aug. 6, 1946.
Gasoline-engine-driven blower units, etc. Homelite Corporation. 424,967; Oct. 29; Serial No. 494,324; published Aug. 6, 1946.
Glass, plastics, combinations of glass and metal, etc. Holophane Company, Inc. 424,908; Oct. 29; Serial No. 488,525; published Aug. 6, 1946.
Lighters, Cigar and cigarette. Oxford-Pyke, Inc. 425,071; Oct. 29.
Lighters, Liquid fuel burning. Haase Manufacturing Co. 424,984; Oct. 29; Serial No. 495,736; published Aug. 6, 1946.
Lighters of the catalytic type and parts etc., Cigar, cigarette, and pipe. Lektrolite Corporation. 424,961; Oct. 29; Serial No. 494,086; published Aug. 6, 1946.
Oil-burning equipment. Cleveland Universal Parts Company. 220,687; renewed Nov. 16, 1946. O. G. Oct. 29.
Stoves and ranges, Wood and coal. Eagle Stove Works. 217,574; renewed Sept. 7, 1946. O. G. Oct. 29.
Ventilating units, Diffuser type. Anemostat Corporation of America. 424,882–3; Oct. 29; Serial Nos. 483,886–7; published Aug. 13, 1946.
Ventilators, Window. W. H. Shortlidge. 425,017; Oct. 29; Serial No. 498,718; published Aug. 6, 1946.

CLASS 35

Belts, Power transmission and conveyor. Dayton Rubber Manufacturing Company. 424,888; Oct. 29; Serial No. 484,120; published Aug. 13, 1946.
Repair materials, Tire. B. F. Goodrich Company. 424,925; Oct. 29; Serial No. 490,241; published Aug. 13, 1946.
Rubber material, Synthetic. United States Rubber Company. 424,926; Oct. 29; Serial No. 490,345; published Aug. 13, 1946.

CLASS 36

Machines of the record type. Brunswick-Balke-Collender Company. 220,771; renewed Nov. 16, 1946. O. G. Oct. 29.

CLASS 37

Duplicating supplies. American Stencil Mfg. Co. 424,927; Oct. 29; Serial No. 490,620; published Aug. 13, 1946.
Paper and envelops, Writing. Z. & W. M. Crane. 29,024; re-renewed Oct. 20, 1946. O. G. Oct. 29.
Paper, Bond. West Virginia Pulp and Paper Company. 424,889; Oct. 29; Serial No. 484,286; published Aug. 13, 1946.
Paper, Bond and ledger. Crocker-McElwain Company. 220,536; renewed Nov. 9, 1946. O. G. Oct. 29.
Paper, wax lunch rolls, dry and waxed shredded paper, etc., Wax. Bennington Wax Paper Company. 218,610–13; renewed Sept. 28, 1946. O. G. Oct. 29.
Stationery. J. M. Katz. 424,914; Oct. 29; Serial No. 489,179; published Aug. 13, 1946.
Stationery. J. M. Katz. 425,049; Oct. 29.

CLASS 38

Magazine, Monthly. Associated Pennsylvania Constructors. 214,275; renewed June 15, 1946. O. G. Oct. 29.
Magazine, Semi-monthly. Metronome Publishing Co. Inc. 214,874; renewed July 6, 1946. O. G. Oct. 29.
Publication of which there are three separate editions, Monthly. Alfred M. Best Company, Inc. 220,151; renewed Nov. 2, 1946. O. G. Oct. 29.

CLASS 39

Apparel, Wearing. Phillips Petroleum Company. 424,842; Oct. 29; Serial No. 468,732; published Aug. 13, 1946.
Boots and shoes. C. H. Hyer & Sons. 425,057; Oct. 29.
Boots and shoes, Leather. Old Colony Shoe Company. 220,048; renewed Nov. 2, 1946. O. G. Oct. 29.
Boots and shoes of leather, fabric, and/or combinations thereof. International Shoe Company. 424,853; Oct. 29; Serial No. 474,853; published Aug. 6, 1946.
Boots and shoes, Women's and misses'. British West Indies Co. 425,056; Oct. 29.
Brassières. J. Bonomo. 424,924; Oct. 29; Serial No. 490,227; published July 16, 1946.
Clothing. Levinsohn Bros. Co. Inc. 424,869; Oct. 29; Serial No. 482,168; published Aug. 13, 1946.
Clothing, Certain articles of. David H. Posner, Inc. 219,660; renewed Oct. 19, 1946. O. G. Oct. 29.
Clothing, Certain named. Palace Clothing Company. 220,649; renewed Nov. 16, 1946. O. G. Oct. 29.
Clothing, Men's and boys'. Jacob Siegel Company. 425,085; Oct. 29.
Coats and coat ensembles, Girls' and misses'. Marianna Girl Coat Co. 425,065; Oct. 29.
Coats, suits, dresses, etc., Children's. Allied Stores Corporation. 425,040–1; Oct. 29.
Coats, suits, socks, Women's and Children's. Jordan Marsh Company. 425,072; Oct. 29.
Coats, Women's, misses', girls', teens' and juniors'. Raingard, Inc. 425,059; Oct. 29.
Corsets, corselets, girdles, etc. La Resista Corset Company. 425,031; Oct. 29.
Cravats, neckties, sport shirts, etc. Muray Raspler. 424,942; Oct. 29; Serial No. 492,396; published Aug. 13, 1946.
Dickeys. Timely Accessories, Inc. 425,030; Oct. 29.
Dresses. Isaac Ginsberg & Bros., Inc. 425,086; Oct. 29.
Dresses, coats, suits, etc., Junior and girls'. Associated Merchandising Corporation. 425,092; Oct. 29.
Dresses, Ladies' and misses'. Moly Malone, Inc. 425,087; Oct. 29.
Garments. Rueda & Co. 424,911; Oct. 29; Serial No. 489,015; published July 16, 1946.
Garments, Children's. E. R. Moore Company. 424,937; Oct. 29; Serial No. 491,211; published Aug. 13, 1946.
Garments, Infants' restraining and protecting. M. E. Muth. 425,034; Oct. 29.
Garments, Sleeping. Perry Knitting Company. 424,970; Oct. 29; Serial No. 494,626; published Aug. 6, 1946.
Gloves, Alexandrine. 206,729; renewed Dec. 8, 1945. O. G. Oct. 29.
Gloves. C. D. Osborn Co. 205,513; renewed Nov. 10, 1945. O. G. Oct. 29.
Gloves. C. D. Osborn Co. 205,515; renewed Nov. 10, 1945. O. G. Oct. 29.
Gloves. J. M. Rubin & Sons. 425,068; Oct. 29.
Gloves, Leather. Hansen Glove Corporation. 425,050–1; Oct. 29.
Hair nets. W. D. Vogel. 424,859; Oct. 29; Serial No. 477,959; published Apr. 24, 1945.
Hat size reducer in the nature of a strip of flexible material. I. B. Miller. 424,945; Oct. 29; Serial No. 493,017; published Aug. 6, 1946.
Hats, Harvest, outing, and sport. Superior Hat Co. 220,929; renewed Nov. 16, 1946. O. G. Oct. 29.
Hats, Ladies' and misses'. Simon Millinery Supply Co. 219,624; renewed Oct. 19, 1946. O. G. Oct. 29.
Hats, Ladies' and misses'. Andrew Forbes Incorporated. 425,042; Oct. 29.
Hats, Women's. Salfair. 425,035; Oct. 29.
Hose, Men's half. American Cellulose & Chemical Manufacturing Company Ltd. 221,247; renewed Nov. 23, 1946. O. G. Oct. 29.
Hosiery. W. P. Harris. 425,079; Oct. 29.
Hosiery. S. S. Kresge Company. 425,012; Oct. 29; Serial No. 498,288; published Aug. 13, 1946.
Hosiery. Penn Hosiery Mills, Inc. 424,851; Oct. 29; Serial No. 473,545; published Dec. 12, 1944.
Hosiery, Infants'. Dixie Hosiery Mills, Inc. 218,568; renewed Sept. 28, 1946. O. G. Oct. 29.
Hosiery, kerchiefs, collars, etc. Groff's Inc. 425,055; Oct. 29.
Neckties. Hollyvogue ties. 424,891; Oct. 29; Serial No. 484,570; published July 16, 1946.
Neckties and bow ties. S. Sherman. 425,036; Oct. 29.
Negligees, housecoats, pajamas, etc. D. Friedman. 425,089; Oct. 29.
Outer garments, Women's and misses' knitted. Exmoor Knitwear Co. 425,062; Oct. 29.
Overalls and dungarees. Commerce Manufacturing Company, Inc. 425,006; Oct. 29; Serial No. 497,070; published Aug. 13, 1946.

Overalls and work clothes. J. C. Penney Company. 216,168; renewed Aug. 3, 1946. O. G. Oct. 29.
Overalls and work clothes. J. C. Penney Company. 216,274; renewed Aug. 10, 1946. O. G. Oct. 29.
Overalls, coveralls, crawlers, etc., Infants' and children's. Peter Pan Manufacturing Co. 424,992; Oct. 29; Serial No. 496,151; published Aug. 6, 1946.
Overalls, work pants, dungarees, etc. Blue Ridge Manufacturers, Incorporated. 424,969; Oct. 29; Serial No. 494,424; published Aug. 6, 1946.
Pajamas, slips, panties, Ladies'. Jay Kay Hammerman & Sons, Inc. 425,026; Oct. 29.
Panties, vests, bloomers, slips, etc., Women's and children's. Russell-Newman Manufacturing Company. 424,985; Oct. 29; Serial No. 495,764; published Aug. 13, 1946.
Shirts and pajamas, Men's and boys' outer. Phillips-Jones Corporation. 424,850; Oct. 29; Serial No. 473,291; published Mar. 20, 1945.
Shirts, pants, work coats, etc., Work. Reeves Brothers, Inc. 424,987; Oct. 29; Serial No. 495,905; published Aug. 6, 1946.
Shoe heels. Pereles Bros., Inc. 424,900; Oct. 29; Serial No. 487,436; published Aug. 6, 1946.
Shoes. B. A. Corbin & Son Co. 425,063; Oct. 29.
Shoes and boots. Moncey Products Corp. 424,952; Oct. 29; Serial No. 493,447; published Aug. 6, 1946.
Shoes and slippers, Leather. Armand Gagnon. 424,923; Oct. 29; Serial No. 490,113; published Aug. 6, 1946.
Shoes for women, Leather. Portland Footwear Co. 424,935; Oct. 29; Serial No. 491,118; published Aug. 6, 1946.
Shoes, Leather. A. J. Bates Co. 53,371; re-renewed June 5, 1946. O. G. Oct. 29.
Shoes, Leather. Dinny & Robbins Inc. 425,082; Oct. 29.
Shoes, Leather and rubber. Titan Safety Shoe Co. 424,968; Oct. 29; Serial No. 494,414; published July 16, 1946.
Shoes, slippers, and boots. A. A. Williams. 221,007; renewed Nov. 23, 1946. O. G. Oct. 29.
Shoes, Women's and misses'. Cortell Shoe Company. 425,025; Oct. 29.
Slippers, lounging shoes, and stadium boots, Bedroom. Berlin Tanning and Manufacturing Co. 425,047; Oct. 29.
Soles, Leather shoe. K. Hanfling & Son. 424,873; Oct. 29; Serial No. 482,487; published Aug. 13, 1946.
Sportswear consisting of slacks, skirts, dresses, etc. Joseph Rosenberg Co., Inc. 425,000; Oct. 29; Serial No. 496,275; published Aug. 13, 1946.
Sportswear, Knitted. Knitted Sales Company. 425,083; Oct. 29.
Suits, dresses, playsuits, etc., Children's. Cogswell Company. 424,953; Oct. 29; Serial No. 493,658; published Aug. 6, 1946.
Suits, overcoats, topcoats, etc., Men's and boys'. Desmond's, Inc. 425,011; Oct. 29; Serial No. 498,122; published Aug. 13, 1946.
Suits, topcoats, and overcoats, Men's and young men's. L. J. Samuels & Co., Inc. 424,890; Oct. 29; Serial No. 484,428; published Aug. 13, 1946.
Suits, topcoats, raincoats, etc., Men's and boys'. Meyer Greentree. 220,426; renewed Nov. 9, 1946. O. G. Oct. 29.
Suspenders. C. A. Edgarton Manufacturing Company. 57,138; re-renewed Nov. 6, 1946. O. G. Oct. 29.
Suspenders. C. A. Edgarton Manufacturing Company. 57,290; re-renewed Nov. 13, 1946. O. G. Oct. 29.
Suspenders, armbands, garters, etc. Globe Novelty House. 425,064; Oct. 29.
Sweaters. Globe Knitwear Co. 424,974; Oct. 29; Serial No. 494,898; published Aug. 6, 1946.
Undergarments, Ladies'. Davidson Brothers. 216,009; renewed Aug. 3, 1946. O. G. Oct. 29.
Underwear and hosiery, Knitted. J. S. Reeves & Co. 57,627; re-renewed Nov. 20, 1946. O. G. Oct. 29.
Wear, Ladies', children's, and infants'. J. H. Kelman. 425,044; Oct. 29.
Wearing apparel, Men's. Desmond Clothing Company. 209,165; renewed Feb. 16, 1946. O. G. Oct. 29.
Wearing apparel, Men's outer. Kahn Tailoring Co. 219,155; renewed Oct. 12, 1946. O. G. Oct. 29.
Wearing apparel, Men's outer. Kahn Tailoring Co. 219,350; renewed Oct. 19, 1946. O. G. Oct. 29.
Welting for boots and shoes. P. E. Barbour. 210,413; renewed Mar. 16, 1946. O. G. Oct. 29.

CLASS 40

Clasps, Garter. C. Cantello. 425,045; Oct. 29.

CLASS 42

Cloths, Polishing. Phillips Petroleum Company. 424,843; Oct. 29; Serial No. 468,735; published Aug. 13, 1946.
Cotton and linen piece goods. Dromona & Maine Limited. 424,973; Oct. 29; Serial No. 494,894; published Aug. 6, 1946.
Fabrics in the piece. Wullschleger & Co. 424,901; Oct. 29; Serial No. 487,453; published Aug. 13, 1946.
Fabrics in the piece, Woolen. Pacific Mills. 424,983; Oct. 29; Serial No. 495,689; published Aug. 6, 1946.
Fabrics, in the piece, Woolen and worsted. John Walther Fabrics, Inc. 425,074; Oct. 29.
Fabrics of cotton. Albert H. Vandam Co., Inc. 424,876; Oct. 29; Serial No. 482,860; published Mar. 12, 1946.
Piece goods, Knitted. I. A. Wyner & Co. Inc. 217,651; renewed Sept. 7, 1946. O. G. Oct. 29. Class 42.
Piece goods, Knitted. I. A. Wyner & Co., Inc. 218,273; renewed Sept. 21, 1946. O. G. Oct. 29.
Piece goods of cotton, rayon and/or combinations thereof. Cohn-Hall Marx Co. 424,861; Oct. 29; Serial No. 479,030; published June 19, 1945.
Piece goods of cotton, rayon, wool, etc. Riverside & Dan River Cotton Mills, Inc. 424,988-9; Oct. 29; Serial Nos. 495,907-8; published Aug. 6, 1946.
Piece goods of rayon fibres, cotton, wool, or silk, and mixtures thereof. Verney Fabrics Corporation. 424,868; Oct. 29; Serial No. 480,850; published Aug. 13, 1946.
Piece goods of rayon fibres, cotton, wool, or silk, and of mixtures thereof. Verney Fabrics Corporation. 424,867; Oct. 29; Serial No. 480,848; published Aug. 13, 1946.
Piece goods, Pile-fabric. J. B. Martin Company. 220,986; renewed Nov. 23, 1946. O. G. Oct. 29.
Piece goods, Pile-fabric. J. B. Martin Company. 221,113; renewed Nov. 23, 1946. O. G. Oct. 29.
Piece goods, Pile-fabric. J. B. Martin Company. 221,123; renewed Nov. 23, 1946. O. G. Oct. 29.
Ribbons sold by the spool. Universal Ribbon Company. 424,947; Oct. 29; Serial No. 493,156; published Aug. 13, 1946.
Sheeting, Vinyl type plastic. Crest Fabrics Corp. 425,088; Oct. 29.
Textile fabrics in the piece, Synthetic rubber coated cotton. Belgrade Fabrics, Inc. 424,904; Oct. 29; Serial No. 487,819; published Aug. 6, 1946.
Window-shade material. E. I. du Pont de Nemours and Company. 216,046; renewed Aug. 3, 1946. O. G. Oct. 29.
Wool blankets. Golden Rule, Incorporated. 217,148; renewed Aug. 24, 1946. O. G. Oct. 29.

CLASS 43

Yarn and threads, Cotton. J. R. Leeson & Co. 28,952; re-renewed Oct. 6, 1946. O. G. Oct. 29.
Yarns and threads. American Cellulose & Chemical Manufacturing Company Ltd. 220,983; renewed Nov. 23, 1946. O. G. Oct. 29.
Yarns, Cotton, silk, rayon, and wool. D. Finkelstein. 425,075; Oct. 29.

CLASS 44

Arch supports. Scholl Mfg. Co., Inc. 220,353; renewed Nov. 9, 1946. O. G. Oct. 29.
Device used for the collection of blood specimens. Becton, Dickinson & Company. 424,957; Oct. 29; Serial No. 493,946; published Aug. 13, 1946.
Electrocardiographs. Electro-Physical Laboratories, Inc. 424,881; Oct. 29; Serial No. 483,767; published Aug. 13, 1946.
Electro-therapy machines. W. G. Brown. 424,928; Oct. 29; Serial No. 490,633; published Aug. 13, 1946.
Eye exercising apparatus. Correctosite Appliance Company. 425,033; Oct. 29.
Frenum guides, circumcision clamps, surgical scissors, tonsilotomes and speculums. J. A. Freel. 424,872; Oct. 29; Serial No. 482,484; published Aug. 13, 1946.
Surgical dressings, surgical forceps, surgical bandages, etc. American Medical Instrument Company. 424,922; Oct. 29; Serial No. 490,050; published Aug. 13, 1946.
Tampons, sanitary pads and sanitary napkins. Revoc, Inc. 424,907; Oct. 29; Serial No. 488,376; published Aug. 13, 1946.

CLASS 45

Water, and other nonalcoholic, maltless, carbonated and non-carbonated beverages, Sparkling. White Rock Corporation. 425,008; Oct. 29; Serial No. 497,430; published July 23, 1946.

CLASS 46

Alimentary pastes. Peter Rossi & Sons, Inc. 219,930; renewed Oct. 26, 1946. O. G. Oct. 29.
Bean sauce, Soya. S. Nagao. 424,854; Oct. 29; Serial No. 475,396; published Aug. 6, 1946.
Beefsteaks. S. Himber. 425,028; Oct. 29.
Beef-suet or beef-fat, Rendered or refined. Hugon & Co., Limited. 29,203; re-renewed Nov. 24, 1946. O. G. Oct. 29.
Butter. Harrow-Taylor Butter Company. 217,610; renewed Sept. 7, 1946. O. G. Oct. 29.
Butter, eggs, and cheese. Challenge Cream & Butter Association. 221,042; renewed Nov. 23, 1946. O. G. Oct. 29.
Cake liner in grease form. Cryns Products, Inc. 424,996; Oct. 29; Serial No. 496,203; published Aug. 13, 1946.
Candies, Designated. School House Candy Company. 425,048; Oct. 29.
Candy. F. W. Ahalt. 220,340; renewed Nov. 9, 1946. O. G. Oct. 29.
Candy. W. B. Casterline. 424,855; Oct. 29; Serial No. 476,197; published Aug. 6, 1946.
Candy. Clinton Industries, Inc. 425,014; Oct. 29; Serial No. 498,593; published Aug. 13, 1946.

Candy. J. E. Haynes. 424,874; Oct. 29; Serial No. 482,626; published Aug. 13, 1946.
Candy. M. J. Holloway & Co. 425,078; Oct. 29.
Candy. Huyler's. 221,261; renewed Nov. 23, 1946. O. G. Oct. 29.
Candy. Norris Inc. 219,556; renewed Oct. 19, 1946. O. G. Oct. 29.
Candy. Schutter-Johnson Candy Co. 220,191; renewed Nov. 2, 1946. O. G. Oct. 29.
Candy. Schutter-Johnson Candy Company. 220,858; renewed Nov. 16, 1946. O. G. Oct. 29.
Canned citrus juice. R. J. Mattison. 424,991; Oct. 29; Serial No. 496,092; published Aug. 13, 1946.
Canned clams, clam chowder, and clam bouillon. Burnham & Morrill Company. 220,905; renewed Nov. 16, 1946. O. G. Oct. 29.
Canned dog and cat food. Northwest Packing Co. 425,018-19; Oct. 29; Serial Nos. 498,918-19; published Aug. 13, 1946.
Canned dog food. C. L. Hirsch. 424,978; Oct. 29; Serial No. 495,139; published Aug. 13, 1946.
Canned fruit. G. W. Hume Company. 219,828; renewed Oct. 26, 1946. O. G. Oct. 29.
Canned fruits and vegetables. H. P. Taylor, Jr. 220,782; renewed Nov. 16, 1946. O. G. Oct. 29.
Canned fruits and vegetables. H. P. Taylor, Jr. 220,939; renewed Nov. 16, 1946. O. G. Oct. 29.
Canned fruits and vegetables. H. P. Taylor, Jr. 220,940; renewed Nov. 16, 1946. O. G. Oct. 29.
Canned fruits and vegetables, canned fish, canned soup, etc. Midland Grocery Company. 424,956; Oct. 29; Serial No. 493,890; published Aug. 6, 1946.
Canned mackerel. J. N. Vallanos. 425,007; Oct. 29; Serial No. 497,147; published Aug. 13, 1946.
Canned vegetables. Burnham & Morrill Company. 220,903; renewed Nov. 16, 1946. O. G. Oct. 29.
Cereal breakfast foods and popcorn. R. F. Willey. 424,921; Oct. 29; Serial No. 490,000; published Aug. 6, 1946.
Cheese. Gerber & Co., Inc. 220,169; renewed Nov. 2, 1946. O. G. Oct. 29.
Chips, Corn. Facs Company. 425,054; Oct. 29.
Chutney, Bottled. J. Khambata. 425,060; Oct. 29.
Compositions in powder form for seasoning and curing meat and meat-containing food products. Fearn Laboratories, Inc. 425,032; Oct. 29.
Cookies. M. Goldman. 424,998; Oct. 29; Serial No. 496,233; published Aug. 6, 1946.
Cookies in the nature of sandwiches. Southern Biscuit Company, Incorporated. 424,844; Oct. 29; Serial No. 469,066; published May 14, 1946.
Crackers, skinless preserved figs, fruit jelly, etc., French. Cresca Company, Inc. 220,684; renewed Nov. 16, 1946. O. G. Oct. 29.
Dairy products. Arden Farms Co. 425,043; Oct. 29.
Feed, Poultry. Larrowe Milling Company. 208,869; renewed Feb. 9, 1946. O. G. Oct. 29.
Feed, Poultry. Quaker Oats Company. 217,032; renewed Aug. 24, 1946. O. G. Oct. 29.
Feed, Poultry. Universal Mills. 219,573; renewed Oct. 19, 1946. O. G. Oct. 29.
Filling, Pie. Py-Mak Company. 425,076; Oct. 29.
Fish, Smoked dried boneless. A. Aloff. 424,897; Oct. 29; Serial No. 486,709; published Aug. 13, 1946.
Flour, Wheat. Kirk Milling Company. 217,569; renewed Sept. 7, 1946. O. G. Oct. 29.
Food for yeast. Cryns Products, Inc. 424,997; Oct. 29; Serial No. 496,205; published Aug. 13, 1946.
Foods, Cereal paste. John B. Canepa Company. 52,980; re-renewed May 22, 1946. O. G. Oct. 29.
Fruits, and fresh vegetables, Fresh citrus. Engelman Gardens Association. 424,893; Oct. 29; Serial No. 484,736; published Aug. 13, 1946.
Ice cream cones. Maryland Baking Company, Inc. 425,094; Oct. 29.
Lemon juice, Frozen. Citrus Foods Co., Inc. 425,003; Oct. 29; Serial No. 496,427; published Aug. 6, 1946.
Macaroni, vermicelli, spaghetti, etc. L. Bastrup and K. Scanlan. 52,971; re-renewed May 22, 1946. O. G. Oct. 29.
Marmalade. Alexander Cairns & Sons, Limited. 219,460; renewed Oct. 19, 1946. O. G. Oct. 29.
Meal, and cottonseed hulls, Cottonseed. Texarkana Cotton Oil Co. 221,077; renewed Nov. 23, 1946. O. G. Oct. 29.
Oleomargarine. Capital City Products Co. 425,020; Oct. 29; Serial No. 499,044; published Aug. 13, 1946.
Oysters. J. & J. W. Elsworth Co. 425,069; Oct. 29.
Peanut bars. Clinton Industries, Inc. 425,013; Oct. 29; Serial No. 498,585; published Aug. 13, 1946.
Powdered mixture, Edible. R. G. Moench & Co., Inc. 425,015-16; Oct. 29; Serial Nos. 498,646-7; published Aug. 6, 1946.
Rice, Prepared. American Cereal Company. 56,706; re-renewed Oct. 16, 1946. O. G. Oct. 29.
Salt, laundry starch, borax, etc. Griggs, Cooper & Company. 220,648; renewed Nov. 16, 1946. O. G. Oct. 29.
Sausage. J. S. Hoffman Company. 207,977; renewed Jan. 12, 1946. O. G. Oct. 29.
Tomatoes, Fresh. Springfield Tomato Co. Inc. 425,091; Oct. 29.

CLASS 47

Champagne. Empire State Wine Co. 55,678; re-renewed Aug. 21, 1946. O. G. Oct. 29.
Wine. Empire State Wine Company. 216,734; renewed Aug. 17, 1946. O. G. Oct. 29.

CLASS 48

Chemical substance of vegetable origin used exclusively in the clarification of beer and ale. Brewers Scientific Laboratories. 425,073; Oct. 29.

CLASS 50

Signs and art panels and pictures, Advertising display. Pyraglass Products, Inc. 216,523; renewed Aug. 10, 1946. O. G. Oct. 29.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bechik, Michael, St. Paul, Minn. Flexible mattress handle. Re. 22,807; Oct. 29.

LIST OF PLANT PATENTEES

Dunn, C. J., assignee: *See*—
Prushek, Emil.

Prushek, Emil, Berrien Springs, assignor to C. J. Dunn, Benton Harbor, Mich. Chrysanthemum plant. 714; Oct. 29.

LIST OF DESIGN PATENTEES

Abel, Roberta H., Jeffersontown, Ky. Ladle. 145,830; Oct. 29.

Arpels, Claude, New York, N. Y. Combined wrist watch and holder strap therefor. 145,831; Oct. 29.

Burt, Ralph E., Longmeadow, Mass. Mail box or similar article. 145,832; Oct. 29.

Chase, Henry C., Chicago, Ill. Showcase. 145,833; Oct. 29.

Chase, Henry C., Chicago, Ill. Showcase. 145,834; Oct. 29.

Chase, Henry C., Chicago, Ill. Showcase. 145,835; Oct. 29.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Crollard, David B.: *See*—
Fillson, Dan, and Crollard.

Doyle, Joel G., Kansas City, Mo. Rotary mower housing. 145,836; Oct. 29.

Fennell, William A., Huntington Park, Calif., assignor to Little Castles, Incorporated. Building. 145,837; Oct. 29.

Fillson, Dan, and D. B. Crollard, Fairbanks, Territory of Alaska. Game board. 145,840; Oct. 29.

Florian, Gordon W., Bridgeport, Conn., assignor to Reeves-Ely Laboratories, Inc, New York, N. Y. Electric coffee maker. 145,838; Oct. 29.

Florian, Gordon W., Trumbull, Conn., assignor to General Electric Company. Coffee maker. 145,839; Oct. 29.

Frechette, Frederic J., Jr.: *See*—
Frechette, Frederic J., Sr., and F. J., Jr.

Frechette, Frederic J., Sr., and F. J., Jr., Charleston, S. C. Statuette. 145,841; Oct. 29.

Gargano, Frank J., Providence, R. I. Brooch. 145,842; Oct. 29.

General Electric Company, assignee: *See*—
Florian, Gordon W.

Goodstein, David M., New York, N. Y. Dress. 145,843; Oct. 29.

Griffith, Jane F., New York, N. Y. Pull toy or similar article. 145,844; Oct. 29.

Harrington, King, San Francisco, Calif. Container for candy, perfume, flowers, and the like. 145,845; Oct. 29.

Kales, Ethel S., Los Angeles, Calif. Printed fabric. 145,846; Oct. 29.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,847; Oct. 29.

Little Castles, Incorporated, assignee: *See*—
Fennell, William A.

Nalick, Albert, Los Angeles, Calif. Finger ring or similar article. 145,848; Oct. 29.

National Instrument Corporation, assignee: *See*—
Racine, Karl, and Shelton.

Panzer, Charles, New York, N. Y. Wallet. 145,849; Oct. 29.

Panzer, Charles, New York, N. Y. Wallet. 145,850; Oct. 29.

Panzer, Charles, New York, N. Y. Wallet. 145,851; Oct. 29.

Panzer, Charles, New York, N. Y. Wallett. 145,852; Oct. 29.

Panzer, Charles, New York, N. Y. Wallet. 145,853; Oct. 29.

Quinby, Mary L., Los Angeles, Calif. Toy animal figure or similar article. 145,854; Oct. 29.

Racine, Karl, Houston, and V. P. Shelton, San Antonio, assignors to National Instrument Corporation, Houston, Tex. Photographic enlarger. 145,855; Oct. 29.

Read, Julia, New York, N. Y. Hanger or similar article. 145,856; Oct. 29.

Read, Julia, New York, N. Y. Hanger or similar article. 145,857; Oct. 29.

Reeves-Ely Laboratories, Inc., assignee: *See*—
Florian, Gordon W.

Rosenbloom, Irving, New York, N. Y. Toy table or similar article. 145,858; Oct. 29.

Rost, Katheryn, New York, N. Y. Dress. 145,859; Oct. 29.

Russo, Joseph, New York, N. Y. Plaque or similar article. 145,860; Oct. 29.

Shelton, Vernon P.: *See*—
Racine, Karl, and Shelton.

Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 145,861; Oct. 29.

Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 145,862; Oct. 29.

Zimballst, Fred, Cleveland Heights, Ohio. Cigarette server. 145,863; Oct. 29.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Gail C., assignor to Grip Nut Company, South Whitley, Ind. Article rejecting mechanism. 2,410,037; Oct. 29.

Agamaite, Edward, Jr., assignor to Fort Howard Paper Company, Green Bay, Wis. Toilet roll dispenser. 2,410,328; Oct. 29.

Aircraft-Marine Products, Inc., assignee: *See*—
Watts, William S.

Air Preheater Corporation, The, assignee: *See*—
Cooper, Roland S., and Holm.

Albright, Robert B., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electrical apparatus. 2,410,329; Oct. 29.

Alien Property Custodian: *See*—
Bach, Adolf.
Korten, Ernst.
Remus, Valentin.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Fergason, Rector C.
Harer, Paul H., and Roth.

Altman, Peter, Detroit, assignor to Continental Motors Corporation, Muskegon, Mich. Portable power unit-handle cooling. 2,410,142; Oct. 29.

Altman, Peter, Detroit, assignor to Continental Motors Corporation, Muskegon, Mich. Portable engine. 2,410,143; Oct. 29.

American Cyanamid Company, assignee: *See*—
Booth, Robert B., and Herkenhoff.
Loukomsky, Serge A., and Stock.
Weiss, Robert H., and Wintringham.

American Glare Shield Co., Inc., The, assignee: *See*—
Le Laude, Lester R.

American-Maize Products Company, assignee: *See*—
Morgan, Willard L.

American Optical Company, assignee: *See*—
Bardwell, Ralph F., and Smith.
Schauweker, George H.

American Steel Foundries, assignee: *See*—
Baselt, Walter H., and Tack.
Keysor, Harold C.

Ams, Max, Machine Company, The, assignee: *See*—
Brenzinger, Julius.

Anaconda Wire and Cable Company, assignee: *See*—
Olson, John W.
Olson, John W., and Bechle.

Anderson, Earl L., Manhasset, N. Y., assignor to Radio Corporation of America. Pulse selectivity system. 2,410,000; Oct. 29.

Anderson, Marshall N., and M. H. Sellstrom, assignors to Sellstrom Manufacturing Company, Chicago, Ill. Welders' helmet. 2,410,256; Oct. 29.

Andrzejewski, Clara, assignor to J. Belzowski, R. L. Squire and F. Z. Roder, Chicago, Ill. Mechanism for removing foreign particles from the eye. 2,410,257; Oct. 29.

Anglo-Iranian Oil Company Limited, assignee: *See*—
Fawcett, Eric W. M., and Beynon.

Arms, Merton H., and L. J. Barnard, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Grinding machine. 2,410,038; Oct. 29.

Art Metal Construction Company, assignee: *See*—
Wells, Roy E.

Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Booster ram construction. 2,410,001; Oct. 29.

Ashenfelter, William, Swanton, Ohio. Scaffold horse. 2,410,330; Oct. 29.

Ashford, Jack, Jackson Heights, N. Y. Hair curler. 2,410,144; Oct. 29.

Atha, Hattie B., Akron, Ohio. Scraper utensil. 2,410,192; Oct. 29.

Aubertin, Ovila J., Matachewan, Ontario, Canada. Fishing rod and reel. 2,410,331; Oct. 29.

Automotive Products Company Limited, assignee: *See*—
Chouings, Leslie C.

Babcock, Lloyd L.: *See*—
Bishop, James O., and Babcock.
Stevenson, Lawrence J., and Babcock.

Bach, Adolf, Berlin-Spandau, Germany; vested in the Alien Property Custodian. Gyroscope. 2,410,002; Oct. 29.

Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Crystal holder. 2,410,193; Oct. 29.

Bacwell Enterprises Incorporated, assignee: *See*—
Wellman, Katharine.

Bagan, John P., Portland, assignor of one-third to A. R. Waneczek, Marshfield, Oreg. Spiral cutter for rotary plows. 2,410,003; Oct. 29.

Baker, Robert H., Munster, Ind. Defroster for ice cube trays. 2,410,194; Oct. 29.

Baldwin Locomotive Works, The, assignee: *See*—
Corby, Joseph F.
Staples, Dana R.

Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Vehicle body. 2,410,332; Oct. 29.

Bardwell, Ralph F., Southbridge, and J. H. Smith, Taunton, assignors to American Optical Company, Southbridge, Mass. Lens and making the same. 2,410,145; Oct. 29.

Barkeij, Jean A. H., Altadena, Calif. Hydraulic mechanism. 2,410,333; Oct. 29.

Barnard, Leon J., assignee: *See*—
Arms, Merton H., and Barnard.

Baselt, Walter H., Tucson, Ariz., and C. E. Tack, assignors to American Steel Foundries, Chicago, Ill. Rotor and making. 2,410,195; Oct. 29.

Batten, Percy H., assignee, et al., trustee: *See*—
Lysholm, Alf.

Beach, Lennox F., Merrick, N. Y., assignor to The Purves Corporation, Springfield, Mass. Magnetic field responsive device. 2,410,039; Oct. 29.

Bechik, Michael, and W. F. Caster, St. Paul, Minn. Handle for box springs and the like. 2,410,258; Oct. 29.

Bechle, Charles W.: *See*—
Olson, John W., and Bechle.

Bell & Howell Company, assignee: *See*—
McNabb, Louis A.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Howard, John B.
Johnson, Kenneth S.
Kellogg, William M.
Schelleng, John C.
Tyrrell, Warren A.

Belzowski, Joseph, assignee, et al.,: *See*—
Andrzejewski, Clara.

Bendix Aviation Corporation, assignee: *See*—
Dewey, Clarence L.

Benthall, Frederick L., Sr., Houston, Tex. Lawn edger. 2,410,196; Oct. 29.

Berry, Clifton V., West Haven, Conn. Miniature camera. 2,410,327; Oct. 29.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Insole machine. 2,410,004; Oct. 29.

Beynon, John H.: *See*—
Fawcett, Eric W. M., and Beynon.

Birch, Harold W., Belmont, Mass. Machine for splitting tubular fabric, opening it and extracting moisture therefrom. 2,410,146; Oct. 29.

Birma Manufacturing Company, Inc., assignee: *See*—
Cook, James A.

Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Elastic fluid mechanism. 2,410,259; Oct. 29.

Bishop, James O., Torrance, and L. L. Babcock, Compton, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Flame heating apparatus. 2,410,005; Oct. 29.

Blecke, Gustave H., Fort Wayne, Ind. Apparatus for grading fruits, vegetables, and other products according to size. 2,410,147; Oct. 29.

Blicke, Frederick F., Washtenaw County, assignor to Regents of the University of Michigan, Ann Arbor, Mich. Basic alkyl esters and their salts. 2,410,040; Oct. 29.

Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Balanced detector for altimeters. 2,410,006; Oct. 29.

Bludworth, Joseph E., and D. P. Easter, Cumberland, Md., assignors to Celanese Corporation of America. 1-methylolcyclohexyl-cyclohexyl-carbinol. 2,410,007; Oct. 29.

Bludworth, Joseph E., and D. P. Easter, Cumberland, Md., assignors to Celanese Corporation of America. Chemical compounds. 2,410,008; Oct. 29.

Blumm, Stanley W., Marathon, N. Y. Roller skate structure. 2,410,009; Oct. 29.

Boals, Wayne S.: *See*—
Oscar, George R., and Boals.

Bokovoy, Samuel A., Verona, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Piezoelectric crystal cabinet. 2,410,041; Oct. 29.

Boland, Edward J., Freeport, assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Tie plate and rail anchor assembly. 2,410,260; Oct. 29.

Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Purification of styrene and its homologues. 2,410,042; Oct. 29.

Booth, Robert B., Springdale, and E. C. Herkenhoff, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of iron ores. 2,410,376; Oct. 29.

Booth, Robert B., Springdale, and E. C. Herkenhoff, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of iron ores 2,410,377; Oct. 29.

Borg, George W., Corporation, assignee: *See*—
Norrman, Ernst.

Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Tetrahydropyrrole alcohol esters of halogen substituted carboxylic acids. 2,410,197; Oct. 29.

Brace, George A., Washington, D. C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,410,334; Oct. 29.

Bradner, John A., assignor to The Lees-Bradner Company, Cleveland, Ohio. Thread production. 2,410,261; Oct. 29.

Branson, Norman G.: *See*—
Kuehni, Hans P., and Branson.

Brant, David O., Beverly Hills, Calif. Milk strainer. 2,410,010; Oct. 29.

Breaux, Neil T., Houston, Tex. Overshot. 2,410,262; Oct. 29.

Brenzinger, Julius, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Can end seaming mechanism. 2,410,263; Oct. 29.

Breton, Ernest J., Arlington, and W. H. Waggaman, Alexandria, Va., assignors to the United States of America, as represented by the Secretary of the Interior. Manufacturing calcium fluoride. 2,410,043; Oct. 29.

Brewer, Alfred G.: *See*—
Scrivener, William C., and Brewer.

Brewer & Company, Inc., assignee: *See*—
Taylor, Harden F.

Briggs Manufacturing Company, assignee: *See*—
Ball, Albert P.
Prance, Alvin W.

Broberg, Walter O. W.: *See*—
Thielers, Ernst M., and Broberg.

Brock, Frank H., and C. E. Smith, assignors to A. E. Staley Manufacturing Co., Decatur, Ill. Making starch conversion syrup. 2,410,264; Oct. 29.

Broido, Daniel, Cockfosters, near Barnet, England. Tabulator controlled by single-line records. 2,410,265; Oct. 29.

Brooks, John W.: *See*—
Horton, Aaron W., Brooks, and O'Kelly.

Brown Instrument Company, The, assignee: *See*—
Burdick, Edwin C.

Bryant Chucking Grinder Company, assignee: *See*—
Arms, Merton H., and Barnard.

Buckley, Arthur H., Chicago, Ill. Control system. 2,410,198; Oct. 29.

Bucyrus-Erie Company, assignee: *See*—
Davidson, Trevor O., and Schauer.

Buhrer, William G., Jerseyville, Ill. Rail joint tread bridge. 2,410,199; Oct. 29.

Buhrmaster, Frederick R., Webster Groves, assignor to Gaylord Container Corporation, St. Louis, Mo. Heavy duty paper shipping carton having interlocking end closure. 2,410,148; Oct. 29.

Bullock, Ellis W., Birmingham, Ala., assignor to Fly Ash Arrestor Corporation. Grate. 2,410,266; Oct. 29.

Burdick, Edwin C., assignor to The Brown Instrument Company, Philadelphia, Pa. Control mechanism. 2,410,335; Oct. 29.

Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Hydrocarbon catalyzing process. 2,410,044; Oct. 29.

Burk, Robert E., Cleveland Heights, and T. J. Walsh, assignors to The Standard Oil Company, Cleveland, Ohio. Laboratory fractionating column head. 2,410,045; Oct. 29.

Burns, Jake D., Richmond, Calif. Tail gate operating mechanism for dump trucks. 2,410,046; Oct. 29.

Burrows, Lawton A., Woodbury, N. J., and W. E. Lawson, Westover Hills, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosively blasting joints. 2,410,047; Oct. 29.

Burrows, Robert J., and A. O. Williams, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Rail truck. 2,410,011; Oct. 29.

Byrns, Alva C., Los Altos, assignor to The Permanente Metals Corporation, Oakland, Calif. Carbothermic magnesia. 2,410,267; Oct. 29.

Campbell, Donald L., Short Hills, N. J., assignor to Standard Oil Development Company. Chemical process. 2,410,048; Oct. 29.

Canadian Refractories Limited, assignee: *See*—
Perry, John S. C., and Prince.

Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Crystal detector. 2,410,268; Oct. 29.

Carnation Company, assignee: *See*—
Herro, Alexander C., and Smart.

Carter, Frederick, and D. C. Taylor, Westhill, Ontario, Canada. Dyeing machine. 2,410,336; Oct. 29.

Caster, William F., assignee: *See*—
Bechik, Michael.

Ceco Steel Products Corporation, assignee: *See*—
Machamer, Hobart E.

Celanese Corporation of America, assignee: *See*—
Bludworth, Joseph E., and Easter.

Celestin, William E., New York, N. Y. Cigarette container. 2,410,200; Oct. 29.

Chemical Development Company, assignee, et al.: *See*—
Pattilloch, Donald K.

Chemical Developments Corporation, assignee: *See*—
Luaces, Enrique L.

Chicago Electric Manufacturing Company, assignee: *See*—
Gough, James J.

Chouings, Leslie C., assignor to Automotive Products Company Limited, Leamington Spa, England. Liquid pressure servo-motor device. 2,410,269; Oct. 29.

Chromogen, Incorporated, assignee: *See*—
Gáspár, Béla.

Churchman, John A., Guymon, Tex. Portable grain elevator. 2,410,012; Oct. 29.

Citizens and Manufacturers National Bank of Waterbury, The, Administrator: *See*—
Lusher, Albert C.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,410,013; Oct. 29.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,410,014; Oct. 29.

Clark Equipment Company, assignee: *See*—
Burrows, Robert J., and Williams.
Spatta, George.

Clark, Joseph B.: *See*—
Farris, Riley F., and Clark.

Clark, Robert A., Jr., Chicago, Ill. Signaling system. 2,410,149; Oct. 29.

Coffman, Donald D., Lindamere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of a thiophene. 2,410,401; Oct. 29.

Cole, Ben R., assignee: *See*—
Mercer, William R., and Cole.

Commercial Solvents Corporation, assignee: *See*—
Tryon, Philip F.

Continental Aviation and Engineering Corporation, assignee: *See*—
Kinnucan, James W.

Continental Motors Corporation, assignee: *See*—
Altman, Peter.

Cook, James A., assignor to Birma Manufacturing Company, Inc., Buffalo, N. Y. Apparatus for filling life preservers and the like. 2,410,015; Oct. 29.

Cooper, Roland S., River Forest, Ill., and S. Holm, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Air preheater for pulverizing mills. 2,410,337; Oct. 29.

Corby, Joseph F., Philadelphia, Pa., assignor to The Baldwin Locomotive Works. Plate steel casing joint for rotary hydraulic machines. 2,410,201; Oct. 29.

Corning Glass Works, assignee: *See*—
Hinkley, Ray A.
Hood, Harrison P.
Hyde, James F.

Craine, Inc., assignee: *See*—
Craine, Zur W.

Craine, Zur W., Norwich, N. Y., assignor to Craine, Inc. Silo. 2,410,338; Oct. 29.

Crawford, Victor L., Altamont, Ill. Safety device for fluid brake systems. 2,410,202; Oct. 29.

Creagmile, John L., Oakland, Calif. Wheel alignment gauge. 2,410,339; Oct. 29.

Crockett, Frank L., Tenants' Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass. Top comb system. 2,410,150; Oct. 29.

Cronstedt, Val, Marlboro, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine seal. 2,410,340; Oct. 29.

Crooke, Raymond E., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Method of and apparatus for gunfire control. 2,410,016; Oct. 29.

Crowley, John A., Jr., assignee: *See*—
Simpson, Thomas P., Payne, and Crowley.

Culley, Lewis L., Jackson, Miss. Tree transplanting apparatus. 2,410,203; Oct. 29.

Cummins, Carl M., Toledo, Ohio. Split ring manufacture. 2,410,204; Oct. 29.

Dalin, David, Sodertalje, Sweden. Fluid cooled damper. 2,410,017; Oct. 29.

Danforth, Joseph D., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of hydrocarbons. 2,410,151; Oct. 29.

D'Arcy, James M., Brooklyn, N. Y. Crochet ball holder. 2,410,018; Oct. 29.

Dashew, Robert L., deceased, Baltimore, Md.; Ruth L. Dashew, administratrix. Thread marker mechanism. 2,410,270; Oct. 29.

Dashew, Ruth L., administratrix: *See*—
Dashew, Robert L.

Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,410,152; Oct. 29.

Davidson, Trevor O., Milwaukee, Wis., and L. B. Schauer, Los Angeles, Calif., assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Variable tread vehicle. 2,410,271; Oct. 29.

Davis, Francis W., Belmont, Mass. Power steering apparatus. 2,410,049; Oct. 29.

Davis, John H., Los Angeles, Calif. Shoe sole and heel construction. 2,410,019; Oct. 29.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telecommunication switching system. 2,410,050; Oct. 29.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Conveyer system control. 2,410,051; Oct. 29.

Delamere, Rudolf D., Toronto, Ontario, Canada. Displacement apparatus. 2,410,341; Oct. 29.

De Lathauwer, Rene J., Hawthorne, N. J. Manufacture of worsted roving. 2,410,020; Oct. 29.

De Laval Separator Company, The, assignee: *See*—
Strezynski, George J.

De Lery, George V., New York, N. Y. Pocket reading glass. 2,410,272; Oct. 29.

De Long, George H., and B. Dreisbach, Allentown, Pa. Pump form. 2,410,153; Oct. 29.

De Long, George H., and B. Dreisbach, Allentown, Pa. Shoe conditioner. 2,410,154; Oct. 29.

Denison Engineering Company, The, assignee: *See*—
Wright, Fred J.

Deubner, George O., Lafayette, Calif. Power-driven rotary garden cultivator. 2,410,273; Oct. 29.

De Vaney, Fred D., assignor to Erie Mining Company, Hibbing, Minn. Flotation process. 2,410,021; Oct. 29.

Dewey, Clarence L., Elkhart, assignor to Bendix Aviation Corporation, South Bend, Ind. Tube reducing machine. 2,410,052; Oct. 29.

Diamond Chain and Manufacturing Company, assignee: *See*—
Gallamore, Oliver H.

Dodds, Joseph W.: *See*—
Johnson, Paul S., and Dodds.

Douglas Aircraft Company, Inc., assignee: *See*—
Williams, Lewis E., Jr., and Smith.

Dow Chemical Company, The, assignee: *See*—
Fletcher, Fred W., and Kenaga.

Drake, Claud E., Brentwood, Mo. Machine for sharpening circular saws, milling-cutters, and the like. 2,410,274; Oct. 29.

Dreisbach, Blair: *See*—
De Long, George H., and Dreisbach.

Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive and adhesive sheet. 2,410,053; Oct. 29.

Dumais, Charles J., Woonsocket, R. I. Armor. 2,410,022; Oct. 29.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Burrows, Lawton A., and Lawson.
Coffman, Donald D.
Macht, Maurice L., and Renfrew.
Mahlberg, Elroy F.
McCleary, Ray L.
Parmelee, Alfred E.
Perkins, Melvin A., and Irwin.
Richter, Henry J., and Rothrock.
Rumsey, Joseph B.
Sloan, Clifford K., and Patterson.
Waddell, James, and Woessner.

Dusenbury, Millard R., assignor to Hercules Powder Company, Wilmington, Del. Ligneous resinous composition and producing. 2,410,205; Oct. 29.

Easter, Donald P.: *See*—
Bludworth, Joseph E., and Easter.

Edison, Thomas A., Incorporated, assignee: *See*—
Kelly, Frederick G.

Ellenberger, Stanley D., assignor, by mesne assignments, of sixty-five per cent to S. E. Steen, Kenosha, Wis., seventeen and one-half per cent to L. G. Voorhees, Macedonia, Ohio, and seventeen and one-half per cent to H. W. Taft, Balboa Heights, C. Z. Signaling by submodulation. 2,410,275; Oct. 29.

Ellenberger, Stanley D., assignor, by mesne assignments, of sixty-five per cent to S. E. Steen, Kenosha, Wis., seventeen and one-half per cent to L. G. Voorhees, Macedonia, Ohio, and seventeen and one-half per cent to H. W. Taft, Balboa Heights, C. Z. Secret communication system. 2,410,276; Oct. 29.

Electric & Musical Industries Limited, assignee: *See*—
Percival, William S.

Erie Mining Company, assignee: *See*—
De Vaney, Fred D.

Evans, David W. T., Sutton Coldfield, assignor to T. I. (Group Services) Limited, Birmingham, England. Apparatus for dipping tubes, bars, and the like. 2,410,023; Oct. 29.

Faik, Irvin V., Union, N. J., assignor to Reeves Pulley Company, Columbus, Ohio. Propeller governor tester. 2,410,155; Oct. 29.

Farris, Emil M., Wayne, Pa. Luminous marker for airports. 2,410,277; Oct. 29.

Farris, Riley F., and J. B. Clark, assignors to Stanolind Oil and Gas Company, Tulsa, Oklahoma. Water locating system. 2,410,278; Oct. 29.

Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Electromagnetic relay device. 2,410,279; Oct. 29.

Fawcett, Eric W. M., and J. H. B., Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Production of isobutane and the like hydrocarbons. 2,410,024; Oct. 29.

Federal Reserve Bank of Philadelphia, assignee: *See*—
Birmann, Rudolph.

Federal Telephone and Radio Corporation, assignee: *See*—
Bokovoy, Samuel A.
Goodale, Lynn C.
Haigh, Leslie B., and Stearn.
Labin, Emile.
Labin, Emile, and Grieg.
Rainey, Paul M.

Fergason, Rector C., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor coupling device. 2,410,280; Oct. 29.

Finken, Walter S.: *See*—
Frieder, Leonard P., and Finken.

Fletcher, Fred W., and E. E. Kenaga, assignors to The Dow Chemical Company, Midland, Mich. Parasiticidal compositions. 2,410,281; Oct. 29.

Flory, Leslie E., Princeton, N. J., assignor to Radio Corporation of America. Electronic timing device. 2,410,156; Oct. 29.

Fly Ash Arrestor Corporation, assignee: *See*—
Bullock, Ellis W.

Ford Instrument Company, Inc., assignee: *See*—
Crooke, Raymond E.

Fort Howard Paper Company, assignee: *See*—
Agamaite, Edward, Jr.

Fowler, George B., assignee, et al.: *See*—
Pattilloch, Donald K.

Fredrickson, Walter S., Fort Wayne, Ind. Liquid extract of coffee and extracting and preparing the same. 2,410,157; Oct. 29.

Freeman, Alpheus J., assignor, by mesne assignments, to G. S. Noble, Chicago, Ill. Casing. 2,410,206; Oct. 29.

Fremlin, John H., and R. N. Hall, London W. C. 2, assignors to Standard Telephones and Cables Limited, London, England. Electron discharge apparatus. 2,410,054; Oct. 29.

Frerer, Paul G., assignor to Perfex Corporation, Milwaukee, Wis. Snap switch. 2,410,055; Oct. 29.

Fresco, Jacque, Hollywood, Calif. Variable camber wing. 2,410,056; Oct. 29.

Frieder, Leonard P., New York, N. Y. Parachute. 2,410,207; Oct. 29.

Frieder, Leonard P., Rockville Centre, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Parachute. 2,410,057; Oct. 29.

Frische, Carl A., Leonia, and G. N. Hanson, Allendale, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic climb and glide control for aircraft. 2,410,058; Oct. 29.

Frixione, Pedro A., Buenos Aires, Argentina. Paper bag having a burlap sampling zone. 2,410,282; Oct. 29.

Gallamore, Oliver H., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind. Grip for hoists. 2,410,378; Oct. 29.

Garber, Claude Y.: *See*—
Zeigler, William L., and Garber.

Gardner, Irving, Brooklyn, N. Y. Paper hat. 2,410,158; Oct. 29.

Garr, Donald E., Schenectady, N. Y., assignor to General Electric Company. Screwdown control system. 2,410,283; Oct. 29.

Garrison, Kenneth C., Norwalk, Calif. Folding newspapers and the like. 2,410,059; Oct. 29.

Garwood, John S.: *See*—
Morgenthaler, Frederick W., and Garwood.

Gáspár, Béla, Hollywood, Calif., assignor to Chromogen, Incorporated. Production of colored photographic pictures. 2,410,025; Oct. 29.

Gaspar, Emeric: *See*—
Windsor, Reginald H., and Gaspar.

Gauldin, Robert A., assignor of one-half to T. H. Netherton, Enid, Okla. Button protector. 2,410,208; Oct. 29.

Gaylord Container Corporation, assignee: *See*—
Buhrmaster, Frederick R.

Gaylord Products, Incorporated, assignee: *See*—
Reynolds, Frank D.

General Controls Co., assignee: *See*—
Paille, Eugene.
Ray, William A.

General Electric Company, assignee: *See*—
Favre, John A.
Garr, Donald E.
Johnson, Paul S., and Dodds.
Kuehni, Hans P., and Branson.

General Motors Corporation, assignee: *See*—
Smith, Jasper A.

Gleason Works, assignee: *See*—
Johanson, Magnus H., and Wildhaber.

Godsey, H. Mitchell, Crockett, Tex. Combined wheel rim and pneumatic tire. 2,410,209; Oct. 29.

Goodale, Lynn C., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Producing vacuum tube electrodes. 2,410,060; Oct. 29.

Goodale, Lynn C., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Sealing lead-in conductors. 2,410,061; Oct. 29.

Goodrich, B. F., Company, The, assignee: *See*—
Hollerith, Charles.
Smisko, John.

Goudime-Levkovitsch, Paul, Wentworth, assignor to Simmonds Aerocessories Limited, London, England. Computer of the slide rule type. 2,410,210; Oct. 29.

Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Portable electric heater. 2,410,211; Oct. 29.

Grieg, Donald D.: *See*—
Labin, Emile, and Grieg.

Grip Nut Company, assignee: *See*—
Abbott, Gail C.

Groene, William F., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Automatic lathe. 2,410,026; Oct. 29.

Gross, Alfred G., Wilmette, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,410,342; Oct. 29.

Guildford, Joseph R., Buffalo, N. Y. Nonslip joint split ring union device. 2,410,027; Oct. 29.

Gunness, Robert C., Chicago, Ill., and J. W. Jewell, Summit, N. J., assignors of one-half to Standard Oil Company and one-half to The M. W. Kellogg Company. Catalytic cracking system. 2,410,284; Oct. 29.

H. & A. Manufacturing Co., assignee: *See*—
Reiser, Alfred A.

H-P-M Development Corporation, assignee: *See*—
Ashbaugh, Bernard D.

Haensel, Vladimir: *See*—
Thomas, Charles L., and Haensel.

Haigh, Leslie B., West Orange, and F. A. Stearn, Westfield, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Telephone key. 2,410,062; Oct. 29.

Haivala, William S., Kennewick, Wash. Concrete float. 2,410,343; Oct. 29.

Hall, Roger N.: *See*—
Fremlin, John H., and Hall.

Hansen, William W., Garden City, R. H. Varian, Wantagh, and S. F. Varian, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. High-frequency tube structure and apparatus. 2,410,063; Oct. 29.

Hanson, Gerald N.: *See*—
Frische, Carl A., and Hanson.

Hardesty, George K. C., Seat Pleasant, Md. Illuminated dial and pointer. 2,410,064; Oct. 29.

Hardy, John: *See*—
Rines, Albert H., Hardy, and O'Keefe.

Harrer, Paul H., and C. H. Roth, La Porte, Ind., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotary baler. 2,410,159; Oct. 29.

Harris, Arthur H.: *See*—
Olmsted, Russell C., and Harris.

Harrison, Bertram M., Newton, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical circuit. 2,410,065; Oct. 29.

Harrison, Bertram M., Newton Highlands, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling. 2,410,066; Oct. 29.

Harrison, Bertram M., Newton Highlands, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling. 2,410,067; Oct. 29.

Haseltine, Stacy B.: *See*—
Johnson, George A., and Haseltine.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Combined spring and friction shock absorber. 2,410,160; Oct. 29.

Hathaway, Claude M., Denver, Colo., assignor to Hathaway Instrument Company. Galvanometer. 2,410,379; Oct. 29.

Hathaway Instrument Company, assignee: *See*—
Hathaway, Claude M.

Heilbronner, Harry S., Perry, N. Y. Garment. 2,410,212; Oct. 29.

Helbein, William, New York, N. Y. Display case for wrist watches and the like. 2,410,161; Oct. 29.

Hendley, James A., assignor to The Russell Manufacturing Company, Middletown, Conn. Textile webbing. 2,410,028; Oct. 29.

Herbster, George, assignor to John H. Leonard, Cleveland, Ohio, as trustee. Gas range oven. 2,410,285; Oct. 29.

Hercules Powder Company, assignee: *See*—
Borglin, Joseph N.
Dusenbury, Millard R.

Herkenhoff, Earl C.: *See*—
Booth, Robert B., and Herkenhoff.

Herro, Alexander C., and P. Smart, assignors to Carnation Company, Oconomowoc, Wis. Electrolytic can cleaner. 2,410,213; Oct. 29.

Hickman, Albert F., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y. Spring suspension for railroad cars. 2,410,068; Oct. 29.

Hickman Pneumatic Seat Co. Inc., assignee: *See*—
Hickman, Albert F.

Higginson, Joseph H., and H. C. Riggs, Andover, Mass., assignors to Riggs & Lombard, Inc., Lowell, Mass. Safety mechanism for dye kettles and the like. 2,410,214; Oct. 29.

Hines, Rufus E., Chicago, Ill. Collet chuck. 2,410,344; Oct. 29.

Hinkley, Ray A., assignor to Corning Glass Works, Corning, N. Y. Perforating and tabulating apparatus. 2,410,345; Oct. 29.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake block guard. 2,410,029; Oct. 29.

Holm, Sven: *See*—
Cooper, Roland S., and Holm.

Holman, Arthur J., East Orange, N. J. Objective for projection, photography, television, and for telescope. 2,410,069; Oct. 29.

Home Curtain Corporation, assignee: *See*—
Lepow, Edward.

Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Glass having low power factor. 2,410,286; Oct. 29.

Hoover Company, The, assignee: *See*—
Brace, George A.
Gross, Alfred G.
Kitto, William H.
Penn, Carl O.

Horan, Joseph H., Bronx, N. Y. Agitator for liquid cooling systems. 2,410,162; Oct. 29.

Horni, Paul P., Newark, N. J. Vehicle mounted fruit picker. 2,410,030; Oct. 29.

Horton, Aaron W., Detroit, Mich., assignor to Socony-Vacuum Oil Company, Incorporated. Catalytic alkylation process. 2,410,070; Oct. 29.

Horton, Aaron W., Detroit, Mich., and J. W. Brooks, Wenonah, and A. A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic alkylation process. 2,410,071; Oct. 29.

Horton, Aaron W., Detroit, Mich., and J. W. Brooks, Wenonah, and A. A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylation of isobutane with propylene. 2,410,072; Oct. 29.

Houdaille-Hershey Corporation, assignee: *See*—
Magrum, Gervase M.

Houdry Process Corporation, assignee: *See*—
Bond, George R., Jr.

Houghton, Henry G., Wellesley Hills, Mass. Spray nozzle. 2,410,215; Oct. 29.

Howard, John B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated. Manufacture of polyesters. 2,410,073; Oct. 29.

Howard, Willis G., Indianapolis, Ind. Apparatus for decrating eggs. 2,410,163; Oct. 29.

Hoyer, Arnold Z., Conshohocken, Pa., assignor, by mesne assignments, to Kimble Glass Company, Vineland, N. J. Thermohydrometer. 2,410,031; Oct. 29.

Hughes By-Product Coke Oven Corporation, assignee: *See*—
Hughes, Charles H.

Hughes, Charles H., Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation. Apparatus for pyrolytically treating hydrocarbons. 2,410,074; Oct. 29.

Hughes, Everett C.: *See*—
Burk, Robert E.

Hutchins, James F., and W. K. White, Jr., San Antonio, Tex. Rapid frequency change radio receiver. 2,410,075; Oct. 29.

Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Lubricant. 2,410,346; Oct. 29.

Hydraulic Brake Company, assignee: *See*—
LaBrie, Ludger E.

Hytron Corporation, assignee: *See*—
Rines, Albert H., Hardy, and O'Keefe.

Insoll, Edward T., Chicago, Ill. Stacking box. 2,410,216; Oct. 29.

Interior, United States of America, as represented by the Secretary of, assignee: *See*—
Breton, Ernest J., and Waggaman.

International Standard Electric Corporation, assignee: *See*—
Deakin, Gerald.
Litton, Charles V.

Irwin, Carl F.: *See*—
Perkins, Melvin A., and Irwin.

Irwin, Justus C., Minneapolis, assignor to Wright Products, Inc., St. Paul Park, Minn. Door latch. 2,410,347; Oct. 29.

Jaberg, Howard A., Cincinnati, Ohio. Electrical equipment. 2,410,287; Oct. 29.

Jackson, Honel A., Detroit, Mich. Electrode holder. 2,410,164; Oct. 29.

Jamieson, Marcel, and L. Tremblay, Chicoutimi, assignors to Liquid Carbonic Canadian Corporation Limited, Montreal, Quebec, Canada. Label scraping attachment for bottle washing machines. 2,410,380; Oct. 29.

Jenkins, Vance N., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oil composition. 2,410,381; Oct. 29.

Jewell, Joseph W.: *See*—
Gunness, Robert C., and Jewell.

Johanson, Magnus H., Rochester, and E. Wildhaber, Brighton, assignors to Gleason Works, Rochester, N. Y. Method and machine for relieving gear cutters. 2,410,348; Oct. 29.

Johnson, George A., Chicago, and S. B. Haseltine, La Grange, assignors to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,410,165; Oct. 29.

Johnson, Kenneth S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated. Negative impedance circuit. 2,410,076; Oct. 29.

Johnson-March Corporation, The, assignee: *See*—
Kleinicke, Werner E.

Johnson, Paul S., Wakefield, and J. W. Dodds, Lynnfield, Mass., assignors to General Electric Company. Instrument balance weight. 2,410,288; Oct. 29.

Just, Ralph R., Salem, Oreg. Support for sheep shearing apparatus. 2,410,217; Oct. 29.

Kaplan, Saul, Rutherford, N. J., assignor to Onyx Oil & Chemical Company. Manufacture. 2,410,382; Oct. 29.

Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom shuttle. 2,410,383; Oct. 29.

Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Power take-off unit. 2,410,077; Oct. 29.

Kellgren, Waldo: *See*—
Lundquist, William E., and Kellgren.

Kellgren, Waldo, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Unified fibrous fabric. 2,410,078; Oct. 29.

Kellgren, Waldo, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive. 2,410,079; Oct. 29.

Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Electrical servo system. 2,410,289; Oct. 29.

Kellogg, M. W., Company, The, assignee, et al.: *See*—
Gunness, Robert C., and Jewell.

Kellogg, William M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated. High frequency apparatus. 2,410,080; Oct. 29.

Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Thermopile for fire alarm systems. 2,410,218; Oct. 29.

Kemper, Harry C.: *See*—
Groene, William F., and Kemper.

Kenaga, Eugene E.: *See*—
Fletcher, Fred W., and Kenaga.

Kendall Company, The, assignee: *See*—
Savage, Lawrence A.

Kenyon, David E., Smithtown, N. Y., assignor to Sperry Gyroscope Company, Inc. Electric circuit. 2,410,081; Oct. 29.

Keysor, Harold C., Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,410,032; Oct. 29.

Keysor, Harold C., assignor to American Steel Foundries, Chicago, Ill. Spring assembly. 2,410,290; Oct. 29.

Kilborn-Sauer Company, The, assignee: *See*—
Sauer, Henry J.

Kimball, Thomas B., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Separating toluene. 2,410,166; Oct. 29.

Kimble Glass Company, assignee: *See*—
Hoyer, Arnold Z.

Kinetic Chemicals, Inc., assignee: *See*—
Park, Joseph D., and Rhodes.

King, Ernest J., New York, N. Y. Hat construction. 2,410,033; Oct. 29.

Kinnucan, James W., assignor to Continental Aviation and Engineering Corporation, Detroit, Mich. Accessory mechanism and drive for aircraft engines. 2,410,167; Oct. 29.

Kinzbach, Robert B., Houston, Tex. Stuffing box. 2,410,291; Oct. 29.

Kispert, Joseph J., Branford, Conn. Ventilated corset. 2,410,082; Oct. 29.

Kispert, Joseph J., Branford, Conn. Corset. 2,410,083; Oct. 29.

Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,410,292; Oct. 29.

Kitto, William H., Greentown, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,410,293; Oct. 29.

Kleinicke, Werner E., Manhasset, assignor to The Johnson-March Corporation, New York, N. Y. Hand cleaner. 2,410,168; Oct. 29.

Korten, Ernst, Frankfort-on-the-Main-Fechenheim, Germany; vested in the Alien Property Custodian. Softening agent. 2,410,294; Oct. 29.

Kuehni, Hans P., and N. G. Branson, Schenectady, N. Y., assignors to General Electric Company. Automatic pattern controlled machine tool. 2,410,295; Oct. 29.

Kuizenga, Marvin H., assignor to The Upjohn Company, Kalamazoo, Mich. Recovery of heparin. 2,410,084; Oct. 29.

Labin, Emile, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Vacuum tube. 2,410,349; Oct. 29.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Communication. 2,410,350; Oct. 29.

LaBrie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,410,169; Oct. 29.

Lambert, Harry L., Enfield, assignor, by mesne assignments, to W. J. Pickering, New York, N. Y. Circuit controller. 2,410,085; Oct. 29.

Langstroth, Theodore A., Montclair, N. J., assignor to Sun Chemical Corporation. Pigment or dyestuff and making the same. 2,410,219; Oct. 29.

Langworthy, William P., Philadelphia, Pa. Core lamination and production thereof. 2,410,220; Oct. 29.

Latura, John J., Memphis, Tenn. Prefabricated dog house. 2,410,221; Oct. 29.

Lawrence, Howard C., Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Tuning means. 2,410,222; Oct. 29.

Lawson, Walter E.: *See*—
Burrows, Lawton A., and Lawson.

Lazan, Benjamin J., Greenwich, Conn. Oscillator. 2,410,170; Oct. 29.

Le Blond Machine Tool Company, assignee: *See*—
Groene, William F., and Kemper.

Lees-Bradner Company, The, assignee: *See*—
Bradner, John A.

Leffingwell, Wallace B.: *See*—
Weesner, Carl W., and Leffingwell.

Legatski, Harold R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,410,223; Oct. 29.

Leland Stanford Junior University, Board of trustees, assignee: *See*—
Hansen, William W., and Varian, R. H. and S. F.

Le Lande, Lester R., assignor to The American Glare Shield Co., Inc., Cincinnati, Ohio. Glare shield. 2,410,171; Oct. 29.

Leonard, John H., assignee, trustee: *See*—
Herbster, George.

Lepow, Edward, New York, assignor to Home Curtain Corporation, Far Rockaway, N. Y. Pleating curtain construction. 2,410,224; Oct. 29.

Lever Brothers Company, assignee: *See*—
Paterson, William J.

Lewis, Charles, New York, N. Y. Comb. 2,410,086; Oct. 29.

Lindsay, Harold W., Oakland, Calif., assignor to the Government of the United States as represented by the Director of the Office of Scientific Research and Development, Office for Emergency Management. Furnace control system. 2,410,384; Oct. 29.

Line Material Company, assignee: *See*—
Schultz, William O.
Trogner, Arthur M.

Liquid Carbonic Canadian Corporation Limited, assignee: *See*—
Jamieson, Marcel, and Tremblay.

Litton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Wave impulse generator. 2,410,087; Oct. 29.

Lockhart, Margaret L., assignee: *See*—
Lockhart, Marshall L.

Lockhart, Marshall L., assignor of one-half to M. L. Lockhart, Detroit, Mich. Hypodermic syringe. 2,410,351; Oct. 29.

Loukomsky, Serge A., Bound Brook, N. J., and C. R. Stock, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Plastometer. 2,410,385; Oct. 29.

Luaces, Enrique L., assignor to Chemical Developments Corporation, Dayton, Ohio. Method of reclaiming soiled solvent by distillation and adsorption. 2,410,034; Oct. 29.

Luaces, Enrique L., assignor to Chemical Developments Corporation, Dayton, Ohio. Extrusion apparatus. 2,410,035; Oct. 29.

Lundquist, Carl E. E., Stockholm, Sweden. Adjustable chair, bedstead, stretcher, or the like. 2,410,088; Oct. 29.

Lundquist, William E., and W. Kellgren, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive tape. 2,410,089; Oct. 29.

Lusher, Albert C., deceased, by the Citizens and Manufacturers National Bank of Waterbury, administrator, Waterbury, Conn. Self-locking nut. 2,410,090; Oct. 29.

Lutherman, Lewis A., and E. L. Thompson, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Auxiliary berth arrangement. 2,410,173; Oct. 29.

Lynch, Edward J., Detroit, Mich. Feed head for rotary tools. 2,410,091; Oct. 29.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,410,174; Oct. 29.

Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, as trustees. Rotary screw wheel apparatus. 2,410,172; Oct. 29.

MacDonald, George A., Los Angeles, Calif. Ink fountain. 2,410,296; Oct. 29.

Machamer, Hobart E., Oak Park, Ill., assignor to Ceco Steel Products Corporation, Omaha, Nebr. Joint. 2,410,175; Oct. 29.

Macht, Maurice L., Jersey City, and M. M. Renfrew, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating by flame-spraying method. 2,410,225; Oct. 29.

Maenpa, Carl U., Rome, Ohio. Toilet implements. 2,410,352; Oct. 29.

Magrum, Gervase M., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Shock absorber. 2,410,176; Oct. 29.

Mahlberg, Elroy F., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coupling combination. 2,410,297; Oct. 29.

Marble, Jarvis C., assignee, et al., trustee: *See*—
Lysholm, Alf.

Markey, Roscoe I., East Orange, assignor to Pollak Manufacturing Company, Arlington, N. J. Bomb releasing shackle. 2,410,036; Oct. 29.

Martin, Charles C., Savannah, Ga. Sanitary field latrine. 2,410,092; Oct. 29.

Martin, Earle, Hutchinson, Kans. Trousers construction. 2,410,226; Oct. 29.

Martinec, Eugene F., Cleveland, Ohio. Gauging device. 2,410,093; Oct. 29.

Martinec, Eugene F., Cleveland, Ohio. Gauging device. 2,410,094; Oct. 29.

Marvin, Ralph J., and A. Wiebke, Los Angeles, Calif. Combination compression and oil scraping ring. 2,410,177; Oct. 29.

Masts Limited, assignee: *See*—
Scrivener, William C., and Brewer.

Matthews, Carlton T., Green Bay, Wis. Christmas tree holder. 2,410,227; Oct. 29.

Maxey, Robert E. L., Akron, Ohio. Highway traffic post. 2,410,228; Oct. 29.

McCleary, Ray L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of titanium compounds. 2,410,119; Oct. 29.

McCollum, Henry J. De N., deceased, Chicago, Ill.; Thelma McCollum, executrix. Heater. 2,410,353; Oct. 29.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. De N.

McDonnell, Lester V., and P. Satterlee, Detroit, Mich. Attaching clips. 2,410,120; Oct. 29.

McInturff, William H., Warrington, Fla. Internal-combustion engine. 2,410,095; Oct. 29.

McNabb, Louis A., Glenview, assignor to Bell & Howell Company, Chicago, Ill. Sprocket device. 2,410,121; Oct. 29.

Mercer, William R., Hightstown, and B. R. Cole, Princeton, N. J., assignor to Radio Corporation of America. Balanced detector for altimeters. 2,410,122; Oct. 29.

Merrill, Leslie M., assignee, et al., trustee: *See*—
Lysholm, Alf.

Metropolitan Device Corporation, assignee: *See*—
Phelps, George H.

Meyer, Joseph B., Kenosha, Wis. Fluid pressure pump. 2,410,354; Oct. 29.

Meyer, Ronald E., and F. P. Otto, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparing high molecular weight aliphatic ketones. 2,410,096; Oct. 29.

Milasus, Aloysius G., Roselle, N. J. Telephone line pulsing device. 2,410,178; Oct. 29.

Miller, Daniel, Montebello, Calif. Miniature gasoline engine. 2,410,229; Oct. 29.

Miller, John H., Short Hills, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical testing apparatus. 2,410,386; Oct. 29.

Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.
Miller, William J., and Reek.

Miller, William J., Pittsburgh, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for producing potteryware. 2,409,999; Oct. 29.

Miller, William J., Swissvale, and A. J. Reek, Carrick, assignors to Miller Pottery Engineering Company, Swissvale, Pa. Method and apparatus for appendaging potteryware. 2,410,123; Oct. 29.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Haseltine, Stacy B.
Johnson, George A., and Haseltine.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Drew, Richard G.
Kellgren, Waldo.
Lundquist, William E., and Kellgren.

Mirel, Arthur G., assignor to Structural Planeparts, Inc., New York, N. Y. Metalworking machine. 2,410,298; Oct. 29.

Modine Manufacturing Company, assignee: *See*—
Perkins, Charles T.

Morgan, Willard L., Columbus, Ohio, assignor of one-half to A. E. Staley Manufacturing Company, Decatur, Ill., and one-half to American-Maize Products Company, New York, N. Y. Production of plasticized prolamine and derivative compositions. 2,410,124; Oct. 29.

Morgenthaler, Frederick W., Brooklyn, and J. S. Garwood, New York, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Glide attachment for bomb sights. 2,410,097; Oct. 29.

Mueller, William P., Emporium, Pa., assignor to Sylvania Electric Products Inc. High-frequency wave signaling system. 2,410,387; Oct. 29.

Muller, Carl W., Osborn, Ohio. Connector assembly, thermocouple lead. 2,410,098; Oct. 29.

Murtagh, Gilbert, Port Washington, N. Y. Screw or threaded rod mounting. 2,410,299; Oct. 29.

Myers, Claude G.: *See*—
Sachanen, Alexander N., O'Kelly, and Myers.

Nash-Kelvinator Corporation, assignee: *See*—
Philipp, Lawrence A.

National Dairy Products Corporation, assignee: *See*—
Rainard, Leo W.

National Fireworks, Inc., assignee: *See*—
Westervelt, John R., Jr.

National Supply Company, The, assignee: *See*—
Bishop, James O., and Babcock.
Stevenson, Lawrence J., and Babcock.

National Tube Company, assignee: *See*—
Nesbitt, Andrew B., and Webb.

Neal, Charles M., Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Oil circulating spindle. 2,410,388; Oct. 29.

Nesbitt, Andrew B., and S. Webb, Pittsburh, Pa., assignors to National Tube Company. Severing tool. 2,410,355; Oct. 29.

Netherton, Truman H., assignee: *See*—
Gauldin, Robert A.

Nicoll, Frederick H., Princeton, N. J., assignor to Radio Corporation of America. Nonreflective film. 2,410,300; Oct. 29.

Nilles, Philip C., and J. A. Steffen, Chicago, Ill. Auxiliary air furnishing device. 2,410,125; Oct. 29.

Noble, Glenn S., assignee: *See*—
Freeman, Alpheus J.

Norrman, Ernst, Delavan, Wis., assignor to George W. Borg Corporation, Chicago, Ill. Frequency divider. 2,410,389; Oct. 29.

Nygren, Joseph W., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Carboy and assembling. 2,410,179; Oct. 29.

O'Keefe, Daniel J.: *See*—
Rines, Albert H., Hardy, and O'Keefe.

O'Kelly, Arlie A.: *See*—
Horton, Aaron W., Brooks, and O'Kelly.
Sachanen, Alexander N., O'Kelly, and Myers.

Olmsted, Hazel B., administratrix: *See*—
Olmsted, Russell C., and Harris.

Olmsted, Russell C., Harrington Park, N. J., and A. H. Harris, New Britain, Conn., H. B. Olmsted, administratrix of said R. C. Olmsted, deceased, assignor to said Harris. Expansion joint for concrete roadway. 2,410,099; Oct. 29.

Olson, John W., Hastings-on-Hudson, assignor to Anaconda Wire and Cable Company, New York, N. Y. Machine for impregnating electric insulation. 2,410,126; Oct. 29.

Olson, John W., Hastings-on-Hudson, N. Y., and C. W. Bechle, Sycamore, Ill., assignors to Anaconda Wire and Cable Company, New York, N. Y. Machine for impregnating electric insulation. 2,410,127; Oct. 29.

O'Neal, Grady M., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Manufacture of copper phthalocyanine dyestuffs. 2,410,301; Oct. 29.

Onyx Oil & Chemical Company, assignee: *See*—
Kaplan, Saul.

Oscar, George R., West Milton, and W. S. Boals, Dayton, Ohio. Remote control firing mechanism for machine guns. 2,410,100; Oct. 29.

Otto, Ferdinand P.: *See*—
Meyer, Ronald E., and Otto.

Paille, Eugene, Los Angeles, assignor to General Controls Co., Glendale, Calif. Thermoelectric generating device. 2,410,128; Oct. 29.

Pako Corporation, assignee: *See*—
Sardeson, Robert, and Savela.

Paley, Lewis A., Glen Ellyn, Ill., assignor to United States Gypsum Company, Chicago, Ill. Quick setting anhydrite and its manufacture. 2,410,390; Oct. 29.

Palmer, Charles M., Washington, D. C. Eyelash curler. 2,410,391; Oct. 29.

Park, Joseph D., Wilmington, Del., and W. W. Rhodes, Westtown, Pa., assignors to Kinetic Chemicals, Inc., Wilmington, Del. Wax free pyrethrin solutions. 2,410,101; Oct. 29.

Parker, Alvin S., Jr., High Point, N. C. Clothes drying, blocking, or stretching device. 2,410,230; Oct. 29.

Parmelee, Alfred E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of tetraethyl lead. 2,410,356; Oct. 29.

Paterson, William J., Newton Highlands, assignor to Lever Brothers Company, Cambridge, Mass. Hydrobleaching glyceride oils. 2,410,102; Oct. 29.

Patterson, Gordon D.: *See*—
Sloan, Clifford K., and Patterson.

Pattilloch, Donald K., Springfield, Mass., assignor of one-half to Chemical Development Company, Chicago, Ill., and one-half to G. B. Fowler, Springfield, Mass. Paper sizing. 2,410,357; Oct. 29.

Payne, John W., assignee: *See*—
Simpson, Thomas P., Payne, and Crowley.

Pease, Charles F., Long Beach, Calif. Vending machine. 2,410,231; Oct. 29.

Pedigo, Arthur J., Cookeville, Tenn. Refrigerating apparatus. 2,410,232; Oct. 29.

Pelletier, Paul E., Jr.: *See*—
Woodstock, Willard H., and Pelletier.

Penn, Carl O., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,410,302; Oct. 29.

Percival, William S., Ealing, London, W. 5, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Method and apparatus for reducing the effect of interference. 2,410,233; Oct. 29.

Perfex Corporation, assignee: *See*—
Frerer, Paul G.

Perkins, Charles T., assignor to Modine Manufacturing Company, Racine, Wis. Noncongealing oil cooler construction. 2,410,180; Oct. 29.

Perkins, Melvin A., and C. F. Irwin, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing antimony pentafluoride. 2,410,358; Oct. 29.

Perm Ltd., assignee: *See*—
Speakman, John B.

Permanente Metals Corporation, The, assignee: *See*—
Byrns, Alva C.

Perry, John S. C., and A. T. Prince, Kilmar, Quebec, assignors to Canadian Refractories, Limited, Montreal, Quebec, Canada. Bonded refractory for furnace linings. 2,410,359; Oct. 29.

Peters, Malcolm R., San Mateo, Calif. Stretcher. 2,410,181; Oct. 29.

Petty, Olive S., San Antonio, Tex. Seismic surveying. 2,410,303; Oct. 29.

Phelps, George H., Floral Park, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Dehydrator. 2,410,129; Oct. 29.

Philco Corporation, assignee: *See*—
Albright, Robert B.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,410,360; Oct. 29.

Phillips Control Corporation, assignee: *See*—
Wasserlein, Henry G.

Phillips Petroleum Company, assignee: *See*—
Legatski, Harold R.

Pickering, Walter J., assignee: *See*—
Lambert, Harry L.

Plumtree, Leona T., South San Francisco, Calif. Hair clip. 2,410,130; Oct. 29.

Pollak Manufacturing Company, assignee: *See*—
Markey Roscoe I.

Poor & Company, assignee: *See*—
Boland, Edward J.

Powell, Winfred T., assignor to Stromberg-Carlson Company, Rochester, N. Y. Automatic telephone system. 2,410,304; Oct. 29.

Prance, Alvin W., Royal Oak, assignor to Briggs Manufacturing Company, Detroit, Mich. Making plastic articles. 2,410,361; Oct. 29.

Premier Crystal Laboratories, Incorporated, assignee: *See*—
Bach, Henry M.

Prince, Alan T.: *See*—
Perry, John S. C., and Prince.

Prior, Fred, Dallas, Tex. Fuel tank mounting. 2,410,182; Oct. 29.

Pullman-Standard Car Manufacturing Company, assignee: *See*—
Lutherman, Lewis A., and Thompson.

Purves Corporation, The, assignee: *See*—
Beach, Lennox F.

Radio Corporation of America, assignee: *See*—
Anderson, Earl I.
Blitz, Daniel.
Carlson, Wendell L.
Flory, Leslie E.
Kellogg, Edward W.
Lawrence, Howard C., Jr.
Mercer, William R., and Cole.
Nicoll, Frederick H.
Sziklai, George C.
Tolson, William A.

Rainard, Leo W., Cochituate, Mass., assignor, by mesne assignments, to National Dairy Products Corporation, New York, N. Y. Curing acrylate polymers and resulting product. 2,410,103; Oct. 29.

Rainey, Paul M., Martinsville, N. J., assignor to Federal Telephone & Radio Corporation. Light directing device. 2,410,104; Oct. 29.

Ray, William A., Glendale, Calif., assignor to General Controls Co. Electromagnetic device. 2,410,183; Oct. 29.

Raytheon Manufacturing Company, assignee: *See*—
Spencer, Percy L.

Read, Robert C., Wilton, Conn., and E. W. Schlieben, Scarsdale, assignors to York Research Corporation, New York, N. Y. Combination aerial and land vehicle. 2,410,234; Oct. 29.

Reaney, Warford A., Delaware, Ohio. Method and apparatus for heat treating calcareous materials. 2,410,235; Oct. 29.

Reaney, Warford A., Delaware, Ohio. Method and apparatus for heat treating loose bulk materials. 2,410,236; Oct. 29.

Reek, Ashley J.: *See*—
Miller, William J., and Reek.

Reeves Pulley Company, assignee: *See*—
Falk, Irvin V.

Regents of the University of Michigan, assignee: *See*—
Blicke, Frederick F.

Reiser, Alfred A., Buffalo, assignor, by mesne assignments, to H. & A. Manufacturing Co., Binghamton, N. Y. Electrical contact heater. 2,410,362; Oct. 29.

Remus, Valentin; vested in the Alien Property Custodian. Valve. 2,410,105; Oct. 29.

Renfrew, Malcolm M.: *See*—
Macht, Maurice L., and Renfrew.

Renshaw, Samuel, Columbus, Ohio. Tachistosopic apparatus. 2,410,237; Oct. 29.

Reynolds, Frank D., assignor to Gaylord Products, Incorporated, Chicago, Ill. Hair curler. 2,410,106; Oct. 29.

Rhodes, William W.: *See*—
Park, Joseph D., and Rhodes.

Rich, Clayton L., Los Angeles, Calif. Wrench. 2,410,392; Oct. 29.

Richter, Henry J., and H. S. Rothrock, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerized esters of carboxylic acids and preparation of same. 2,410,305; Oct. 29.

Riggs, Homer C.: *See*—
Higginson, Joseph H., and Riggs.

Riggs & Lombard, Inc., assignee: *See*—
Higginson, Joseph H., and Riggs.

Rines, Albert H., Amesbury, and J. Hardy, and D. J. O'Keefe, Newburyport, Mass., assignors to Hytron Corporation. Box end folding machine. 2,410,393; Oct. 29.

Ringrose, Joseph E., Redmond, Oreg. Hay loading apparatus. 2,410,238; Oct. 29.

Roder, Frank Z., assignee, et al.: *See*—
Andrzejewski, Clara.

Roe, Carl, Mineola, N. Y. Airplane. 2,410,239; Oct. 29.

Roethel Engineering Corporation, assignee: *See*—
Roethel, John H.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Window regulator. 2,410,363; Oct. 29.

Romberg, Raymond A., Orange, Conn. Welding shield or the like. 2,410,306; Oct. 29.

Rosenthal, Harry, Belle Harbor, N. Y. Electrical jumper for short circuiting the contacts of fluorescent lamp sockets. 2,410,364; Oct. 29.

Roth, Clayton H.: *See*—
Harrer, Paul H., and Roth.

Rothrock, Henry S.: *See*—
Richter, Henry J.

Rumsey, Joseph B., Westwood, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for converting tow to top. 2,410,307; Oct. 29.

Russell Manufacturing Company, The, assignee: *See*—
Hendley, James A.

Sachanen, Alexander N., and A. A. O'Kelly, Woodbury, N. J., and C. G. Myers, Bryn Mawr, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylation process. 2,410,107; Oct. 29.

Sachanen, Alexander N., and A. A. O'Kelly, Woodbury, N. J., and C. G. Myers, Bryn Mawr, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylation. 2,410,108; Oct. 29.

Saco-Lowell Shops, assignee: *See*—
Neal, Charles M.

Sardeson, Robert, and E. H. Savela, assignors to Pako Corporation, Minneapolis, Minn. Film holding device. 2,410,131; Oct. 29.

Satterlee, Percy: *See*—
McDonnell, Lester V., and Satterlee.

Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Dirigible searchlight. 2,410,365; Oct. 29.

Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Lamp. 2,410,366; Oct. 29.

Savage, Lawrence A., Pelzer, S. C., assignor to The Kendall Company, Boston, Mass. Manufacture of textiles. 2,410,394; Oct. 29.

Savela, Edward H.: *See*—
Sardeson, Robert, and Savela.

Scharwath, Clemens G., Long Branch, N. J. Self-insulated conduit. 2,410,308; Oct. 29.

Schauer, Lawrence B.: *See*—
Davidson, Trevor O., and Schauer.

Schauweker, George H., assignor to American Optical Company, Southbridge, Mass. Eye protection device. 2,410,184; Oct. 29.

Schelleng, John C., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable cavity resonator. 2,410,109; Oct. 29.

Schlicksupp, Theodore F., Long Island City, N. Y. Feeding mechanism for quilting machines and the like. 2,410,240; Oct. 29.

Schlieben, Ernest W.: *See*—
Read, Robert C., and Schlieben.

Schneider, Adolf G.: *See*—
Schneider, Heinrich and A. G.

Schneider Brothers Company, assignee: *See*—
Schneider, Heinrich and A. G.

Schneider, Heinrich, Hamilton, Ohio, and A. G. Schneider, Muncie, Ind., assignors to Schneider Brothers Company. Rotary hydraulic torque converter. 2,410,185; Oct. 29.

Schramm, Arthur G., Phoenix, Ariz. Riding dolly. 2,410,241; Oct. 29.

Schulein, Joseph, Corvallis, Oreg. Electrochemical process of treating chromite ore. 2,410,242; Oct. 29.

Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Brake and lock mechanism. 2,410,243; Oct. 29.

Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Fuse. 2,410,244; Oct. 29.

Scientific Research and Development, Office for Emergency Management, Government of the United States, as represented by the Director of the Office of, assignee: *See*—
Lindsay, Harold W.

Scrivener, William C., and A. G. Brewer, Sutton Coldfield, assignors to Masts Limited, Birmingham, England. Union for masts, poles, and the like. 2,410,245; Oct. 29.

Scrivener, William C., and A. G. Brewer, Sutton Coldfield, assignors to Masts Limited, Birmingham, England. Mast, pole, and the like. 2,410,246; Oct. 29.

Sellstrom Manufacturing Company, assignee: *See*—
Anderson, Marshall N., and Sellstrom.

Sellstrom, Melvin H., assignee: *See*—
Anderson, Marshall N., and Sellstrom.

Shapiro, Jacob, Brooklyn, N. Y. Douche receptacle. 2,410,367; Oct. 29.

Sharon Steel Corporation, assignee: *See*—
Weesner, Carl W., and Leffingwell.

Sherwin-Williams Company, The, assignee: *See*—
O'Neal, Grady M.

Shields, Francis J., Bombay, N. Y. Slipper. 2,410,186; Oct. 29.

Simmonds Aerocessories Limited, assignee: *See*—
Goudime-Levkovitsch, Paul.

Simpson, Thomas P., J. W. Payne, and J. A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Continuous catalytic system. 2,410,309; Oct. 29.

Sinclair Refining Company, assignee: *See*—
Kimball, Thomas B.

Singer Manufacturing Company, The, assignee: *See*—
Wood, Alfred R.

Sink & Float Corporation, The, assignee: *See*—
Zeigler, William L., and Garber.

Sloan, Clifford K., Thornton, Pa., and G. D. Patterson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,410,187; Oct. 29.

Smart, Paul: *See*—
Herro, Alexander C., and Smart.

Smidth, Leonard, New York, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Acid-curing synthetic resin combined with olefin-sulfur dioxide polymer. 2,410,395; Oct. 29.

Smisko, John, Washington, D. C., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Line pressure valve. 2,410,132; Oct. 29.

Smith, Clifford E., assignee: *See*—
Brock, Frank H., and Smith,

Smith, Howard, Paper Mills Limited, assignee: *See*—
Spencer, Harry S.

Smith, Jasper A., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,410,310; Oct. 29.

Smith, John G., Brunswick, Ga. Racking apparatus. 2,410,247; Oct. 29.

Smith, John H., assignee: *See*—
Bardwell, Ralph F., and Smith.

Smith, Paul L.: *See*—
William, Lewis E., Jr., and Smith.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Horton, Aaron W.
Horton, Aaron W., Brooks, and O'Kelly.
Meyer, Ronald E., and Otto.
Sachanen, Alexander N., O'Kelly, and Myers.
Simpson, Thomas P., Payne, and Crowley.
Sowerwine, Elbert O., Jr.

Solomon, Charles, New York, N. Y. Button wing for garment sleeves. 2,410,188; Oct. 29.

Sowerwine, Elbert O., Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for preparing formed gels. 2,410,314; Oct. 29.

Sowerwine, Elbert O., Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for preparing formed gels. 2,410,315; Oct. 29.

Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Axle. 2,410,133; Oct. 29.

Speakman, John B., Far Headingley, Leeds, England, assignor to Perm Ltd., Dover Del. Treatment of fibers or fibrous materials containing keratin. 2,410,248; Oct. 29.

Spencer, Harry S., Beauharnois, assignor to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada. Warning alarm signal for paper machines. 2,410,249; Oct. 29.

Spencer, Percy L., assignor to Raytheon Manufacturing Company, West Newton, Mass. High efficiency magnetron. 2,410,396; Oct. 29.

Sperry Gyroscope Company, Inc., assignee: *See*—
Frische, Carl A., and Hanson.
Kenyon, David E.
Morgenthaler, Frederick W., and Garwood.
Varian, Russell H.

Squire, Robert L., assignee, et al.: *See*—
Andrzejewski, Clara.

Stackhouse, Milroy G., Homewood, Ala. Baby play pen. 2,410,368; Oct. 29.

Staley, A. E., Manufacturing Co., assignee: *See*—
Brock, Frank H., and Smith.
Morgan, Willard L.

Standard Oil Company, assignee, et al.: *See*—
Gunness, Robert C., and Jewell.

Standard Oil Company, The, assignee: *See*—
Burk, Robert E., and Hughes.

Standard Oil Development Company, assignee: *See*—
Campbell, Donald L.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
West, Victor E.

Standard Telephones and Cables Limited, assignee: *See*—
Fremlin, John H., and Hall.
Weston, Jeffrey D.

Standolind Oil and Gas Company, assignee: *See*—
Farris, Riley F., and Clark.

Staples, Dana R., Ridley Park, Pa., assignor to The Baldwin Locomotive Works. Locomotive control panel. 2,410,250; Oct. 29.

Stearn, Franklin A.: *See*—
Haigh, Leslie B., and Stearn.

Steel Heddle Manufacturing Company, assignee: *See*—
Kaufmann, John J., Jr.

Steen, S. E., assignee: *See*—
Eilenberger, Stanley D.

Steffen, Joseph A.: *See*—
Nilles, Philip C., and Steffen.

Steinbach, Warner, Maplewood, N. J. Safety razor and blade magazine therefor. 2,410,311; Oct. 29.

Stevenson, Lawrence J., Torrance, and L. L. Babcock, Compton, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Method and apparatus for flame hardening. 2,410,134; Oct. 29.

Stock, Charles R.: *See*—
Loukomsky, Serge A., and Stock.

Storch, Harold A., Fairview Village, Ohio. Molding apparatus. 2,410,312; Oct. 29.

Straubel, James W., assignee, trustee: *See*—
Straubel, Louis A. and J. W.

Straubel, Louis A. and J. W.; said L. A. Straubel assignor to J. W. Straubel, trustee, Green Bay, Wis. Creping machine. 2,410,189; Oct. 29.

Strezynski, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separating bowl. 2,410,313; Oct. 29.

Stromberg-Carlson Company, assignee: *See*—
Powell, Winfred T.
Vincent, Andrew W.

Structural Planeparts, Inc., assignee: *See*—
Mirel, Arthur G.

Submarine Signal Company, assignee: *See*—
Harrison, Bertram M.
Turner, Edwin E., Jr.

Sun Chemical Corporation, assignee: *See*—
Langstroth, Theodore A.

Sundback, Gideon, Meadville, Pa. Making slide fastener stringers. 2,410,135; Oct. 29.

Sylvania Electric Products Inc., assignee: *See*—
Mueller, William P.

Sylvania Industrial Corporation, assignee: *See*—
Smidth, Leonard.

Sziklai, George C., Bloomington, Ind., assignor to Radio Corporation of America. Power supply circuits. 2,410,369; Oct. 29.

T. I. (Group Services) Limited, assignee: *See*—
Evans, David W. T.

Tack, Carl E.: *See*—
Baselt, Walter H., and Tack.

Taft, Howard W., assignee, et al.: *See*—
Eilenberger, Stanley D.

Taurman, Alphonso, Birmingham, Ala. Bottle crate. 2,410,251; Oct. 29.

Taylor, Donald C.: *See*—
Carter, Frederick, and Taylor.
Taylor, Harden F., New York, N. Y., assignor, by mesne assignments, to Brewer & Company, Inc., Worcester, Mass. Making tablets. 2,410,110; Oct. 29.
Telefonaktiebolaget L. M. Ericsson, assignee: *See*—
Thielers, Ernst M., and Broberg.
Thielers, Ernst M., Stockholm, and W. O. W. Broberg, Nynashamn, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Thermal circuit interrupter. 2,410,370; Oct. 29.
Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Production of motor fuel. 2,410,316; Oct. 29.
Thomas, Charles L., and V. Haensel, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,410,111; Oct. 29.
Thompson, Earl L.: *See*—
Lutherman, Lewis A., and Thompson.
Thompson Products, Inc., assignee: *See*—
Townhill, Arthur.
Timken-Detroit Axle Company, The, assignee: *See*—
Keese, Beverly W.
Toledo Scale Company, assignee: *See*—
Williams, Lawrence S.
Tolson, William A., Princeton, N. J., assignor to Radio Corporation of America. Heat responsive device. 2,410,317; Oct. 29.
Torrence, Edmond G., Port Arthur, Tex. Cable stripping tool. 2,410,252; Oct. 29.
Townhill, Arthur, assignor to Thompson Products, Inc., Cleveland, Ohio. Making plug type hollow poppet valves. 2,410,190; Oct. 29.
Tremblay, Laurent: *See*—
Jamieson, Marcel, and Tremblay.
Trogner, Arthur M., East Stroudsburg, Pa., assignor to Line Material Company, Milwaukee, Wis. Operating mechanism for electrical switches. 2,410,253; Oct. 29.
Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Oscillator. 2,410,112; Oct. 29.
Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Oscillator. 2,410,113; Oct. 29.
Tyron, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of acylated amino hydroxy compounds by the action of acid anhydrides on 2-oxazolines. 2,410,318; Oct. 29.
Tyrrell, Warren A., Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling arrangement for use in wave transmission systems. 2,410,114; Oct. 29.
Union Oil Company of California, assignee: *See*—
Jenkins, Vance N.
United Aircraft Corporation, assignee: *See*—
Cronstedt, Val.
United Shoe Machinery Corporation, assignee: *See*—
Bertrand, Frederic E.
United States Gypsum Company, assignee: *See*—
Paley, Lewis A.
United States Rubber Company, assignee: *See*—
Nygren, Joseph W.
Universal Oil Products Company, assignee: *See*—
Danforth, Joseph D.
Thomas, Charles L.
Thomas, Charles L., and Haensel.
Upjohn Company, The, assignee: *See*—
Kuizenga, Marvin H.
Varian, Russell H.: *See*—
Hansen, William W., Varian, R. H. and S. F.
Varian, Russell H., Wantagh, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Image intensifier. 2,410,115; Oct. 29.
Varian, Sigurd F.: *See*—
Hansen, William W., and Varian, R. H. and S. F.
Vickers, Harry F., assignor, by mesne assignments, to Vickers, Incorporated, Detroit, Mich. Breech actuating and control system. 2,410,116; Oct. 29.
Vickers, Incorporated, assignee: *See*—
Vickers, Harry F.
Victor Chemical Works, assignee: *See*—
Woodstock, Willard H., and Pelletier.
Vincent, Andrew W., assignor to Stromberg-Carlson Company, Rochester, N. Y. Multicontact relay. 2,410,136; Oct. 29.
Vokes, Cecil G., London, England. Filter. 2,410,371; Oct. 29.
Von Kohorn, Henry, New York, N. Y. Producing nitrocellulose. 2,410,319; Oct. 29.
Voorhees, L. G., assignee: *See*—
Eilenberger, Stanley D.
Waddell, James, Metuchen, N. J., and W. W. Woessner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vitamin D. 2,410,254; Oct. 29.
Waggaman, William H.: *See*—
Breton, Ernest J., and Waggaman.
Wales, George F., Kenmore, N. Y. Method of and apparatus for punching by transfer means. 2,410,372; Oct. 29.
Wallach, George, Chapman Camp, British Columbia, Canada. Power transmission apparatus. 2,410,137; Oct. 29.
Walsh, Thomas J.: *See*—
Burk, Robert E., and Walsh.
Wanezek, Anthony R., assignee: *See*—
Bagan, John P.
Wasserlein, Henry G., Park Ridge, assignor to Phillips Control Corporation, Chicago, Ill. Shaded pole construction for solenoids. 2,410,320; Oct. 29.
Watts, William S., Detroit, Mich., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J. Electrical connector. 2,410,321; Oct. 29.
Webb, Samuel: *See*—
Nesbitt, Andrew B., and Webb.
Weesner, Carl W., Warren, Ohio, and W. B. Leffingwell, assignors to Sharon Steel Corporation, Sharon, Pa. Treatment of manganese steel. 2,410,322; Oct. 29.
Weiss, Robert H., Plainfield, and A. C. Wintringham, Glen Ridge, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of arylides of aromatic ortho-hydroxy carboxylic acids. 2,410,397; Oct. 29.
Wellman, Katherine, assignor to Bacwell Enterprises Incorporated, New York, N. Y. Clothes cleaning device. 2,410,323; Oct. 29.
Wells, Roy E., assignor to Art Metal Construction Company, Jamestown, N. Y. Filing cabinet. 2,410,255; Oct. 29.
Werner, Francis V., Bridgeton, N. J. Batch scale. 2,410,138; Oct. 29.
West, Victor E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car roof. 2,410,191; Oct. 29.
Westervelt, John R., Jr., Duxbury, assignor to National Fireworks, Inc., West Hanover, Mass. Revolving crane accessory for fork trucks. 2,410,373; Oct. 29.
Westinghouse Electric Corporation, assignee: *See*—
Clark, Earl K.
Weston Electrical Instrument Corporation, assignee: *See*—
Miller, John H.
Weston, Jeffrey D., assignor to Standard Telephones and Cables Limited, London, England. Visual indicator for radio blind approach systems. 2,410,117; Oct. 29.
White, William K., Jr.: *See*—
Hutchins, James F., and White.
Whitin Machine Works, assignee: *See*—
Crockett, Frank L.
Wiebke, August: *See*—
Marvin, Ralph J., and Wiebke.
Wiese, Caroline and H. E., Cleveland, Ohio. Infants' garment. 2,410,374; Oct. 29.
Wiese, Harold E.: *See*—
Wiese, Caroline and H. E.
Wildhaber, Ernest: *See*—
Johanson, Magnus H., and Wildhaber.
Williams, Alfred O.: *See*—
Burrows, Robert J., and Williams.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,410,139; Oct. 29.
Williams, Lewis E., Jr., and P. L. Smith, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Rivet. 2,410,398; Oct. 29.
Windsor, Reginald H., and E. Gaspar, London, England; said Gaspar assignor to said Windsor. Machine for molding thermosetting materials. 2,410,324; Oct. 29.
Wintringham, Andrews C.: *See*—
Weiss, Robert H., and Wintringham.
Woessner, Warren W.: *See*—
Waddell, James, and Woessner.
Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work clamp for sewing machines. 2,410,399; Oct. 29.
Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread controlling device. 2,410,400; Oct. 29.
Woodstock, Willard H., Flossmoor, and P. E. Pelletier, Jr., Chicago Heights, Ill., assignor to Victor Chemical Works. Producing trialkyl phosphate esters. 2,410,118; Oct. 29.
Wright, Fred J., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,410,375; Oct. 29.
Wright Products, Inc., assignee: *See*—
Irwin, Justus C.
Yardeny, Michel N., New York, N. Y. Delayed action relay. 2,410,325; Oct. 29.
York Research Corporation, assignee: *See*—
Read, Robert C., and Schlieben.
Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Tube assembly machine for heat-exchange cores. 2,410,140; Oct. 29.
Young Radiator Company, assignee: *See*—
Young, Fred M.
Zeigler, William L., Wallace, and C. Y. Garber, Kellogg, Idaho, assignors to The Sink & Float Corporation, New York, N. Y. Combined vibratory scrubber, stratifier, and screen for minerals. 2,410,326; Oct. 29.
Zell, Julius S., Portland, Oreg. Vertically adjustable bifocal spectacles. 2,410,141; Oct. 29.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Flexible mattress handle. M. Bechik. Re. 22,807; Oct. 29.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. E. Prushek. 714; Oct. 29.

LIST OF DESIGN INVENTIONS

Box or similar article, Mail. R. E. Burt. 145,832; Oct. 29.
Brooch. F. J. Gargano. 145,842; Oct. 29.
Brooch or similar article. A. Katz. 145,847; Oct. 29.
Building. W. A. Fennell. 145,837; Oct. 29.
Coffee maker, Electric. G. W. Florian. 145,838–9; Oct. 29.
Container for candy, perfume, flowers, and the like. K. Harrington. 145,845; Oct. 29.
Dress. D. M. Goodstein. 145,843; Oct. 29.
Dress. K. Rost. 145,859; Oct. 29.
Enlarger, Photographic. K. Racine and V. P. Shelton. 145,855; Oct. 29.
Fabric, Printed. E. S. Kales. 145,846; Oct. 29.
Game board. D. Fillson and D. B. Crollard. 145,840; Oct 29.
Hanger or similar article. J. Read. 145,856–7; Oct. 29.
Housing, Rotary mower. J. G. Doyle. 145,836; Oct. 29.
Ladle. R. H. Abel. 145,830; Oct. 29
Plaque or similar article. J. Russo. 145,860; Oct. 29.
Ring or similar article, Finger. A. Nalick. 145,848; Oct. 29.
Server, Cigarette. F. Zimbalist. 145,863; Oct. 29.
Showcase. H. C. Chase. 145,833–5; Oct. 29.
Statuette. F. J. Frechette, Sr., and F. J. Frechette, Jr. 145,841; Oct. 29.
Toy animal figure or similar article. M. L. Quinby. 145,854; Oct. 29.
Toy or similar article, Pull. J. F. Griffith. 145,844; Oct. 29.
Toy table or similar article. I. Rosenbloom. 145,858; Oct. 29.
Trimming or similar article, Embroidered. H. Tobler. 145,861–2; Oct. 29.
Wallet. C. Panzer. 145,849–53; Oct. 29.
Watch and holder strap therefor, Combined wrist. C. Arpels. 145,831; Oct. 29.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF OCTOBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accessory mechanism and drive for aircraft engines. J. W. Kinnucan. 2,410,167; Oct. 29.
Acid-curing synthetic resin combined with olefin-sulfur dioxide polymer. L. Smidth. 2,410,395; Oct. 29.
Acids and preparation of same, Polymerized esters of carboxylic. H. J. Richter and H. S. Rothrock. 2,410,305; Oct. 29.
Actuating and control system, Breech. H. F. Vickers. 2,410,116; Oct. 29.
Acylated amino hydroxy compounds by the action of acid anhydrides on 2-oxazolines, Production of. P. F. Tryon. 2,410,318; Oct. 29.
Adhesive and adhesive sheet. R. G. Drew. 2,410,053; Oct. 29.
Adhesive, Pressure-sensitive. W. Kellgren. 2,410,079; Oct. 29.
Agitator for liquid cooling systems. J. H. Horan. 2,410,162; Oct. 29.
Air furnishing device, Auxiliary. P. C. Nilles and J. A. Steffen. 2,410,125; Oct. 29.
Airplane. C. Roe. 2,410,239; Oct. 29.
Alarm signal for paper machines, Warning. H. S. Spencer. 2,410,249; Oct. 29.
Alkyl esters and their salts, Basic. F. F. Blicke. 2,410,040; Oct. 29.
Alkylation. A. N. Sachanen, A. A. O'Kelly, and C. G. Myers. 2,410,108; Oct. 29.
Alkylation of isobutane with propylene. A. W. Horton, J. W. Brooks, and A. A. O'Kelly. 2,410,072; Oct. 29.
Alkylation process. A. N. Sachanen, A. A. O'Kelly, and C. G. Myers. 2,410,107; Oct. 29.
Anhydrate and its manufacture, Quick setting. L. A. Paley. 2,410,390; Oct. 29.
Antimony pentafluoride, Preparing. M. A. Perkins and C. F. Irwin. 2,410,358; Oct. 29.
Apparatus for converting tow to top. J. B. Rumsey. 2,410,307; Oct. 29.
Apparatus for decrating eggs. W. G. Howard. 2,410,163; Oct. 29.
Apparatus for dipping tubes, bars, and the like. D. W. T. Evans. 2,410,023; Oct. 29.
Apparatus for filling life preservers and the like. J. A. Cook. 2,410,015; Oct. 29.
Apparatus for grading fruits, vegetables, and other products according to size. G. H. Bleeke. 2,410,147; Oct. 29.
Apparatus for preparing formed gels. E. O. Sowerwine. 2,410,314–15; Oct. 29.
Apparatus for producing potteryware. W. J. Miller. 2,409,999; Oct. 29.
Apparatus for pyrolytically treating hydrocarbons. C. H. Hughes. 2,410,074; Oct. 29.
Armor. C. J. Dumais. 2,410,022; Oct. 29.
Arylides of aromatic ortho-hydroxy carboxylic acids, Preparation of. R. H. Weiss and A. C. Wintringham. 2,410,397; Oct. 29.
Automatic pattern controlled machine tool. H. P. Kuehni and N. G. Branson. 2,410,295; Oct. 29.
Axle. G. Spatta. 2,410,133; Oct. 29.
Bag having a burlap sampling zone, Paper. P. A. Frixione. 2,410,282; Oct. 29.
Baler, Rotary. P. H. Harrer and C. H. Roth. 2,410,159; Oct. 29.
Berth arrangement, Auxillary. L. A. Lutherman and E. L. Thompson. 2,410,173; Oct. 29.
Bifocal spectacles, Vertically adjustable. J. S. Zell. 2,410,141; Oct. 29.
Bomb releasing shackle. R. I. Markey. 2,410,036; Oct. 29.
Bowl, Centrifugal separating. G. J. Strezynski. 2,410,313; Oct. 29.
Box: *See*—
  Stacking box. Stuffing box.
Brake and lock mechanism. W. O. Schultz. 2,410,243; Oct. 29.
Bridge, Rail joint tread. W. G. Buhrer. 2,410,199; Oct. 29.
Button protector. R. A. Gauldin. 2,410,208; Oct. 29.
Cable stripping tool. E. G. Torrence. 2,410,252; Oct. 29.
Cabinet: *See*—
  Filing cabinet.
  Piezoelectric crystal cabinet.
Calcareous materials, Method and apparatus for heat treating. W. A. Reaney. 2,410,235; Oct. 29.
Calcium fluoride, Manufacturing of. E. J. Breton and W. H. Waggaman. 2,410,043; Oct. 29.
Camera, Miniature. C. V. Berry. 2,410,327; Oct. 29.
Car roof, Railway. V. E. West. 2,410,191; Oct. 29.
Carbothermic magnesia. A. C. Byrns. 2,410,267; Oct. 29.
Carboy and assembling. J. W. Nygren. 2,410,179; Oct. 29.
Case for wrist watches and the like, Display. W. Helbein. 2,410,161; Oct. 29.
Casing. A. J. Freeman. 2,410,206; Oct. 29.
Catalytic alkylation process. A. W. Horton. 2,410,070; Oct. 29.
Catalytic alkylation process. A. W. Horton, J. W. Brooks, and A. A. O'Kelly. 2,410,071; Oct. 29.
Catalytic cracking system. R. C. Gunness and J. W. Jewell. 2,410,284; Oct. 29.
Catalytic system, Continuous. T. P. Simpson, J. W. Payne, and J. A. Crowley, Jr. 2,410,309; Oct. 29.
Chair, bedstead, stretcher, or the like, Adjustable. C. E. E. Lundquist. 2,410,088; Oct. 29.
Chemical compounds. J. E. Bludworth and D. P. Easter. 2,410,008; Oct. 29.
Chemical process. D. L. Campbell. 2,410,048; Oct. 29.
Christmas tree holder. C. T. Matthews. 2,410,227; Oct. 29.
Cigarette container. W. E. Celestin. 2,410,200; Oct. 29.
Circuit: *See*—
  Electric circuit. Negative impedance electrical circuit.
  Electrical circuit. circuit.
Circuit interrupter, Thermal. E. M. Thielers and W. O. W. Broberg. 2,410,370; Oct. 29.
Circuits. Power supply. G. C. Szikiai. 2,410,369; Oct. 29.
Clamp for sewing machines, Work. A. R. Wood. 2,410,399; Oct. 29.
Cleaner: *See*—
  Electrolytic can cleaner. Suction cleaner.
  Hand cleaner.
Cleaning device, Clothes. K. Wellman. 2,410,323; Oct. 29.
Climb and guide control for aircraft, Automatic. C. A. Frische and G. N. Hanson. 2,410,058; Oct. 29.
Clip: *See*—
  Hair clip.
Clips, Attaching. L. V. McDonnell and P. Satterlee. 2,410,120; Oct. 29.
Coating by flame-spraying method. M. L. Macht and M. M. Renfrew. 2,410,225; Oct. 29.
Coating composition. C. K. Sloan and G. D. Patterson. 2,410,187; Oct. 29.
Collet chuck. R. E. Hines. 2,410,344; Oct. 29.
Colored photographic pictures, Production of. B. Gàspàr. 2,410,025; Oct. 29.
Comb. C. Lewis. 2,410,086; Oct. 29.
Comb system, Top. F. L. Crockett. 2,410,150; Oct. 29.
Combination aerial and land vehicle. R. C. Read and E. W. Schlieben. 2,410,234; Oct. 29.
Communication. E. Labin and D. D. Grieg. 2,410,350; Oct. 29.
Compression and oil scraping ring, Combination. R. J. Marvin and A. Wiebke. 2,410,177; Oct. 29.
Computer of the slide rule type. P. Goudime-Levkovitsch. 2,410,210; Oct. 29.
Conductors, Sealing lead-in. L. C. Goodale. 2,410,061; Oct. 29.
Conduit, Self-insulated. C. G. Scharwath. 2,410,308; Oct. 29.
Connector: *See*—
  Electrical connector.
Connector assembly, thermocouple lead. C. W. Muller. 2,410,098; Oct. 29.
Construction for solenoids, Shade pole. H. G. Wasserlein. 2,410,320; Oct. 29.
Container: *See*—
  Cigarette container.
Control mechanism. E. C. Burdick. 2,410,335; Oct. 29.
Control system. A. H. Buckley. 2,410,198; Oct. 29.
Control system, Furnace. H. W. Lindsay. 2,410,384; Oct. 29.
Controller, Circuit. H. L. Lambert. 2,410,085; Oct. 29.
Controlling device. Thread. A. R. Wood. 2,410,400; Oct. 29.
Conveyor system control. G. Deakin. 2,410,051; Oct. 29.
Cooler construction, Noncongealing oil. C. T. Perkins. 2,410,180; Oct. 10.
Copper phthalocyanine dyestuffs, Manufacture of. G. M. O'Neal. 2,410,301; Oct. 29.
Core lamination and production thereof. W. P. Langworthy. 2,410,220; Oct. 29.
Corset. J. J. Kispert. 2,410,083; Oct. 29.
Corset, Ventilated. J. J. Kispert. 2,410,082; Oct. 29.
Coupling arrangement for use in wave transmission systems. W. A. Tyrrell. 2,410,114; Oct. 29.
Coupling combination. E. F. Mahlberg. 2,410,297; Oct. 29.

Coupling device, Tractor. R. C. Fergason. 2,410,280; Oct. 29.
Crane accessory for fork trucks, Revolving. J. R. Westervelt, Jr. 2,410,373; Oct. 29.
Crate, Bottle. A. Taurman. 2,410,251; Oct. 29.
Creping machine. L. A. and J. W. Straubel. 2,410,189; Oct. 29.
Crochet ball holder. J. M. D'Arcy. 2,410,018; Oct. 29.
Crystal holder. H. M. Bach. 2,410,193; Oct. 29.
Cultivator, Power-driven rotary garden. G. O. Deubner. 2,410,273; Oct. 29.
Curing acrylate polymers and resulting product. L. W. Rainard. 2,410,103; Oct. 29.
Curler, Eyelash. C. M. Palmer. 2,410,391; Oct. 29.
Curler, Hair. F. D. Reynolds. 2,410,106; Oct. 29.
Curtain construction, Pleating. E. Lepow. 2,410,224; Oct. 29.
Cutter for rotary plows, Spiral. J. P. Bagan. 2,410,003; Oct. 29.
Damper, Fluid cooled, D. Dalin. 2,410,017; Oct. 29.
Defroster for ice cube trays. R. H. Baker. 2,410,194; Oct. 29.
Dehydrator. G. H. Phelps. 2,410,129; Oct. 29.
Detector crystal. W. L. Carlson. 2,410,268; Oct. 29.
Detector for altimeters, Balanced. D. Blitz. 2,410,006; Oct. 29.
Detector for altimeters, Balanced. W. R. Mercer and B. R. Cole. 2,410,122; Oct. 29.
Dial and pointer, Illuminated. G. K. C. Hardesty. 2,410,064; Oct. 29.
Dispenser: *See*—
  Toilet roll dispenser.
Displacement apparatus. R. D. Delamere. 2,410,341; Oct. 29.
Divider, Frequency. E. Norrman. 2,410,389; Oct. 29.
Dog house, Prefabricated. J. J. Latura. 2,410,221; Oct. 29.
Dolly, Riding. A. G. Schramm. 2,410,241; Oct. 29.
Door latch. J. C. Irwin. 2,410,347; Oct. 29.
Douche receptacle. J. Shapiro. 2,410,367; Oct. 29.
Drying, blocking, or stretching device, Clothes. A. S. Parker, Jr. 2,410,230; Oct. 29.
Dyeing machine. F. Carter and D. C. Taylor. 2,410,336; Oct. 29.
Edger, Lawn. F. L. Benthall, Sr. 2,410,196; Oct. 29.
Electric circuit. D. E. Kenyon. 2,410,081; Oct. 29.
Electrical apparatus. R. B. Allbright. 2,410,329; Oct. 29.
Electrical circuit. B. M. Harrison. 2,410,065; Oct. 29.
Electrical connector. W. S. Watts. 2,410,321; Oct. 29.
Electrical contact heater. A. A. Reiser. 2,410,362; Oct. 29.
Electrical equipment. H. A. Jaberg. 2,410,287; Oct. 29.
Electrochemical treating chromite ore. J. Schulein. 2,410,242; Oct. 29.
Electrode holder. H. A. Jackson. 2,410,164; Oct. 29.
Electrolytic can cleaner. A. C. Herro and P. Smart. 2,410,213; Oct. 29.
Electromagnetic device. W. A. Ray. 2,410,183; Oct. 29.
Electron discharge apparatus. J. H. Fremlin and R. N. Hall. 2,410,054; Oct. 29.
End seaming mechanism, Can. J. Brenzinger. 2,410,263; Oct. 29.
Engine: *See*—
  Internal-combustion engine. Portable engine.
  Miniature gasoline engine.
Explosively blasting joints. L. A. Burrows and W. E. Lawson. 2,410,047; Oct. 29.
Extract of coffee and the extracting and preparing the same, Liquid. W. S. Fredrickson. 2,410,157; Oct. 29.
Extrusion apparatus. E. L. Lukes. 2,410,035; Oct. 29.
Eye protection device. G. H. Schauweker. 2,410,184; Oct. 29.
Fabric, Unified fibrous. W. Kellgren. 2,410,078; Oct. 29.
Feed head for rotary tools. E. J. Lynch. 2,410,091; Oct. 29.
Feeding mechanism for quilting machine and the like. T. F. Schlicksupp. 2,410,240; Oct. 29.
Fibers or fibrous material containing keratin, Treatment of. J. B. Speakman. 2,410,248; Oct. 29.
Field responsive device, Magnetic. L. F. Beach. 2,410,039; Oct. 29.
Filing cabinet. R. E. Wells. 2,410,255; Oct. 29.
Film, Nonreflective. F. H. Nicoll. 2,410,300; Oct. 29.
Filter. C. G. Vokes. 2,410,371; Oct. 29.
Fishing rod and reel. O. J. Aubertin. 2,410,331; Oct. 29.
Flame hardening, Method and apparatus for. L. J. Stevenson and L. L. Babcock. 2,410,134; Oct. 29.
Float, Concrete. W. S. Haivala. 2,410,343; Oct. 29.
Flotation process. F. D. De Vaney. 2,410,021; Oct. 29.
Fluid mechanism, Elastic. R. Birmann. 2,410,259; Oct. 29.
Fluid pressure pump. J. B. Meyer. 2,410,354; Oct. 29.
Folding machine, Box end. A. H. Rines, J. Hardy, and D. J. O'Keefe. 2,410,393; Oct. 29.
Foreign particles from the eye, Mechanism for removing. C. Andrzejewski. 2,410,257; Oct. 29.
Fountain, Ink. G. A. MacDonald. 2,410,296; Oct. 29.
Friction shock absorber. G. A. Johnson and S. B. Haseltine. 2,410,165; Oct. 29.
Friction shock absorbing mechanism. G. E. Dath. 2,410,152; Oct. 29.
Fruit picker, Vehicle mounted. P. P. Horni. 2,410,030; Oct. 29.
Fuel, Production of motor. C. L. Thomas. 2,410,316; Oct. 29.
Fuel tank mounting. F. Prior. 2,410,182; Oct. 29.
Fuse. W. O. Schultz. 2,410,244; Oct. 29.
Galvanometer. C. M. Hathaway. 2,410,379; Oct. 29.
Garment. H. S. Heilbronner. 2,410,212; Oct. 29.
Garment, Infant's. C. and H. E. Wiese. 2,410,374; Oct. 29.
Gauge: *See*—
  Wheel alignment gauge.
Gauging device. E. F. Martinec. 2,410,093–4; Oct. 29.
Gear cutters, Method and machine for relieving. M. H. Johanson and E. Wildhaber. 2,410,348; Oct. 29.
Generator: *See*—
  Wave impulse generator.
Glass having low power factor. H. P. Hood. 2,410,286; Oct. 29.
Glass, Pocket reading. G. V. de Lery. 2,410,272; Oct. 29.
Glide attachment for bomb-sights. F. W. Morgenthaler and J. S. Garwood. 2,410,097; Oct. 29.
Grain elevator, Portable. J. A. Churchman. 2,410,012; Oct. 29.
Grate. E. W. Bullock. 2,410,266; Oct. 29.
Grinding machine. M. H. Arms and L. J. Barnard. 2,410,038; Oct. 29.
Grip for hoists. O. H. Gallamore. 2,410,378; Oct. 29.
Guard, Brake block. C. Hollerith. 2,410,029; Oct. 29.
Gunfire control, Method of and apparatus for. R. E. Crooke. 2,410,016; Oct. 29.
Gyroscope. A. Bach. 2,410,002; Oct. 29.
Hair clip. L. T. Plumtree. 2,410,130; Oct. 29.
Hair curler. J. Ashford. 2,410,144; Oct. 29.
Hand cleaner. W. E. Kleinicke. 2,410,168; Oct. 29.
Handle: *See*—
  Flexible mattress handle.
Handle for box springs and the like. M. Bechik and W. F. Caster. 2,410,258; Oct. 29.
Hat construction. E. J. King. 2,410,033; Oct. 29.
Hat, Paper. I. Gardner. 2,410,158; Oct. 29.
Heat responsive device. W. A. Tolson. 2,410,317; Oct. 29.
Heater: *See*—
  Electrical contact heater. Portable electric heater.
Heater. H. J. De N. McCollum. 2,410,353; Oct. 29.
Heating apparatus. E. K. Clark. 2,410,013–14; Oct. 29.
Heating apparatus, Flame. J. O. Bishop and L. L. Babcock. 2,410,005; Oct. 29
Helmet, Welders'. M. N. Anderson and M. H. Sellstrom. 2,410,256; Oct. 29.
Heparin, Recovery of. M. H. Kuizenga. 2,410,084; Oct. 29.
High-frequency apparatus. W. M. Kellogg. 2,410,080; Oct. 29.
High-frequency tube structure and apparatus. W. W. Hanse and R. H. and S. Varian. 2,410,063; Oct. 29.
High-frequency wave signaling system. W. P. Mueller. 2,410,387; Oct. 29.
High, molecular weight oliphatic ketones, Preparing. R. E. Meyer and F. P. Otto. 2,410,096; Oct. 29.
Holder: *See*—
  Christmas tree holder. Crystal holder.
  Crochet ball holder. Electrode holder.
Holding device, Film. R. Sardeson and E. H. Savela. 2,410,131; Oct. 29.
Hollow poppet valves, Making plug type. A. Townhill. 2,410,190; Oct. 29.
Horse, Scaffold. W. Ashenfelter. 2,410,330; Oct. 29.
Hydraulic apparatus. F. J. Wright. 2,410,375; Oct. 29.
Hydraulic mechanism. J. A. H. Barkeij. 2,410,333; Oct. 29.
Hydraulic torque device, Rotary. H. and A. G. Schneider. 2,410,185; Oct. 29.
Hydrocarbon catalyzing process. R. E. Burk and E. C. Hughes. 2,410,044; Oct. 29.
Hydrocarbons, Alkylation of. J. D. Danforth. 2,410,151; Oct. 29.
Hydrocarbons, Treatment of. H. R. Legatski. 2,410,223; Oct. 29.
Hydrocarbons, Treatment of. C. L. Thomas and V. Haensel. 2,410,111; Oct. 29.
Image intensifier. R. H. Varian. 2,410,115; Oct. 29.
Indicator for radio blind approach systems, Visual. J. D. Weston. 2,410,117; Oct. 29.
Insole machine. F. E. Bertrand. 2,410,004; Oct. 29.
Instrument balance weight. P. S. Johnson and J. W. Dodds. 2,410,288; Oct. 29.
Internal-combustion engine. W. H. McInturff. 2,410,095; Oct. 29.
Isobutane and the like hydrocarbons, Production of. E. W. M. Fawcett and J. H. Beynon. 2,410,024; Oct. 29.
Joint. H. E. Machamer. 2,410,175; Oct. 29.
Joint for concrete roadway, Expansion. R. C. Olmsted and A. H. Harris. 2,410,099; Oct. 29.

Joint for rotary hydraulic machines, Plate steel casing. J. F. Corby. 2,410,201; Oct. 29.
Joint split ring union device, Nonslip. J. R. Guildford. 2,410,027; Oct. 29.
Jumper for short-circuiting the contacts of fluorescent lamp sockets, Electrical. H. Rosenthal. 2,410,364; Oct. 29.
Key, Telephone. L. B. Haigh and F. A. Stearn. 2,410,062; Oct. 29.
Laboratory fractionating column head. R. E. Burk and T. J. Walsh. 2,410,045; Oct. 29.
Lamp. H. J. Sauer. 2,410,366; Oct. 29.
Latch: *See*—
Door latch.
Lathe, Automatic. W. F. Groene and H. C. Kemper. 2,410,026; Oct. 29.
Latrine, Sanitary field. C. G. Martin. 2,410,092; Oct. 29.
Lenses and making the same. R. F. Bardwell and J. H. Smith. 2,410,145; Oct. 29.
Light directing device. P. M. Rainey. 2,410,104; Oct. 29.
Ligneous resinous composition and producing. M. R. Dusenbury. 2,410,205; Oct. 29.
Line pressure valve. J. Smisko. 2,410,132; Oct. 29.
Loading apparatus, Hay. J. E. Ringrose. 2,410,238; Oct. 29.
Locating system, Water. R. F. Farris and J. B. Clark. 2,410,278; Oct. 29.
Loose bulk materials, Method and apparatus for heat treating. W. A. Reaney. 2,410,236; Oct. 29.
Lubricant. J. F. Hyde. 2,410,346; Oct. 29.
Machine for impregnating electric insulation. J. W. Olson. 2,410,126; Oct. 29.
Machine for impregnating electric insulation. J. W. Olson and C. W. Bechle. 2,410,127; Oct. 29.
Machine for molding thermo setting materials. R. H. Windsor and E. Gaspar. 2,410,324; Oct. 29.
Machine for sharpening circular saws, milling-cutters and the like. C. E. Drake. 2,410,274; Oct. 29.
Machine for splitting tubular fabric, opening it and extracting moisture therefrom. H. W. Birch. 2,410,146; Oct. 29.
Magnetron, High efficiency. P. L. Spencer. 2,410,396; Oct. 29.
Manufacture. S. Kaplan. 2,410,382; Oct. 29.
Marker for airports, Luminous. E. M. Farris. 2,410,277; Oct. 29.
Marker mechanism, Thread. R. L. Dashew. 2,410,270; Oct. 29.
Mast, pole, and the like. W. C. Scrivener and A. G. Brewer. 2,410,246; Oct. 29.
Metalworking machine. A. G. Mirel. 2,410,298; Oct. 29.
Miniature gasoline engine. D. Miller. 2,410,229; Oct. 29.
Molding apparatus. H. A. Storch. 2,410,312; Oct. 29.
Mounting: *See*—
Fuel tank mounting.
Screw or threaded rod mounting.
Multicontact relay. A. W. Vincent. 2,410,136; Oct. 29.
Negative impedance circuit. K. S. Johnson. 2,410,076; Oct. 29.
Newspapers and the like, Folding. K. C. Garrison. 2,410,059; Oct. 29.
Nitro-cellulose, Producing. H. Von Kohorn. 2,410,319; Oct. 29.
Nozzle, Spray. H. G. Houghton. 2,410,215; Oct. 29.
Nut, Self-locking. A. C. Lusher. 2,410,090; Oct. 29.
Objective for projection, photography television, and for telescope. A. J. Holman. 2,410,069; Oct. 29.
Oil composition, Lubricating. V. N. Jenkins. 2,410,381; Oct. 29.
Oils, Hydrobleaching glyceride. W. J. Paterson. 2,410,102; Oct. 29.
1-methylolcyclohexyl-cyclohexyl-carbinol. J. E. Bludworth and D. P. Easter. 2,410,007; Oct. 29.
Operating mechanism for dump trucks, Tail gate. J. D. Burns. 2,410,046; Oct. 29.
Operating mechanism for electrical switches. A. M. Trogner. 2,410,253; Oct. 29.
Ores, Beneficiation of iron. R. B. Booth and E. C. Herkenhoff. 2,410,376–7; Oct. 29.
Oscillator. B. J. Lazan. 2,410,170; Oct. 29.
Oscillator. E. E. Turner, Jr. 2,410,112–13; Oct. 29.
Oven, Gas range. G. Herbster. 2,410,285; Oct. 29.
Overshot. N. T. Breaux. 2,410,262; Oct. 29.
Panel, Locomotive control. D. R. Staples. 2,410,250; Oct. 29.
Paper shipping carton having interlocking end closure, Heavy-duty. F. R. Buhrmaster. 2,410,148; Oct. 29.
Parachute. L. P. Frieder. 2,410,207; Oct. 29.
Parachute. L. P. Frieder and W. S. Finken. 2,410,057; Oct. 29.
Parasiticidal compositions. F. W. Fletcher and E. E. Kenaga. 2,410,281; Oct. 29.
Pen, Baby play. M. G. Stackhouse. 2,410,368; Oct. 29.
Perforating and tubulating apparatus. R. A. Hinkley. 2,410,345; Oct. 29.
Piezoelectric crystal cabinet. S. A. Bokovoy. 2,410,041; Oct. 29.
Pigment or dyestuff and making the same. T. A. Langstroth. 2,410,219; Oct. 29.
Plastic articles, Making. A. W. Prance. 2,410,361; Oct. 29.
Plasticized prolamine and derivative compositions, Production of. W. L. Morgan. 2,410,124; Oct. 29.
Plastometer. S. A. Loukomsky and C. R. Stock. 2,410,385; Oct. 29.
Polyesters, Manufacture of. J. B. Howard. 2,410,073; Oct. 29.
Portable electric heater. J. J. Gough. 2,410,211; Oct. 29.
Portable engine. P. Altman. 2,410,143; Oct. 29.
Post, Highway traffic. R. E. L. Maxey. 2,410,228; Oct. 29.
Potteryware, Method and apparatus for appendaging. W. J. Miller and A. J. Reek. 2,410,123; Oct. 29.
Power take-off unit. B. W. Keese. 2,410,077; Oct. 29.
Power transmission apparatus. G. Wallach. 2,410,137; Oct. 29.
Power unit-handle cooling, Portable. P. Altman. 2,410,142; Oct. 29.
Preheater for pulverizing mills, Air. R. S. Cooper and S. Holm. 2,410,337; Oct. 29.
Pressure producing device, Fluid. L. E. LaBrie. 2,410,169; Oct. 29.
Protector: *See*—
Button protector.
Pulse selectivity system. E. I. Anderson. 2,410,000; Oct. 29.
Pump: *See*—
Fluid pressure pump.
Pump form. G. H. De Long and B. Dreisbach. 2,410,153; Oct. 29.
Punching by transfer means, Method of and apparatus for. G. F. Wales. 2,410,372; Oct. 29.
Racking apparatus. J. G. Smith. 2,410,247; Oct. 29.
Ram construction, Booster. B. D. Ashbaugh. 2,410,001; Oct. 29.
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Razor and blade magazine therefor, Safety. W. Steinbach. 2,410,311; Oct. 29.
Receptable: *See*—
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Reducing machine, Tube. C. L. Dewey. 2,410,052; Oct. 29.
Reducing the effect of interference, Method and apparatus for. W. S. Percival. 2,410,233; Oct. 29.
Reel: *See*—
Fishing rod and reel.
Refractory for furnace linings, Bonded. J. S. C. Perry and A. T. Prince. 2,410,359; Oct. 29.
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Refrigerating apparatus. L. A. Philipp. 2,410,360; Oct. 29.
Refrigerating apparatus. J. A. Smith. 2,410,310; Oct. 29.
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Refrigeration. A. G. Gross. 2,410,342; Oct. 29.
Refrigeration. W. H. Kitto. 2,410,292; Oct. 29.
Regulator: *See*—
Window regulator.
Rejecting mechanism, Article. G. C. Abbott. 2,410,037; Oct. 29.
Relay, Delayed action. M. N. Yardeny. 2,410,325; Oct. 29.
Relay device, Electromagnetic. J. A. Favre. 2,410,279; Oct. 29.
Remote-control firing mechanism for machine guns. G. R. Oscar and W. S. Boals. 2,410,100; Oct. 29.
Resonator, Variable cavity. J. C. Schelleng. 2,410,109; Oct. 29.
Ring manufacture, Split. C. M. Cummins. 2,410,204; Oct. 29.
Rivet. L. E. Williams, Jr., and P. L. Smith. 2,410,398; Oct. 29.
Roller skate structure. S. W. Blumm. 2,410,009; Oct. 29.
Rotor and making. W. H. Baselt and C. E. Tack. 2,410,195; Oct. 29.
Safety device for fluid brake systems. V. L. Crawford. 2,410,202; Oct. 29.
Safety mechanism for dye kettles and the like. J. H. Higginson and H. C. Riggs. 2,410,214; Oct. 29.
Scale, Batch. F. V. Werner. 2,410,138; Oct. 29.
Scale, Weighing. L. S. Williams. 2,410,139; Oct. 29.
Scratching attachment for bottle washing machines, Label. M. Jamieson and L. Tremblay. 2,410,380; Oct. 29.
Screw-down control system. D. E. Garr. 2,410,283; Oct. 29.
Screw or threaded rod mounting. G. Murtagh. 2,410,299; Oct. 29.
Screw wheel apparatus, Rotary. A. Lysholm. 2,410,172; Oct. 29.
Scrubber, stratifier, and screen for minerals, Combined vibratory. W. L. Zeigler and C. Y. Garber. 2,410,326; Oct. 29.
Seal, Turbine. V. Cronstedt. 2,410,340; Oct. 29.
Searchlight, Dirigible. H. J. Sauer. 2,410,365; Oct. 29.
Secret communication system. S. D. Ellenberger. 2,410,276; Oct. 29.
Servo-motor device, Liquid pressure. L. C. Choulngs. 2,410,269; Oct. 29.
Servo system, Electrical. E. W. Kellogg. 2,410,289; Oct. 29.

Severing tool. A. B. Nesbitt and S. Webb. 2,410,355; Oct. 29.
Shield, Glare. L. R. Le Lande. 2,410,171; Oct. 29.
Shield or the like, Welding. R. A. Romberg. 2,410,306; Oct. 29.
Shock absorber. G. M. Magrum. 2,410,176; Oct. 29.
Shoe conditioner. G. H. De Long and B. Breisbach. 2,410,154; Oct. 29.
Shuttle, Loom. J. J. Kaufmann, Jr. 2,410,383; Oct. 29.
Signaling by submodulation. S. D. Ellenberger. 2,410,275; Oct. 29.
Signaling, Submarine. B. M. Harrison. 2,410,066–7; Oct. 29.
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Sizing, Paper. D. K. Pattiloch. 2,410,357; Oct. 29.
Slide fastened stringers, Making. G. Sundback. 2,410,135; Oct. 29.
Slipper. F. J. Shields. 2,410,186; Oct. 29.
Snap switch. P. G. Frerer. 2,410,055; Oct. 29.
Softening agent. E. Korten. 2,410,294; Oct. 29.
Sole and heel construction, Shoe. J. H. Davis. 2,410,019; Oct. 29.
Solvent by distillation and adsorption, Reclaiming soiled. E. L. Luaces. 2,410,034; Oct. 29.
Spindle, Oil circulating. C. M. Neal. 2,410,388; Oct. 29.
Spring and friction shock absorber, Combined. S. B. Haseltine. 2,410,160; Oct. 29.
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Stacking box. E. T. Insoll. 2,410,216; Oct. 29.
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Steering apparatus, Power. F. W. Davis. 2,410,049; Oct. 29.
Strainer, Milk. D. O. Brant. 2,410,010; Oct. 29.
Stretcher. M. R. Peters. 2,410,181; Oct. 29.
Stuffing box. R. B. Kinzbach. 2,410,291; Oct. 29.
Styrene and its homologues, Purification of. G. R. Bond, Jr. 2,410,042; Oct. 29.
Suction cleaner. W. H. Kitto. 2,410,293; Oct. 29.
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Suspension for railroad cars, Spring. A. F. Hickman. 2,410,068; Oct. 29.
Switch: *See*—
Snap switch.
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Tablets, Making. H. F. Taylor. 2,410,110; Oct. 29.
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Tachistoscopic apparatus. S. Renshaw. 2,410,237; Oct. 29.
Tape, Pressure-sensitive adhesive. W. E. Lundquist and W. Kellgren. 2,410,089; Oct. 29.
Telecommunication switching system. G. Deakin. 2,410,050; Oct. 29.
Telephone line pulsing device. A. G. Milasus. 2,410,178; Oct. 29.
Telephone system, Automatic. W. T. Powell. 2,410,304; Oct. 29.
Tester, Propeller governor. I. V. Falk. 2,410,155; Oct. 29.
Testing apparatus, Electrical. J. H. Miller. 2,410,386; Oct. 29.
Tetra ethyl lead, Purification of. A. E. Parmelee. 2,410,356; Oct. 29.
Tetrahydropyrrole alcohol esters of halogen substituted carboxylic acids. J. N. Borglin. 2,410,197; Oct. 29.
Textile webbing. J. A. Hendley. 2,410,028; Oct. 29.
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Thermoelectric generating device. E. Paille. 2,410,128; Oct. 29.
Thermohydrometer. A. Z. Hoyer. 2,410,031; Oct. 29.
Thermopile for fire alarm systems. F. G. Kelly. 2,410,218; Oct. 29.
Thiophene, Preparation of. D. D. Coffman. 2,410,401; Oct. 29.
Thread production. J. A. Bradner. 2,410,261; Oct. 29.
Tie plate and rail anchor assembly. E. J. Boland. 2,410,260; Oct. 29.
Timing device, Electronic. L. E. Flory. 2,410,156; Oct. 29.
Titanium compounds, Production of. R. L. McCleary. 2,410,119; Oct. 29.
Toilet implements. C. U. Maenpa. 2,410,352; Oct. 29.
Toilet roll dispenser. E. Agamaite, Jr. 2,410,328; Oct. 29.
Toluene, Separating. T. B. Kimball. 2,410,166; Oct. 29.
Tool: *See*—
Automatic pattern controlled machine tool.
Cable stripping tool.
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Transplanting apparatus, Tree. L. L. Culley. 2,410,203; Oct. 29.
Trialkyl phosphate esters, Producing. W. H. Woodstock and P. E. Pelletier, Jr. 2,410,118; Oct. 29.
Trousers construction. E. Martin. 2,410,226; Oct. 29.
Truck. H. C. Keysor. 2,410,032; Oct. 29.
Truck, Rail. R. J. Burrows and A. O. Williams. 2,410,011; Oct. 29.
Tube: *See*—
Vacuum tube.
Tube assembly machine for heat-exchange cores. F. M. Young. 2,410,140; Oct. 29.
Tuning means. H. C. Lawrence, Jr. 2,410,222; Oct. 29.
Union for masts, poles, and the like. W. C. Scrivener and A. G. Brewer. 2,410,245; Oct. 29.
Utensil, Scraper. H. B. Atha. 2,410,192; Oct. 29.
Vacuum tube. E. Labin. 2,410,349; Oct. 29.
Vacuum tube electrodes, Producing. L. C. Goodale. 2,410,060; Oct. 29.
Valve: *See*—
Line pressure valve.
Valve. V. Remus. 2,410,105; Oct. 29.
Variable tread vehicle. T. O. Davidson and L. B. Schauer. 2,410,271; Oct 29.
Vehicle: *See*—
Combination aerial and land vehicle.
Variable tread vehicle.
Vehicle body. A. P. Ball. 2,410,332; Oct. 29.
Vending machine. C. F. Pease. 2,410,231; Oct. 29.
Vitamin D, Production of. J. Waddell and W. W. Woessner. 2,410,254; Oct. 29.
Wave impulse generator. C. V. Litton. 2,410,087; Oct. 29.
Wax-free pyrethrin solutions. J. D. Park and W. W. Rhodes. 2,410,101; Oct. 29.
Wheel alignment gauge. J. L. Creagmile. 2,410,330; Oct. 29.
Wheel rim and pneumatic tire, Combined. H. M. Godsey. 2,410,209; Oct. 29.
Wheel structure. G. A. Lyon. 2,410,174; Oct. 29.
Window regulator. J. H. Roethel. 2,410,363; Oct. 29.
Wing for garment sleeves, Button. C. Solomon. 2,410,188; Oct. 29.
Wing, Variable camber. J. Fresco. 2,410,056; Oct. 29.
Worsted roving, Manufacture of. R. J. de Lathauwer. 2,410,020; Oct. 29.
Wrench. C. L. Rich. 2,410,392; Oct. 29.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 29, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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D42— 8: Des. 145,831
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D44—26: Des. 145,839
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D61— 1: Des. 145,855
D74— 9: Des. 145,832
D80— 8: Des. 145,856
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D85— 2: Des. 145,863
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U. S. GOVERNMENT PRINTING OFFICE: 1946

OFFICIAL GAZETTE UNITED STATES PATENT OFFICE SEPT & OCT-1946 VOLUMES 590 & 591

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